Attn: Mr. Wilson Lam Water Service Reservoirs to Caverns CHUN WO - SINOHYDR Chief Resident Engineer CHUN WO - SINOHYDR CHUN WO - SINOHYDR	o JV
CONTRACTOR'S SUBMISSION FORM	
Title of Submission : Landscape and Visual Mitigation Plan Submission Number : CWSJV/1076/CSF/0768-2024 Date: 29/04/2024	
Specification & Drawing	
Reference : NA	
Description of Contents Pursuant to Condition 2.14 of Environmental Permit (EP) No. EP-602/2021, we herewith submit the Landscape and V	
Mitigation Plan Rev 3.1 for your review.	
Purpose of Submission: ☑ For Review □ For Consent □ For Information ☑ For Record	
From : CHUN WO - SINOHYDRO JV Distribution:	
Signature :	
Name : PAUL YU CHI KUEN	
Title : Project Director	
Encl PY/JL/RK/denzel chan	



UMWELT CONSULTING LIMITED

23/F, On Hong Commercial Building, 145 Hennessy Road, Wan Chai, Hong Kong

By Post

Our Ref : P221002-LVMP-R3.1-V Date : 19th April 2024

Binnies Hong Kong Limited 43/F, AIA Kowloon Tower,

100 How Ming Street,

Kwun Tong, Kowloon, Hong Kong

Attn: Wilson CK Lam

Agreement No. DHSR/IEC/001

Consultancy Service of Independent Environmental Checker (IEC) for Relocation of Diamond Hill Fresh Water and Salt <u>Water Service Reservoirs to Caverns under Contract No. 21/WSD/21</u>

Landscape and Visual Mitigation Plan

Dear Sir,

Pursuant to Condition 2.14 of Environmental Permit (EP) No. EP-602/2021, please note the Landscape and Mitigation Plan Revision 3.1, dated 17 April 2024 submitted under the EP, certified by the Environmental Team Leader on 19 April 2024, had been reviewed and is hereby verified.

Should you have any query, please feel free to contact the undersigned at 3756 9590 or ivanting@umwelt.consulting .

W AND

Your faithfully, For and on behalf of: Umwelt Consulting Limited

Tipe Po Chung Ivan Independent Environmental Checker





Date: 19 April 2024 Your ref: Our ref: PL-202404043

Binnies Hong Kong Limited 43/A, AIA Kowloon Tower 100 How Ming Street Kwun Tong, Kowloon Hong Kong

Attn.: Mr. Wilson C. K. Lam

Dear Mr. Lam,

Contract No. 21/WSD/21 Relocation of Demand Hill Fresh Water and Salt Water Service Reservoirs to Caverns <u>Certification of Landscape and Visual Mitigation Plan (Revision 3.1)</u>

Reference is made to the Landscape and Visual Mitigation Plan (LVMP) (Revision 3.1) submitted by the Contractor on 17 April 2024. We are pleased to inform you that we have no adverse comment on the LVMP.

I hereby certify the LVMP for submission under condition 2.14 of Environmental Permit No. EP-602/2021.

Thank you.

Yours faithfully, For and on behalf of Acuity Sustainability Consulting Limited

Toang Fauldearg

F. C. Tsang Environmental Team Leader

Encl.

cc. Umwelt Consulting Limited Binnies Hong Kong Limited Chun Wo – Sinohydro JV Mr. Ivan Ting (IEC)via emailMr. Howie Ho (RE)via emailMr. Elliott Ting (Site agent)via email



LANDSCAPE AND VISUAL MITIGATION PLAN (LVMP)

CONTRACT NO. 21/WSD/21

RELOCATION OF DIAMOND HILL FRESH WATER AND

SALT WATER RESERVOIRS TO CAVERNS

Approved by:

Revision : 3.1

Date : 17 April 2024

Paul Yu Authorized Representative

Landscape and Visual Mitigation Plan (LVMP)

Revision: 3.1 Date: 17 April 2024

Prepared by:

Position	Signature	Name	Date
Environmental Officer	Denzel	Denzel Chan	17 April 2024
Endorsed by:			
Position	Signature	Name	Date
Authorized Representative	1 - 1	Paul Yu	17 April 2024
L			

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LIST OF APPENDICES

Appendix A	Method Statements for Tree Felling and Transplanting Works
Appendix B	Compensatory Planting Plans and Transplant Tree Planting Plan
Appendix C	Preliminary Design Drawings
Appendix D	Landscape and Visual Mitigation Plan
Appendix E	Conceptual Hoarding Plan
Appendix F	Tree Treatment Plans and Tree Assessment Schedule
Appendix G	Typical Cross Section of Retaining Tree
Appendix H	Method Statement for Tree Preservation and Protection

1 Introduction

1.1 PROJECT DESCRIPTION

Relocation of Diamond Hill Fresh Water and Salt Water Service Reservoirs to Caverns Environmental Impact Assessment Report (Register No.: AEIAR-232/2021) was approved without conditions by Environmental Protection Department (EPD) on 16 November 2021. An Environmental Permit (EP-602/2021) was issued on 14 December 2021.

Chun Wo – Sinohydro JV (CWSJV) was commissioned by Water Supplies Department as the appointed main contractor for Contract No. 21/WSD/21 Relocation of Diamond Hill Fresh Water and Salt Water Service Reservoirs to Caverns.

The Works to be executed under this Contract included, but not exclusively, the following items:

- (i) Construction of the relocated Diamond Hill Fresh Water and Salt Water Service Reservoirs (DHSRs) and associated pumping stations and water main laying works;
- (ii) Construction of tunnels, adits, ventilation system and caverns for accommodating the relocated DHSRs and the associated facilities; and
- (iii) Construction of a 2-storey Portal Ancillary Building
- (iv) Other associated works that are incidental to and necessary for the completion of the Project.

1.2 OBJECTIVE

This is the Landscape and Visual Mitigation Plan submission made in fulfillment of Clause 2.14 of Environmental Permit (EP) No.EP-602/2021.

As stated in Condition 2.14 in the EP No. EP-602/2021, the Permit Holder shall, no later than 1 month before the commencement of the construction of the Project or otherwise approved by the Director, deposit with the Director 4 hard copies and 1 electronic copy of Landscape and Visual Mitigation Plan (LVMP).

Condition 2.14 in the EP No. EP-602/2021 stated that The LVMP shall show the design details, including a compensatory planting proposal for the loss of trees within the Project site, and implementation schedule, maintenance and management schedules, and drawings in the scale of 1:1000 or other appropriate scale of the landscape and visual mitigation measures of the Project. The implementation schedule shall be in table form to clearly list out the mitigation measures to be implemented, and the implementation party, location, timing, and environmental performance required for implementation of the mitigation measures.

1.3 SCOPE OF THE SUBMISSION

This submission aims to demonstrate the landscape and visual mitigation measure adopted during the construction period of Relocation of Diamond Hill Fresh Water and Salt Water Service Reservoirs to Caverns. These Landscape and Visual Mitigation Measures for Construction Phase (CM) are developed in accordance with the approved EIA report and EM&A Manual. They include the following:

- •Tree Preservation
- •Tree Transplanting/ Compensatory Tree Planting
- •Inspection of Tree Works
- •Minimisation of Light Impact
- •Erection of Decorative Site Hoarding
- •Reinstatement of Temporarily Disturbed Areas

In accordance with DEVB TC(W) No.4/2020, Tree Survey Report will be prepared by qualified professional to determine the trees conditions and record the findings of topographical and horticultural characteristics of each individual tree (including Tree Survey Plan, Tree Survey Schedule and Tree Photographs) before the tree is to be felled for this project. A qualified professional will carry out bi-monthly tree inspection to all the preserved trees and prepare the tree monitoring report for submission. Quarterly reports with photographs showing the conditions of the transplanted trees/plants will be submitted to LCSD during the nursing and the subsequent establishment period.

Chun Wo – Sinohydro JV will minimise the number of trees to be felled and provide adequate tree protection and preservation measures to the retained trees through the construction period of this Contract as specified in Method Statements for tree felling and transplanting works at attached in *Appendix A*.

The compensatory tree planting will be conducted as specified in Compensatory Planting Plans as attached in <u>Appendix B</u>. The required numbers of compensatory trees will not be less than the numbers of trees to be felled in this Contract.

2 LANDSCAPE AND VISUAL MITIGATION MEASURES IN EIA & EM&A

2.1 LANDSCAPE DESIGN CONSIDERATIONS

2.1.1 The development will meet the following concerns in terms of the landscape design:

i) Exploration of massing and planning study to reduce the building's visual impact and respect the existing topographic character of the hill as described.

ii) Consider architectural detailing and façade strategy that can accommodate the functional

requirement of the portal building but at the same time allow for creation of atmosphere through consistent selection of materials and detailing that are conducive to the overall architectural quality of "integrating architecture into the hill".

iii) Use of soft landscaping and vertical greening to promote public friendly environment, reduce visual impact from surrounding residential neighbourhood.

iv) Landscape design responding to the adjacent park including the park entrance and the entrance to the popular hiking trail.

2.2 LANDSCAPE AND VISUAL MITIGATION MEASURES

In the Table 9.13 of the approved EIA report and Table A4.6 Implementation Schedule of Landscape and Visual Mitigation Measures of the EM&A Manual, various measures are proposed as landscape and visual mitigation measures during the construction and operation stage. These mitigation measures are considered and will be adopted as far as practicable. The portion of the project site where these mitigation measures have been applied are shown in <u>Appendix D</u>.

EM&A	Landscape and Visual	Implementation Details	Implemented by	Implemented		
Log	Mitigation Measures	under this Plan		Period		
Ref.						
Landscape and Visual (Construction Phase)						
CM1	Careful Site Planning and	The Contractor will provide	Chun Wo – Sinohydro	Apr 2023 -Oct 2027		
	<u>Management</u>	unobtrusive sheeting to cover the	JV (CWSJV)			
	• The site layout and works	large temporary stockpiles of				
	area including temporary	excavated material, preventing dust				
	access road(s), stockpiling	and dirt spreading to adjacent				
	area(s), temporary construction	landscape areas and vegetation, and				
	storage shall be carefully	creating a neat and tidy visual				
	planned to preserve existing	appearance.				
	landscape resources and trees					
	as far as practicable.	The Contractor will orderly and				
	Good site practices shall be	carefully store the construction plant				
	enforced to eliminate eyesores	and building material in order to				
	from unappealing stockpiling/	create a neat and tidy visual				
	storage areas and/or	appearance.				
	construction activities.					
CM2	Careful Design of Slope Works	The Contractor will minimise tree	Chun Wo – Sinohydro	Apr 2023 -Oct 2027		
	Slope stabilization methods	removal and to create a slope	JV (CWSJV)			
	(i.e., insertion of soil nails and	surface better blending with the				
	establishment of grillage, etc.)	surrounding environment.				

Table A4.6 Landscape and Visual Mitigation Measures

	shall be carefully formulated to			
	minimise the loss of tree and			
	landscape cover as far as			
	practicable.			
CM3	Tree Preservation	For CM3- Tree Preservation,	Chun Wo – Sinohydro	Apr 2023 -Oct 2027
	• In accordance with DEVB TC	treatment of existing trees is	JV (CWSJV)	
	(W) No.4/2020 – Tree	summarized below, and the tree		
	Preservation or its latest	treatment plan is presented in		
	version, existing vegetation	<u>Appendix F.</u>		
	shall be retained on site as far			
	as practicable.			
	Adequate tree protection			
	measures shall be provided for			
	the trees to be retained on site.			
	Relevant guidelines on tree			
	care and protection			
	promulgated by Greening,			
	Landscape and Tree			
	Management Section of			
	Development Bureau shall be			
	observed and followed.			
CM4	Tree Transplanting/	Details of the proposed planting	Chun Wo – Sinohydro	Apr 2023 -Oct 2027
	Compensatory Tree	location for compensatory	JV (CWSJV)	
	<u>Planting</u>	planting is provided in Appendix		
	• Trees unavoidably affected by	<u>B</u> . Two areas are available for		
	the project shall be transplanted	accommodating all the 263		
	as far as practicable in	compensatory trees.		
	accordance with DEVB TC			
	(W) No.4/2020 – Tree			
	Preservation or its latest			
	version and the latest			
	guidelines promulgated by			
	Greening, Landscape and Tree			
	Management Section of			
	Development Bureau.			
	• Affected trees that are not			
	suitable for transplantation and			
	to be felled shall be			
	1	1	1	1

compensated in not less thancompensated in not less thancompensated in not less than1:1 in quantity and inconducted with DEVB TC(W) No.4/2020 - Treeconducted with DEVB TC(W) No.4/2020 - Treeconducted in sector is latestversion.conducted in sector is latestversion.conducted in sector is latestversion.conducted in sector is latestversion.consile compensation hus beenpioritised. However, due toland status issues, area ofcompensate for the loss of treesand near site compensatorylocations managed by WSD areadopted, as shown in Figure9.018 and Figure 9.110 ftheFIA report.visiting vegetation.CM5Inspection of Tree Worksvisiting vegetation.compatible with surroundingvisiting vegetation.CM6Inspection of Tree Worksvisiting vegetation.trees on site corry month.inght.adapted as the proven or site corry month.inght. <th></th> <th></th> <th></th> <th></th> <th>[]</th>					[]
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Kuch as the lights at the necessary entrances and exits will use lowerImage: Netran Schwarz power or try to illuminate the ground, which will minimise the visual impacts.Image: Netran Schwarz power or try to illuminate the to isual impacts.Image: Netran Schwarz power or try to illuminate the power or try to illuminate the to isual impacts.Image: Netran Schwarz power or try to illuminate the power or try to illuminate the to isual impacts.Image: Netran Schwarz power or try to illuminate the power or try to illuminate the <th></th> <th></th> <th>and into the sky. The project will</th> <th></th> <th></th>			and into the sky. The project will		
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Power or try to illuminate the ground, which will minimise the visual impacts.Power or try to illuminate the ground, which will minimise the 			such as the lights at the necessary		
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CM7 Erection of Decorative Site Decorative screen hoarding be Chun Wo – Sinohydro JV Apr 2023 - Oct 2027			power or try to illuminate the		
CM7 Erection of Decorative Site Decorative screen hoarding be Chun Wo – Sinohydro JV Apr 2023 - Oct 2027			ground, which will minimise the		
			visual impacts.		
Hoarding erected to screen the public from (CWSJV)	CM7	Erection of Decorative Site	Decorative screen hoarding be	Chun Wo – Sinohydro JV	Apr 2023 -Oct 2027
		<u>Hoarding</u>	erected to screen the public from	(CWSJV)	

	I	Ι	1	
	• Decorative hoarding that is	the construction area. We also		
	compatible with the	recommend hoarding graphic		
	surrounding environment shall	enhancement design for this		
	be erected during construction.	project, completion expected in		
		the fourth quarter of 2023. It will		
		be designed to be compatible with		
		the existing urban context. The		
		Conceptual hoarding plan		
		attached in <u>Appendix E.</u>		
CM8	Reinstatement of Temporarily	To reinstate the disturbed	Chun Wo – Sinohydro	Apr 2023 -Oct 2027
	Disturbed Areas	landscape areas shortly after the	JV (CWSJV)	
	 Temporarily disturbed 	completion of works on site. See		
	landscape areas shall be	attached in <u>Appendix D.</u>		
	reinstated.			
Landsca	pe and Visual (Operation Phase	2)		
OM1	Landscape Planting	The Landscape Planting design	WSD	Operation stage
	Landscape planting shall be	drawing is attached in Appendix	(Via Contractor)	
	provided in accordance with	<u>C</u> .		
	DEVB TCW No.3/2012 – Site			
	Coverage of Greenery for			
	Government Building Projects			
	or its latest version.			
	Planting species shall be			
	compatible with the nearby			
	existing vegetation cover as far			
	as practicable.			
	• Not less than 12-month			
	rot less than 12 month			
	establishment after completion			
	establishment after completion			
OM2	establishment after completion shall be provided for the	The green roof garden will be	WSD	Operation stage
OM2	establishment after completion shall be provided for the landscape planting.	The green roof garden will be provided to enhance the landscape	WSD (Via Contractor)	Operation stage
OM2	establishment after completion shall be provided for the landscape planting. <u>Rooftop Greening</u>			Operation stage
OM2	establishment after completion shall be provided for the landscape planting. <u>Rooftop Greening</u> Rooftop greening shall be	provided to enhance the landscape		Operation stage
OM2	establishment after completion shall be provided for the landscape planting. <u>Rooftop Greening</u> Rooftop greening shall be implemented with reference to	provided to enhance the landscape quality of the structures and		Operation stage
OM2	establishment after completion shall be provided for the landscape planting. <u>Rooftop Greening</u> Rooftop greening shall be implemented with reference to the references on skyrise	provided to enhance the landscape quality of the structures and mitigate any potential visual		Operation stage
OM2	establishment after completion shall be provided for the landscape planting. <u>Rooftop Greening</u> Rooftop greening shall be implemented with reference to the references on skyrise greenery provided by the	provided to enhance the landscape quality of the structures and mitigate any potential visual impact on adjacent VSRs. The		Operation stage

OM3	<u>Vertical Greening</u> Vertical greening shall be provided.	The green wall and climbers will be provided to soften the proposed structure. The Vertical design drawings is attached in <u>Appendix C</u> .	WSD (Via Contractor)	Operation stage
OM4	Careful Design of AncillaryFacilities• The orientation and locationof the ancillary facilities shallbe carefully designed. Its finishshall be non-reflective and dullin colour.• The ancillary facilities areunmanned structures thatmerely require minimalsecurity services duringdaytime. There shall be nobodyand no lighting illuminatingfrom the buildings at night,except essential street lightingfor the portal access road.	Our design drawing already considers the relevant circumstances. The detail design drawings are attached in <u>Appendix C</u> .	WSD (Via Contractor)	Operation stage

2.3 TREE TREATMENT AND COMPENSATION

Below is the Summary of Tree Treatment for Landscape and Visual Mitigation Plan under this Contract,

- No. of trees to be transplanted: 4.
- No. of trees to be retained: 12.
- No. of trees to be fell: 263

2.4 METHOD STATEMENT FOR TREE PRESERVATION AND PROTECTION

For CM3- Tree Preservation, treatment of existing trees is summarized below, and the tree treatment plan is presented in <u>Appendix F</u>.

RETAIN: A total of 12 trees are proposed to be retained in-situ. The trees located along the proposed ancillary building would not be affected and are proposed to be retained. The feasibility of the tree retaining is demonstrated in the section drawings (*Appendix G*).

To enhance the health and the appearance of the retained trees, Tree Protection Zone (TPZ) with advance tree protection works prior to any construction activity are proposed for tree ID Nos.A219, A249, A250, E13, E14, E15, E16, E24, E25, E26, E27 and E68. The method statement for tree preservation and protection within the TPZ is provided in <u>Appendix H</u>. As some parts of the tree crown of tree ID Nos. E24, E25 and E68 fall within the proposed works area of tunnel and site formation area of ancillary building, the corresponding tree crown and branches are proposed to be pruned.

2.5 MAINTENANCE AND MANAGEMENT SCHEDULES

The schedule of maintenance and management for landscape works is shown in Table 2.1

		Month										
	1	2	3	4	5	6	7	8	9	10	11	12
Watering *	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Fertilizing			Y									
Fungicide / Insecticide			Y									
Weeding	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Securing			Y									
Repairing						As	requir	ed				
Litter Removal	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Pruning Trees	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Mowing	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y	Y
Tree Risk Assessment			Y									

Table 2.1 The schedule of maintenance and management for landscape works

*Exact frequency of watering shall be adjusted from time to time as required to suit site conditions

3 SUMMARY

This is the Landscape and Visual Mitigation Plan (LVMP) submission made in fulfillment of Clause 2.14 of Environmental Permit (EP) (No. EP-602/2021). Proposed landscape and visual mitigation measures during the construction phase are in accordance with the Table 9.13 of the approved EIA report and the Table A4.6 Implementation Schedule of Landscape and Visual Measures of the EM&A Manual.

All relevant design measures listed in the Table 9.13 of the approved EIA report and the Table A4.6 Implementation Schedule of Landscape and Visual Measures of the EM&A Manual have been considered in the construction stage. These measures have been incorporated in the landscape and visual mitigation plan as far as practicable.

Appendix A – Method Statements for Tree Felling and Transplanting Works

Contract No: **21/WSD/21**



Project Title:

Relocation of Diamond Hill Fresh Water and Salt Water Service Reservoirs to Caverns

Method Statement – Tree Felling Work

Document No:CWSJV/1067/MSSF/00010Revision:0

Date: 10 February 2023



Method Statement – Tree Felling Work

Revision History

Revision No.	Description	Revised By	Date
0	First Issue	Kevin TAM	10 February 2023



Method Statement -

Tree Felling Work

Document No: CWSJV/1067/MSSF/00010

Revision: 0 Date: 10 February 2023

Prepared and checked:

Position	Signature	Name	Date
Engineer	Keh	Kevin Tam	10 February 2023
Assistant Project Manager	Limit	Felix Ho	10 February 2023
Environmental Officer		Gemini Lam	10 February 2023
Safety Officer	fl.	Eddie Chung	10 February 2023

Approved by:

Site Agent Kenny Poon 10 February 2023



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1 General

1.1 Objective

This method statement describes the sequence and method of tree felling under this contract.

1.2 Scope of works

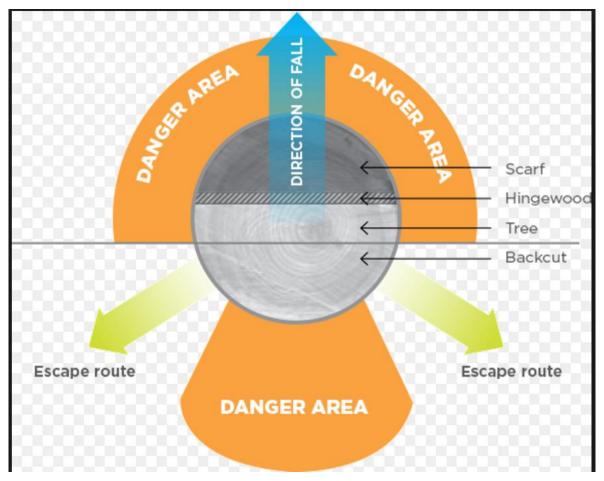
To conduct tree removal works under this contract as enclosed in Appendix A.

2 Methodology

2.1 Preparatory Work

- 1. Check with the tree tags and the size of tree trunk on site corresponding to the initial tree inspection report as well as the layout plan.
- 2. Review the condition of the site and tree and conduct work only if the venue is safe to conduct the work and the tree work operation can be conducted safety. Stop any work if condition is not safe.
- 3. Access slope with safe access such as fixed ladder provided when working on slope.
- 4. All safety equipment (Safety Helmet, Safety Glasses, Safety Shoes, Chaps, Glove, Ear Plug, Climbing Gear, Rigging Tools etc.) will be checked before use.
- 5. All equipment (Hand saw, Pole Saw, Chainsaw, Winch etc.) and machinery if necessary (Lifting Platform and Crane Lorry) certificates will be checked before use.
- 6. Set up traffic cone, warning sign & guarding for the working area to prevent public walking closely and against the hazards of the falling objects within 2 meters around the tree.
- 7. All works should be supervised by Tree Work Supervisor.
- 8. Take photo of tree prior to commencement of tree felling work.
- 9. Check if there is any overhead powerline or any infrastructure such as drainage pipes within the fall zone of the tree.
- 10. Conduct job briefing to brief the works to be carried out and to remind workers regarding the safety matter aroused from the work. Escape route should be prepared and briefed to each tree worker.





- Cordon off the area with warning tape to prevent non tree workers entering the area.
- 12. Designate fall zone and warn workers the area should be entered when tree branches/trunk is prepared and falling into the zone. The area within the fall zone should be cleared and all workers from other trade should be cleared prior to work.

2.2 Branch and Trunk Removal

- 1. The cutting shall be started from the lowest branches and then to the highest branches in general.
- 2. Stumps and rootballs of the trees to be felled should also be completely removed by excavator subject to site condition.
- 3. Rigging gear, ropes, metal chain and winch should be used during the tree removal process.
- 4. Use pole saw to remove branches in first priority.
- 5. A safe zone 2m larger in diameter than flat land should be set up as the working environment has more constraints. No people should enter the safe zone when



chainsaw is in operation.

- 6. A certified Tree climber is necessary if the concerned tree cannot be approached by any vehicle. The climber should follow safety requirements stated in the ANSI Z133.1 and the PS of the Contract.
- 7. The tree climber will access to the tree by rope and cut branches piece by piece
- 8. The branches will be lifted with a winch to a designed drop zone on the top of the slope.
- 9. Heavy branches should be rigged by rigging ropes with certificate specified the work load limit.
- 10. The tree felling process should avoid any damage to adjacent plants to be retained, including damage to their root systems. The ground around the adjacent plants to be retained should also be reinstated.

2.3 Removal of Tree

- 1. The cut branches will be further segmented into pieces by ground man using chainsaw.
- 2. The segmented pieces will then be lifted to the top of the slope using a winch.
- 3. The cut materials will be removed or recycled off-site to temporary shredding facilities (Lot T7) or disposed to designated landfill (NENT).

3 Plant and Equipment

Safety fence	Hand saw
Chainsaw	Pole Saw
Winch	Grab lorry
Excavator	

4 Environment Concern

4.1 Noise Control

 The normal daily working hours are 7:00 a.m. to 7:00 p.m. from Monday to Saturday. If necessary, extension of working hours after 7:00 p.m. for weekdays and on Sundays and public holidays will be implemented. All



requirements in Construction Noise Permit (CNP) if granted will be strictly followed.

- 2. Selection of quiet plant and working methods
- 3. Reducing the number of plants operating concurrently
- 4. Providing movable noise barriers/enclosures if necessary
- 5. Shutting down the plants when not in operating

4.2 Air Control

- 1. Using of B5 diesel for all plants and equipment.
- 2. Maintenance of plants periodically to ensure no black smoke emit.
- 3. Using Non-road Mobile Machinery (NRMM) with NRMM label on site.

4.3 Waste Control

1. The general refuse shall always be disposed to the designated refuse collection point and segregation of waste shall be maintained at all times.

4.4 Water Control

- All muddy water produced by the works will be treated and delivered into the designed water treatment facilities (i.e. sedimentation tank) before being discharged into the public drainage system
- 2. Measures will be taken to minimise the muddy water generated from the temporary cut slope surface during rainfall time
- 3. Excavated area will be shielded with impermeable sheeting during rainfall time and after working hours.

5 SAFETY

5.1 Risk Assessment

Rules of manual handling should refer to the **Appendix B – Risk Assessment**. Ensure the load to be handled would not exceed the personal ability.



Otherwise, more manpower resources should be deployed. Adopt a right posture for carrying out manual handling.

5.2 General Site Safety

All workers must go through a briefing by the Supervisor/ Engineer before commencement of any works. All workers on site shall obtain an approved safety training certificate/ record. Pre-use inspection and maintenance checks shall be carried out on all mechanical equipment before commencement of works.

5.3 Working under Inclement Weather Conditions (Red/Black Storm Warning Signal, Thunderstorm Warning, etc.)

Avoid pruning works in rainy days and avoid outdoor activities when thunderstorm signal is hoisted.

5.4 Working under Hot Weather Conditions

Worker should not work alone under extremely hot weather condition. In case the site personnel is suffering from heat stroke, the other co-worker can help in notifying the safety management staff and arrange proper emergency measures for the sufferer.

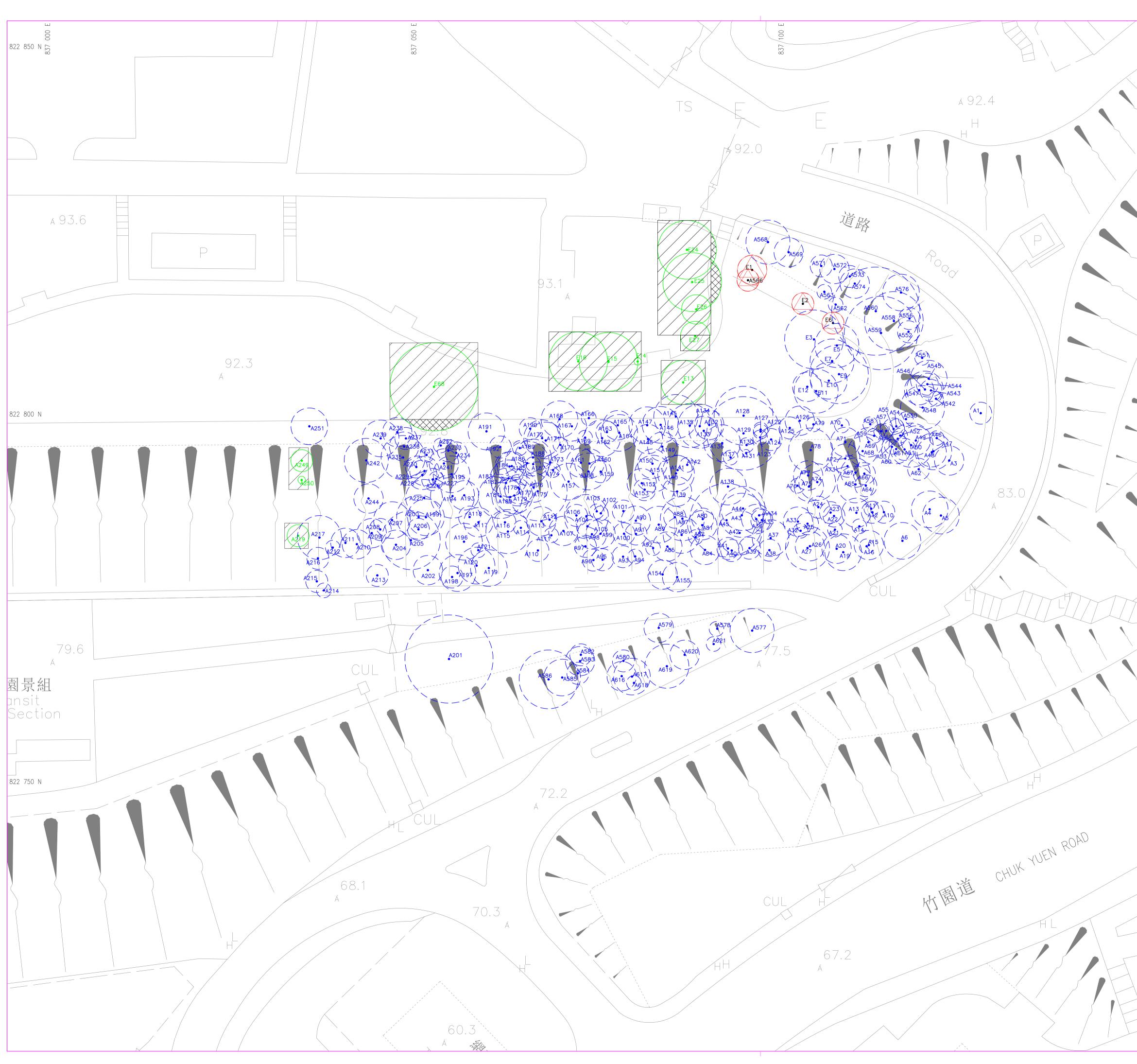
5.5 Personal Protective Equipment and Safety

Safety helmets, safety boots, vest and gloves need to be wore all the time. Safety harness need to be wore while working at height. Safety googles and hearing protectors need to be wore while using the machine which will produce noise or ducts. Warning signs and barriers will be erected where necessary.



Appendix A –

Relevant Drawings



7 150 E					
837	LEG	END:	PROPOSED TREE	E PROTECTION	
		•	ZONE TREE TO BE RE	TAINED	
		•)	TREE TO BE RE	MOVED AND (COMPENSATED
		AXXXX	TREES TO BE F	PRUNED	
			TREES TO BE T	RANSPLANTED	
	Revision	Date Designed	Descriptio Checked	n Drawn	Initial Checked
	Initial Date				
	Approved	l			
	Contract	No.	21/WSD	/ 2 1	
	Project 1				
64.3 A		FRESH	ATION OF DIA WATER AND RESERVOIRS	SALT WAT	ER
	3		RESERVUIRS	TO CAVE	КИЗ
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A L		трг			1
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	brawnig		76/TR/00´		A
	Scale		A1 1 : 25 A3 1 : 50	50)0	
			一 水	務署	
			7 Water Dep	- Suppl artmer	ies nt
				1	
	CH	iun W	/o - Sinc	HYDRO	JV



Appendix B –

Risk Assessment

Classification of risk

Likelihood rating:

Pro	Level	Likelihood rating	Prob. Value	Description	Individual Failure Mode
oba	А	5	10 ⁻¹	Frequent	Likely to occur frequently
Probability	В	4	10-2	Probable	Will occur several times in the life
	С	3	10 ⁻³	Occasional	Likely to occur sometimes in some year
Levels	D	2	10-4	Remote	Unlikely but possible to occur in life
els	E	E 1 10		Improbable	So unlikely that occurrence may not be experienced

Consequence:

	Category	Conseq uence	Degree	Description
Severity	A	5	Catastrophic	Failure causes complete system lost control and/ or potential for fatalities
22	В	4	Major	Major damage to system and/or amputation injury to personnel
Categories	С	3	Moderate	Hospitalization for less than 15 days or damage in HK\$100K
ories	D	2	Minor	Failure will probably occur without major damage to system or injury
	E	1	Insignificant	Functional failure of machine or process – no potential injury or damage to properties.

Risk Matrix:

Likelihood rate

L	M	М	H	
L	M	М	M	
L	L	M	M	
L	L	L	L	1
1	2	3	4	
1	2 Co	3 nsequence	4	

Risk Factor Number (Degree of Risk) = Likelihood X Consequence

The higher the Risk Factor Number, the higher the risk and more safety precautions should be taken.

Degree of Risk and Action Priority:

High (H) – Degree of Risk within the range 15-25

- 1. Review the work procedure immediately;
- 2. Formulate safety measures to reduce the risk to "Low" level;
- 3. Supervision by competent person.

Medium (M) - Degree of Risk within the range 5-14

- 1. Review the work procedure within reasonable time.
- 2. Formulate safety measures to reduce the risk to "Low" level.

Low (L) - Degree of Risk within the range 1-4

1. Follow in-house safety rules and statutory requirements.

*If the control measures are unable to reduce the risk to "Low" level:

- 1. The method statement shall be reviewed by the engineer;
- 2. Re-assess the risk according to the revised method statement and procedures.

	Activities /			Risk Level		Personal Training Action Protective Priority	Residu al
Item	Works	Hazard	Likeli hood	Conseq uence	Risk Factor	Control Measures Follow up by Equipment (H/M/L)	Risk
1.,	Preparation Work	Workers expose to the general site hazards	2	1	2	1. Safety helmets, safety boots and reflective vest should be mandatory and be wore at all times on site and as condition of entry. F Safety Induction Training L 2. Provision of good housekeeping Boots Safety Boots L 3. Site safety supervision should be monitored to the compliance of site. Reflective Vest Vest Vest	1x1 L
2.	Remove existing debris around the tree be fallen	Struck by falling object	2	3	6	1. Provide safety training F Safety Induction L 2. Mechanical mean for lifting and transportation ENG Helmet Training L 3. Fenced off the area that tree might be fallen Fenced off the area the area that tree might be fallen <td>2x1 L</td>	2x1 L
3.	Workers access to tree	Fall of person	2	3	6	1. Provide a safe mean of access F Safety Working at L 2. Fix ladders securely prior to use on each location of work ENG Harness Height L 3. Provide elevation work platform ASO ASO Image: Constraint of the security	2x1 L

	Activities /			Risk Leve	el			Personal Protective	Training	Action Priority	Residu al
Item	Works	Hazard	Likeli hood	Conseq uence	Risk Factor	Control Measures	Follow up by	Equipment		(H/M/L)	Risk
o N	Lifting operation by Mobile Crane Lifting	Fall of heavy loading, jib collapse, (Machinery failure)	5	4	20	Competent engineer to conduct details examination and issue Form 3, 5. Before obtaining the valid certificate, any operation is strictly prohibited. Check the crane everyday by crane operator before operation. Check the crane weekly by appointed operator complete and sign the statutory Form 1 Detail inspection conducted by mechanic monthly. All maintenance record and certificates to be filed and kept in site safety department. Safety officer shall check all certificate of the crane before operation.	F ENG ASO SO	Safety helmet Safety Shoes Hi-Vis Vest	Induction Training	Н	2x1 L
		Fall of heavy loading (Human error)	4	3	12	Crane operator should be trained by CITA or equivalent and obtained valid operator license. Competent signaler should be appointed. Crane operator, signaler & rigger should attend on-site safety operation training. Never let suspended heavy load unattended. Never over load the mobile crane. Display the safe working load of the crane Fence off the lifting operation zone, adopted permit to enter system, only trained workers is allowed to enter the zone.	F ENG ASO SO	Safety helmet Safety Shoes Hi-Vis Vest	Lifting Operation	Н	2x1 L
		Lifting gear failure	5	4	20	Riggers shall attached the lifting gear onto lifting point while lifting the limbs Riggers shall checked lifting gears before operation All lifting gear, shackle, lifting wires, webbing slings etc. shall be examined by RPE and obtained valid Form 6, 7. Safety officer to check all certificate of the lifting gear before use and maintain record in the safety department. Color code system of lifting gear shall be applied for easier monitoring.	F ENG ASO SO		Lifting operation	М	2x1 L

	Activities /			Risk Leve	1				Personal Protective	Training	Action Priority (H/M/L)	Residu al
Item	Works	Hazard	Likeli hood	Conseq uence	Risk Factor		Control Measures	Follow up by	Equipment			Risk
		Turnover of mobile crane	2	3	6	•	The outrigger must be fully extended. The mat or the timber blocks of at 3 times diameter of the outrigger and in sound condition shall be provided. Never overload the crane, overload cut off device is recommended to install. The movement of mobile crane must be guided by lifting supervisor or the signaler. Area foreman should arrange a safe access. Signaler should guide the mobile crane. If the ground surface is soft and uneven, use roller to compact the soil surface.	F ENG ASO SO		Lifting operation	M	2x1 L
		Suspended loading strike on object or nearby person.	2	3	6	• • • •	The spot of lifting operation should be fully fenced. Warning sign should be displayed. Appointed signaler should guide the operator in the whole lifting process. No trespasser is allowed. Sub-contractor supervisor should be station on spot to supervise the whole operation. All workers should wear safety hamlet and hi-vis vest. If any other heavy machinery is operating in the same time same place, signaler should also coordinate the machinery movement.	F ENG ASO SO	Hi-vis vest	Lifting operation	M	2x1 L
5.	Use of cherry picker	Fall of person	2	4	8	2. U 1 3. H 4. M	Provide safety training of cherry picker Use of safety harness and independent life line Ensure cherry picker with valid certificate Not over the safety working load of cherry picker	F ENG SO	Safety Harness	Safe use of cherry picker	M	lx1 L

	Activities / Works	Hazard	Risk Level						Personal Protective	Training	Action Priority	Residu al
Item			Likeli hood	Conseq uence	Risk Factor		Control Measures	Follow up by	Equipment		(H/M/L)	Risk
6.	Use of electric hand tools and chainsaws to cut the wing and branches	Electric shock	2	4	8	1. 2. 3.	The generator and power hand tools to be inspected by qualified electrician, recorded and labeled before use Workers to visual inspect electric hand tools are in good condition on daily basis before use Ensure electric hand tools are IP67 standard and 110V	F SO	Safety helmet Safety boots Reflective Vest	Electrical Safety	Μ	1x2 L
		Noise hazard	2	3	6	1. 2. 3.	Noise Assessment Hearing protection zone marked People working in the hearing protection zone must wear ear protection equipment	F ASO	Hearing protector	Noise Protection	L	1x2 L
		Falling Object	2	2	4	1.	To setup rigid barrier along working area and display warning	F ASO	Safety Helmet	Falling Object	L	1x1 L
		Body injury	2	2	4	1.	Warning protective clothing and safety gloves	F ASO	Safety Gloves Protective Clothes	Proper use of PPE	L	lx1 L
		Manual handing	2	3	6	1. 2.	Provide safety training To use mechanical mean for lifting and transportation	F ASO	Safety Gloves	Manual Handling	L	1x1 L

	Activities /			Risk Leve	el			Personal Protective	Training	Action Priority (H/M/L)	Residu al Risk
Item	Works	Hazard	Likeli hood	Conseq uence	Risk Factor	Control Measures	Follow up by	Equipment			
7.	General works activities	Heatstroke	2	2	4	 Allow workers to take regular breaks or rotate to other area within the shift to reduce exposure to the hot environment. Make arrangements for workers to rest in a cool or shady place during very hot periods. Provide cool portable water for workers during work and encourage them to take plenty of water to replenish the fluid lost through sweating. Encourage them to wear light-colored clothing to minimize heat absorption and enhance heat dissipation. Request supervisor to pay attention to any report of workers suffering from Symptoms of heat stroke. When temperature is higher than 40 °C, no work shall be allowed. Provide constant ventilation to reduce temperature inside. 	ENG SO ASO	N/A	Heatstrok e Preventio n	L	1X2 L
		Lightning Warnings / Typhoon and Heavy Rainstorm Signal	4	3	12	 Assign Site's responsible person to monitor weather conditions (such as Hong Kong Observatory – Lightning Location Information) Suspension and resumption of outdoor activities shall be planned in advance. Safe execution procedures shall be set up and let all employees familiar with safe precautions include but not limited to: (1) All construction materials must be properly protected against damage. (2) Booms and jibs of cranes and heavy mechanical equipment should be lowered to the ground and adequately secured. (3) Non-essential electricity supplies must be isolated. 	ENG SO ASO	N/A	N/A	L	1X2 L



Appendix C –

Relevant training and qualifications



LI Tin Sum

Staff Curriculum Vitae

Professional History 10/2016 – Present		Foreman			
01/2015 – 10/2016		Muni Arborist Limited Tree Climber Dragon Tree and Landscape Contractor Ltd			
Academic Tra	ining				
Prof. Cert	Professional Cer Arboriculture and Work Supervisio	d Tree	2018	IVE	
Diploma	Arboriculture		2017	The Chinese University of Hong Kong	
Professional	Qualification				
Certified Tree Worker			2018	International Society of Arboriculture (ISA)	
Qualified Chainsaw and Pruning (G		(Ground)	2017	International Society of Arboriculture Hong	
Technician				Kong Chapter (ISAHK)	
Supervision of Tree Works			2016	Construction Industry Council	
Occupational Safety and Health in Arboriculture		ſ	2015	Occupational Safety and Health Council	



This is to certify that

LI Tin Sum

having completed a programme of study and passed the requisite assessments and satisfied all other requirements is hereby awarded

Professional Certificate in Arboriculture and Tree Work Supervision (Pass)

by the Vocational Training Council, Hong Kong Given this Second day of November, Two Thousand and Eighteen

茲證明

李天琛

修畢課程成績及格 職業訓練局依章授予

樹藝學及樹木工作監督專業證書 (合格)

二零一八年十一月二日

Dr. WONG Sin Ying, Lillian, Principal Hong Kong Institute of Vocational Education (Sha Tin) 香港專業教育學院(沙田)院長 黃倩瑛博士

Mrs. Carrie Yau, Executive Director Vocational Training Council 職業訓練局執行幹事尤曾家麗女士





香港中文大學專業進修學院 School of Continuing and Professional Studies The Chinese University of Hong Kong

> 茲證明 This is to certify that

> > 李天琛 LI, Tin Sum

考試及格照章授予 樹藝文憑

having passed the requisite examinations has this day been awarded the

Diploma in Arboriculture

二零一七年七月四日 4 July 2017

TUNN BELLE

w.y.P.

Chairman

大學擴展教育課程局主席

University Extension Board

專業進修學院院長 Director School of Continu

School of Continuing and Professional Studies

aleran



職業安全健康局

OCCUPATIONAL SAFETY & HEALTH COUNCIL

茲證明

李天琛

於二零一五年八月八日至二零一五年八月十五日 完成一項由本局主辦之

樹藝工作安全健康

並授予乙張

培訓證書

This is to certify that

LI TIN SUM

has completed a training course on 8 August 2015 to 15 August 2015 conducted by this Council on

Occupational Safety and Health in Arboriculture

and has been awarded a

Training Certificate





Bonnie YAU 游雯 Executive Director 總幹事 15 August 2015



CONSTRUCTION INDUSTRY COUNCIL 建造業議會

This is to certify that

LI, Tin Sum

has successfully completed

an 18-hour SUPERVISION OF TREE WORKS COURSE

on 27 April 2016

茲證明

李天琛

於二零一六年四月二十七日修畢

十八小時 樹木工程監管課程



International Society of Arboriculture (ISA) - Hong Kong Chapter 國際樹木學會香港分部

April 6, 2018

Dear Li Tin Sum 李天琛, Flat H, 16/F, Blk 1, Melody Garden, Tuen Mun



The certification valid period is extended to 5 years

We are pleased to inform you that the expiration date of your Certificate of Qualified Chainsaw and Pruning (Ground) Technician Assessment [QCPT] has been automatically extended from 30 Jul, 2020 to 30 Jul, 2022. The valid period of this certification has been changed from 3 years to 5 years which has been effective from 2018.

The updated certificate is attached. Thank you for your support to ISA Hong Kong Chapter.

證書有效期由三年改為五年

本學會分部現誠意通知您關於您的電油鋸及修剪(地上)技師證書之有效期 將自動由二〇二〇年七月三十日延長至二〇二二年七月三十日。由二〇一八年 起,所有該證書之有效期均由原本之三年改為五年。

現附上已更新之證書。感謝您對國際樹木學會香港分部的支持。

ISA Hong Kong chapter 國際樹木學會香港分部

二〇一八年四月六日

INTERNATIONAL SOCIETY OF RBORICULTURE HONG KONG CHAPTER

05

Sir

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17

THIS CERTIFIES THAT

QCPT

ISA

LI TIN SUM

Board of ISA - Hong Kong Chapter, and is therefore recognized as has successfully completed the requirements established by the

QUALIFIED CHAINSAW AND PRUNING (GROUND) TECHNICIAN (QCPT)

102

705

Certification Committee Chair, ISA Hong Kong Chapter

QCPT-0027 Certificate No.

d 01

4.2

4.2

S.P

902

30 Jul, 2022 **Expiration Date**

30 Jul, 2017

Certified Date

INTERNATIONAL SOCIETY OF ARBORICULTURE CERTIFIED TREE WORKER CLIMBER SPECIALIST[™]

Tin Sum Li

Having successfully completed the requirements set by the International Society of Arboriculture, the above named is hereby recognized as an ISA Certified Tree Worker Climber Specialist®

22 Apr 2018

Certified Since



Kevin Martlage Director of Credentialing International Society of Arboriculture

Caitlyn Pollihan **Executive Director** International Society of Arboriculture

HK-1624T Certification Number 30 Jun 2021

Expiration Date



Man Chun Ning

Staff Curriculum Vitae

Professional History

9/2020 - Present

Project Coordinator Muni Arborist Limited

Academic Training

Prof. Dip.	Professional Diploma in
	Horticulture and Landscape
	Management

2021

Technological and Higher Education Institute of Hong Kong (THEI)



Member of VTC Group VTC 機構成員

Technological and Higher Education Institute of Hong Kong TRANSCRIPT OF STUDY

Name :	MAN Chun Ning		Student No. :	174115460
Study Mode :	Part-time		I.D. Card No. :	Y100518(7)

Programme : Professional Diploma in Horticulture and Landscape Management Programme Code : DS524101

М	odule	Completion Date	Contact Hours	Credit Point	Grade
Academic Ye	ears 2018/2019 and 2019/2020				
DHL41001	Plant Knowledge	12 November 2018	42	3	D
DHL41002	Plant Culture	12 December 2019	42	3	C+
DHL41003	Plant Protection and Tree Biomechanics	14 July 2020	42	3	В-
DHL41004	Plant Biology	9 November 2019	28	2	D+
DHL42001	Communication Skill	3 October 2018	28	2	C+
DHL42002	Landscape Construction	15 April 2019	28	2	В-
DHL42003	Tree Risk Assessment and Mitigation	29 July 2019	42	3	C-
DHL42004	Arboriculture and Landscape Management	9 September 2019	28	2	С

Cumulative Credit Points Attained : 20 Cumulative Credit Points Exempted : 0

Award : Pass in Professional Diploma in Horticulture and Landscape Management [Award Date: 9 February 2021]



acen

Registrar

Date: 1 March 2021

Please read the notes on the last page.

Page 1 of 2



Member of VTC Group VTC 機構成員

Notes

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W

Except for Modules which are assessed on a Pass/Fail (P/F) basis, student's performance in a module is expressed in Grades with A being the highest grade, D the minimum passing grade and F for fail.

Grade	Description of Standard#
А	Excellent
A-	Excellent
B+	Very Good
В	very Obou
В-	Good
C+	Satisfactory
С	Satisfactory
C-	
D+	Pass
D	initalitette Etallina anni yenne and Initalitette Etallina
F	Fail

Not applicable to modules assessed on a P/F basis

- Supplementary Assessment
 Incomplete
 Exempted from study with or without credit transfer
 Withdrawal
- WF : Withdrawal with Failure
- @ : Module assessed on a P (Pass) / F (Fail) basis

PDHLM AY2017/18 Class B – ETSS Reimbursement

Faculty of Design and Environment, THEi <thei-fde@vtc.edu.hk>

週四 2020/7/30 下午 02:12 **副本:** LO YUK MING <rymlo@vtc.edu.hk>; Yelo Wong <yelow@vtc.edu.hk> Dear Students,

Kindly note that the ETSS reimbursed / to reimburse the following modules for your information <u>if you found successfully completed the module</u>:-

April 2019

Module Code	Module Name	Credit Points
DHL42001	Communication Skill	2

October 2019

Module Code	Module Name	Credit Points
DHL41004	Plant Biology	2

August 2020

Module Code	Module Name	Credit Points
DHL41001	Plant Knowledge	3
DHL41002	Plant Culture	3
DHL41003	Plant Protection and Tree Biomechanics	3
DHL42002	Landscape Construction	2
DHL42003	Tree Risk Assessment and Mitigation	3
DHL42004	Arboriculture and Landscape Management	2

60% of tuition fee of the aforementioned modules will be reimbursed (Credit Points x \$2,250 per credit point x 60%) to your bank account registered to ETSS. Depends on your bank registered to ETSS, some more time may be needed for handling transaction. Should you have enquiries on the ETSS scheme, please contact ETSS Enquiry Hotline at 2435 9423 or by email at <u>vplus@vtc.edu.hk</u>.

Best regards Faculty of Design and Environment Technological and Higher Education Institute of Hong Kong (THEi)

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All information and opinions given therein are entirely those of the message sender(s) and are not necessarily endorsed by the Vocational Training Council.

Contract No: **21/WSD/21**



Project Title:

Relocation of Diamond Hill Fresh Water and Salt Water Service Reservoirs to Caverns

Method Statement – Tree Transplanting Work

Document No: CWSJV/1067/MSSF/00011

Revision: 0

Date: 10 February 2023



Method Statement – Tree Transplanting Work

Revision History

Revision No.	Description	Revised By	Date
0	First Issue	Kevin TAM	10 February 2023



Method Statement –

Tree Transplanting Work

Document No:	CWSJV/1067/MSSF/00011
--------------	-----------------------

Revision:	0
Date:	10 February 2023

Prepared and checked:

Position	Signature	Name	Date
Engineer	leh	Kevin Tam	10 February 2023
Assistant Project Manager	Itin Ho	Felix Ho	10 February 2023
Environmental Officer	AN	Gemini Lam	10 February 2023
Safety Officer	f	Eddie Chung	10 February 2023

Approved by:

Site Agent	into	Kenny Poon	10 February 2023



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1 General

1.1 Objective

This method statement describes the sequence and method of tree transplanting under this contract.

1.2 Scope of works

To conduct tree transplanting work under this contract as attached in **Appendix A**. Justifications on the feasibility of transplanting are also listed in **Appendix B**.

2 Methodology

2.1 Preparatory Work

- 1. The tree species and tree tag should be checked to confirm it is the approved transplant tree.
- Cables and nearby utilities detection as well as protection should be carried out by the competent person from main contractor in case of any underground utilities were laid within the area of root pruning and its vicinity prior to commencement of root pruning works.
- 3. All equipment and machinery certificates will be checked before use.
- 4. Lifting cables, chains, straps, and/or slings shall be inspected and used according to manufactures' instructions and specifications.
- 5. Digging and root pruning tools shall be sharp and clean in order to cut without breaking, crushing or tearing roots.
- Safety precautions shall be taken to protect those engaged in operation as well as people and properties in the vicinity. A cordon off area which is 2 meters from the working area will be setup to avoid people walking closely and against the hazards of the falling objects.
- 7. Working area shall be restricted from outsiders.
- 8. On-site Tree Work Supervisor should supervise the transplant works, and give advice if necessary.



2.2 Site Preparation of Final Receptor Site

- 1. The final location will be graded with backhoe excavator with well surface drain, weeds will be removed.
- 2. Bamboo stake scaffolding or guy wires will be installed in order to secure the transplanted tree against strong wind.
- 3. The trees will be watered at least twice a week for the first month after transplant.
- 4. Upon arrival of the final location, all ties on branches will be removed.
- 5. All transplanted trees will be kept upright with guy wires or bamboo stake scaffolding with protection pad at all times within the final location.
- 6. Photographic record of the transplanted trees will be submitted in quarterly monitoring report.

2.3 Crown Pruning

- Crown cleaning as well as thinning subject to tree species and health condition in order to remove unhealthy, damaged, diseased, dead branches so as to minimise susceptibility to pests and diseases and reduce water loss through transpiration.
- 2. Pruning should not over 25% of crown under normal situation.

2.4 Root-ball Preparation

- A maximum size of root-ball (1m) will be maintained whereas practical and necessary to ensure the higher survival rate for transplant trees. Since many of the trees are confined in planter or restricted by concrete/facilities, size of the root-ball is subject to site condition.
- 2. The trench size of root ball should be at least 300mm wide and 1000mm deep if the site condition allows.
- 3. The depth of the root-ball should be not less than 600mm deep unless there is site constraint such as slope or planter.
- 4. The proposed circumference of the root-ball will be marked on ground and approved by the Supervisor.



- 5. Roots which are severed in the course of root pruning shall be cut cleanly.
- 6. Root activator shall be applied at regular intervals according to the manufacturer's instruction.
- 7. Before lifting, the outer edge of the previously dug trenches shall be loosened from the surrounding soil and the root ball will be undercut to allow the tree to be lifted free from the ground with the root ball intact.
- 8. Adequate support e.g. staking or guy wires will be provided for all transplant trees in all stages and will be checked regularly.
- 9. Damp hessians should cover the root ball throughout the time of uplifting until the tree is transplanted to receptor site.

10. Photographic record of all transplant stages will be provided.

2.5 Tree Lifting and Transportation

1. Proper access including piling of metal platforms above the concrete covers should be provided to facilitate the entry and parking for heavy crane/lorry.

2. The tree will be supported by crane lorry before the under cutting work.

3. During uplifting, the tree will be lifted by its root ball which is properly prepared and wrapped.

4. The trunk and branches should be padded with several thickness of burlap to prevent damages and injury during the transplanting operation. Avoid using self-tightening slings around trunk or branches in order not to bruise or rupture the bark.

5. The nylon straps will be used to secure the root ball during lifting.

6. Root ball will be undercut by hand saw or pruner to allow the tree to be lifted free from ground with the soil intact as far as practical. The base of the root-ball will be properly wrapped and protected during uplifting.

7. The cables for lifting will be wrapped with protective rubber sheaf to prevent damage.



8. The lifted trees will be placed lying flat on the truck platform or long trailer. The whole tree including the aerial parts shall be immediately covered with a tarpaulin to protect against excessive sunlight, wind and drought. Care shall be taken in packing to prevent over-heating with its resultant loss of foliage.

9. Trees shall be transplanted to the designated location within 2 hours after lifting.

10. When necessary, pruning will be conducted to facilitate passage and transport to receptor site.

11. Tree Work Supervisor will supervise the uplifting work.

12. Trees will be transplanted to the receptor site upon confirmation from the Supervisor.



2.6 Post-transplanting/ Establishment Work

- 1. Immediately after transplanting, transplanted trees shall be well watered, using enough water to thoroughly soak the root-ball.
 - 2. Trees shall be treated with establishment works for 12 months. The following general maintenance works shall be carried out during the establishment period according to general specification:
 - Watering
 - Mulching
 - Firming up by guying/bamboo staking
 - Litter collection
 - Pruning
 - Root activator if instructed
 - Control of pest and disease
 - Post-planting fertilizing at least two applications
 - Quarterly inspection and provide quarterly photo record showing the condition of transplanted trees

4 Plant and Equipment

Safety fence	Backhoe excavator
Crane lorry	Guy wires
Pruner	Nylon straps
Shovels	Tarpaulins
Chainsaw	Hessian mat
Gasoline saw	Wire net
Round sling	Truck platform
Steel shackle	75tons RB



5 Environment Concern

5.1 Noise Control

- The normal daily working hours are 7:00 a.m. to 7:00 p.m. from Monday to Saturday. If necessary, extension of working hours after 7:00 p.m. for weekdays and on Sundays and public holidays will be implemented. All requirements in Construction Noise Permit (CNP) if granted will be strictly followed.
- 2. Selection of quiet plant and working methods
- 3. Reducing the number of plants operating concurrently
- 4. Providing movable noise barriers/enclosures if necessary
- 5. Shutting down the plants when not in operating

5.2 Air Control

- 1. Using of B5 diesel for all plants and equipment.
- 2. Maintenance of plants periodically to ensure no black smoke emit.
- 3. Using Non-road Mobile Machinery (NRMM) with NRMM label on site.

5.3 Waste Control

- 1. The general refuse shall always be disposed to the designated refuse collection point and segregation of waste shall be maintained at all times.
- 2. Yard waste will be disposed to Y Park

5.4 Water Control

- All muddy water produced by the works will be treated and delivered into the designed water treatment facilities (i.e. sedimentation tank) before being discharged into the public drainage system
- 2. Measures will be taken to minimise the muddy water generated from the temporary cut slope surface during rainfall time
- 3. Excavated area will be shielded with impermeable sheeting during rainfall time and after working hours.



6 SAFETY

6.1 Risk Assessment

Rules of manual handling should refer to the **Appendix B – Risk Assessment**. Ensure the load to be handled would not exceed the personal ability. Otherwise, more manpower resources should be deployed. Adopt a right posture for carrying out manual handling.

6.2 General Site Safety

All workers must go through a briefing by the Supervisor/ Engineer before commencement of any works. All workers on site shall obtain an approved safety training certificate/ record. Pre-use inspection and maintenance checks shall be carried out on all mechanical equipment before commencement of works.

6.3 Working under Inclement Weather Conditions (Red/Black Storm Warning Signal, Thunderstorm Warning, etc.)

Avoid pruning works in rainy days and avoid outdoor activities when thunderstorm signal is hoisted.

6.4 Working under Hot Weather Conditions

Worker should not work alone under extremely hot weather condition. In case the site personnel is suffering from heat stroke, the other co-worker can help in notifying the safety management staff and arrange proper emergency measures for the sufferer.

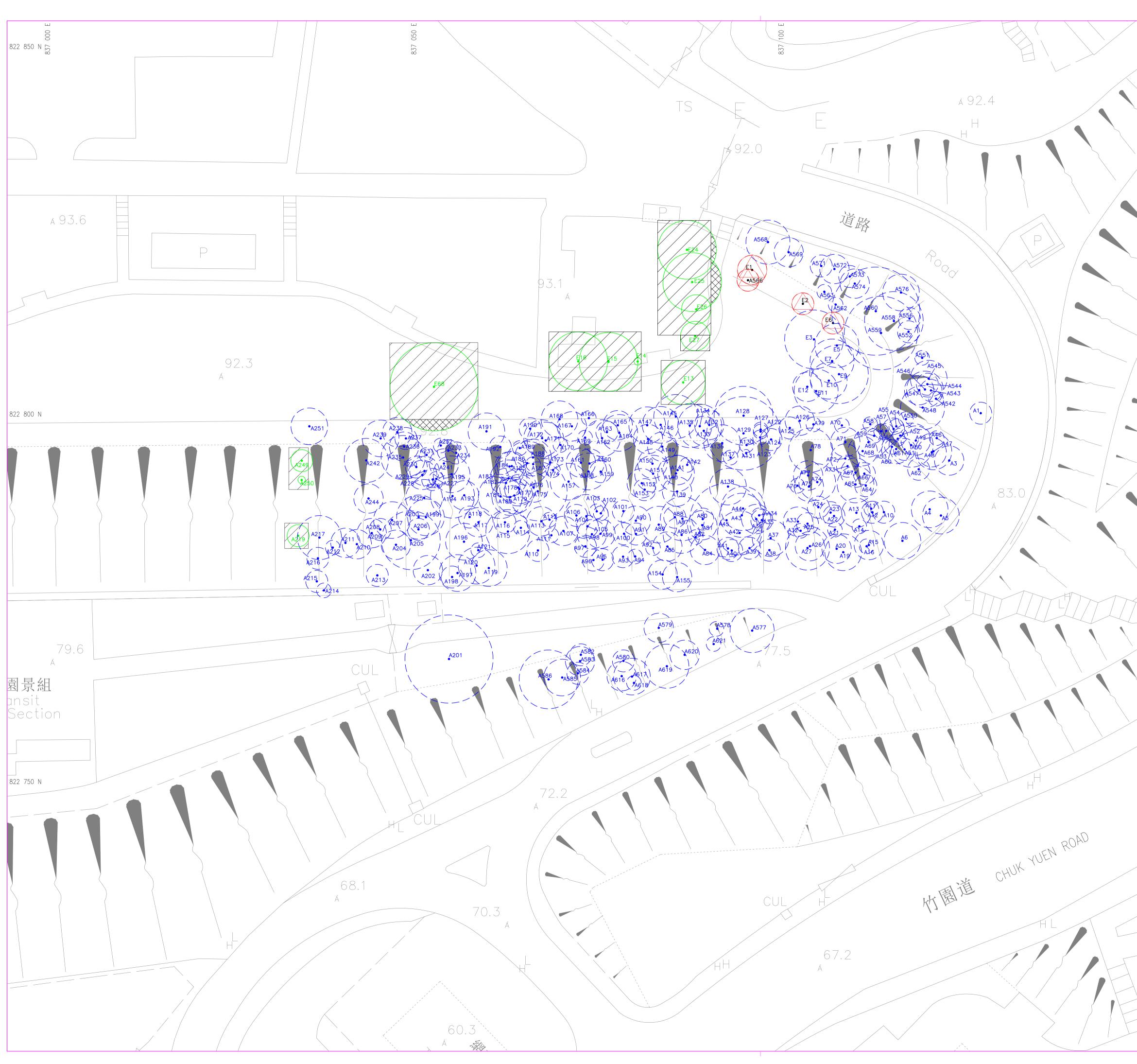
6.5 Personal Protective Equipment and Safety

Safety helmets, safety boots, vest and gloves need to be wore all the time. Safety harness need to be wore while working at height. Safety googles and hearing protectors need to be wore while using the machine which will produce noise or ducts. Warning signs and barriers will be erected where necessary.



Appendix A –

Relevant Drawings



7 150 E					
837	LEG	END:	PROPOSED TREE	E PROTECTION	
		•	ZONE TREE TO BE RE	TAINED	
		•)	TREE TO BE RE	MOVED AND (COMPENSATED
		AXXXX	TREES TO BE F	PRUNED	
			TREES TO BE T	RANSPLANTED	
	Revision	Date	Descriptio Checked		Initial
	Initial	Designed	Спескеа	Drawn	Checked
	Date Approved				
	Contract	No.	21/WSD	/ 2 1	
	Project	litle		/	
64.3			TION OF DI		
Á			RESERVOIRS		
	Drawing	Title			
HL					
		TRE	e surve	Y PLAN	1
	Drawing		76/TR/001		Revision A
	Scale	10	A1 1 : 25 A3 1 : 50		
			L.	》 亦 崔	
			Water	- Suppl	ies
		* / *	Dep	artmer) t
				5	
	CH	IUN W	70 - Sinc	• HYDRO	JV
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Appendix B –

Risk Assessment

Classification of risk

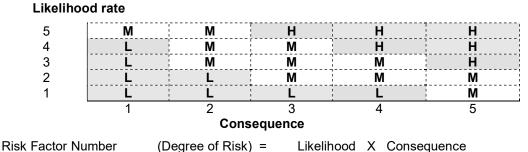
Likelihood rating:

Pro	Level	Likelihood rating	Prob. Value	Description	Individual Failure Mode					
sqc	А	5	10 ⁻¹	Frequent	Likely to occur frequently					
Probability	В	4	10 ⁻²	Probable	Will occur several times in the life					
	С	3	10 ⁻³	Occasional	Likely to occur sometimes in some year					
Levels	D	2	10-4	Remote	Unlikely but possible to occur in life					
els	E	1	10 ⁻⁵	Improbable	So unlikely that occurrence may not be experienced					

Consequence:

	Category	Conseq	Degree	Description
		uence		
Severity	A	5	Catastrophic	Failure causes complete system lost control and/ or potential for fatalities
erity C	В	4	Major	Major damage to system and/or amputation injury to personnel
Categories	С	3	Moderate	Hospitalization for less than 15 days or damage in HK\$100K
ories	D	2	Minor	Failure will probably occur without major damage to system or injury
	E	1	Insignificant	Functional failure of machine or process – no potential injury or damage to properties.

Risk Matrix:



The higher the Risk Factor Number, the higher the risk and more safety precautions should be taken.

Degree of Risk and Action Priority:

High (H) – Degree of Risk within the range 15-25

- 1. Review the work procedure immediately;
- 2. Formulate safety measures to reduce the risk to "Low" level;
- 3. Supervision by competent person.

Medium (M) - Degree of Risk within the range 5-14

- 1. Review the work procedure within reasonable time.
- 2. Formulate safety measures to reduce the risk to "Low" level.

Low (L) - Degree of Risk within the range 1-4

1. Follow in-house safety rules and statutory requirements.

*If the control measures are unable to reduce the risk to "Low" level:

- 1. The method statement shall be reviewed by the engineer;
- 2. Re-assess the risk according to the revised method statement and procedures.

	Activities /			Risk Leve	el			Personal Protective	Training	Action Priority	Residu al
Item	Works	Hazard	Likeli hood	Conseq uence	Risk Factor	Control Measures	Follow up by	Equipment		(H/M/L)	Risk
1.	Preparation Work	Workers expose to the general site hazards	2	1	2	 Safety helmets, safety boots and reflective vest should be mandatory and be wore at all times on site and as condition of entry. Provision of good housekeeping Site safety supervision should be monitored to the compliance of site. 	F ASO	Safety Helmet Safety Boots Reflective Vest	Induction Training	L	1x1 L
2.	Workers access to tree	Fall of person	2	3	6	 Provide a safe mean of access Fix ladders securely prior to use on each location of work Provide elevation work platform Prohibit the ladders used for working more than 2 metres high activity Use of safety harness and independent life line 	F ENG ASO	Safety Harness	Working at Height	L	2x1 L
3.	Delivery of nos tree	Fall of Tree	2	5	10	 Ensure the crane operator is holding a valid license. Ensure all LA/LG holding a valid license before use. Do not exceed the SWL and allowable lifting angle. The SWL should be clearly shown Appoint a banksman or rigger to conduct lifting operation. 	SO F SuA ASO	Safety helmet Safety shoes Hi-Vis Vest Whistle	Lifting operation	Н	1X4 L

	Activities /			Risk Leve	21			Personal Protective	Training	Action Priority	Residu al
Item	Works	Hazard	Likeli hood	Conseq uence	Risk Factor	Control Measures	Follow up by	Equipment		(H/M/L)	Risk
4.	Lifting operation by Mobile Crane Lifting	Fall of heavy loading, jib collapse, (Machinery failure) Fall of heavy loading (Human error)	5	3	20	 Competent engineer to conduct details examination and issue Form 3, 5. Before obtaining the valid certificate, any operation is strictly prohibited. Check the crane everyday by crane operator before operation. Check the crane weekly by appointed operator complete and sign the statutory Form 1 Detail inspection conducted by mechanic monthly. All maintenance record and certificates to be filed and kept in site safety department. Safety officer shall check all certificate of the crane before operation. Crane operator should be trained by CITA or equivalent and obtained valid operator license. Competent signaler should be appointed. Crane operator, signaler & rigger should attend on-site safety operation training. Never let suspended heavy load unattended. Never over load the mobile crane. Display the safe working load of the crane Fence off the lifting operation zone, adopted permit to enter system, only trained workers is allowed to enter the zone. 	F ENG ASO SO	Safety helmet Safety Shoes Hi-Vis Vest Safety helmet Safety Shoes Hi-Vis Vest	Induction Training Lifting Operation	Н	2x1 L 2x1 L

	Activities /			Risk Leve	el			Personal Protective	Training	Action Priority	Residu al
Item	Works	Hazard	Likeli hood	Conseq uence	Risk Factor	Control Measures	Follow up by	Equipment		(H/M/L)	Risk
		Lifting gear failure	5	4	20	 Riggers shall attached the lifting gear onto lifting point while lifting the limbs Riggers shall checked lifting gears before operation All lifting gear, shackle, lifting wires, webbing slings etc. shall be examined by RPE and obtained valid Form 6, 7. Safety officer to check all certificate of the lifting gear before use and maintain record in the safety department. Color code system of lifting gear shall be applied for easier monitoring. 	F ENG ASO SO		Lifting operation	M	2x1 L
		Turnover of mobile crane	2	3	6	 The outrigger must be fully extended. The mat or the timber blocks of at 3 times diameter of the outrigger and in sound condition shall be provided. Never overload the crane, overload cut off device is recommended to install. The movement of mobile crane must be guided by lifting supervisor or the signaler. Area foreman should arrange a safe access. Signaler should guide the mobile crane. If the ground surface is soft and uneven, use roller to compact the soil surface. 	F ENG ASO SO		Lifting operation	M	2x1 L
		Suspended loading strike on object or nearby person.	2	3	6	 The spot of lifting operation should be fully fenced. Warning sign should be displayed. Appointed signaler should guide the operator in the whole lifting process. No trespasser is allowed. Sub-contractor supervisor should be station on spot to supervise the whole operation. All workers should wear safety hamlet and hi-vis vest. If any other heavy machinery is operating in the same time same place, signaler should also coordinate the machinery movement. 	F ENG ASO SO	Hi-vis vest	Lifting operation	M	2x1 L

	Activities /			Risk Leve	el			Personal Protective	Training	Action Priority	Residu al
Item	Works	Hazard	Likeli hood	Conseq uence	Risk Factor	Control Measures	Follow up by	Equipment		(H/M/L)	Risk
5.	Use of working platform / scissors platform / Cheery Picker	Fall of person	2	4	8	 Ensure working platform provide double guardrails and toe board. Ensure safe access to the working platform Training for scissors platform or cherry picker should be provided. 	F ENG SO	Safety Harness	Work at Height Scissors platform Cherry picker	М	1x1 L
		Fall of hand tools	2	3	6	 Provide lanyard to the hand tools Ensure toe board provided to the working platform 	F SO ASO	Safety helmet	Safe use of Hand Tools	L	1x1 L
6.	Use of electric hand tools and chainsaws to cut the wing and branches	Electric shock	2	4	8	 The generator and power hand tools to be inspected by qualified electrician, recorded and labeled before use Workers to visual inspect electric hand tools are in good condition on daily basis before use Ensure electric hand tools are IP67 standard and 110V 	FSO	Safety helmet Safety boots Reflective Vest	Electrical Safety	М	lx2 L
		Noise hazard	2	3	6	 Noise Assessment Hearing protection zone marked People working in the hearing protection zone must wear ear protection equipment 	F ASO	Hearing protector	Noise Protection	L	1x2 L
		Falling Object	2	2	4	1. To setup rigid barrier along working area and display warning	F ASO	Safety Helmet	Falling Object	L	1x1 L
		Body injury	2	2	4	 Warning protective clothing and safety gloves 	F ASO	Safety Gloves Protective Clothes	Proper use of PPE	L	1x1 L
		Manual handing	2	3	6	 Provide safety training To use mechanical mean for lifting and transportation 	F ASO	Safety Gloves	Manual Handling	L	1x1 L

	Activities /			Risk Leve	1			Personal Protective	Training	Action Priority	Residu al
Item	Works	Hazard	Likeli hood	Conseq uence	Risk Factor	Control Measures	Follow up by	Equipment		(H/M/L)	Risk
7.	Excavation	Manual Handling	2	2	4	 Provide tool or support for shear wrench while tightening Make use of tools or equipment to assist the delivery of materials. Maintain good and proper gesture to mobilize materials. Carry out manual handling risk assessment to the works if necessary. 	SO F ENG	Safety Gloves	Manual Handling	М	1x2 L
		Fall to pit	2	3	6	1. Fenced off properly of pit	SO F ENG	Safety Helmet	Housekeepin g	L	1x1 L
8.	General works activities	Heatstroke	2	2	4	 Allow workers to take regular breaks or rotate to other area within the shift to reduce exposure to the hot environment. Make arrangements for workers to rest in a cool or shady place during very hot periods. Provide cool portable water for workers during work and encourage them to take plenty of water to replenish the fluid lost through sweating. Encourage them to wear light- colored clothing to minimize heat absorption and enhance heat dissipation. Request supervisor to pay attention to any report of workers suffering from Symptoms of heat stroke. When temperature is higher than 40°C, no work shall be allowed. Provide constant ventilation to reduce temperature inside. 	ENG SO ASO	N/A	Heatstroke Prevention	L	1X2 L

	Activities /			Risk Leve	el			Personal Protective	Training	Action Priority	Residu al
Item	Works	Hazard	Likeli hood	Conseq uence	Risk Factor	Control Measures	Follow up by	Equipment		(H/M/L)	Risk
		Lightning Warnings / Typhoon and Heavy Rainstorm Signal	4	3	12	 Assign Site's responsible person to monitor weather conditions (such as Hong Kong Observatory – Lightning Location Information) Suspension and resumption of outdoor activities shall be planned in advance. Safe execution procedures shall be set up and let all employees familiar with safe precautions include but not limited to: (1) All construction materials must be properly protected against damage. (2) Booms and jibs of cranes and heavy mechanical equipment should be lowered to the ground and adequately secured. (3) Non-essential electricity supplies must be isolated. 	ENG SO ASO	N/A	N/A	L	1X2 L



Appendix C –

Relevant Certificate for Chainsaw Operator and Transplant Supervisor



LI Tin Sum

Staff Curriculum Vitae

Professional History 10/2016 – Present		Foreman		
01/2015 – 10/2016		Muni Arborist Limited Tree Climber Dragon Tree and Landscape Contractor Ltd		
Academic Training				
Prof. Cert	Professional Certificate in Arboriculture and Tree Work Supervision		2018	IVE
Diploma	Arboriculture		2017	The Chinese University of Hong Kong
Professional Qualification				
Certified Tree Worker			2018	International Society of Arboriculture (ISA)
Qualified Chainsaw and Pruning (Ground)		(Ground)	2017	International Society of Arboriculture Hong
Technician				Kong Chapter (ISAHK)
Supervision of Tree Works			2016	Construction Industry Council
Occupational Safety and Health in Arboriculture		ſ	2015	Occupational Safety and Health Council



This is to certify that

LI Tin Sum

having completed a programme of study and passed the requisite assessments and satisfied all other requirements is hereby awarded

Professional Certificate in Arboriculture and Tree Work Supervision (Pass)

by the Vocational Training Council, Hong Kong Given this Second day of November, Two Thousand and Eighteen

茲證明

李天琛

修畢課程成績及格 職業訓練局依章授予

樹藝學及樹木工作監督專業證書 (合格)

二零一八年十一月二日

Dr. WONG Sin Ying, Lillian, Principal Hong Kong Institute of Vocational Education (Sha Tin) 香港專業教育學院(沙田)院長 黃倩瑛博士

Mrs. Carrie Yau, Executive Director Vocational Training Council 職業訓練局執行幹事尤曾家麗女士





香港中文大學專業進修學院 School of Continuing and Professional Studies The Chinese University of Hong Kong

> 茲證明 This is to certify that

> > 李天琛 LI, Tin Sum

考試及格照章授予 樹藝文憑

having passed the requisite examinations has this day been awarded the

Diploma in Arboriculture

二零一七年七月四日 4 July 2017

TUNN BELLE

w.y.P.

Chairman

大學擴展教育課程局主席

University Extension Board

專業進修學院院長 Director School of Continu

School of Continuing and Professional Studies

aleran



職業安全健康局

OCCUPATIONAL SAFETY & HEALTH COUNCIL

茲證明

李天琛

於二零一五年八月八日至二零一五年八月十五日 完成一項由本局主辦之

樹藝工作安全健康

並授予乙張

培訓證書

This is to certify that

LI TIN SUM

has completed a training course on 8 August 2015 to 15 August 2015 conducted by this Council on

Occupational Safety and Health in Arboriculture

and has been awarded a

Training Certificate





Bonnie YAU 游雯 Executive Director 總幹事 15 August 2015



CONSTRUCTION INDUSTRY COUNCIL 建造業議會

This is to certify that

LI, Tin Sum

has successfully completed

an 18-hour SUPERVISION OF TREE WORKS COURSE

on 27 April 2016

茲證明

李天琛

於二零一六年四月二十七日修畢

十八小時 樹木工程監管課程



International Society of Arboriculture (ISA) - Hong Kong Chapter 國際樹木學會香港分部

April 6, 2018

Dear Li Tin Sum 李天琛, Flat H, 16/F, Blk 1, Melody Garden, Tuen Mun



The certification valid period is extended to 5 years

We are pleased to inform you that the expiration date of your Certificate of Qualified Chainsaw and Pruning (Ground) Technician Assessment [QCPT] has been automatically extended from 30 Jul, 2020 to 30 Jul, 2022. The valid period of this certification has been changed from 3 years to 5 years which has been effective from 2018.

The updated certificate is attached. Thank you for your support to ISA Hong Kong Chapter.

證書有效期由三年改為五年

本學會分部現誠意通知您關於您的電油鋸及修剪(地上)技師證書之有效期 將自動由二〇二〇年七月三十日延長至二〇二二年七月三十日。由二〇一八年 起,所有該證書之有效期均由原本之三年改為五年。

現附上已更新之證書。感謝您對國際樹木學會香港分部的支持。

ISA Hong Kong chapter 國際樹木學會香港分部

二〇一八年四月六日

INTERNATIONAL SOCIETY OF RBORICULTURE HONG KONG CHAPTER

05

Sir

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17

THIS CERTIFIES THAT

QCPT

ISA

LI TIN SUM

Board of ISA - Hong Kong Chapter, and is therefore recognized as has successfully completed the requirements established by the

QUALIFIED CHAINSAW AND PRUNING (GROUND) TECHNICIAN (QCPT)

102

705

Certification Committee Chair, ISA Hong Kong Chapter

QCPT-0027 Certificate No.

d 0 }

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S.P

902

30 Jul, 2022 **Expiration Date**

30 Jul, 2017

Certified Date

INTERNATIONAL SOCIETY OF ARBORICULTURE CERTIFIED TREE WORKER CLIMBER SPECIALIST[™]

Tin Sum Li

Having successfully completed the requirements set by the International Society of Arboriculture, the above named is hereby recognized as an ISA Certified Tree Worker Climber Specialist®

22 Apr 2018

Certified Since



Kevin Martlage Director of Credentialing International Society of Arboriculture

Caitlyn Pollihan **Executive Director** International Society of Arboriculture

HK-1624T Certification Number 30 Jun 2021

Expiration Date



Man Chun Ning

Staff Curriculum Vitae

Professional History

9/2020 - Present

Project Coordinator Muni Arborist Limited

Academic Training

Prof. Dip.	Professional Diploma in
	Horticulture and Landscape
	Management

2021

Technological and Higher Education Institute of Hong Kong (THEI)



Member of VTC Group VTC 機構成員

Technological and Higher Education Institute of Hong Kong TRANSCRIPT OF STUDY

Name :	MAN Chun Ning		Student No. :	174115460
Study Mode :	Part-time		I.D. Card No. :	Y100518(7)

Programme : Professional Diploma in Horticulture and Landscape Management Programme Code : DS524101

М	odule	Completion Date	Contact Hours	Credit Point	Grade
Academic Ye	ears 2018/2019 and 2019/2020				
DHL41001	Plant Knowledge	12 November 2018	42	3	D
DHL41002	Plant Culture	12 December 2019	42	3	C+
DHL41003	Plant Protection and Tree Biomechanics	14 July 2020	42	3	В-
DHL41004	Plant Biology	9 November 2019	28	2	D+
DHL42001	Communication Skill	3 October 2018	28	2	C+
DHL42002	Landscape Construction	15 April 2019	28	2	В-
DHL42003	Tree Risk Assessment and Mitigation	29 July 2019	42	3	C-
DHL42004	Arboriculture and Landscape Management	9 September 2019	28	2	С

Cumulative Credit Points Attained : 20 Cumulative Credit Points Exempted : 0

Award : Pass in Professional Diploma in Horticulture and Landscape Management [Award Date: 9 February 2021]



acen

Registrar

Date: 1 March 2021

Please read the notes on the last page.

Page 1 of 2



Member of VTC Group VTC 機構成員

Notes

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W

Except for Modules which are assessed on a Pass/Fail (P/F) basis, student's performance in a module is expressed in Grades with A being the highest grade, D the minimum passing grade and F for fail.

Grade	Description of Standard#
А	Excellent
A-	Excellent
B+	Very Good
В	very Obou
В-	Good
C+	Satisfactory
С	Satisfactory
C-	
D+	Pass
D	initial and a second
F	Fail

Not applicable to modules assessed on a P/F basis

- Supplementary Assessment
 Incomplete
 Exempted from study with or without credit transfer
 Withdrawal
- WF : Withdrawal with Failure
- @ : Module assessed on a P (Pass) / F (Fail) basis

PDHLM AY2017/18 Class B – ETSS Reimbursement

Faculty of Design and Environment, THEi <thei-fde@vtc.edu.hk>

週四 2020/7/30 下午 02:12 **副本:** LO YUK MING <rymlo@vtc.edu.hk>; Yelo Wong <yelow@vtc.edu.hk> Dear Students,

Kindly note that the ETSS reimbursed / to reimburse the following modules for your information <u>if you found successfully completed the module</u>:-

April 2019

Module Code	Module Name	Credit Points
DHL42001	Communication Skill	2

October 2019

Module Code	Module Name	Credit Points
DHL41004	Plant Biology	2

August 2020

Module Code	Module Name	Credit Points
DHL41001	Plant Knowledge	3
DHL41002	Plant Culture	3
DHL41003	Plant Protection and Tree Biomechanics	3
DHL42002	Landscape Construction	2
DHL42003	Tree Risk Assessment and Mitigation	3
DHL42004	Arboriculture and Landscape Management	2

60% of tuition fee of the aforementioned modules will be reimbursed (Credit Points x \$2,250 per credit point x 60%) to your bank account registered to ETSS. Depends on your bank registered to ETSS, some more time may be needed for handling transaction. Should you have enquiries on the ETSS scheme, please contact ETSS Enquiry Hotline at 2435 9423 or by email at <u>vplus@vtc.edu.hk</u>.

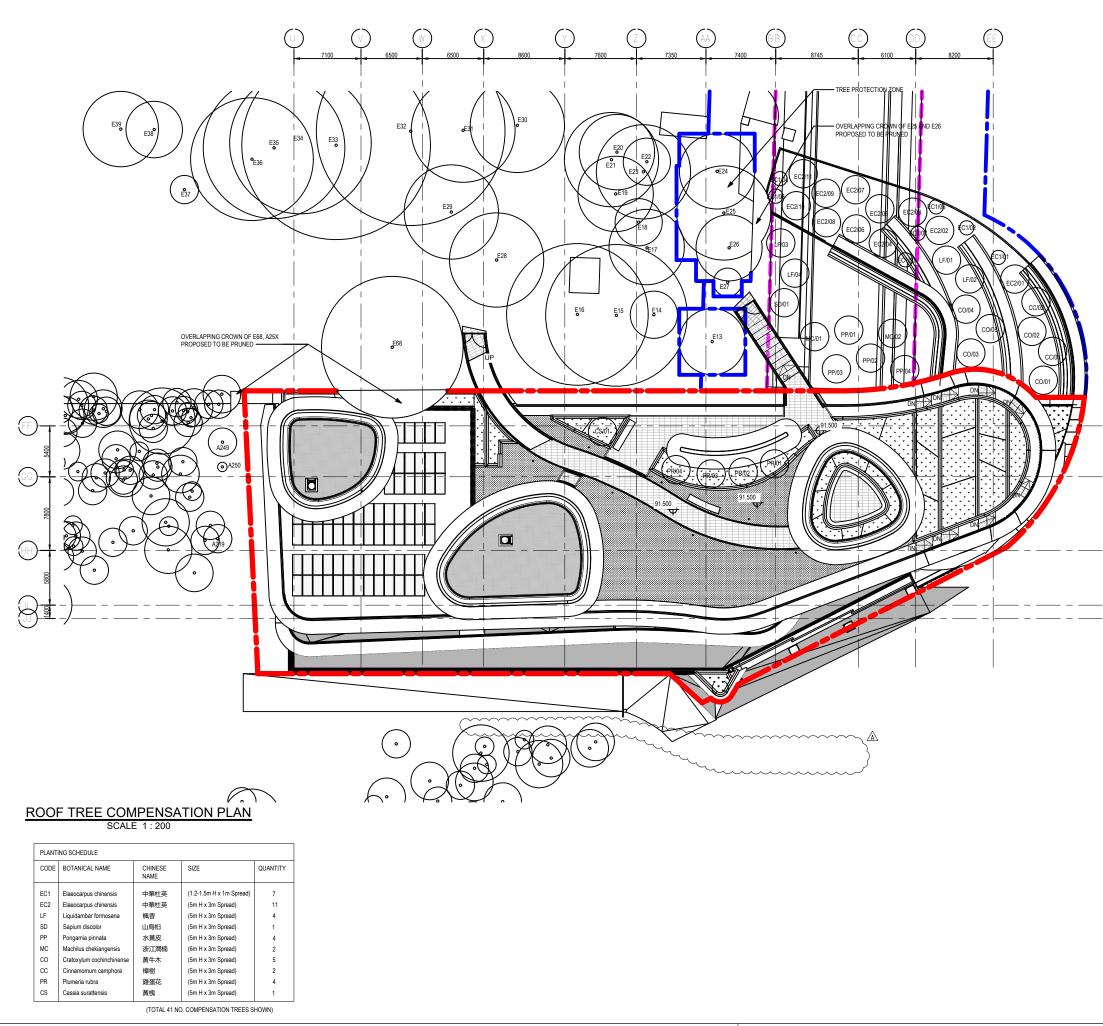
Best regards Faculty of Design and Environment Technological and Higher Education Institute of Hong Kong (THEi)

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All information and opinions given therein are entirely those of the message sender(s) and are not necessarily endorsed by the Vocational Training Council.

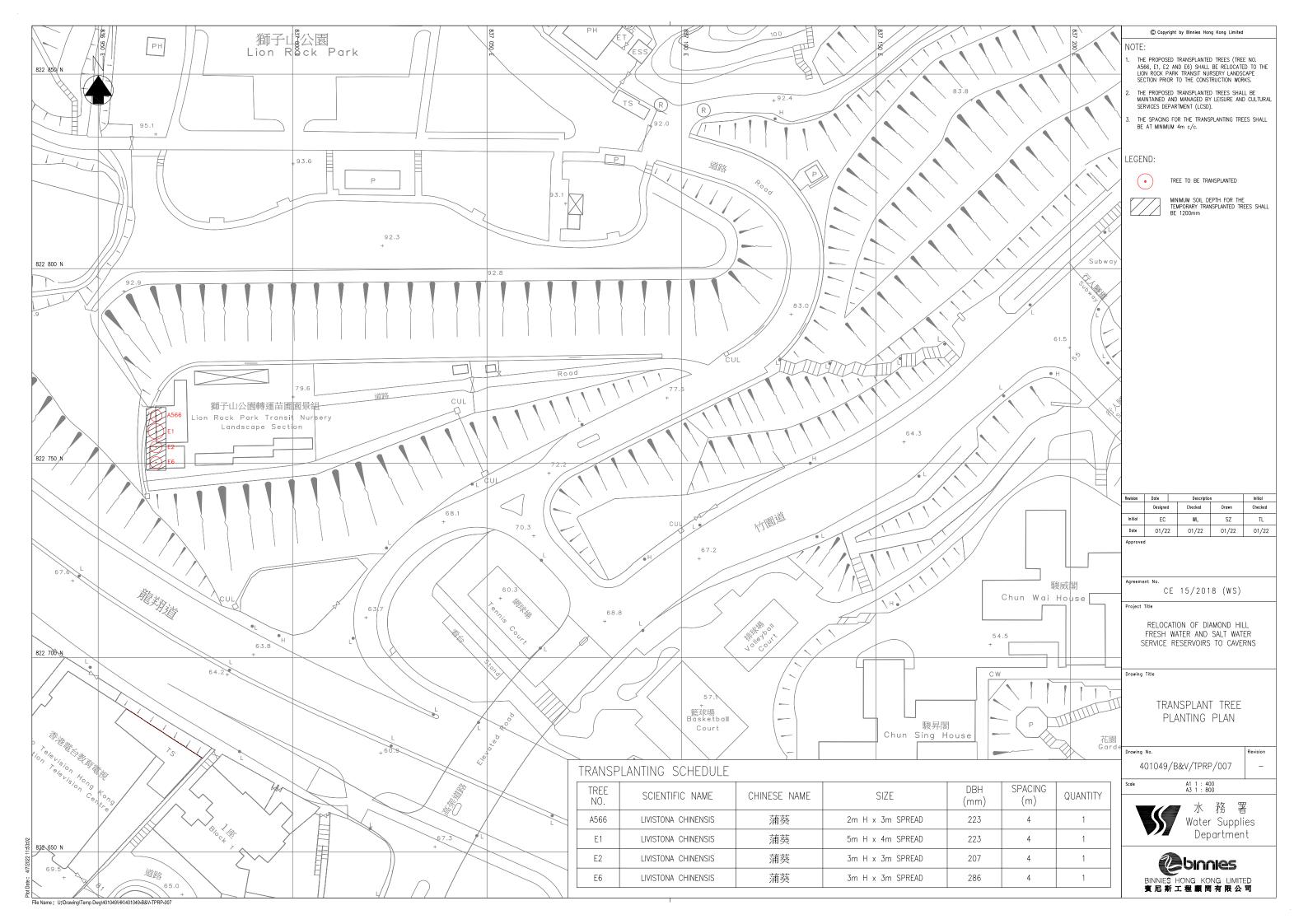
Appendix B – Compensatory Planting Plans and Transplant Tree Planting Plan



В

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-	10/11/23	REVISED DRAWING	
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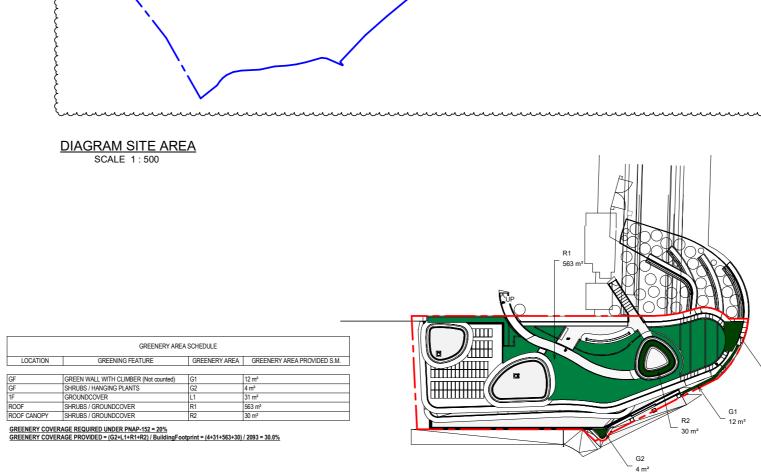


Contract No. 21/WSD/21 Relocation of Diamond Hill Fresh Water and Salt Water Reservoirs to Caverns

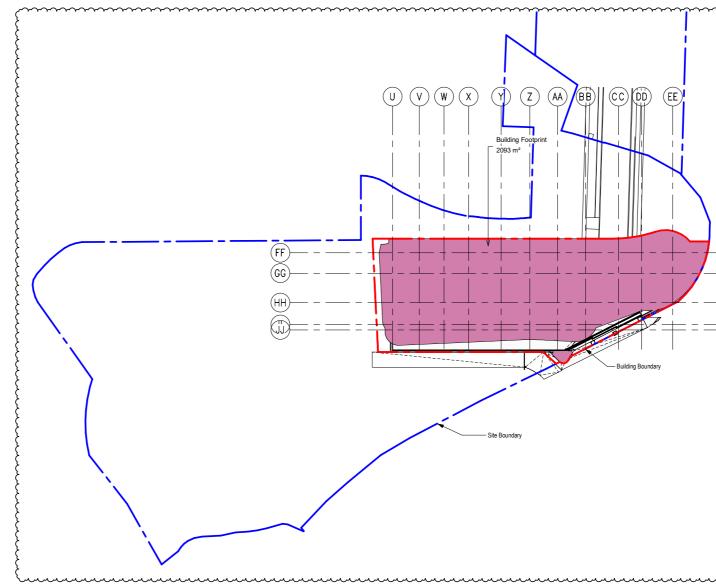
Appendix C – Preliminary Design Drawings

File Name: C:\Users\yyano\SKY YUTAKA	LTD\319 WSD Building at Diamond Hil	- Documents\02 CAD\01	AR\10_3D\BV-401049-PAB-AR-W.rvt

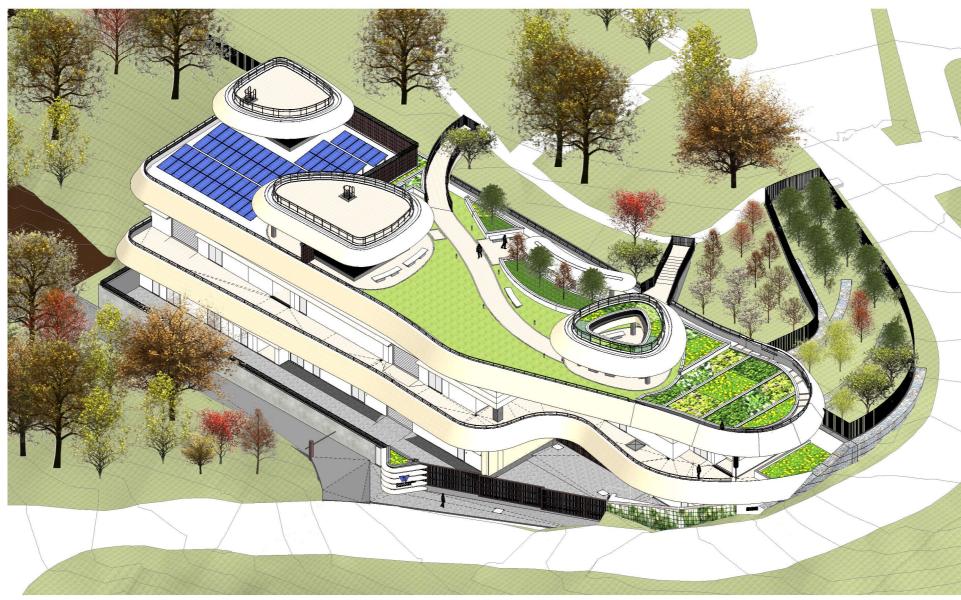
DIAGRAM GREENERY CALCULATION SCALE 1:500



		ROOM SCHEDULE			
Number	Name	Area	Perimeter		Level
RG01	BUILDING FS PUMP ROOM	22.06 m ²	19.67 m	GROU	ND FLOOR
RG02	36m ³ FS TANK	10.10 m ²	11.95 m	GROU	ND FLOOR
RG03	36m3 FS TANK	9.34 m ²	11.46 m	GROU	ND FLOOR
RG04	TUNNEL FS PUMP ROOM	~ 80.1172~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	∽ GROU	ND FLOOR
RG05	FS CONTROL ROOM	21.13 m ²	19.04 m	GROU	ND FLOOR
RG06	SUPPLY AIR CONCRETE DUCT F/A	my244men	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	GROU	ND FLOOR
RG07	SUPPLY AIR CONCRETE DUCT	110.22 m ²	51.31 m	GROU	ND FLOOR
RG08	-	10.19 m ²	16.98 m	GROU	ND FLOOR
RG09	TUNNEL VENTILATION FAN ROOM 1	270.24 m ²	66.37 m	GROU	ND FLOOR
RG10	SUPPLY AIR CONCRETE DUCT	197.55 m ²	95.19 m	GROU	ND FLOOR
RG11	WATER METER ROOM	7.54 m ²	13.30 m	GROU	ND FLOOR
RG12	CAPACITOR ROOM	10.22 m ²	12.96 m	GROU	ND FLOOR
RG13	BATTERY ROOM	10.56 m ²	13.08 m	GROU	ND FLOOR
RG14	-	26.79 m ²	25.76 m	GROU	ND FLOOR
RG15	-	10.11 m ²	12.74 m	GROU	ND FLOOR
RG16	LV SWITCH ROOM	~133.957#~~		∽ GROU	ND FLOOR
RG17	CLP TX ROOM 1	59.03 m ²	32.48 m	GROU	ND FLOOR
RG18	CLP TX ROOM 2	~59:05mm	maggggg	GROU	ND FLOOR
R101	PLENUM ,	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~1460m~~		T FLOOR
R102	- }	10.15 m ²	12.96 m	FIRS	T FLOOR
R103	PRESSURIZATION FAN ROOM	Light war	~ 24.49 m \sim	C FIRS	T FLOOR
R104	SUPPLY AIR CONCRETE DUCT T/B	14.25 m ²	16.25 m	FIRS	T FLOOR
R105	-	8.06 m ²	11.81 m	FIRS	T FLOOR
R106	SUPPLY AIR CONCRETE DUCT	13.21 m ²	15.69 m	FIRS	T FLOOR
R107	PRESSURIZATION FAN MCC ROOM	16.29 m ²	17.21 m	FIRS	T FLOOR
R108	PUMPING ROOM	45.01 m ²	27.58 m	FIRS	T FLOOR
R109	SUPPLY AIR CONCRETE DUCT F/B	14.55 m ²	16.15 m	FIRS	T FLOOR
R110	EXHAUST CONCRETE DUCT	123.71 m ²	75.68 m	FIRS	T FLOOR
R111	TUNNEL VENTILATION FAN ROOM 2	257.34 m²	65.49 m	FIRS	T FLOOR
R112	EXHAUST AIR CONCRETE DUCT	77.77 m ²	42.15 m		T FLOOR
R113	CORRIDOR	85.61 m ²	73.77 m	FIRS	T FLOOR
R114	STORE ROOM	31.20 m ²	22.57 m	FIRS	T FLOOR
R115	TOILET	10.87 m ²	13.77 m	FIRS	T FLOOR
R116	\sim	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	FIRS	T FLOOR
R117	FAN ROOM	46.69 m ²	32.09 m	FIRS	T FLOOR
R118	WSUPPLY ARPLEND	M39.80mm	129:04m		T FLOOR
R119	PLC ROOM	71.79 m ²	35.91 m		T FLOOR
B120~~	GENSET ROOM	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~	~~~ ³³ 71-W~~~		THOOR
R121	TBE ROOM	13.42 m ²	14.59 m		T FLOOR
RROT	SOPPLY AIR PLENUM	44.83 m	27.35 m		opuni
RR02	EXHAUST AIR CONCRETE DUCT	45.40 m ² 438.37 m ²	27.60 m 92.10 m	F	ROOF



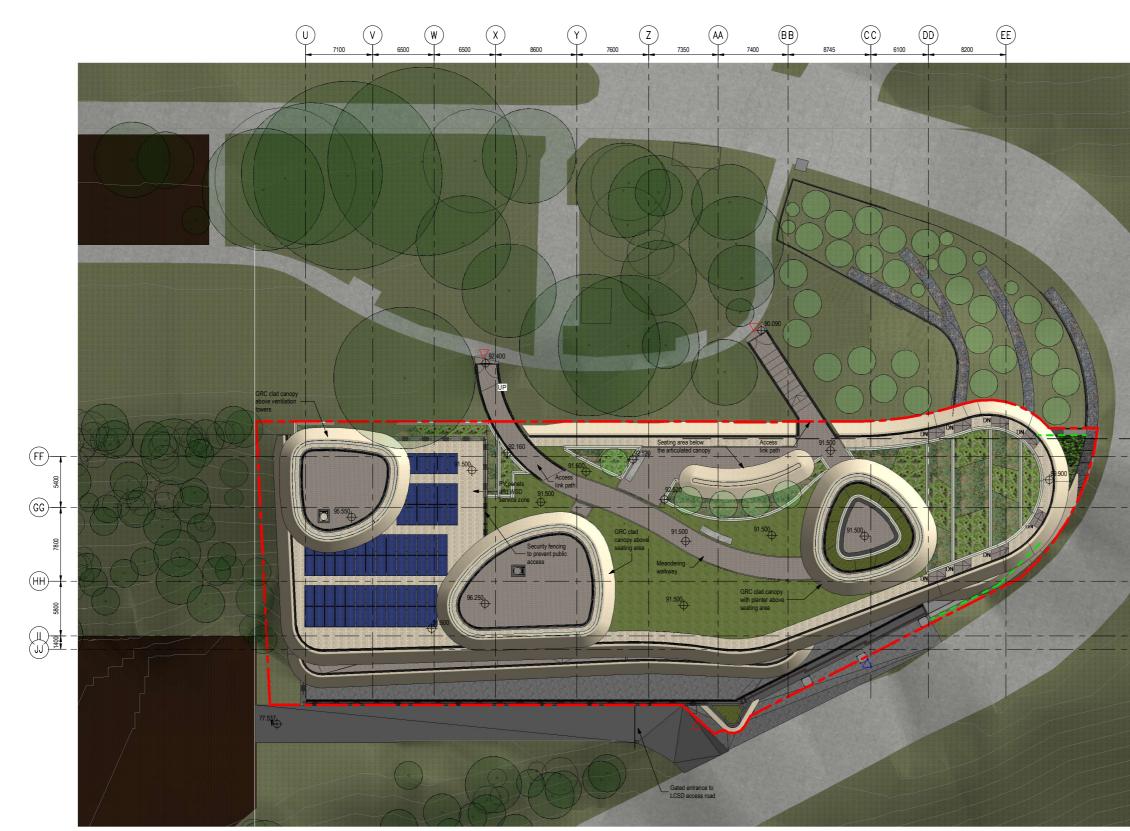
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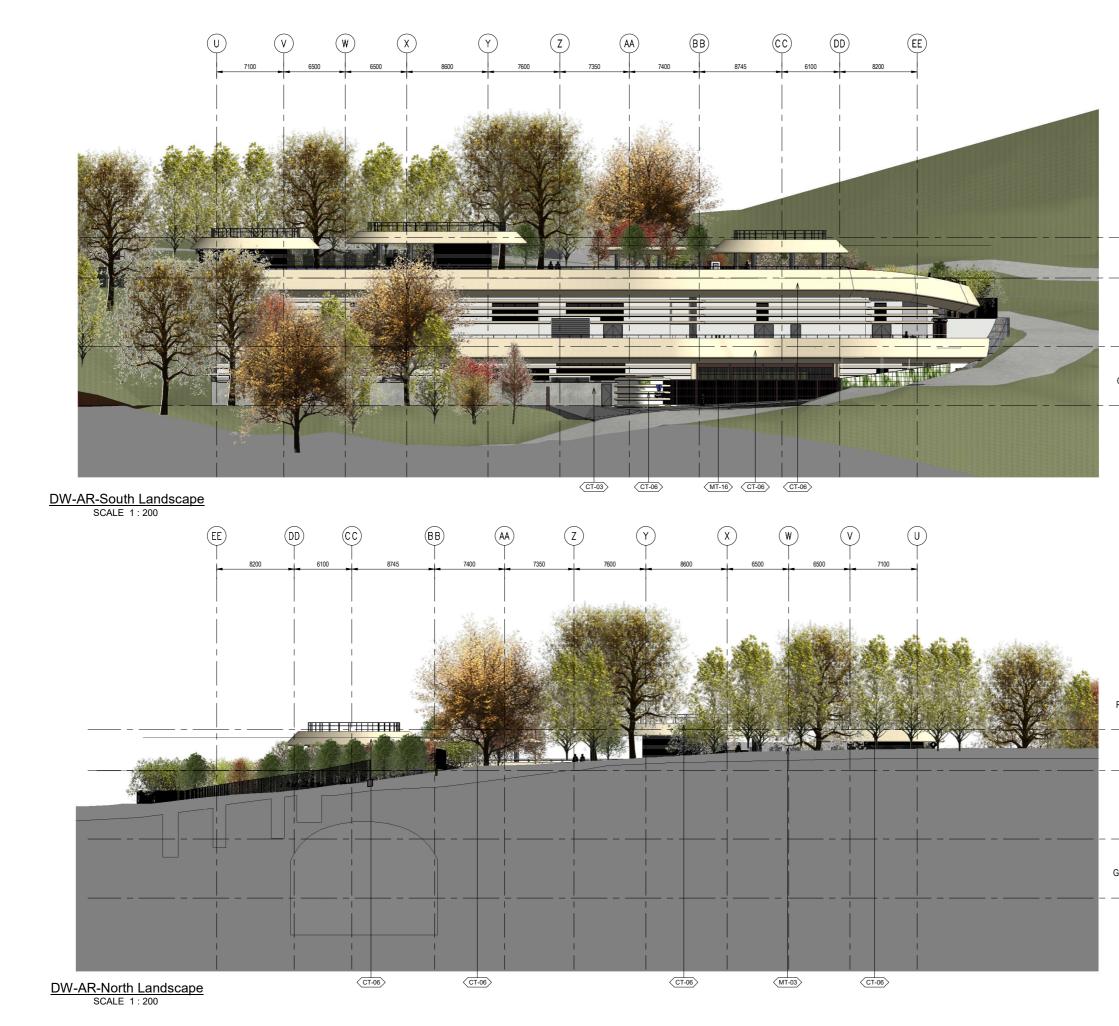
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1. THE ARCHITECTURAL AND LANDSCAPE DESIGN OUTSIDE THE SITE BOUNDARY OF PAB IS VISUALISED FOR REFERENCE ONLY ON CONNECTIVITY OF THE SITE Entrance / Exit vice Access reen Wall Climber Plant Type, at level GF Checked Drawn Checked SC CW KL 11/23 11/23 11/23 21 / WSD / 21 ION OF DIAMOND HILL TER AND SALT WATER SERVOIRS TO CAVERNS JRAL LAYOUT PLAN, LANDSCAPE PLAN Revision 21/SK0070 -A1 As indicated 水務署 Water Supplies Department binnies

NOTES :



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1ST ISSUE OF TENDER SKYY Checked Drawn Checked TL SKYY 01/22 01/22 01/22 RELOCATION OF DIAMOND HILL FRESH WATER AND SALT WATER SERVICE RESERVOIRS TO CAVERNS

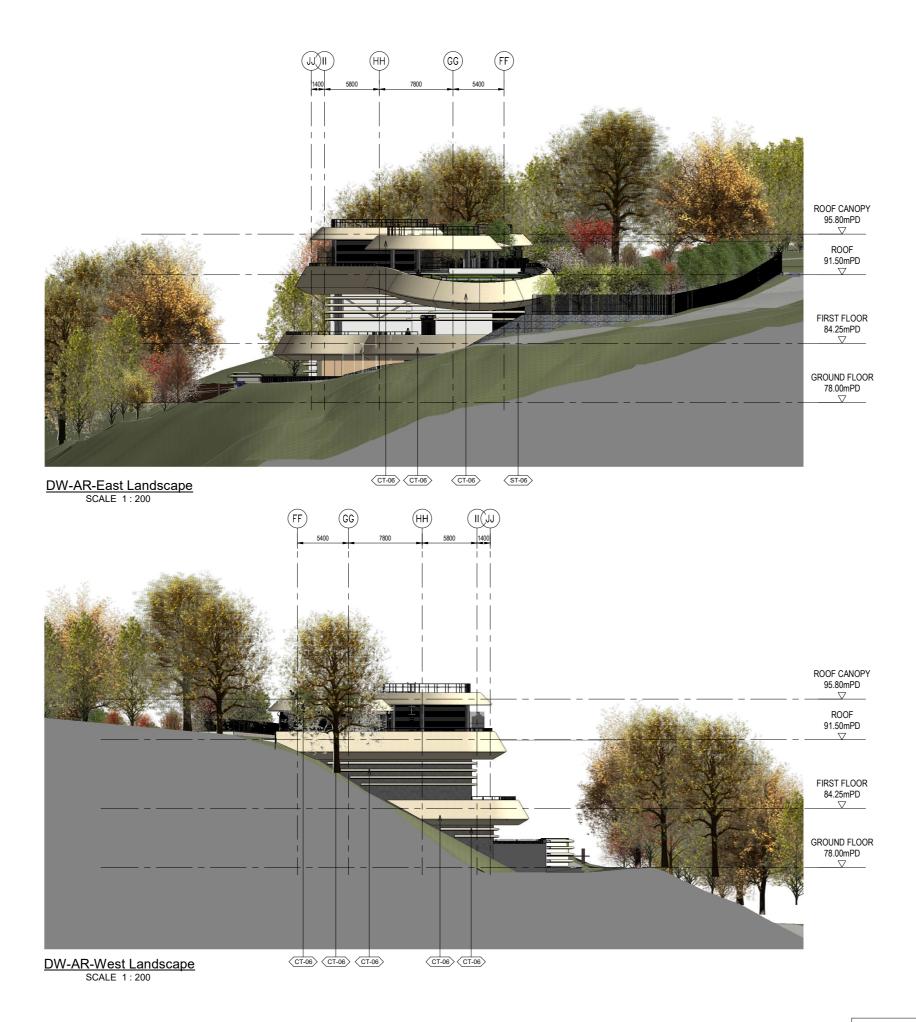
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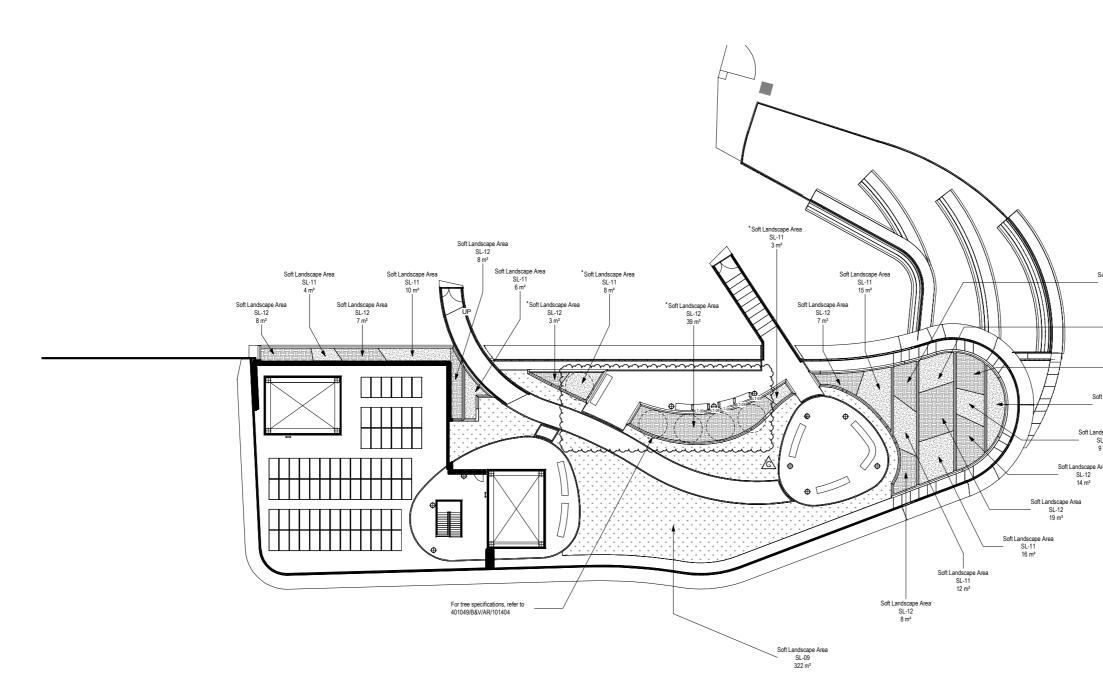
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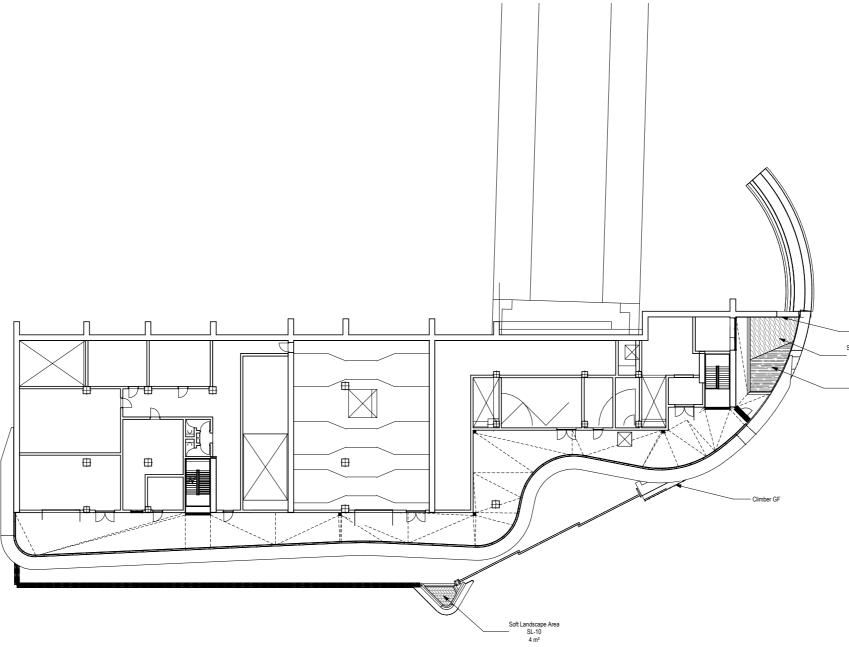
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SOFT LANDSCAPE SCHEDULE ROOF
SCALE 1:200

			GROUNDCO	/ER		
MARK	SCIENTIFIC NAME	CHINESE NAME	SIZE (mm)	SPACING (mm)	AREA	QUANTITY
SL-09	Stipa grandis	蔓花生	100 x 100	100	322 m²	36620
			SHRUB			
MARK	SCIENTIFIC NAME	CHINESE NAME	SIZE (mm)	SPACING (mm)	AREA	QUANTITY
SL-11	Tarenaya hassleriana	醉蝶花	500 x 450	500	108 m ²	540
	Asclepias curassavica	馬利筋	500 x 450	500	133.5 m ²	670

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	SL-12 14 m²	C B	04/22 03/22	TENDER ADDE TENDER ADDE		SKYY SKYY
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SOFT LANDSCAPE SCHEDULE GF+1F	
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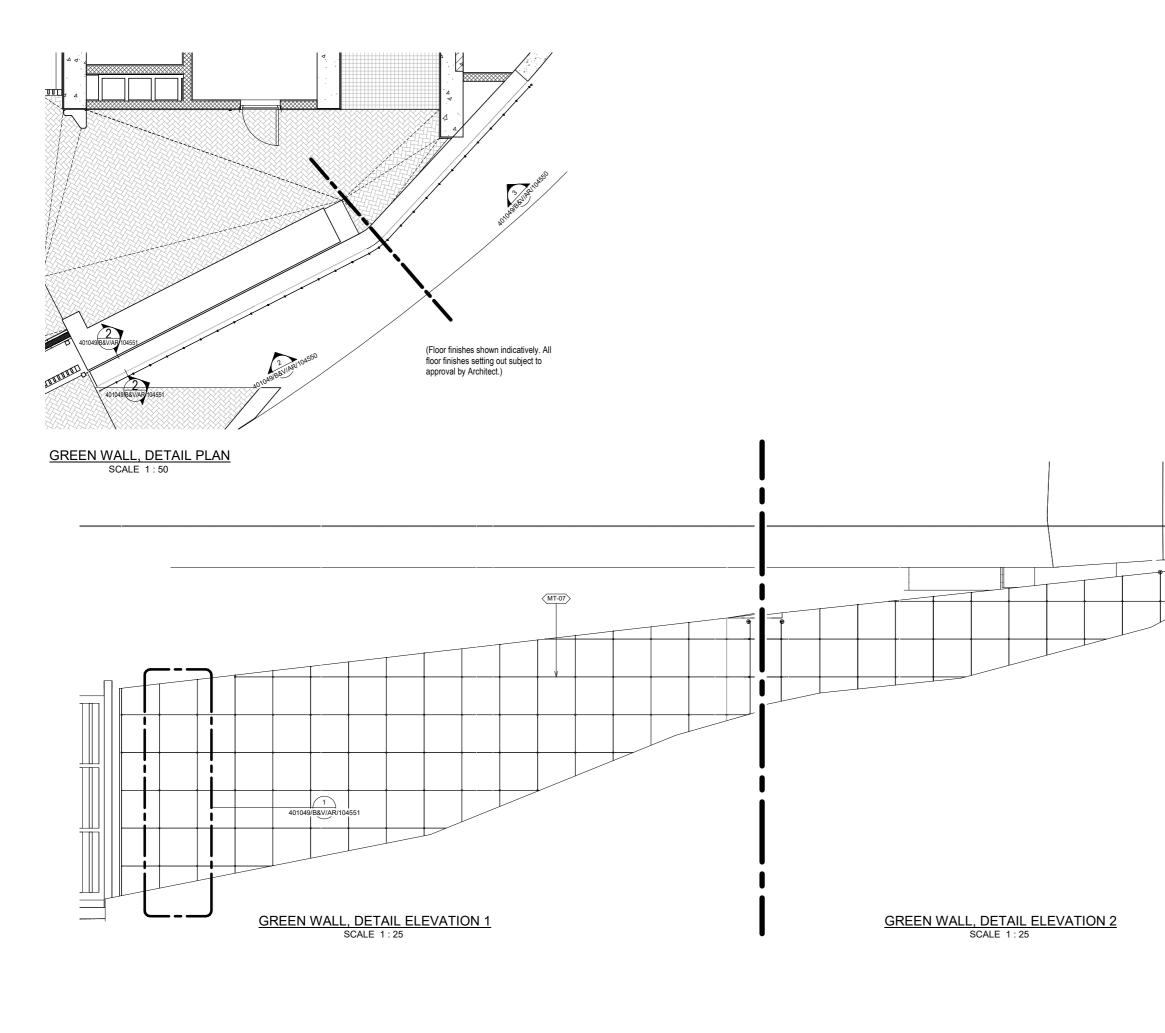
			SHRUBS			
MARK	SCIENTIFIC NAME	CHINESE NAME	SIZE (mm)	SPACING (mm)	AREA	QUANTITY (N
SL-10	Bougainvillea spectabilis	簕杜鵑	800 x 800	800	4.2 m ²	10
SL-13	Fatsia japonica	八角金盤	900 x 600	500	14.2 m ²	30
SL-14	Ficus macrocarpa var.crassifolia	火山榕	1200 x 1000	1000	17 m ²	20
			CLIMBER			
LOCATION	SCIENTIFIC NAME	CHINESE NAME	SIZE (mm)	SPACING (mm)	AREA	QUANTITY (N
GF CLIMBER	Lonicera japonica	忍冬 (金銀花)	1000 x 450	450	52 m²	120
1F CLIMBER	Epiprenum aureum	綠蘿	600 x 350	400	13 m ²	60

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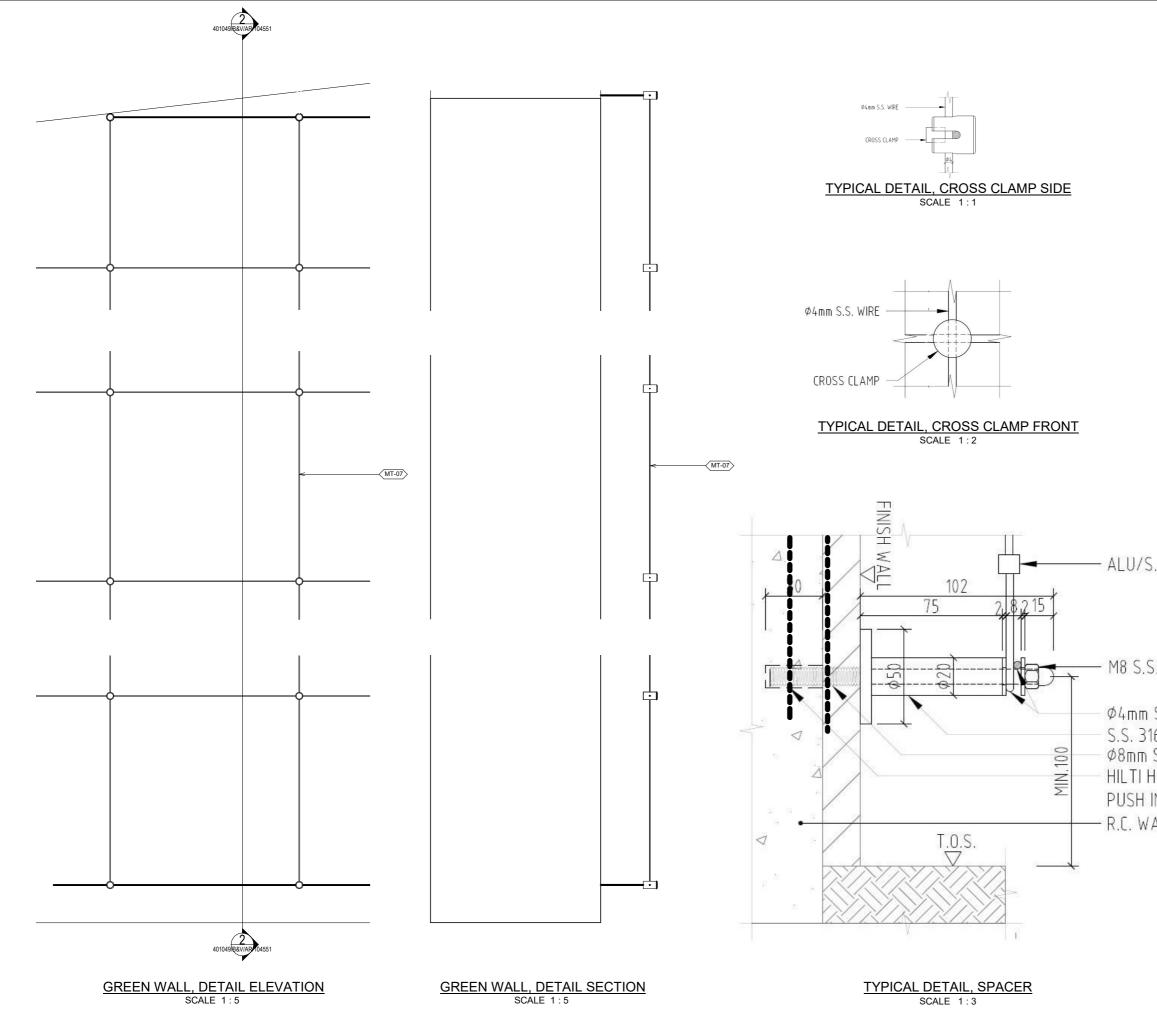
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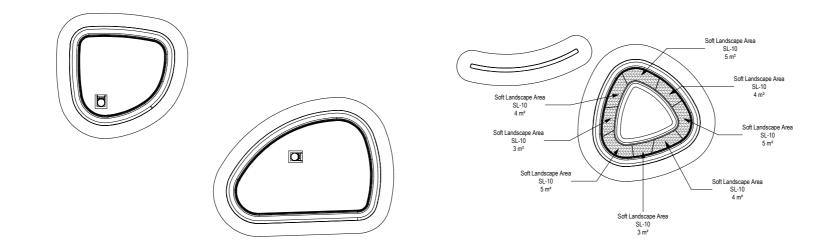
ABBREVIATIONS :



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	ABBREVIATIONS :
	S.R.L. STRUCTURAL ROOF LEVEL S.F.L. STRUCTURAL FLOOR LEVEL S.B.L. STRUCTURAL BASEMENT LEVEL
	R.G.L. RAISED GROUND LEVEL F.G.L. FINISHED GROUND LEVEL
	F.W. FRESH WATER DN, dn NOMINAL DIAMETER
	D.I. DUCTILE IRON C.I. CAST IRON
	PA PLANTER AREA
	NOTES :
	1. FOR GENERAL NOTES AND LEGENDS, PLEASE REFER TO DRAWING NO. 401049/B&V/AR/000001
	2. THIS DRAWING TO BE READ IN CONJUNCTION WITH
	DRAWING SERIES NO. 401049/B&V/AR/101500-101600s'.
A	MATERIAL LEGEND :
	CT47)         PRE-CAST CONCRETE MODULE         (PT47)         NATTE PRIME MULLION PANT (EXTERNAL)           CT472)         COMMA STONE         (PT47)         SKON PANT PRIME           CT474)         COMMENT BALL (BLARD MARKED)         (PT47)         PANT TINNEH IN CONCRETE BRUCLIRE           CT474)         COMMENT BALL (BLARD MARKED)         (PT47)         PANT TINNEH IN CONCRETE BRUCLIRE           CT474)         COMMENT BALL (BLARD MARKED)         (PT47)         PANT TINNEH IN CONCRETE BRUCLIRE
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	RELOCATION OF DIAMOND HILL FRESH WATER AND SALT WATER
	SERVICE RESERVOIRS TO CAVERNS
	Drawing Title
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	GREEN WALL (Sheet 1 of 2)
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SHRUBS						
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### SOFT LANDSCAPE SCHEDULE ROOF CANOPY SCALE 1:200

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#### Specification for Design, Supply and Installation of Green Roof System

Soft landscape contractor to propose system design with following general requirement for architect and client approval:

- Saves costs by using dramatically less water than conventional greening systems Reduces temperatures of concrete decks by over 30°C Decreases the thermal load of the local environment by transferring heat to vegetation Removes more CO2 from the atmosphere through photosynthesis Offers flexibility around loading constraints by tailoring soil depth, as required

The Lightweight proprietary green roof system shall comprise:
(1) Drainage composite for drainage and water retention;
(2) Water Storage unit to retain water;
(3) Root barrier to prevent roots from penetrating to the waterproofing membrane system;
(4) Protection layer to protect the waterproofing membrane;

Contractor to observe and comply with the following codes and relevant standards including: BS 8616:2019 (Specification for performance parameters and test methods for green roof substrates); BS6229:2018 Flat roofs with continuously supported flexible waterproof covering; relevant structural design criteria, as per BS EN 1990:2002 "Eurocode- Basis of Structural Design; Dead and imposed loads to be calculated in accordance with BS EN 1991-1-1, BS EN 1991-1-3 and BS EN 1991-1-4; Densities, self-weight, imposed loads for buildings (BS EN 1991-1-12002) and ASTM codes; CE-marked and BS EN 13252 and current Hong Kong dandards standards.

#### The Green Roof System shall consist of the following requirements:

Water storage units (drainage composite) A lightweight and high strength water retention and drainage tray manufactured from fully recycled and recyclable plastics using injection moulding process. The trays shall be locked and interlinked. The configuration of each reservoir tray to ensure that it fills evenly throughout and that any excess water overflowing from a single tray shall be cut on-site to match the rooftop design's requirements.

- Water storage volume: Standard type = 34L/m2
   Melt flow: 5-60g/10min
   Relative density: 0.89 0.95
   Modulus of elongation: 600 2.000MPa
   Tensile yield point stress: 10-45mPa
   Charpy impact strength (236g): 1-20k/lm2
   Compressive load test: greater than 450kN/m2

Regenerated Charcoal Charcoal layer to be installed above the water storage units and below the soil to absorb water vapour from the air gap and to feed water steadily to the roots above.

- · Unused wooden material (ie. driftwood, thinned forest wood, formwork) is used
- Onused wooden material (ie. dnitwood, trimmed forest wood, Surface area: above 370m2/g.
   Minimum spontaneous combustion temperature of 400deg.
   All charcoal to be sealed within individual bags

waterproofing laver/concrete screed.

- Material; high-density polyester
   Allow water to enter and exit the system but roots cannot penetrate through to the
  reach reservoir trays
   Strength shall not decrease when immersed in water or soil
- Strengtin snail noti decrease when immersed in water Thickness: 0.1mm Tensile strength: vertical 648 x horizontal 585N/5cm Degree of elongation: 29 x 29% Tear strength: 18 x 180 Coefficient of permeability: 4.8x 10-4 cm/sec

 Resin Net

 Resin net to be installed above the water storage units together with the root barrier layer.

 • Material: high density polyethylene

 • Met Rive: (1 - 1.0g/10min

 • Relative density: 0.94 - 0.96

- Estimated usable temperature: -060deg to 100degC Number of threads: 260 / 100cm
- Shielding ratio: 42%
   Yield point strength: greater than 2,740N/m
   Loop strength: greater than 196N/thread

#### Hechimaron

- haron Porous medium made from polypropylene resin. Thickness: 2mm Strain rate: 22% (representative value) under 300kPa (30tfm2) compressive load. Surface aperture rate: 80% 97%. Hechimaron has a large area for water-absorption due to its high rate of surface aperture with a wide space for water conduction (porosity rate: 80% 97%) inside its body thus ensuring that the water catchment and drainage conformance loads are high. Performance levels are high).
   The produce to be heat-sealed and no adhesive agents are used.

# 

Root barrier Resin sheet

Mulc

a contraction of the second second

Water storage unit (recycled plastic)

Stored water

Regenerated ch

- Contract

Air gap

Stored water

Water storage unit

Water Storage Unit Types

Standard type (34L/m²)

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Vegetation installation examples		***	-		T

Special soil mix

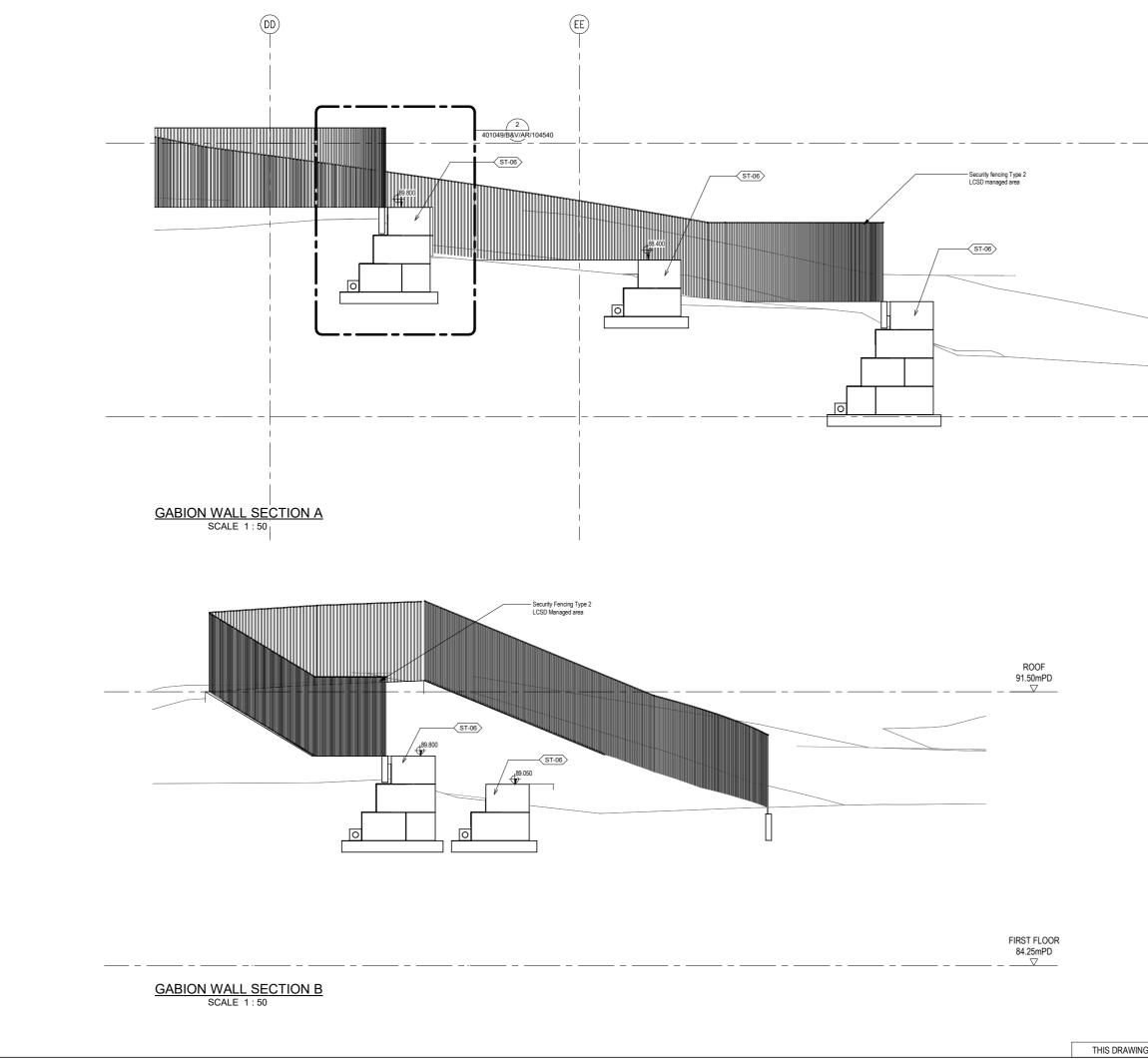
Levelling mate Mulch

Slim type (16L/m²)

- Inter The

#### Root Barrier (protection layer 1) The root barrier to be positioned directly above the high strength reservoir trays thus ensuring that the roots of the vegetation will not come into direct contact with and thus damage the

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Waterproofing Refer to specificati	on for PT-03.					
	tern is adopted, it should be placed directly above the charcoal layer (ie.					
fine weather thus e	<ol> <li>This positioning will help ensure that the upper surface remains dry within nabling more effective rooftop accessibility)</li> </ol>					
surface area of app every 100m2 for ob	It that imgation is required, one (1) hose should be able to manually cover a roximately 200m2 whilst one (1) water gauge would generally be required servation purposes. In case of installation, contractor to allow for rain sensor automatic water timer.					
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Contract No. 21/WSD/21 Relocation of Diamond Hill Fresh Water and Salt Water Reservoirs to Caverns

Appendix D – Landscape and Visual Mitigation Plan

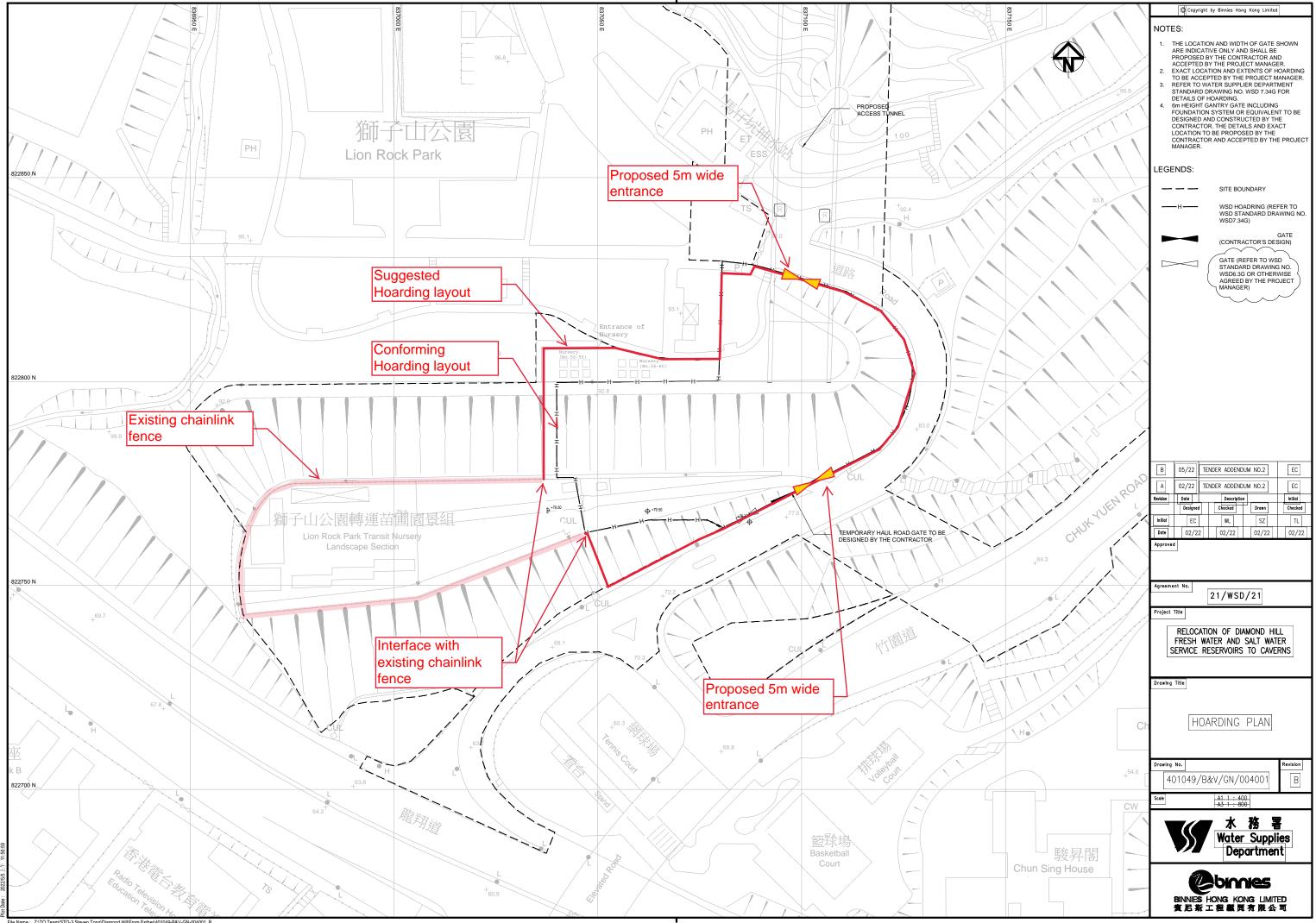


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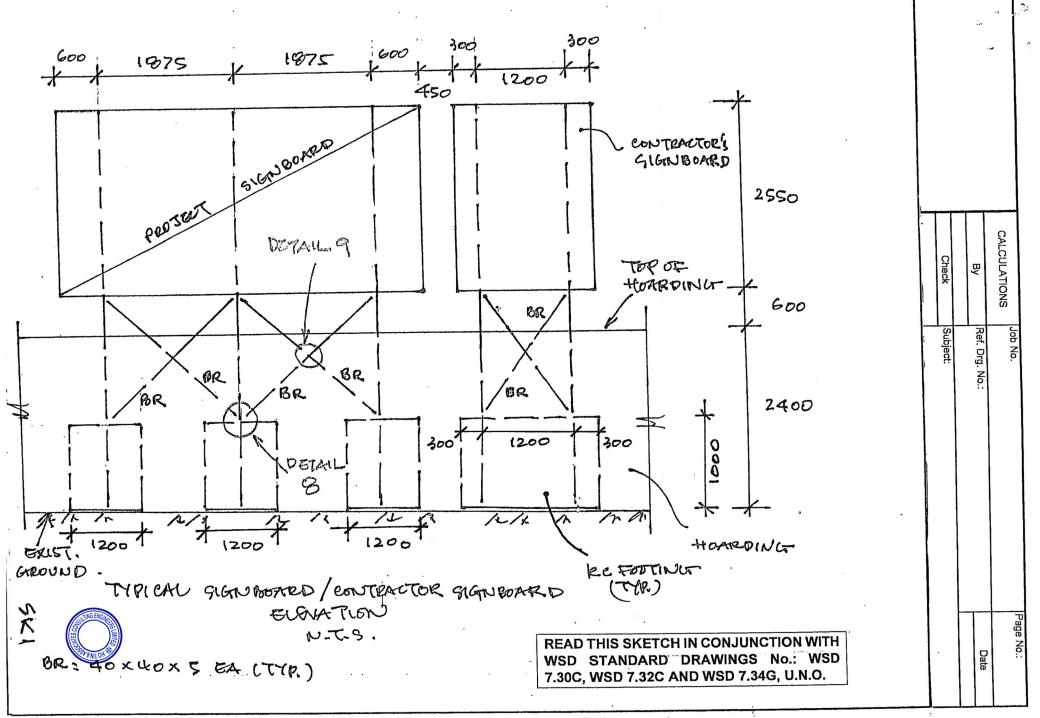
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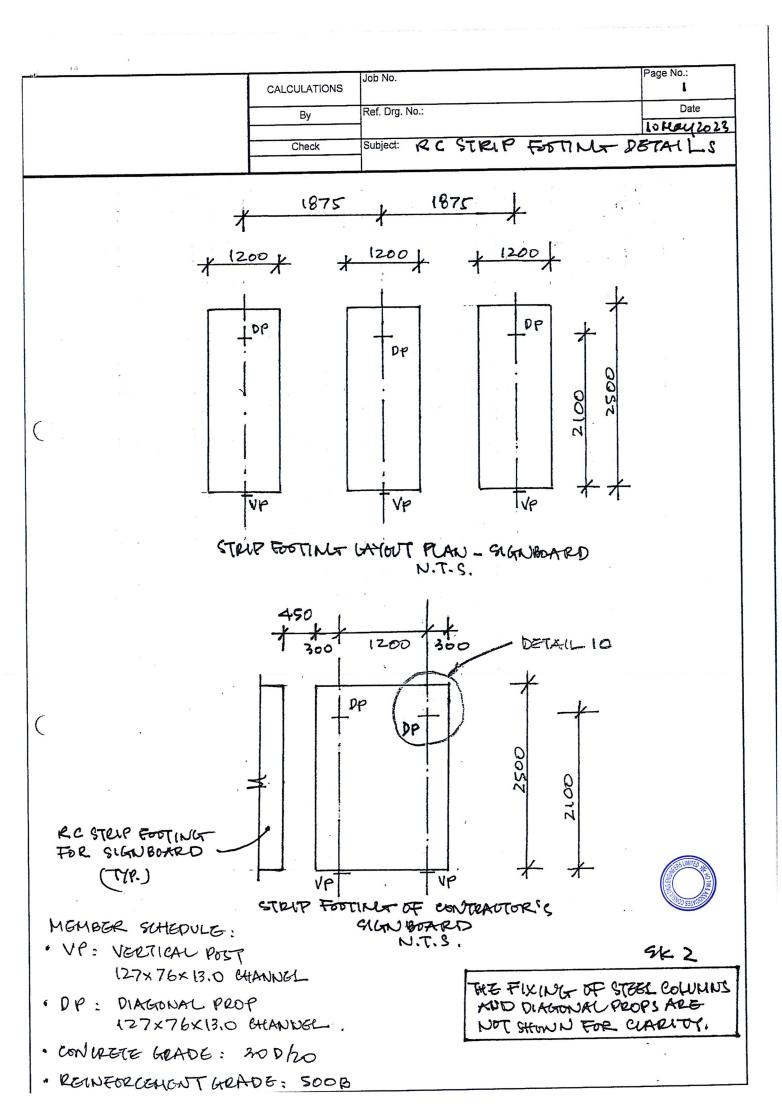
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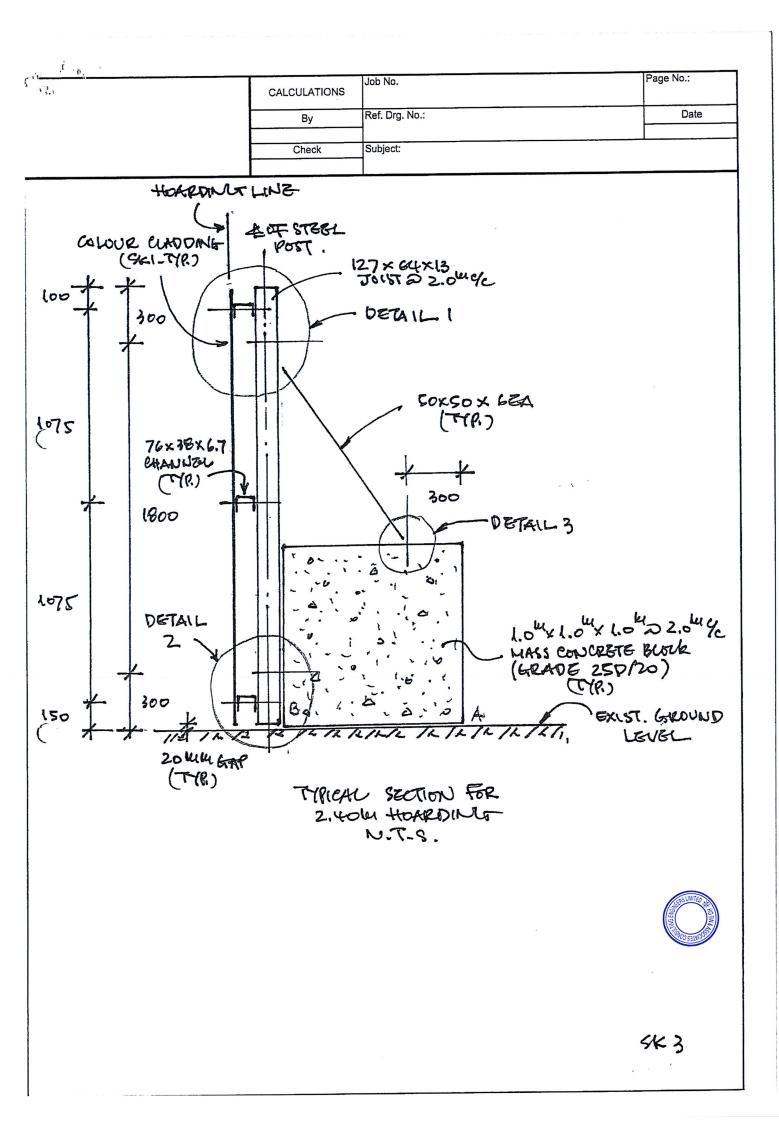
Appendix E – Conceptual Hoarding Plan

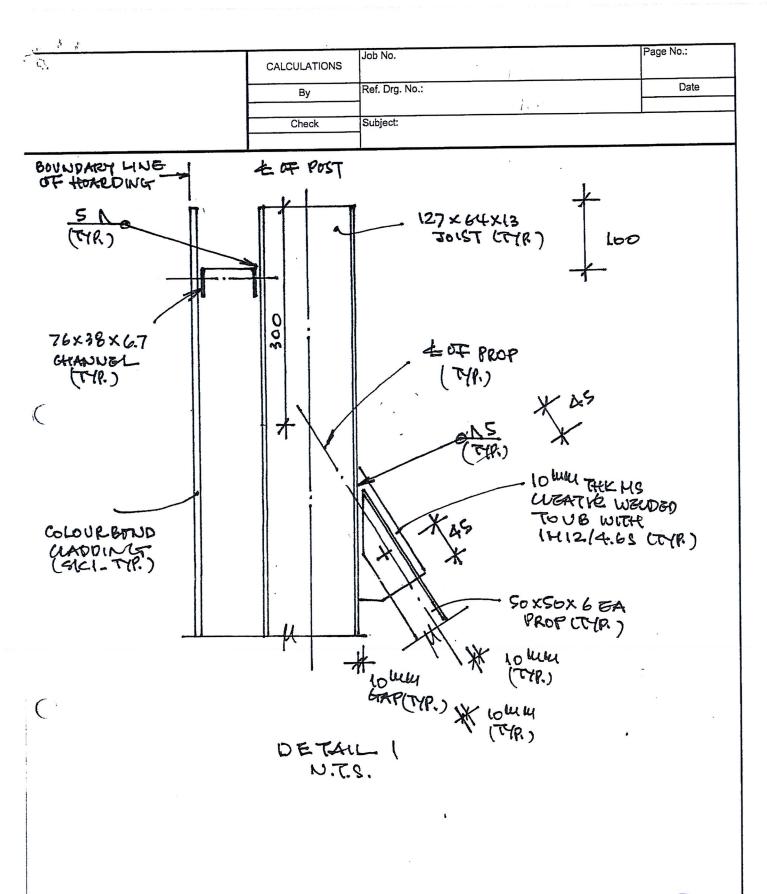


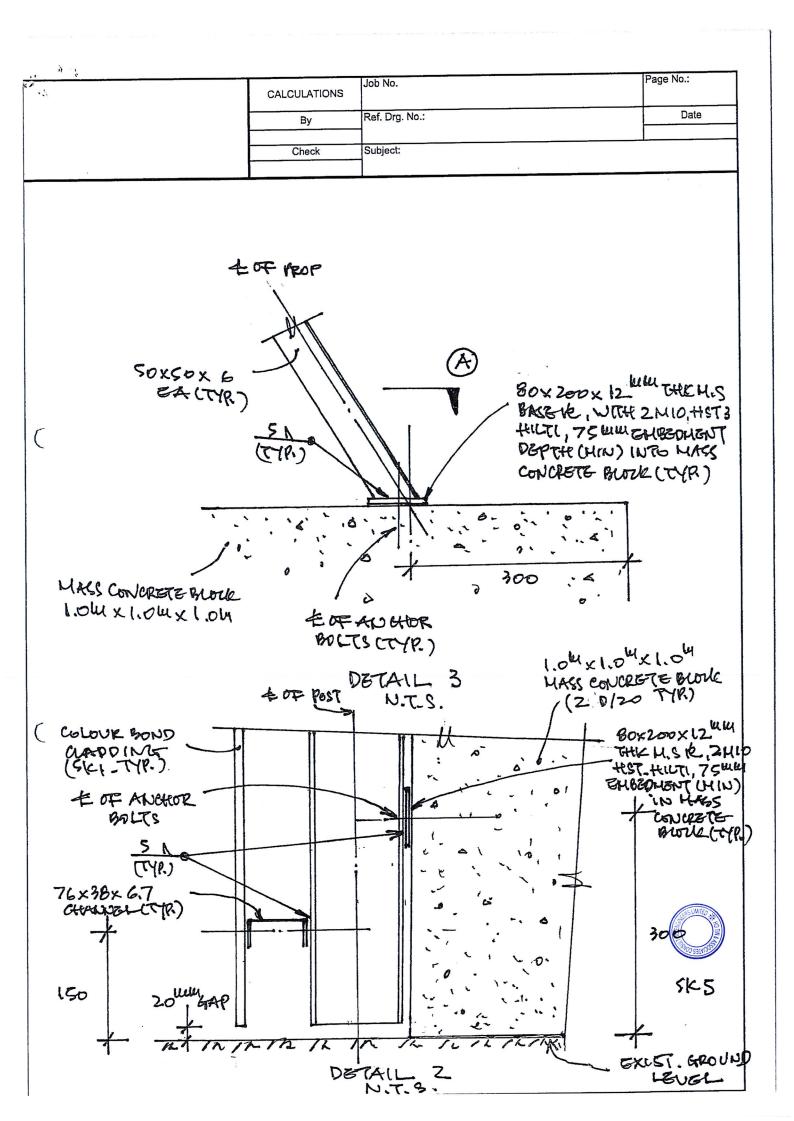
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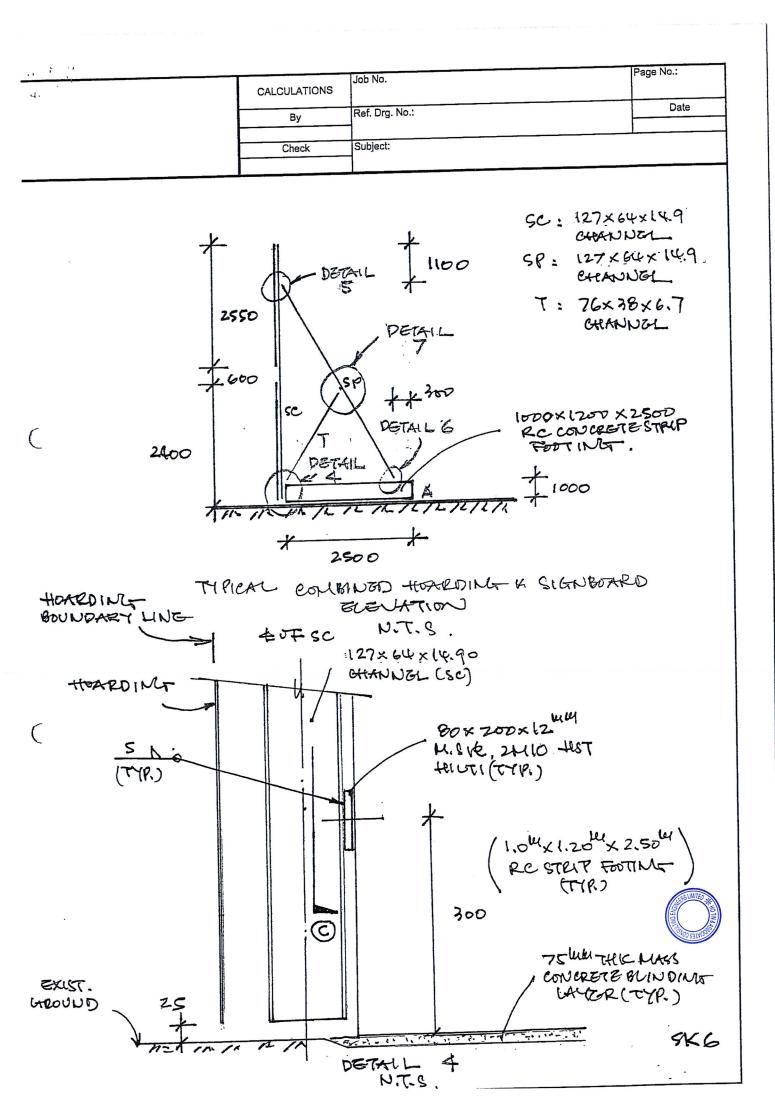


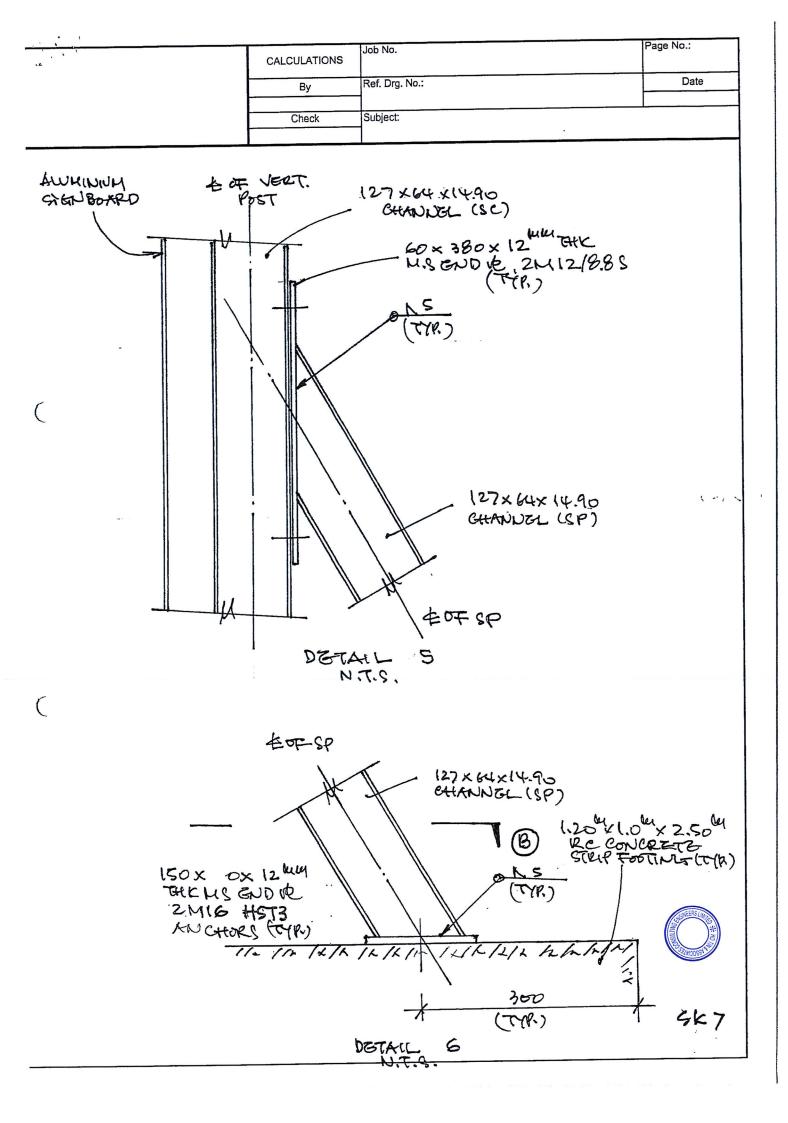


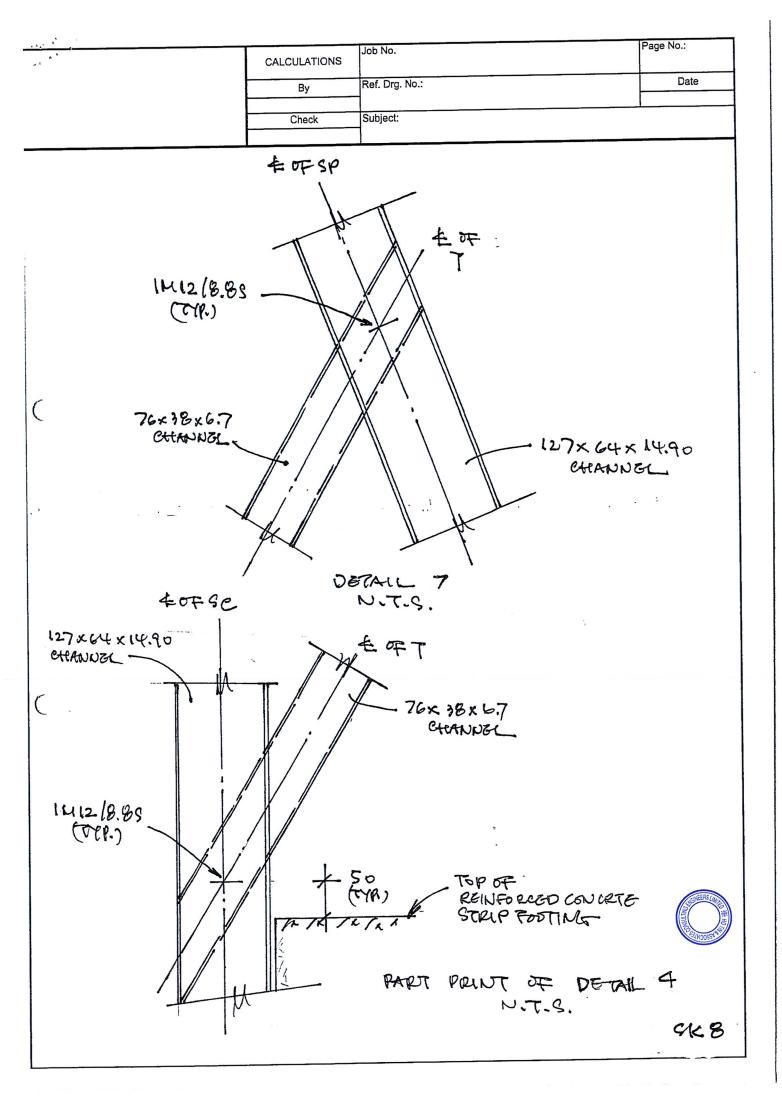




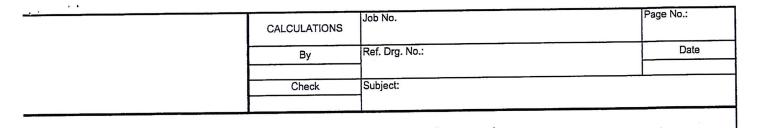


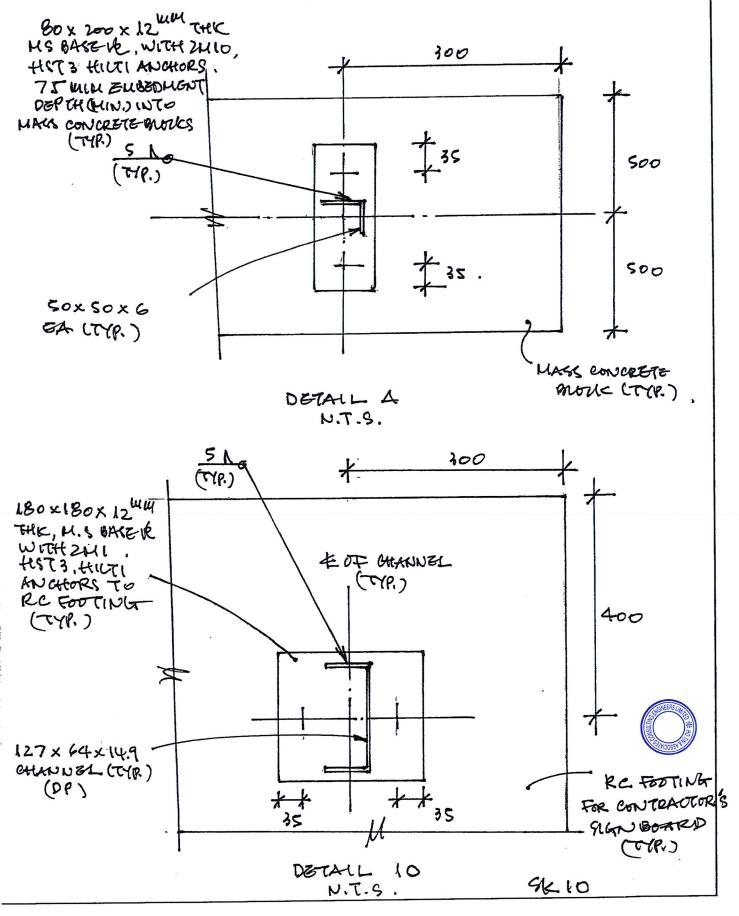


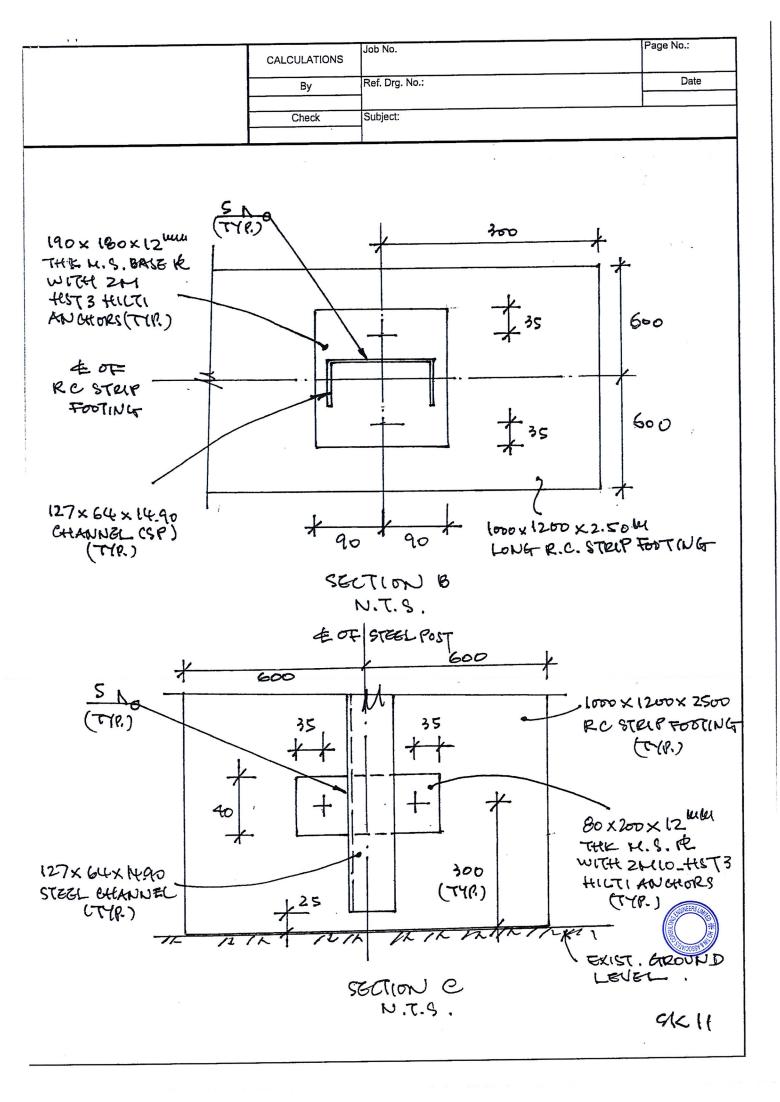


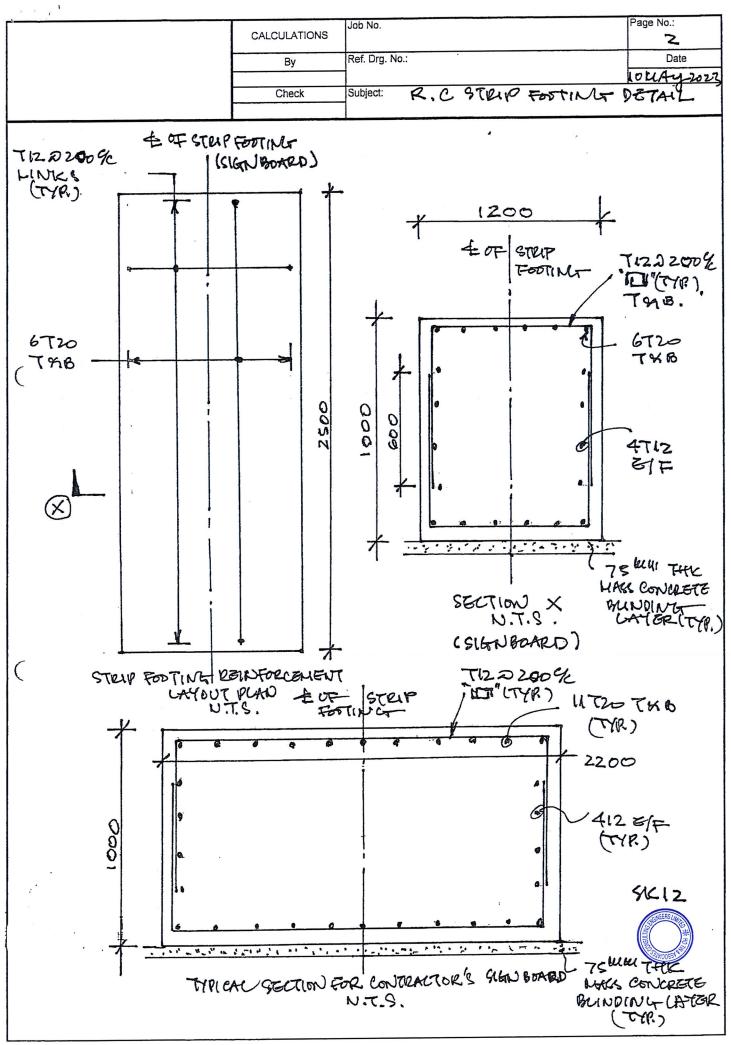


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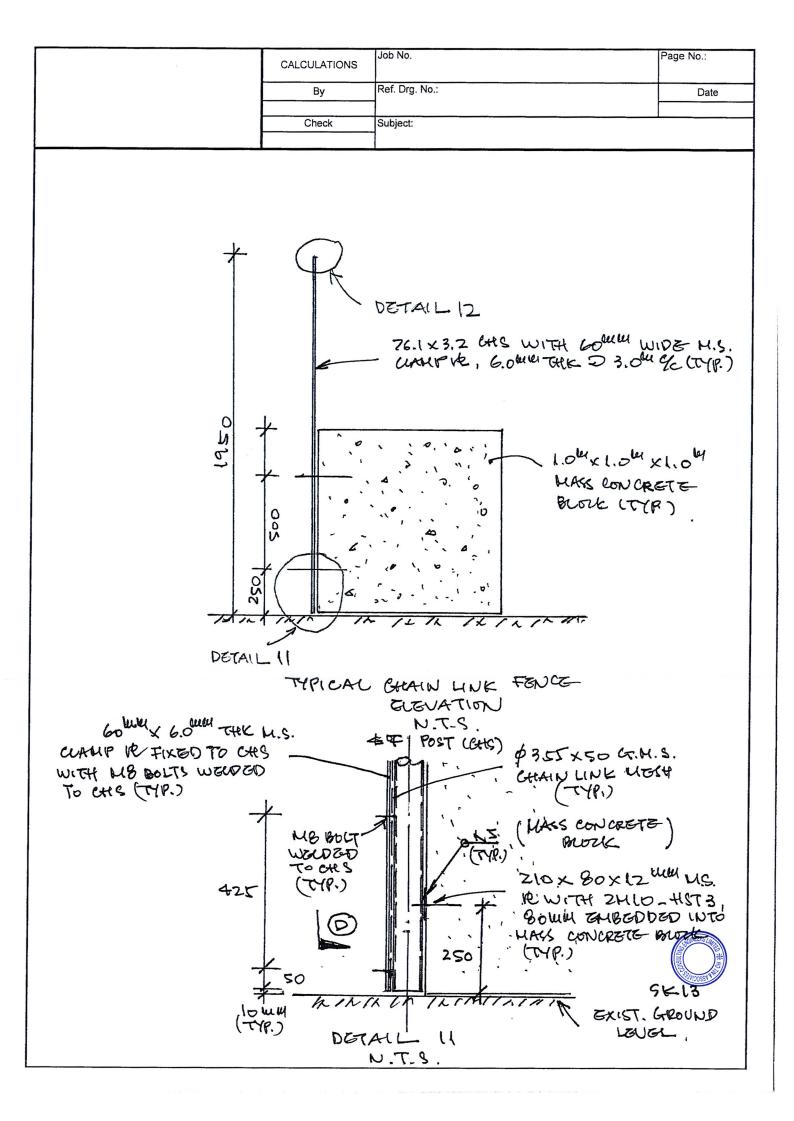


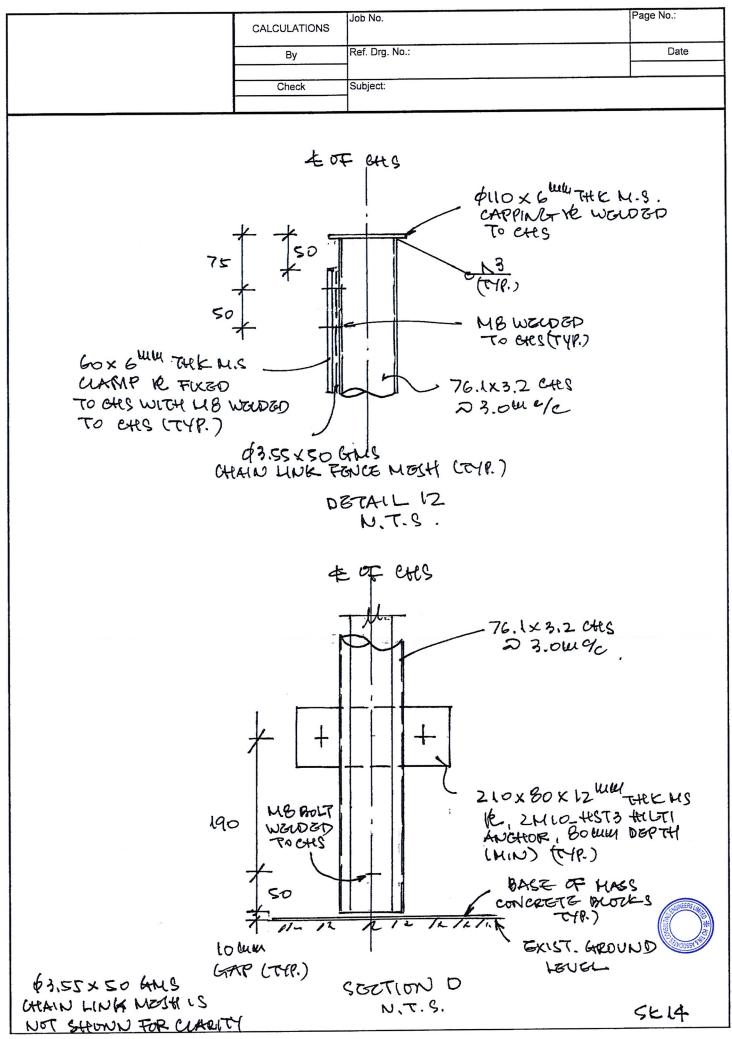




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# **GENERAL NOTES**

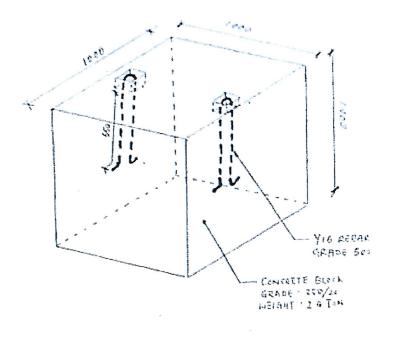
- 1. ALL SETTING OUT AND LEVELS SHALL BE VERIFIED ON SITE, U.N.O.
- 2. ALL STRUCTURAL STEEL MEMBERS AND PLATES SHALL BE GRADE S275 OR HIGHER.
- 3. ALL REINFORCEMENT SHALL BE GRADE 500B WITH psy = 500.0MPa MINIMUM, U.N.O.
- 4. CONCRETE COVER SHALL BE 75mm FOR BOTTOM REINFORCEMENT AND 45mm TO TOP AND SIDE FACES REINFORCEMENT LAYER
- 5. ALL STRUCTURAL STEEL MEMBERS AND PLATES SHALL BE PAINTED WITH RUSTED PROOF PIANT SYSTEM, U.N.O.
- 6. ALL CLEAT PLATES, BASE PLATES SHALL BE 12.0mm THICK, U.N.O.
- 7. ALL STRUCTURAL BOLTS SHALL BE M12/8.8S, GALVANISED, U.N.O.
- ALL HOLDING DOWN BOLTS SHALL BE M10 HST3-R, GALVANISED, HILTI WITH MIN EMBEDMENT DEPTH OF 75mm INTO EXISTING CONCRETE BLOCKS, U.N.O.
- 9. ALL WELDINGS SHALL BE 5.0mm CONTINUOUS FILLET WELD, ALL ROUNDS WITH MAX. DESIGN SHEAR STRESS OF 220.0MPa, U.N.O.
- 10. PROVIDE PACKERS TO SUIT BETWEEN END PLATES AND EXISTING STRUCTURAL RC ELEMENTS.
- 11. CONCRETE GRADE SHALL BE GRADE 30D/20 ADOPTED FOR THOSE EXISTING STRUCTURAL R.C. ELEMENTS, U.N.O.
- 12. ALL METAL CLADDING SHALL BE COLOUR BOND TYPE WITH THE MINIMUM THICKNESS OF 0.5mm, FIXED TO THOSE STEEL CHANNELS WITH SELF TAPPING SCREWS OR APPROVED EQUIVALENT.
- 13. DESIGN DATA
  - a. MAX DESIGN WIND LOADS FOR THE DEISIGN OF THE STEEL SUPPORTING FRAME ARE; 1.59 kPa FOR HOARDING AND CHAIN LINK FENCE, AND 1.85kPa FOR COMBINED SIGNBOARD WITH HOARDING, U.N.O.
  - b. DESIGN LOADS FOR REINFORCEDCONCRETE STRIP FOOTING WAS BASED ON THE MAX. ALLOWABLE GROUND BEARING PRESSURE OF 75.0kPa, U.N.O
  - c. THE MAX DESIGN CRACK WIDTH OF 0.3mm
  - d. ALL BOLTS SHALL BE GRADE M12/8.8S, U.N.O.
  - e. MIN ALLOWABLE SHEAR STRESS FOR FILLET WELD IS qv = 220.0 MPa
  - f. MAX ALLOWABLE BEARING STRESS q = 125kPa, U.N.O.
- 14 REFERENCES:

ALL DESIGN SHALL BE BASED AND COMPILED WITH THE CURRENT BUILDING REGULATIONS AS LISTED FOLLOWS;

- a. CODE OF PRACTICE FOR THE STRUCTURAL USE OF STEEL 2011
- b. CODE OF PRACTICE FOR THE STRUCTURAL USE OF CONCRETE 2013
- c. CODE OF PRACTICE ON WIND EFFECTS IN HONG KONG 2019
- d. Geoguide 1 2020 by GEOTECHNICAL ENGINEERING OFFICE, CEDD, HKSAR



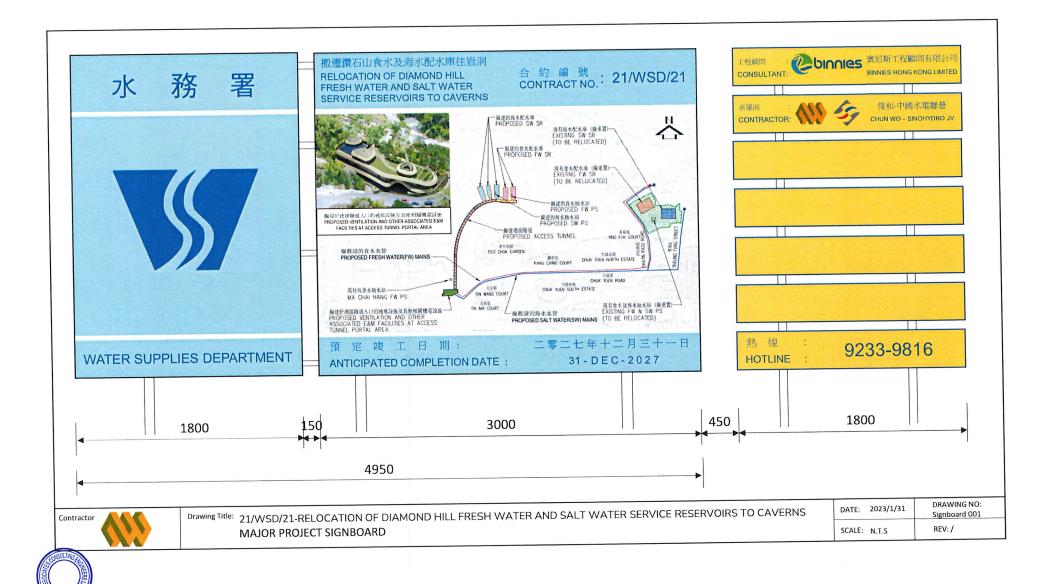
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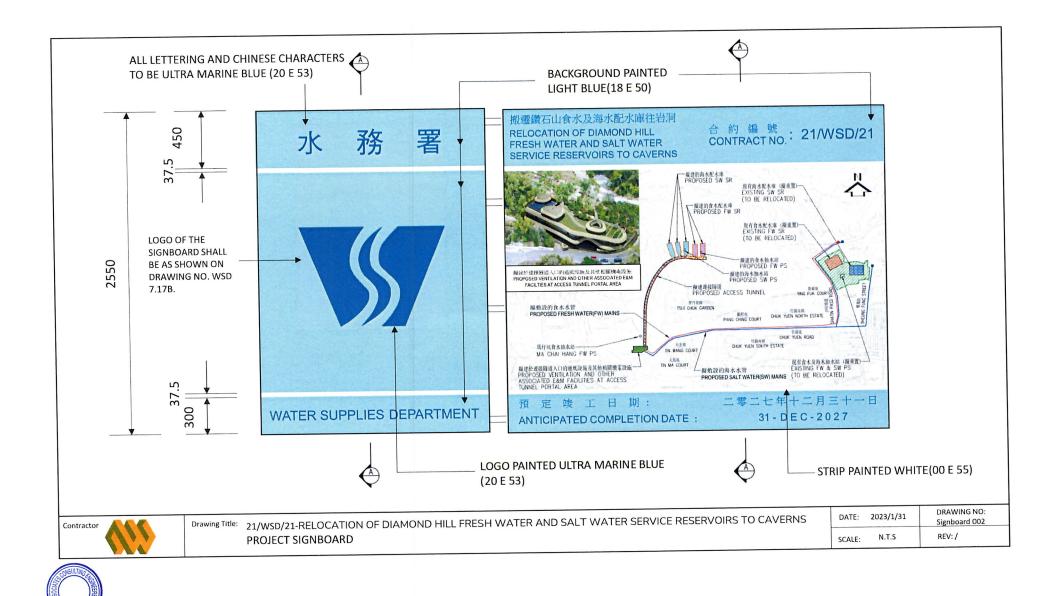


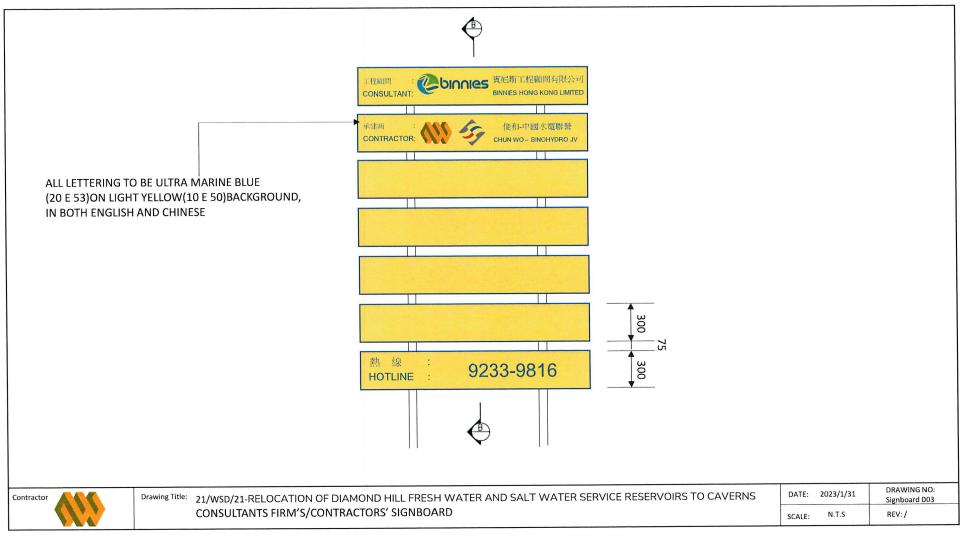
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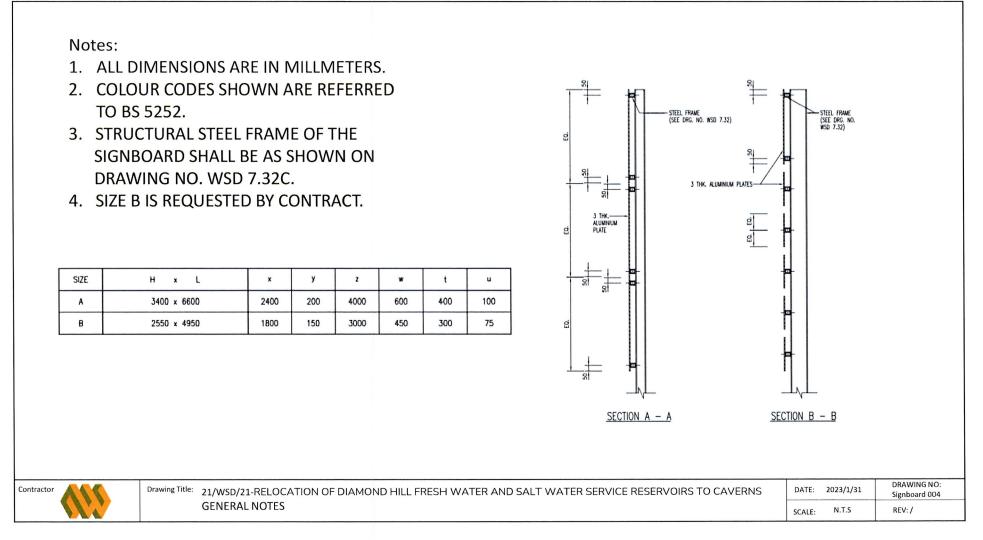






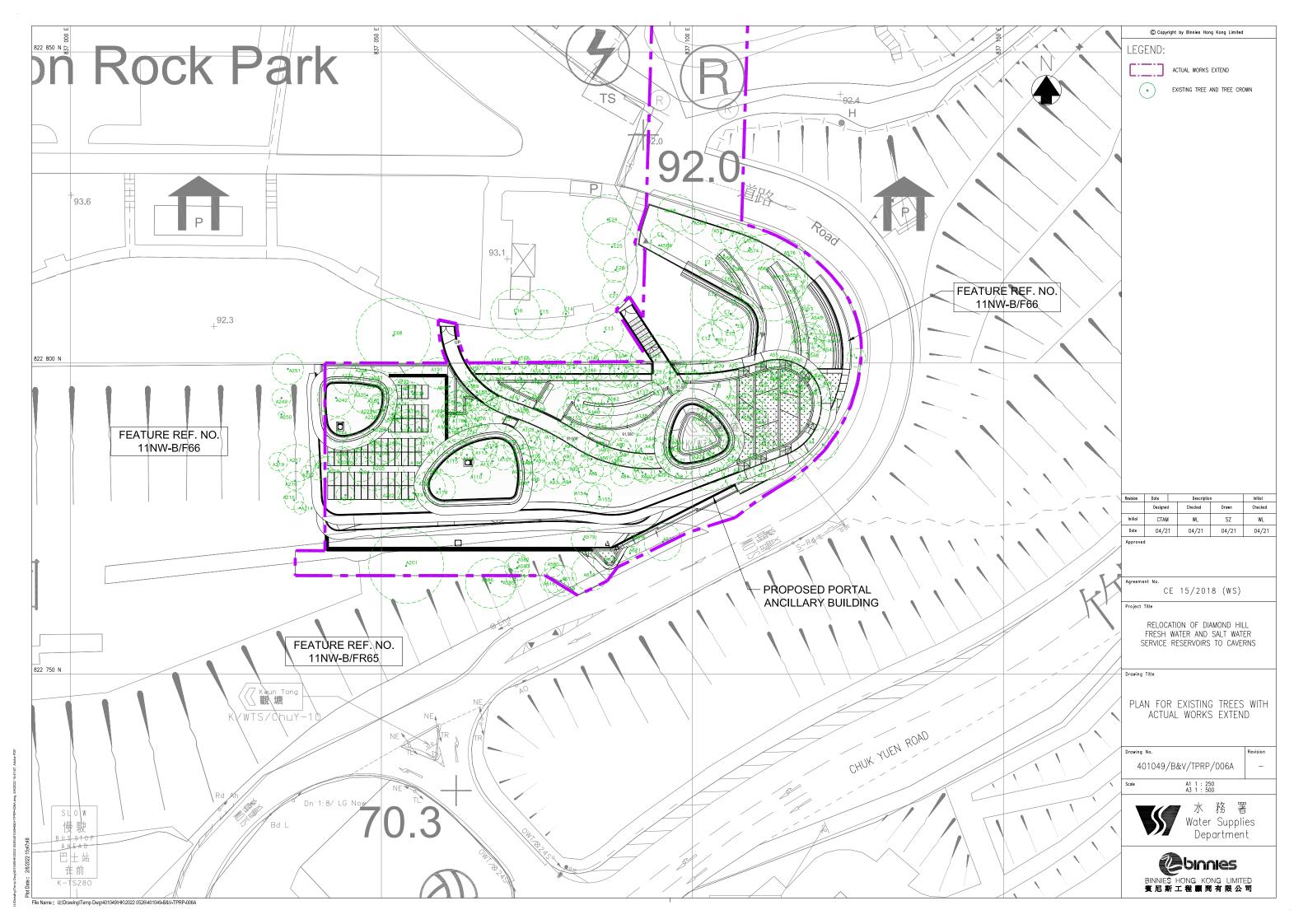


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# Appendix F – Tree Treatment Plans and Tree Assessment Schedule



Tree Assessment Schedule

Date of Tree Survey : 16 February 2023

International         Interna	Level at Base	Coord		Species			Tree Size	•	Amenity value	Form (Good,	Health condition	Structural		Suitability for transplanting	Conservation status** (OVT/ Common Species/ Scheduled under Cap 96/ Protected under Cap 58/ Rare &	Recommendation (Transplant/ Retain/	Remarks
N.         Hole         Orace Trans         Dirac Marting         Dirac Martin Marting         Dirac Martin Marting <th>(mPD)</th> <th>(Northing</th> <th>, Easting)</th> <th>Scientific Name</th> <th>Chinese Name</th> <th></th> <th>Diameter</th> <th>Crown</th> <th>Fair, Poo</th> <th>Fair, ) Poor)</th> <th>(Good, fair, Poor)</th> <th>(Good, Fair, Poor)</th> <th>Medium/</th> <th>Remarks*</th> <th></th> <th></th> <th></th>	(mPD)	(Northing	, Easting)	Scientific Name	Chinese Name		Diameter	Crown	Fair, Poo	Fair, ) Poor)	(Good, fair, Poor)	(Good, Fair, Poor)	Medium/	Remarks*			
Image         Status         Status </td <td>85.46</td> <td>822800.835</td> <td>837126.351</td> <td>Acacia confusa</td> <td>台灣相思</td> <td>7</td> <td>223</td> <td>3</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Low</td> <td>Low survival rate after transplant</td> <td>Common Species</td> <td>Fell</td> <td>Leaning 15 degrees; co-dominant branches; decay at trunk base</td>	85.46	822800.835	837126.351	Acacia confusa	台灣相思	7	223	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees; co-dominant branches; decay at trunk base
Het         Evel         Difference         Difference        Difference	85.64	822794.394	837122.060	Acacia confusa	台灣相思	7	223	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; decay & wound at trunk; restricted root
NA         Birls         Starting         Starting         Starting         Starting         Communication         Communication <td>83.71</td> <td>822787.753</td> <td>837119.403</td> <td>Mallotus paniculatus</td> <td>白楸</td> <td>6</td> <td>159</td> <td>5</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Low</td> <td>Low survival rate after transplant</td> <td>Common Species</td> <td>Fell</td> <td>Leaning 5 degrees; co-dominant branches; exposed root</td>	83.71	822787.753	837119.403	Mallotus paniculatus	白楸	6	159	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 5 degrees; co-dominant branches; exposed root
No.         Mode         Status	82.84	822786.909	837120.934	Sterculia lanceolata	假蘋婆	4	143	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	co-dominant branches
Art         Biol         District         District         Control of a firmingent         Contro of a firmingent         Co	82.16	822783.469	837115.698	Sterculia lanceolata	假蘋婆	4	159	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 5 degrees; co-dominant trunk
No.         Status         United         Index         United         Index         United         Index         Interest Status	84.60	822787.369	837113.171	Acacia confusa	台灣相思	7	255	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; co-dominant trunk; cavity at branches; exposed root
And         Bold         Control         Bold         Control         Contro         Contro         Control <td>85.09</td> <td>822787.838</td> <td>837111.461</td> <td>Acacia confusa</td> <td>台灣相思</td> <td>7</td> <td>111</td> <td>2</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Low</td> <td>Low survival rate after transplant</td> <td>Common Species</td> <td>Fell</td> <td>Leaning 25 degrees; cavity at branches; cross branches with A12</td>	85.09	822787.838	837111.461	Acacia confusa	台灣相思	7	111	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 25 degrees; cavity at branches; cross branches with A12
Ares         Biss         Displays	84.83	822787.356	837111.608	Acacia confusa	台灣相思	8	223	3	Fair	Fair	Poor	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees; abnormal bark crack at trunk
And         Biological         Biological <td>84.83</td> <td>822787.281</td> <td>837109.426</td> <td>Acacia confusa</td> <td>台灣相思</td> <td>6</td> <td>127</td> <td>4</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Low</td> <td>Low survival rate after transplant</td> <td>Common Species</td> <td>Fell</td> <td>Leaning 10 degrees; abrupt trunk</td>	84.83	822787.281	837109.426	Acacia confusa	台灣相思	6	127	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; abrupt trunk
And         Ex1         S2711.00         Masks contain         Optimize         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F         F        F	83.85	822785.440	837109.827	Acacia confusa	台灣相思	7	95	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees; dead branches
Alta         Butta         Buta         Buta <t< td=""><td>82.33</td><td>822782.895</td><td>837111.122</td><td>Acacia confusa</td><td>台灣相思</td><td>10</td><td>223</td><td>4</td><td>Fair</td><td>Fair</td><td>Fair</td><td>Fair</td><td>Low</td><td>Low survival rate after transplant</td><td>Common Species</td><td>Fell</td><td>Leaning 10 degrees; co-dominant branches; termites at branches</td></t<>	82.33	822782.895	837111.122	Acacia confusa	台灣相思	10	223	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; co-dominant branches; termites at branches
Abs         627         6276.300         Absolution         Control Species         Fiel         Field         Fi	82.17	822782.726	837110.820	Acacia confusa	台灣相思	7	95	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees
No.         Value         9.00         Access contains         (PHEL)         6         190         2         Fair	81.83	822781.918	837107.637	Acacia confusa	台灣相思	10	239	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 5 degrees
Acc         84.46         827/16.34         827/16.34         Account and an anternative         Connon Species         Fel         Fel         Fair         Fai	82.21	822782.389	837106.740	Acacia confusa	台灣相思	10	191	4.0	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 5 degrees; cross branches with A26
Abd         4207163         Ströckie         Abdie         Control         Frait	83.49	822784.995	837106.505	Acacia confusa		6	159	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 5 degrees
Abs         45.2         45.7         Accor oxfase         0         22.2         3         Fat         Fat         Fat         Low         Low subsidia that structures         Commo Spaces         Fat         East           Abs         46.05         82718.06         82712.07         82710.27         Accor oxfase         0         6         6         6         6         6         7         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1	84.68	822786.847	837106.385	Sterculia lanceolata		4	95	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant		Fell	
Abs         45.2         45.7         Accor oxfase         0         22.2         3         Fat         Fat         Fat         Low         Low subsidia that structures         Commo Spaces         Fat         East           Abs         46.05         82718.06         82712.07         82710.27         Accor oxfase         0         6         6         6         6         6         7         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1         1	84.90	822787.310	837105.914	Acacia confusa	台灣相思	7	143	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; cross trunk
Abs.         94.00         92772.77         Acade anotable         0.6 mode						8			Fair	_		Fair					
Abs         82.724         83710.276         Abace condua         ()         4         Far         Far         Far         Far         Far         Far         Far         Far         Far         Low 2/bit data         Common Species         Fal         Lening 10 degrees: co-dimated number           A27         82.40         82728.406         83710.472         Abacie condua         ())         10         2         Far         Far         Far         Far         Far         Common Species         Fal         Lening 10 degrees: co-dimated number           A33         84.54         822786.81         82706.818         Abacie condua         ())         2         Far         F						6			Fair	Fair	Fair	Fair	Low			-	
AP         82.43         8270.297         Acces contan         ()         B         Contant Species         Fell         Lane 20 degress: cos banches with APC decided and species           A23         83.44         82704.80         82704.80         83701.80         Acces contan         ()         C         Fer         Fer         Fer         Low substant and transpired         Common Species         Fell         Lane 20 degress: cos banches with APC decided and transpired           A33         84.34         82708.87         Acces contan         ()         12         Fer         Fer         Fer         Fer         Low substant and transpired         Common Species         Fell         Lane 20 degress: cos banches with APC decided and transpired           A44         84.54         82708.57         Acces contan         ()         2         Fer         Fer         Fer         Fer         Fer         Low substant and transpired         Common Species         Fell         Lane 20 degress: cos banches with APC decided and transpired           A45.0         82708.07         Acces contan         ()         8         2         Fer         Fer       <	82.54	822782.741				7	191	4		-							Leaning 10 degrees; co-dominant branches
A2         83.04         8274.93         837101.72         Aceas oxubas         0/fml         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191         191						8											
A3         84.4         82708.518         637096.178         Acada: conduma         ①州田田         6         111         2         Fair         Fair         Fair         Low survival rate after transplant         Common Species         Feir         e-dominant fair fair           A3         84.44         827085.58         837096.555         Acada: conduma         ①州田         6         111         2         Fair         Fair         Fair         Low survival rate after transplant         Common Species         Feir         Low survival rate after transplant						7		-		-							
A48         84.78         822784.27         837096.555         Acada contusa         (小田田田         6         111         2         Fair         Fair         Fair         Low survival rate after transplart         Common Species         Feil         Lanning 16 degrees: exposind not           A56         84.75         822786.435         837065.750         Acada contusa         (小田田         8         2.23         4         Fair         Fair         Fair         Low survival rate after transplart         Common Species         Feil         Lanning 10 degrees: co-dominant truits           A37         82.08         82782.24         837067.753         Structure and transplart         Common Species         Feil         Lanning 10 degrees: co-dominant truits           A38         82.02         82778.224         837067.544         Acada contusa         (小門田         8         1         Fair         Fair         Fair         Low Low survival rate after transplart         Common Species         Feil         Lanning 10 degrees: co-dominant truits           A40         82.24         827278.427         837094.958         Structure and transplart         Common Species         Feil         Lanning 10 degrees: co-dominant truits           A44         84.39         822784.427         837094.538         Structure and transplart <td></td> <td></td> <td></td> <td></td> <td></td> <td>7</td> <td></td> <td></td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>						7				_							
A58         84.54         82278-383         83708-550         Accia contrast         (fmill         6         77         8         7         Fair         Fair         Fair         Low         Low survival rate dart transplutt         Common Species         Fail         Lating 10 segres; co-dominant turk.           A57         83.06         82778.341         837097.753         Stocula innovabat         fill mill         7         123         Fair         Fair         Fair         Low survival rate dart transplutt         Common Species         Fail         malb-strackes           A38         82.06         82778.201         837097.754         Accia contrast         fift mill         7         127         3         Fair         Fair         Fair         Low         Low survival rate dart transplutt         Common Species         Fail         contrast contrast         fift mill         fift mill         fift mill         fift mill         fift mill         fift mill         Common Species         Fail         Low survival rate dart transplutt         Common Species         Fail         Low survival rate dart tra						6				_							Leaning 15 degrees; exposed root
A38         84.75         82278 4.33         83708 730         Asaca contas         (前用目         8         223         4         Fair         Fair         Fair         Low         Low survivi rate after transplart         Common Species         Feil         Lamity 10 degrees           A37         83.06         82278.341         83709.753         Standa lancooluta         (前用目         7         143         5         Fair         Fair         Fair         Fair         Low         Low survivi rate after transplart         Common Species         Feil         multi-branches           A38         82278.427         83709.4877         Acacia contusa         (前用目         7         127         3         Fair         Fair         Fair         Fair         Fair         Fair         Fair         Fair         Low survivi rate after transplart         Common Species         Feil         Lewing 16 degrees: codominant branches           A44         8232         82278.427         83709.1949         Acacia contusa         (前用目         8         207         3         Fair         Fair         Fair         Fair         Fair         Low uvivi rate after transplart         Common Species         Feil         Lewing 16 degrees: codominant branches           A44         85.15 <t< td=""><td></td><td></td><td></td><td></td><td></td><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>						6											
A37         83.06         82283.841         837097753         Sterulai lanceolata         信信息         7         14.3         6         Fair         F						8				-							
A38         B225         B22782.210         B37097.584         Acces contusa         台冊思         7         127         3         Fair         Fair <td></td> <td></td> <td></td> <td></td> <td>-</td> <td>7</td> <td></td> <td>_</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>					-	7		_		-							
A39         8.2.21         8.2782.472         8.37094.877         Acacia confusa         台湾相思         7         96         3         Fair         Fai						7				_							
Add         82.24         822782.150         837092.460         Acacia contusa         台灣相思         7         95         3         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Feil         Leaning 20 degrees: codminant transchers           A41         82.20         822784.247         83709.349         Acacia contusa         台灣相思         8         207         3         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Feil         Leaning 20 degrees: codminant transchers           A42         83.28         822786.544         83709.3829         Acacia contusa         台灣相思         4         111         6         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Feil         Leaning 20 degrees           A44         65.15         822787.646         83709.389         Stercula inacolata         台灣相思         111         6         Fair         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Feil         Leaning 20 degrees           A44         85.16         822787.454         83710.9.06         Acacia contusa         <						,		-								-	
At1         82.30         822782.427         837091.949         Acacia confusa         ①前根         8         207         3         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Fell         Leaning 20 degrees; co-dominant branches           A42         83.28         822784.57         837093.588         Stercula lanceolata         ①前根         4         111         6         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Fell         Leaning 10 degrees           A43         84.8         822787.866         837093.999         Stercula lanceolata         ①前根         4         111         6         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Fell         Leaning 10 degrees           A44         86.16         822787.45         83710.916         Acacia confusa         ①前根         5         95         2         Fair         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Fell         Leaning 10 degrees           A44         86.60         822797.410         837119.912         Stercula lanceolata         <						7				-							
A42         83.28         82278.45.47         83709.35.38         Stanula nanceata         Time         4         111         6         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Fell         Laming 10 degrees           A44         84.79         82278.644         83709.3282         Acacia contusa         (\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\						8											
A43       84.89       822786.944       837093.829       Acacla confusa       台湾相思       4       111       6       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees         A44       85.15       822787.866       837093.999       Stercula lanceolata       紅素       4       111       6       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees         A45       84.73       822787.456       837091.753       Acacia confusa       台湾相思       12       286       10       Fair       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees         A46       86.40       822795.44       837119.912       Stercula lanceolata       包標標       4       127       5       Fair       Fair       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees         A47       86.30       822795.452       837110.883       Acacia confusa       台湾相思       4       143       4       Fai						4		-									
A44         85.15         822787.866         837093.999         Stercula lanceolata         受清能         4         11         6         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Fell         Indib-branches           A45         84.73         822786.274         837091.753         Acacia confusa         Griftille         12         286         10         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Fell         Leaning 20 degrees           A46         86.68         822797.445         837110.985         Acacia confusa         受ੱਗ         4         127         5         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Fell         Leaning 15 degrees; would at trunk; decay at branch           A47         86.38         822795.54         837110.88         Acacia confusa         Griftille         4         Fair         Fair         Fair         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Fell         Leaning 10 degrees; would at trunk; decay at branch           A48         87.79         822797.10         837115.								_		-							l egning 10 degrees
A45       84.73       82278-274       837091.753       Acacia confusa       Gigfille       12       286       10       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 20 degrees         A46       86.68       822797.44       83719.905       Acacia confusa       Gigfille       5       95       2       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 15 degrees         A47       86.33       822795.44       837119.805       Acacia confusa       Gigfille       112       5       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 15 degrees         A48       86.04       822795.44       837119.805       Acacia confusa       Gigfille       4       143       4       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees         A49       87.79       822797.10       837115.883       Acacia confusa       Gigfille       4       95       3       Fair       Fair       Fair       Low       Low survival rat																	
A46       86.88       822797.45       837120.366       Acacia confusa       台湾相思       5       95       2       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 15 degrees; wound at trunk; decay at branch         A47       86.33       822795.44       837119.02       Stercula lanceolata       街頭像       4       127       5       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 15 degrees; wound at trunk; decay at branch         A48       86.40       822795.525       837119.685       Acacia confusa       台湾相思       6       143       4       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 15 degrees;       Leaning 16 degrees;       Common Species       Fell       Leaning 10 degrees;       Common Species       Fell       Leaning 16 degrees;       Common Species </td <td></td>																	
A47       86.3       822796.644       837119.912       Stercula lanceolata       使標整       4       127       5       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 15 degrees         A48       86.40       822795.525       837119.685       Acacia confusa       台湾相思       6       143       4       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 15 degrees         A48       86.40       822795.410       837115.512       Acacia confusa       台湾相思       4       143       4       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 16 degrees         A50       87.96       822795.407       837115.83       Acacia confusa       台湾相思       8       191       6       Fair       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees         A51       87.95       822795.507       837115.98       Acacia confusa       台湾相思       5       127       2       Fair       Fair       Fair       Low										-							
A48       86.40       822795.525       837119.685       Acacia confusa       台湾相思       6       143       4       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees         A49       87.79       822797.40       837115.12       Acacia confusa       台湾相思       4       143       4       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees         A50       87.96       822796.405       837115.88       Acacia confusa       台湾相思       4       163       4       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees         A51       87.95       822796.407       837115.88       Acacia confusa       台湾相思       95       3       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 50 degrees       codimant branches; exposed       Acacia confusa       台湾相思       127       2       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 50 degrees <td></td> <td></td> <td></td> <td></td> <td>111710-0</td> <td>-</td> <td></td>					111710-0	-											
A49       87.79       822797.10       837117.512       Acacia confusa       Gigfilie       4       143       4       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees         A50       87.96       822796.485       837115.883       Acacia confusa       Gigfilie       4       95       6       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 5 degrees         A51       87.95       822797.789       837115.883       Acacia confusa       Gigfilie       4       95       3       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees; co-dominant branches; exposed         A52       88.76       822797.789       837115.88       Acacia confusa       Gigfilie       8       111       2       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees; co-dominant branches; exposed         A53       88.66       822797.789       837115.88       Acacia confusa       Gigfilie       8       111       2       Fair       Fair								-									Leoning 15 degrees
A50       87.96       822796.485       837116.883       Acacia confusa       Affene       8       191       6       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 5 degrees         A51       87.95       822795.097       837115.982       Acacia confusa       Affene       4       95       3       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees; co-dominant branches; exposed         A52       88.76       822797.789       837115.388       Acacia confusa       Affene       5       127       2       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 20 degrees; co-dominant branches; exposed         A53       88.66       822797.58       837114.581       Acacia confusa       Affene       8       111       2       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 20 degrees         A54       89.73       822799.544       837114.855       Acacia confusa       Affene       8       143       3       Fair       Fair       Fai						-		-									
A51       87.95       822796.907       837115.982       Acacia confusa       台湾相思       4       95       3       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees; co-dominant branches; exposed         A52       88.87       822797.759       837115.388       Acacia confusa       台湾相思       5       127       2       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 20 degrees         A53       88.66       822797.354       837116.061       Acacia confusa       台湾相思       8       111       2       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 20 degrees         A53       88.66       822797.354       837114.051       Acacia confusa       台湾相思       7       95       2       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees         A54       89.78       822798.048       837114.891       Acacia confusa       台湾相思       7       95       2       Fair       Fair       Fair       Low<								_		_							
A52       88.71       822797.28       837115.388       Acacia confusa       Affelle       5       127       2       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 20 degrees         A53       88.66       822797.354       837115.061       Acacia confusa       Gmmu       8       111       2       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 20 degrees         A54       89.73       822799.044       837114.495       Acacia confusa       Affelle       7       95       2       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees         A55       89.69       82798.049       837114.491       Acacia confusa       Affelle       8       143       3       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees         A56       82798.427       837114.491       Acacia confusa       Affelle       7       191       2       Poor       Poor       Poor       Low survival rate after transplant       Common Species<						-				_							
A53         88.66         822797.34         837115.061         Acacla confusa         合門相思         8         111         2         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Feil         Leaning 10 degrees           A54         89.73         822799.044         837114.855         Acacla confusa         Grifting         7         95         2         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Feil         Leaning 10 degrees           A56         89.74         822798.427         837114.485         Acacla confusa         Grifting         7         95         2         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Feil         Leaning 10 degrees           A56         89.74         822798.427         837113.482         Acacla confusa         Grifting         7         191         2         Poor         Poor         Poor         Low         Low survival rate after transplant         Common Species         Feil         Leaning 30 degrees           A57         89.94         822798.430         837112.785         Acacia confusa         Grifting         2								_		-							
Ast         89.73         82279.04         837114.855         Acacia confusa         Afailla         7         95         2         Fair         Fair         Fair         Low         Low survival rate for transplant         Common Species         Fell         Leaning 10 degrees           A55         89.69         822798.690         837114.491         Acacia confusa         Afailla         3         Fair         Fair         Fair         Low         Low survival rate for transplant         Common Species         Fell         Leaning 10 degrees           A56         89.74         822798.427         837113.482         Acacia confusa         Afailla         3         Fair         Fair         Fair         Low         Low survival rate for transplant         Common Species         Fell         Leaning 10 degrees           A56         89.74         822798.427         837113.482         Acacia confusa         Afailla         2         Poor         Poor         Poor         Low         Low survival rate for transplant         Common Species         Fell         Leaning 30 degrees; cross trunk with A58; uproot; exp           A57         89.94         822798.380         837112.795         Acacia confusa         Afailla         2         Fair         Fair         Fair         Low						5				_							
A55         89.69         822798.690         837114.491         Acacia confusa         Affentile         8         143         3         Fair         Fair         Low         Low survival rate after transplant         Common Species         Fell         Leaning 10 degrees           A56         89.74         822798.427         837113.482         Acacia confusa         Affentile         7         191         2         Poor         Poor         Poor         Low         Low survival rate after transplant         Common Species         Fell         Leaning 30 degrees; cross trunk with A58; uproot; expr           A57         89.94         822798.380         837112.795         Acacia confusa         Affentile         7         143         2         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Fell         Leaning 5 degrees						8		-		-							
A56         89.74         822798.427         837113.482         Acacia confusa         6月雨思         7         191         2         Poor         Poor         Poor         Low         Low survival rate for transplant         Common Species         Fell         Leaning 30 degrees; cross trunk with A58; uproot; expression; expressio						7				-							
A57         89.94         822798.380         837112.795         Acacia confusa         台灣相思         7         143         2         Fair         Fair         Low         Low survival rate after transplant         Common Species         Fell         Leaning 5 degrees						8		-		-							
						7		_									
						7											
A58         90.78         822799.336         837111.309         Acacie confusa         台灣相思         7         191         2         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Feil         Cross truth with A56						7				-							
A59         89.96         822797.70         837111.843         Acacia confusa         台灣相思         5         127         2         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Feil         Leaning 5 degrees				Acacia confusa	台灣相思	5		2	Fair	Fair		Fair	Low	Low survival rate after transplant	Common Species		
A60         88.49         822796.255         837114.266         Acacia confusa         台灣相思         5         143         2         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Feil         Leaning 20 degrees						5	-										
A61         88.15         822795.95         837114.839         Acacia confusa         台灣相思         6         127         4         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Fell         Leaning 10 degrees				Acacia confusa	台灣相思	6			Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species		
A62         85.97         822793.205         837117.906         Sterculia lanceolata         費請答         5         127         3         Fair         Fair         Fair         Low Survival rate after transplant         Common Species         Fell         Leaning 5 degrees	85.97	822793.205	837117.906	Sterculia lanceolata	假蘋婆	5	127	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	
A64         85.82         822790.972         837110.709         Acacia confusa         台灣相思         7         191         3         Fair         Fair         Fair         Low Survival rate after transplant         Common Species         Feil         Leaning 15 degrees	85.82	822790.972	837110.709	Acacia confusa	台灣相思	7	191	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees

Tree Assessment Schedule

Date of Tree Survey : 16 February 2023

matrix         matrix<	Tree	Level at Base	Coord		Species			Tree Size		Amenity value	Form (Good,	Health condition	Structural		Suitability for transplanting	Conservation status** (OVT/ Common Species/ Scheduled under Cap 96/ Protected under Cap 58/ Rare &	Recommendation (Transplant/ Retain/	Remarks
Image         Image <t< th=""><th>Tag No.</th><th>(mPD)</th><th></th><th></th><th>Scientific Name</th><th></th><th></th><th>Diameter (mm)</th><th>Crown Spread (m)</th><th>(Good, Fair, Poor)</th><th>Fair, Poor)</th><th>(Good, fair, Poor)</th><th>(Good, Fair, Poor)</th><th>Medium/</th><th>Remarks*</th><th></th><th></th><th></th></t<>	Tag No.	(mPD)			Scientific Name			Diameter (mm)	Crown Spread (m)	(Good, Fair, Poor)	Fair, Poor)	(Good, fair, Poor)	(Good, Fair, Poor)	Medium/	Remarks*			
m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m         m	A65		822791.141		Dead tree	死樹	7	255	5	Poor	Poor	Poor	Poor	Low	Low survival rate after transplant	Common Species	Fell	
Image         Image <t< td=""><td>A66</td><td>87.00</td><td>822792.612</td><td>837110.506</td><td>Acacia confusa</td><td>台灣相思</td><td>7</td><td>191</td><td>3</td><td>Fair</td><td>Fair</td><td>Fair</td><td>Fair</td><td>Low</td><td>Low survival rate after transplant</td><td>Common Species</td><td>Fell</td><td>Leaning 15 degrees</td></t<>	A66	87.00	822792.612	837110.506	Acacia confusa	台灣相思	7	191	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees
N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N N <th< td=""><td>A67</td><td>86.94</td><td>822792.747</td><td>837109.297</td><td>Acacia confusa</td><td>台灣相思</td><td>8</td><td>239</td><td>4</td><td>Fair</td><td>Fair</td><td>Fair</td><td>Fair</td><td>Low</td><td>Low survival rate after transplant</td><td>Common Species</td><td>Fell</td><td>Leaning 15 degrees; co-dominant branches</td></th<>	A67	86.94	822792.747	837109.297	Acacia confusa	台灣相思	8	239	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees; co-dominant branches
No. Lot <td>A68</td> <td>88.78</td> <td>822795.675</td> <td>837110.276</td> <td>Acacia confusa</td> <td>台灣相思</td> <td>10</td> <td>239</td> <td>4</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Low</td> <td>Low survival rate after transplant</td> <td>Common Species</td> <td>Fell</td> <td>Leaning 15 degrees</td>	A68	88.78	822795.675	837110.276	Acacia confusa	台灣相思	10	239	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees
N1	A69	89.44	822796.873	837111.064	Acacia confusa	台灣相思	10	239	4	Poor	Poor	Poor	Poor	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees; uproot; exposed root
1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10 1/10	A70	91.20	822799.167	837107.455	Acacia confusa	台灣相思	8	191	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; decay & wound at trunk
51         54.4         54.9         54.9         54.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9         74.9	A71	89.91	822796.917	837107.924	Acacia confusa	台灣相思	6	127	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees; co-dominant branches
Vert         Vert<         Vert         Vert<         Vert<         Vert<         Vert	A72	88.44	822794.666	837107.920	Acacia confusa	台灣相思	5	191	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees; cross branches
Sym         Sym <td>A73</td> <td>87.57</td> <td>822793.625</td> <td>837108.224</td> <td>Acacia confusa</td> <td>台灣相思</td> <td>7</td> <td>159</td> <td>3</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Low</td> <td>Low survival rate after transplant</td> <td>Common Species</td> <td>Fell</td> <td>Leaning 20 degrees</td>	A73	87.57	822793.625	837108.224	Acacia confusa	台灣相思	7	159	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees
mm	A74	86.31	822791.459	837104.104	Sterculia lanceolata	假蘋婆	4	111	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	
171       1818       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872       1872     <	A75	86.05	822790.843	837102.959	Acacia confusa	台灣相思	10	255	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 30 degrees; decay at trunk base; dead branches
177         177         177         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178         178 <td>A76</td> <td>86.15</td> <td>822790.970</td> <td>837101.403</td> <td>Acacia confusa</td> <td>台灣相思</td> <td>8</td> <td>127</td> <td>2</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Low</td> <td>Low survival rate after transplant</td> <td>Common Species</td> <td>Fell</td> <td>Leaning 15 degrees; co-dominant branches; decay at trunk</td>	A76	86.15	822790.970	837101.403	Acacia confusa	台灣相思	8	127	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees; co-dominant branches; decay at trunk
No.         Norma         N		87.09					10	255	4									Leaning 10 degrees; co-dominant branches
97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97         97<		88.87	822795.814						6	Fair			Fair					
Image         Market         Market </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>Leaning 15 degrees; dead branches</td>							-		-									Leaning 15 degrees; dead branches
Abil         Abil         Abil         Abil         Abil         Abil         Abil         Abil         Abil         Abili         Abili <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>7</td> <td></td> <td>_</td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td>							7		_					-				
No.         State         S						111 2 10 40								-				
Hole         Biole							-											
Hat         Biolog         Biolog <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td>							-											
How         Soluri         Soluri <td></td>																		
Image: Part Part Part Part Part Part Part Part							-	-										Leaning 20 degrees, co-dominant trunk, minor wound at trunk
Abb         Best						1276.2	-							-				
NAME         B400         B2778 / B278         B2788 / B278 / B28 / B28 / B278 / B28 / B28 / B28 / B278 / B28							-		-									
No.         84/97         82/714/03         807/98/97         Acade condus         0/ffill         8         9         7/fill         0/fill         6         9         7/fill         0/fill         6         9         7/fill         0/fill         6         9         1/fill         8/fill         0/fill         6         9         7/fill         7/fill <th<< td=""><td></td><td></td><td></td><td></td><td></td><td>111 2 10 40</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<<>						111 2 10 40												
Arth         8.9.8         6.273.4.48         5.079.4.32         6.040 bit of 4.000 bit of 4.0000 bit of 4.000 bit of 4.0000 bit					Acacia confusa		8			Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species		
1402         62.81         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91         62.91 <th6< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>8</td><td></td><td>4</td><td></td><td></td><td></td><td></td><td>Low</td><td>Low survival rate after transplant</td><td></td><td></td><td></td></th6<>							8		4					Low	Low survival rate after transplant			
Abs.         0.16         8.2771.04         SY07.274         Access contain         fright         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7         7		83.89	822784.402	837079.428	Acacia confusa	台灣相思	8	175	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species		
Abs         10.4         4277         30         2070/487         Accia contas         0 / mile         9         2         Par         Par         Par         Low subvisite         Common Species         Fail         Data temperature           ABS         11.80         422703.03         0.3070487         Accia contas         0/mile         7         191         3         Fair         Fair         Low subvisite temperature         Common Species         Fail         Lawny 10 degrees. codmant temperature           ABI         42.00         422704.221         430704.252         Accia contas         0/mile         8         22.3         3         Fair         Fair         Low subvisite temperature         Common Species         Fail         Lawny 5 degrees. codmant temperature           ABI         42.00         42.074.221         K3707.252         Accia contas         (/mile         8         22.3         4         Fair         Fair         Low subvisite temperature         Common Species         Fail         Lawny 10 degrees         Accia contas         (/mile         6         12.3         Fair         Fair         Fair         Low subvisite temperature         Common Species         Fail         Lawny 10 degrees         Accia contas         Accia contas         Accia contas		82.61	822782.484	837081.757	Bridelia tomentosa	土蜜樹	6	95	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species		
Abs         61.45         62270.003         83774.82         Access conclusa         (PRII)         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         7         191         191         191         191         191         191         191         191         19	A93	82.15	822781.310	837077.674	Acacia confusa	台灣相思	7	175	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 25 degrees; cross branches; exposed root
Abs         81:99         82709.061         83707.550         Acacis contrast         Chilli         B         Fair         F	A94	82.04	822781.338	837079.317	Dead tree	死樹	6	95	2	Poor	Poor	Poor	Poor	Low	Low survival rate after transplant	Common Species	Fell	
AB7         82.80         B2278/271         837073283         Acada contua         台湾市         Par	A95	81.85	822780.903	837074.882	Acacia confusa	台灣相思	7	191	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees
ABS         B391         B2278.436         S3707.427         Acacia confusa         CMRIB         B         222         Far         Far         Far         Far         Low         Low survival rate dater transplant         Common Spocies         Fell         Laming 5 degrees; co-diminant banches; cortas banches with A105           A00         83.80         822784.435         837077.707         Acacia confusa         CmRIB         8         223         Far         Far         Far         Far         Far         Low         Low survival rate dater transplant         Common Spocies         Fell         Laming 10 degrees; co-dominant banches; with A105           A101         85.41         822787.458         83707.707         Acacia confusa         CmRIB         Far         Far         Far         Far         Far         Low         Low survival rate dater transplant         Common Spocies         Fell         Laming 10 degrees; co-dominant true's, c	A96	81.89	822780.856	837073.635	Acacia confusa	台灣相思	7	191	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; co-dominant branches
A89         83.00         82278.435         83707.4601         Acada contusa         ①供相思         8         223         4         Pair         Fair         Low         Low survival rate after transplart         Common Species         Fail         Laming 10 degrees           A100         85.83         822787.209         837077.797         Acada contusa         ①供相思         8         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164         164 </td <td>A97</td> <td>82.90</td> <td>822782.721</td> <td>837072.552</td> <td>Acacia confusa</td> <td>台灣相思</td> <td>8</td> <td>203</td> <td>3</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Low</td> <td>Low survival rate after transplant</td> <td>Common Species</td> <td>Fell</td> <td>Leaning 5 degrees</td>	A97	82.90	822782.721	837072.552	Acacia confusa	台灣相思	8	203	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 5 degrees
Attos         83.83         82784-422         83707.777         Acacia confusa         台相思         159         3         Fair         Common Species         Fair         Common Species         Fair         Leaving 10 degrees; exposed not           Atto         85.41         822787.422         83707.464         Acacia confusa         台橋相思         6         127         2         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Fail         Leaving 10 degrees; exposed not           Attos         82.787.422         83707.480         Acacia confusa         台橋相思         6         127         2         Fair         Fair         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Feil         Leaving 10 degrees; condiniant transplant         Loavis unival rate after transplant         Common Species         Feil         Leaving 10 degrees; condiniant transplant         Leaving 10 degrees; condiniant transplant         Acacia confusa         台橋相思         8         143         3         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Feil         Leaving 10 degrees; condiniant truns; condiniant truns; condiniant truns; condiniant truns; condiniant truns; condiniant truns; condiniant	A98	83.91	822784.365	837073.427	Acacia confusa	台灣相思	8	223	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 5 degrees; co-dominant branches; cross branches with A105
A101       85.41       822787.50       Acacla confusa       台灣相思       7       159       3       Pair       Fair       Fair       Low       Low survival rate dart transplant.       Common Species       Fell       Laming 10 degrees: exposed not         A102       85.38       822787.208       83707.460       Acacla confusa       台灣相思       6       127       2       Fair       Fair       Fair       Low       Low survival rate dart transplant.       Common Species       Fell       Laming 10 degrees: exposed not         A103       85.44       822787.470       83707.080       Acacla confusa       台灣相思       6       127       2       Fair       Fair       Fair       Fair       Low       Low survival rate dart transplant.       Common Species       Fell       Laming 10 degrees: co-dominant transplant.       Common Species       Fell       Laming 10 de	A99	83.90	822784.435	837074.601	Acacia confusa	台灣相思	8	223	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees
And to         85.41         82277-519         837077.09         Acacla contusa         (figle)         7         159         3         Fair         Fair         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Feil         Laming 10 degrees: exposed not           A103         85.48         822778-72.09         83707.480         Acacla contusa         (figle)         6         121         2         Fair         Fair <td>A100</td> <td>83.83</td> <td>822784.432</td> <td>837077.797</td> <td>Acacia confusa</td> <td>台灣相思</td> <td>8</td> <td>159</td> <td>3</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Low</td> <td>Low survival rate after transplant</td> <td>Common Species</td> <td>Fell</td> <td></td>	A100	83.83	822784.432	837077.797	Acacia confusa	台灣相思	8	159	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	
A103         85.44         822787.482         83707.4088         Acacia confusa         合用相目         6         121         2         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Fell         Learning 10 degrees           A104         85.55         822786.771         85707.2677         Acacia confusa         台湾相目         10         286         6         Fair         Fair         Fair         Fair         Fair         Low survival rate after transplant         Common Species         Fell         Learning 10 degrees; co-dominant transk, co-dominant branches, wond at branches           A105         84.44         822786.434         83707.2677         Acacia confusa         台湾相目         8         100         3         Fair         Fair         Fair         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Fell         Learing 20 degrees; co-dominant transk,	A101	85.41	822787.515	837077.709	Acacia confusa		7	159	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant		Fell	Leaning 10 degrees; exposed root
A103         8.5.4         8.2278.422         8.3707.408         Acacia confusa         Offilia         6         121         2         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Feil         Lening 10 degrees.         Comminant transformat         Common Species         Feil         Lening 5 degrees.         Comminant transformat         Common Species         Feil         Lening 10 degrees.         Comminant transformat         Common Species         Feil         Lening 5 degrees.         Comminant transformat         Common Species         Feil         Lening 10 degrees.         Comminant transformat	A102	85.38	822787.209	837074.640	Acacia confusa	台灣相思	6	127	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees
A104       8535       822786.771       837072.677       Acacia confusa       ① 南德       10       286       6       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Feil       Leaning 5 degrees; co-dominant trunks; co-dominant trunk; co-dominant t		85.44																
A105       84.54       82278.54.34       837072.819       Accaic confusa       Cigning 20       Accaic confusa       Accaic confusa       Cigning 20       Accaic confusa       Accaic confusa       Cigning 20       Accaic confusa       Cigning 20       Accaic confusa       Cigning 20       Accaic confusa       Cigning 20       Accaic confusa       Accaic confusa       Aim 2       Aim 2       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Feil       Leaning 10 degrees; co-dominant trunk; dead branches         A111       85.7       822784.25       837067.909       Accaic confusa       Cigning 20       Fair       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Feil       Leaning 10 degrees; co-dominant trunk; dead branches		85.35					10											Leaning 5 degrees; co-dominant trunks; co-dominant branches; wound at branches
A106       85.38       822786.322       837071.322       Acacia confusa       台灣相思       8       180       3       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Feil       Leaning 20 degrees; co-dominant trunk; dead branches         A107       84.14       822784.131       837069.548       Acacia confusa       台灣相思       4       111       4       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Feil       dead stb         A110       82.78       822784.121       837069.09       Acacia confusa       台灣相思       10       22.3       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Feil       Leaning 10 degrees; co-dominant trunk; dead branches         A111       85.76       822786.127       837067.653       Acacia confusa       台灣相思       5       95       2       Poor       Poor       Low       Low survival rate after transplant       Common Species       Feil       Leaning 10 degrees; co-dominant trunk; dead transplant       Common Species       Feil       Leaning 10 degrees; co-dominant trunk; dead transplant       Common Species       Feil       Leaning 10 degrees; co-dominant trunk; dead transplant       Common Species									-									
A107       84.14       82784.813       837069.548       Acacia confusa       Offente       4       111       4       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       dead stud         A110       82.78       822782.161       837069.583       Acacia confusa       Offente       4       11       4       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 16 degrees; co-dominant funk; vs-haped         A111       83.57       822786.121       837067.509       Acacia confusa       Offente       5       9       2       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 16 degrees; co-dominant funk; vs-haped         A112       84.85       822786.121       837065.54       Acacia confusa       Offente       5       9       2       Pair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 16 degrees; co-dominant funk; vs-haped         A113       85.02       822786.121       837065.55       Acacia confusa       Offente       7       143       2       Fair<																		
A110       82.78       822782.18       837066.083       Acacia confusa       台湾相思       10       223       3       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Feil       Leaning 15 degrees; co-dominant turk; v-shaped         A111       83.57       822784.225       837067.059       Acacia confusa       台湾相思       8       159       2       Pair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Feil       Leaning 10 degrees; co-dominant turk; v-shaped         A112       84.85       822786.347       837067.653       Acacia confusa       台湾相思       7       175       4       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Feil       Leaning 30 degrees; uorod         A113       84.39       822785.240       837067.555       Acacia confusa       台湾相思       7       143       2       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Feil       Leaning 16 degrees; uorod         A114       84.39       822785.240       837061.598       Acacia confusa       台湾相思       10       225       6       Fair							-											
A111       83.57       822784.225       837067.099       Acacia confusa       Angle       8       159       2       Fair       Fair       Fair       Low survival rate after transplant       Common Species       Feil       Leaning 10 degrees.       Gegrees.																		
A112       84.85       822786.347       837067.553       Acacia confusa       台湾相思       5       95       2       Poor       Poor       Poor       Low       Low survival rate after transplant       Common Species       Fell       Leaning 30 degrees; uproot         A113       85.02       822786.121       837067.553       Acacia confusa       台湾相思       7       175       4       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 16 degrees; uproot         A114       84.39       822785.240       837061.96       Acacia confusa       台湾相思       7       143       2       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 16 degrees; uproot         A114       84.39       822785.240       837061.96       Acacia confusa       台湾相思       7       143       2       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 16 degrees; co-dominant branches; cos branches with A115         A116       84.24       822785.985       837061.986       Acacia confusa       台湾相思       6       223       Fair       Fair       Fair																		
A113       85.02       822786.121       837066.544       Acacia confusa       台湾相思       7       175       4       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Feil       Leaning 15 degrees; cross branches with A115         A114       84.39       822785.20       837061.596       Acacia confusa       台湾相思       7       143       2       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Feil       Leaning 15 degrees; cross branches with A115         A115       84.24       822784.729       837061.596       Acacia confusa       台湾相思       10       255       6       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Feil       Leaning 15 degrees; cross branches with A115         A116       85.04       822786.798       837061.598       Acacia confusa       台湾相思       6       Pair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Feil       Leaning 25 degrees; co-dominant branches; cross branches with A116         A116       85.08       822786.598       837061.598       Acacia confusa       台湾相思       16       Fair       Fair       Fair							0											
A114       84.39       822785.20       837063.755       Acacia confusa       台湾相思       7       143       2       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Feil       Leaning 15 degrees:       co-dominant branches; cross branches with A116         A115       84.24       822784.729       837061.598       Acacia confusa       台湾相思       10       255       6       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Feil       Leaning 15 degrees; co-dominant branches; cross branches with A116         A116       85.08       822786.598       837061.598       Acacia confusa       台湾相思       10       223       4       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Feil       Leaning 26 degrees; co-dominant branches; cross branches with A116         A117       85.08       822786.710       837067.74       Acacia confusa       台湾相思       10       223       4       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Feil       Leaning 30 degrees; co-dominant branches; wound at branches;							5											
A115       84.24       82784.79       837061.996       Acacia confusa       台湾相思       10       255       6       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Feil       Leaning 15 degrees; co-dominant branches; ross branches with A116         A116       85.08       822785.985       837061.598       Acacia confusa       Griftul B       6       223       3       Fair       Fair       Fair       Fair       Low survival rate after transplant       Common Species       Feil       Leaning 25 degrees; co-dominant branches; ross branches with A115         A117       85.08       822786.701       837067.987       Acacia confusa       Griftul B       10       223       4       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Feil       Leaning 25 degrees; co-dominant branches; ross branches with A115         A118       85.34       822786.710       837067.787       Acacia confusa       Griftul B       5       95       3       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Feil       Leaning 26 degrees; co-dominant branches; ross branches; wound at b							-											
All       Bound       Bound       Acacia confusa       Acacia confusa       Acadia confusa       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 26 degrees; co-dominant branches; cross branches with A115         A118       85.34       822786.710       837065.734       Acadia confusa       Ammond famility       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 30 degrees; co-dominant branches; cross branches with							/		-									
A117         85.30         822785.99         837057.987         Acacia confusa         67#10         10         223         4         Fair         Fair         Fair         Low survival rate after transplant         Common Species         Feil         Leaning 26 degrees; co-dominant branches; wound at branches;           A118         85.34         822786.710         837057.987         Acacia confusa         1@#10         5         95         3         Fair         Fair         Fair         Low survival rate after transplant         Common Species         Feil         Leaning 30 degrees; co-dominant branches; wound at branches; wound at branches;           A119         82.12         82279.763         837059.398         Sterculia lanceolata         fights         5         Fair         Fair         Fair         Low survival rate after transplant         Common Species         Feil         Leaning 30 degrees; co-dominant branches; wound at branches; wound at branches; wound at branches;           A119         82.12         82279.763         837059.398         Sterculia lanceolata         fights         Fair         Fair         Fair         Low survival rate after transplant         Common Species         Feil         Leaning 30 degrees;							-											
A118         85.24         822786.710         837056.774         Acacia confusa         Om/m         5         95         3         Fair         Fair         Fair         Low survival rate after transplant         Common Species         Fell         Leaning 30 degrees           A119         82.12         822779.763         837059.398         Sterculia lanceolata         fight         5         95         Fair         Fair         Fair         Low survival rate after transplant         Common Species         Fell         Leaning 30 degrees							Ŭ		-				1 611	-				
A119       82.12       822779.763       837059.398       Sterculia lanceolata       Employee       Fair       Fair       Fair       Fair       Fair       Common Species       Fell					Acacia confusa									Low	Low survival rate after transplant			
	A118				Acacia confusa	台灣相思	v			Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 30 degrees
A 120 82.16 822780.098 837057.731 Acacia confusa 台灣相思 6 143 5 Fair Fair Fair Fair Low Low survival rate after transplant Common Species Fell Leaning 20 degrees	A119	82.12	822779.763	837059.398	Sterculia lanceolata	假蘋婆	4	135	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	
	A120	82.16	822780.098	837057.731	Acacia confusa	台灣相思	6	143	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees

Tree Assessment Schedule

Date of Tree Survey : 16 February 2023

Image         Image <th< th=""><th>Tree</th><th>Level at Base</th><th>Coord</th><th></th><th>Species</th><th></th><th></th><th>Tree Size</th><th></th><th>Amenity value</th><th>Form (Good,</th><th>Health condition</th><th>Structural</th><th></th><th>Suitability for transplanting</th><th>Conservation status** (OVT/ Common Species/ Scheduled under Cap 96/ Protected under Cap 58/ Rare &amp;</th><th>Recommendation (Transplant/ Retain/</th><th>Remarks</th></th<>	Tree	Level at Base	Coord		Species			Tree Size		Amenity value	Form (Good,	Health condition	Structural		Suitability for transplanting	Conservation status** (OVT/ Common Species/ Scheduled under Cap 96/ Protected under Cap 58/ Rare &	Recommendation (Transplant/ Retain/	Remarks
100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100         100 <th>Tag No.</th> <th>(mPD)</th> <th>(Northing</th> <th>, Easting)</th> <th>Scientific Name</th> <th>Chinese Name</th> <th></th> <th>Diameter</th> <th>Crown</th> <th>(Good, Fair, Poor)</th> <th>Fair, Poor)</th> <th>(Good, fair, Poor)</th> <th>(Good, Fair, Poor)</th> <th>Medium/</th> <th>Remarks*</th> <th></th> <th></th> <th></th>	Tag No.	(mPD)	(Northing	, Easting)	Scientific Name	Chinese Name		Diameter	Crown	(Good, Fair, Poor)	Fair, Poor)	(Good, fair, Poor)	(Good, Fair, Poor)	Medium/	Remarks*			
Physic         Physic         Addet         Addet        <	A121	82.68	822782.197	837057.963	Acacia confusa	台灣相思	8	191	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; wound at trunk
No.         Object         No.         Object         No.         Object         No.         No.        No.        No.	A122	91.03	822798.331	837096.388	Acacia confusa	台灣相思	8	159	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 <th< td=""><td>A123</td><td>90.40</td><td>822797.542</td><td>837096.319</td><td>Acacia confusa</td><td>台灣相思</td><td>8</td><td>95</td><td>2</td><td>Fair</td><td>Fair</td><td>Fair</td><td>Fair</td><td>Low</td><td>Low survival rate after transplant</td><td>Common Species</td><td>Fell</td><td>Leaning 10 degrees</td></th<>	A123	90.40	822797.542	837096.319	Acacia confusa	台灣相思	8	95	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees
No.         No.        No.        No.         No.	A124	90.43	822797.254	837097.816	Acacia confusa	台灣相思	7	95	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	wound at branches; wound at branches
Image         Image <t< td=""><td>A125</td><td>91.41</td><td>822798.829</td><td>837100.363</td><td>Acacia confusa</td><td>台灣相思</td><td>4</td><td>95</td><td>3</td><td>Fair</td><td>Fair</td><td>Fair</td><td>Fair</td><td>Low</td><td>Low survival rate after transplant</td><td>Common Species</td><td>Fell</td><td>Leaning 20 degrees</td></t<>	A125	91.41	822798.829	837100.363	Acacia confusa	台灣相思	4	95	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees
Image         Image <t< td=""><td>A126</td><td>92.00</td><td>822799.809</td><td>837101.724</td><td>Acacia confusa</td><td>台灣相思</td><td>8</td><td>191</td><td>4</td><td>Fair</td><td>Fair</td><td>Fair</td><td>Fair</td><td>Low</td><td>Low survival rate after transplant</td><td>Common Species</td><td>Fell</td><td></td></t<>	A126	92.00	822799.809	837101.724	Acacia confusa	台灣相思	8	191	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	
101         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102         102 <td>A127</td> <td>91.20</td> <td>822798.606</td> <td>837096.396</td> <td>Acacia confusa</td> <td>台灣相思</td> <td>7</td> <td>95</td> <td>2</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Low</td> <td>Low survival rate after transplant</td> <td>Common Species</td> <td>Fell</td> <td>Leaning 5 degrees</td>	A127	91.20	822798.606	837096.396	Acacia confusa	台灣相思	7	95	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 5 degrees
101         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.         107.	A128	92.14	822800.496	837094.071	Acacia confusa	台灣相思	10	360	8	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees
Internation         Normanian	A129	91.02	822798.089	837094.061	Acacia confusa	台灣相思	10	286	10	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees; co-dominant branches; crack at trunk
Number	A130	89.71	822796.496	837094.476	Acacia confusa	台灣相思	8	191	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees
No.         Norme         N	A131	88.98	822795.405	837094.421	Acacia confusa	台灣相思	6	95	1	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	
NUM         Num <td>A132</td> <td>91.78</td> <td>822799.236</td> <td>837089.405</td> <td>Acacia confusa</td> <td>台灣相思</td> <td>5</td> <td>111</td> <td>4</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Low</td> <td>Low survival rate after transplant</td> <td>Common Species</td> <td>Fell</td> <td>Leaning 15 degrees; co-dominant branches; wound at branches</td>	A132	91.78	822799.236	837089.405	Acacia confusa	台灣相思	5	111	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees; co-dominant branches; wound at branches
NUM         Vartic Varti Vartic Varti Vartic Vartic Varti Vartic Vartic Vartic Vartic Var	A133	91.41	822798.433	837088.656	Acacia confusa	台灣相思	6	111	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees
NUM         NUM <td>A134</td> <td>91.73</td> <td>822799.063</td> <td>837088.108</td> <td>Acacia confusa</td> <td>台灣相思</td> <td>5</td> <td>159</td> <td>6</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Low</td> <td>Low survival rate after transplant</td> <td>Common Species</td> <td>Fell</td> <td>Leaning 20 degrees; co-dominant branches; cross branches</td>	A134	91.73	822799.063	837088.108	Acacia confusa	台灣相思	5	159	6	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees; co-dominant branches; cross branches
No.         No.         Normal	A135	91.87	822799.144	837086.750	Acacia confusa	台灣相思	5	207	6	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	co-dominant branches
NUM         Model         M	A136	90.35	822796.760	837091.161	Acacia confusa	台灣相思	12	318	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees
NH         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         60/1         6	A137	88.79	822794.804	837092.304	Acacia confusa	台灣相思	8	127	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees; wound at trunk
NAM         Original System         Normal Market System         Open Market System         File         Deray 1 Segrees Constructions Species         File         Long 1 Segrees Constructions Species	A138	86.26	822790.849	837091.953	Acacia confusa	台灣相思	10	286	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees; exposed root
NMA         BURD         BURD         BURD         BURD         BURD         Construction and instruction.         Construction and instruction.         Construction and instruction.         Prior         Pri	A139	86.01	822790.180	837085.028	Acacia confusa	台灣相思	8	159	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees
NH         81/1         802/10.00         NM         Amele conduct         Amele conduc	A140	87.41	822792.637	837084.881	Acacia confusa	台灣相思	12	286	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees; co-dominant branches; wound at trunk
Ands         Ends         Ends <th< td=""><td>A141</td><td>87.85</td><td>822793.089</td><td>837085.092</td><td>Acacia confusa</td><td>台灣相思</td><td>6</td><td>159</td><td>4</td><td>Fair</td><td>Fair</td><td>Fair</td><td>Fair</td><td>Low</td><td>Low survival rate after transplant</td><td>Common Species</td><td>Fell</td><td>Leaning 20 degrees</td></th<>	A141	87.85	822793.089	837085.092	Acacia confusa	台灣相思	6	159	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees
And         Biolog         Biolog         Biolog         Addes contain         Offention         S         Fail         Fail         Low         Low random randem rangement         Common Species         Fail         Loward Species           And         9103         827791545         87781406         Addes contain         Offention         10         2257         87781406         Addes contain         Offention         10         2257         87781406         Addes contain         Offention         10         2257         87781406         Addes contain         Offention         10         4         Fail	A142	88.16	822793.805	837086.403	Acacia confusa	台灣相思	10	143	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	
NAME         01:00         02700.000         Above onders         0:1         0.0         Dave under register         Consort Species         Fill         Marcing Species           Atte         01:00         52777.00         70700.000         Above onders         0:1         1.0         Low under register         Cransort Species         Fiel         Lattery 30 Streptes         Fiel         Lattery 30 Streptes         Fiel         Lattery 30 Streptes         Lattery 30 Streptes <td>A145</td> <td>92.05</td> <td>822800.376</td> <td>837084.855</td> <td>Acacia confusa</td> <td>台灣相思</td> <td>6</td> <td>175</td> <td>6</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Low</td> <td>Low survival rate after transplant</td> <td>Common Species</td> <td>Fell</td> <td>Leaning 20 degrees; co-dominant branches</td>	A145	92.05	822800.376	837084.855	Acacia confusa	台灣相思	6	175	6	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees; co-dominant branches
Alte         910         2027.18         87.09         66.00         67.80         92.00         100         205         44         Far         Far        Far        <	A146	92.00	822799.251	837082.780	Acacia confusa	台灣相思	5	191	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 5 degrees
Artho         9.93         22272.93         8.2783.043         Symbolic Strategy         100         101         4         Far         Far         Far         Low survival state start strategiste         Commo Species         Fet         Low gale           Atts         8.2773.967         8.2791.967         Acade contum         (integ) Ed.         20         Far         Far         Far         Low survival state start strategiste         Commo Species         Fet         Lowing Ed. Survival State           Atts         6.2791.967         8.2791.967         Acade contum         (integ) Ed.         6         111         3         Far         Far         Low         Low survival state start strategiste         Commo Species         Fet         Lowing Ed. Survival State           Atts         0.618         2277.848         8709.0304         Moscendonia         (integ) Ed.         Far         Far         Low         Low survival state start strategiste         Commo Species         Fet         Lowing Ed. Survival State           Atts         0.627         8277.848         8709.0304         Moscendonia         (integ)         Far         Far         Far         Low         Low survival state start strategiste         Commo Species         Fet         Lowing Ed. Survival state         Low survival state start st	A147	91.96	822799.195	837080.953	Acacia confusa	台灣相思	5	191	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 5 degrees
Abb         4279         Model         Mo	A148	91.03	822797.318	837081.063	Acacia confusa	台灣相思	10	255	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees; co-dominant branches; cross branches
Atti         97.99         92721007         937091759         Accia contast         Orfinity         5         Fair         Low         Low subsidiation         Common Species         Fail         Low rp11 degrees           Atti         95.09         92771305         Strates         Strates         Strates         Fair         Fair         Fair         Low subsidiation         Common Species         Fail         Low rp11 degrees           Atti         95.05         92771835         Strates         Strates         Strates         Fair         Fair         Fair         Fair         Low rule data that transplat         Common Species         Fail         Low rule data that transplat           Atti         Strates         Strates         Strates         Strates         Fair         Fair         Fair         Fair         Fair         Low rule data that transplat           Attis         Strates            Strates         Str	A149	89.91	822796.279	837083.008	Acacia confusa	台灣相思	10	191	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees
Att2         85.3         82270.43         83709.257         Accele contrast         (nmm         0.00000000000000000000000000000000000	A150	88.58	822793.967	837081.673	Acacia confusa	台灣相思	8	255	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees
Atta         88.18         82270-317         83703-011         Acada contain         Original         Fill         <	A151	87.59	822792.607	837081.755	Acacia confusa	台灣相思	10	191	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees
AN56         8277.882         83708.064         Meanange tanania         白信         111         4         Pair	A152	86.93	822791.305	837080.215	Acacia confusa	台灣相思	10	350	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; wound at branches; dead branches
AHS5         80.27         82.778.536         87.078.536         Fold         Pare         Fair         Fair         Fair         Fair         Low         Low survival rate date transplant         Common Species         Fel         Learing 5 degrees, co-dominant branches, wound at trunk.           AHS6         82.7712.548         83.7702.554         Acade condua         Chiffle         1         2         5         Fair         Low survival rate dater transplant         Common Species         Fel         Learing 15 degrees, co-dominant branches, wound at trunk           Atta         80.82         82279.058         83707.849         Acade condua         Chiffiell         5         Fair         Fair         Fair         Fair         Low survival rate dater transplant         Common Species         Fel         Learing 15 degrees, co-dominant branches, wound at trunk           Atta         91.43	A153	86.18	822790.431	837080.611	Acacia confusa	台灣相思	6	111	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees; co-dominant branches
A157         88.82         823701.252         Acacia contusa         ①前相思         7         255         5         Fair         Fair         Fair         Low         Low survival rate after transplart         Common Species         Fail         Learing 30 degrees           A158         67.83         622702.897         83707.055         Acacia contusa         ①前相思         12         223         5         Fair	A154	80.65	822778.892	837083.049	Macaranga tanarius	血桐	6	111	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; co-dominant branches
Aris         B 77.8         B 2772.98         B 7072.945         Acacla contiasa         C frifte         C 2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         2         3         7         2         7         4         Fair         Fair         Low         Low survival rate after transplant         Common Species         Fail         Laming 15 degrees: condmit data data data data data data data da	A155	80.27	822778.536	837085.031	Ficus hispida	對萊榕	6	127	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 5 degrees; co-dominant branches
Af58       87.7       83707.4619       Acade contusa       Ap#le       8       127       3       Pair       Pair       Fair       Low       Low survival rate dater transplart       Common Species       Feil       Laming 15 degrees: wound & dacay at branches         At60       88.53       822793.98       83707.305       Acade contusa       Ap#le       8       10       15       4       Fair       Fair       Fair       Fair       Fair       Low       Low survival rate dater transplart       Common Species       Feil       Leaning 15 degrees: co-domarat branches         At61       88.65       822794.068       33707.132       Acade contusa       Ap#le       4       Fair       Low       Low survival rate dater transplart       Common Species       Feil       Leaning 15 degrees: co-domarat branches; wound at branches         At64       91.41       82279.128       83707.470       Acade contusa       Ap#le       4       Fair       Fair       Fair       Fair       Fair       Fair       Fair       Low       Low survival rate dater transplart       Common Species       Feil       Leaning 20 degrees       cods survival rate dater transplart       Common Spec	A157	86.82	822791.524	837070.252	Acacia confusa	台灣相思	7	255	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 30 degrees
Afe0         88.3         82273.984         83707.305         Acacia contusa         Grift Ha         10         159         4         Pair         Pair         Pair         Low         Low survival rate after transplant         Common Species         Fell         Laning 15 degrees           Afe1         88.66         822794.08         837074.39         Acacia contusa         Grift Ha         8         100         4         Pair         Pair         Fair         Low         Low survival rate after transplant         Common Species         Fell         Laning 15 degrees; co-dominant branches; wound at branches           Afe1         91.53         822784.08         83707.154         Acacia contusa         Grift Ha         5         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Fell         Laning 15 degrees; co-dominant branches; wound at branches;           Afe6         91.53         82798.048         83707.154         Acacia contusa         Grift Ha         Fair         Fair         Fair         Fair         Low         Low survival rate after transplant         Common Species         Fell         Laning 15 degrees; co-dominant tranches; wound at tranches; wound at tranches; wound at transplant           Afe6         91.20         822800.168         87070.080<	A158	87.83	822792.897	837072.945	Acacia confusa	台灣相思	12	223	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; co-dominant branches; wound at trunk
Afel       88.66       822794.08       837071.935       Acacia confusa       台前相思       8       180       4       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Feil       Laning 15 degrees; coo-domiant branches; wound at branches;         Arics       90.92       822797.43       83707.412       Acacia confusa       台湾相思       4       111       5       Fair	A159	87.76	822792.877	837074.619	Acacia confusa	台灣相思	8	127	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees; wound & decay at branches
A162       90.92       82797.43       83707.4812       Acacia confusa       Affille       4       111       5       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 20 degrees; cross branches         A164       91.41       822798.208       837075.47       Acacia confusa       Affille       8       191       3       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 20 degrees; cross branches         A164       91.41       822798.128       837075.47       Acacia confusa       Affille       8       191       2       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 20 degrees; cross branches         A166       92.02       822799.108       83707.088       Acacia confusa       Affille       4       191       2       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 20 degrees; cross branches         A166       92.02       822799.108       83707.008       Acacia confusa       Affille       8       191       2       Fair       Fair       Fair	A160	88.63	822793.984	837073.095	Acacia confusa	台灣相思	10	159	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees
Af63       91.53       822798.260       837075.470       Acacia confusa       台灣相思       8       191       3       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 20 degrees         A164       91.41       822798.158       83707.154       Acacia confusa       台灣相思       3       95       5       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 20 degrees         A166       92.07       822799.192       837076.947       Acacia confusa       台灣相思       4       191       2       Fair       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 20 degrees         A167       91.93       82279.045       83707.696       Acacia confusa       台灣相思       8       266       5       Fair       Fair       Fair       Fair       Fair       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 20 degrees, co-dominant trunk; wound at trunk; cross branches         A168       92.14       822797.151       837007.5	A161	88.66	822794.096	837071.935	Acacia confusa	台灣相思	8	180	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees; co-dominant branches; wound at branches
A164       91.41       82278.158       837077.154       Acacia confusa       6fentile       3       95       5       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 20 degrees         A165       92.07       822799.192       837075.047       Acacia confusa       Grifitile       7       207       4       Fair       Fair       Fair       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 20 degrees         A166       92.02       822800.06       837070.098       Acacia confusa       Grifitile       4       191       2       Fair       Fair       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 20 degrees; co-dominant trunk; wound at trunk; coros branches         A168       92.14       822800.08       837072.503       Acacia confusa       Grifitile       8       26       5       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees         A169       9.0.6       822797.123       837072.508<	A162	90.92	822797.443	837074.812	Acacia confusa	台灣相思	4	111	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees; cross branches
A16592.0782799.192837076.947Acacia confusa台湾相思72074FairFairFairFairLowLow survival rate after transplantCommon SpeciesFellLeaning 10 degreesA16692.02822800.166837070.096Acacia confusa台灣相思41912FairFairFairLowLow survival rate after transplantCommon SpeciesFellLeaning 25 degreesA16791.93822799.045837070.096Acacia confusa台灣相思81914FairFairFairLowLow survival rate after transplantCommon SpeciesFellLeaning 26 degreesA16892.14822800.08837069.022Acacia confusa台灣相思82865FairFairFairFairLowLow survival rate after transplantCommon SpeciesFellLeaning 10 degreesA16892.14822800.08837069.022Acacia confusa台灣相思82865FairFairFairLowLow survival rate after transplantCommon SpeciesFellLeaning 10 degreesA17090.6822797.11183707.138Acacia confusa台灣相思71112FairFairFairLowLow survival rate after transplantCommon SpeciesFellLeaning 10 degreesA17190.54822797.12383706.655Acacia confusa台灣相思1112FairFairFairLowLow survival rate after transplant <t< td=""><td>A163</td><td>91.53</td><td>822798.260</td><td>837075.470</td><td>Acacia confusa</td><td>台灣相思</td><td>8</td><td>191</td><td>3</td><td>Fair</td><td>Fair</td><td>Fair</td><td>Fair</td><td>Low</td><td>Low survival rate after transplant</td><td>Common Species</td><td>Fell</td><td></td></t<>	A163	91.53	822798.260	837075.470	Acacia confusa	台灣相思	8	191	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	
A16692.02822800.168837073.088Acacia confusa台湾相思41912FairFairFairFairLowLow survial rate after transplantCommon SpeciesFeilLeaning 25 degreesA16791.93822799.045837070.066Acacia confusa台湾相思81914FairFairFairLowLow survial rate after transplantCommon SpeciesFeilLeaning 25 degrees; co-domiant trunk; wound at t	A164	91.41	822798.158	837077.154	Acacia confusa	台灣相思	3	95	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees
A167       91.93       82279.045       83707.0696       Acacia confusa       台湾相思       8       191       4       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Feil       Leaning 25 degrees; co-dominant trunk; wound at trunk; w	A165	92.07	822799.192	837076.947	Acacia confusa	台灣相思	7	207	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees
A188       92.14       822800.08       837069.022       Acacia confusa       台湾相思       8       286       5       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 20 degrees; wound at trunk         A169       90.96       822797.511       837062.03       Acacia confusa       台湾相思       6       135       2       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees; wound at trunk         A170       90.26       822797.513       837067.18       Acacia confusa       台湾相思       7       111       2       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees; oc-dominant trank         A170       90.54       822797.123       837067.18       Acacia confusa       台湾相思       159       Fair       F	A166	92.02	822800.166	837073.008	Acacia confusa	台灣相思	4	191	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 25 degrees
A169       90.96       822797.511       837072.503       Acacia confusa       合清相       6       135       2       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees         A170       90.26       822796.506       837069.145       Acacia confusa       台湾相思       7       111       2       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees         A171       90.54       822797.123       837067.183       Acacia confusa       台湾相思       159       5       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees; co-dominant branches         A171       90.54       822797.123       837067.76       Malous paniculatus       台灣相       159       5       Fair       Fair<	A167	91.93	822799.045	837070.696	Acacia confusa	台灣相思	8	191	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 25 degrees; co-dominant trunk; wound at trunk; cross branches
A170       90.26       832796.506       837069.145       Acacia confusa       合清相思       7       111       2       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees         A171       90.54       822797.123       837067.138       Acacia confusa       台湾相思       159       5       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees; co-dominant branches         A172       90.89       822797.139       837066.756       Acacia confusa       台湾相思       10       255       Fair       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees; co-dominant branches         A172       90.89       822797.439       837066.756       Acacia confusa       台湾相       4       95       2       Fair       Fair       Fair       Fair       Fair       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 10 degrees; co-dominant branches         A174       87.98       822791.050       837066.14 <td< td=""><td>A168</td><td>92.14</td><td>822800.008</td><td>837069.022</td><td>Acacia confusa</td><td>台灣相思</td><td>8</td><td>286</td><td>5</td><td>Fair</td><td>Fair</td><td>Fair</td><td>Fair</td><td>Low</td><td>Low survival rate after transplant</td><td>Common Species</td><td>Fell</td><td>Leaning 20 degrees; wound at trunk</td></td<>	A168	92.14	822800.008	837069.022	Acacia confusa	台灣相思	8	286	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees; wound at trunk
A171       90.54       822797.123       837067.138       Acacia confusa       合用相思       4       159       5       Fair       Fair       Fair       Fair       Low survival rate after transplant       Common Species       Feil       Leaning 10 degrees; co-dominant branches         A172       90.89       822797.439       837066.755       Acacia confusa       合册相思       10       255       Fair       Fair       Fair       Fair       Low survival rate after transplant       Common Species       Feil       Leaning 10 degrees; co-dominant branches         A173       86.39       822797.415       837067.776       Mallotus paniculatus       白根       4       95       2       Fair       Fair       Fair       Fair       Fair       Low survival rate after transplant       Common Species       Feil       Leaning 20 degrees; co-dominant branches; wound at trunk         A173       86.39       822790.295       837066.736       Mallotus paniculatus       白根       95       2       Fair       Low survival rate after transplant       Common Species       Feil       Leaning 20 degrees; co-dominant branches; wound at trunk         A175       8	A169	90.96	822797.511	837072.503	Acacia confusa	台灣相思	6	135	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees
Arr2       Barrow       Acade confusa       合併相       File	A170	90.26	822796.506	837069.145	Acacia confusa	台灣相思	7	111	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees
A173       88.59       822794.15       837067.76       Mallotus paniculatus       白根       4       95       2       Fair       Fair       Fair       Low survival rate after transplant       Common Species       Fell       Leaning 20 degrees; co-dominant branches; wound at trunk         A174       87.93       822793.095       837088.134       Mallotus paniculatus       白根       7       111       2       Fair       Fair       Fair       Low survival rate after transplant       Common Species       Fell       Leaning 20 degrees; co-dominant branches; wound at trunk         A175       86.34       822790.209       837066.059       Acacia confusa       Grift       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 40 degrees; cross branches; wound at trunk         A175       86.34       822790.209       837066.059       Acacia confusa       Grift       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 40 degrees; cross branches; exposed root         A175       86.34       822790.209       837066.059       Acacia confusa       Grift       Fair       Fair       Fair       Fair       Low       Low survival rate after transplant <td>A171</td> <td>90.54</td> <td>822797.123</td> <td>837067.138</td> <td>Acacia confusa</td> <td>台灣相思</td> <td>4</td> <td>159</td> <td>5</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Fair</td> <td>Low</td> <td>Low survival rate after transplant</td> <td>Common Species</td> <td>Fell</td> <td>Leaning 10 degrees; co-dominant branches</td>	A171	90.54	822797.123	837067.138	Acacia confusa	台灣相思	4	159	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; co-dominant branches
A173       88.59       822794.115       837067.776       Mallotus paniculatus       白根       4       95       2       Fair       Fair       Fair       Low survival rate after transplant       Common Species       Fell       Leaning 20 degrees; co-dominant branches; wound at trunk         A174       87.93       822793.095       837088.134       Mallotus paniculatus       白根       7       111       2       Fair       Fair       Fair       Low survival rate after transplant       Common Species       Fell       Leaning 20 degrees; co-dominant branches; wound at trunk         A175       86.34       822790.209       837066.059       Acacia confusa       台灣相思       6       159       8       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 40 degrees; cross branches; exposed root         A175       86.34       822790.209       837066.059       Acacia confusa       台灣相思       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 40 degrees; cross branches; exposed root	A172	90.89	822797.439	837066.655	Acacia confusa	台灣相思	10	255	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees
A175       86.34       822790.209       837066.059       Acacia confusa       台灣相思       6       159       8       Fair       Fair       Fair       Fair       Common Species       Fell       Leaning 40 degrees; cross branches; exposed root	A173	88.59	822794.115	837067.776	Mallotus paniculatus	白楸	4	95	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees; co-dominant branches; wound at trunk
A175       86.34       822790.209       837066.059       Acacia confusa       台灣相思       6       159       8       Fair       Fair       Fair       Low       Low survival rate after transplant       Common Species       Fell       Leaning 40 degrees; exposed root	A174	87.93	822793.095	837068.134	Mallotus paniculatus	白楸	7	111	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 5 degrees
	A175	86.34	822790.209	837066.059			6	159	8	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant		Fell	Leaning 40 degrees; cross branches; exposed root
	A176	86.59	822790.722	837065.486	Bridelia tomentosa	土蜜樹	6	111	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant		Fell	Leaning 10 degrees; Abrupt trunk

Tree Assessment Schedule

Date of Tree Survey : 16 February 2023

Tree	Level at Base	Coord		Species			Tree Size		Amenity value	Form (Good,	Health condition	Structural		Suitability for transplanting	Conservation status** (OVT/ Common Species/ Scheduled under Cap 96/ Protected under Cap 58/ Rare &	Recommendation (Transplant/ Retain/	Remarks
Tag No.	(mPD)	(Northing,	, Easting)	Scientific Name	Chinese Name	Overall Height (m)	Trunk Diameter (mm)	Average Crown Spread (m)	(Good, Fair, Poor)	Fair, Poor)	(Good, fair, Poor)	(Good, Fair, Poor)	High/ Medium/ Low	Remarks*	Precious Plants/ IUCN Red List of Threatened Species/	Fell)	
A177	86.27	822790.511	837063.549	Acacia confusa	台灣相思	7	191	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 5 degrees
A178	86.57	822790.725	837063.378	Sterculia lanceolata	假蘋婆	6	127	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	
A179	85.89	822789.629	837062.862	Sterculia lanceolata	假蘋婆	5	95	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	
A180	85.77	822789.424	837062.321	Acacia confusa	台灣相思	4	111	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees
A181	86.01	822789.509	837060.977	Acacia confusa	台灣相思	5	191	6	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; co-dominant branches
A182	86.86	822791.342	837061.737	Mallotus paniculatus	白楸	5	95	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 5 degrees; crack at branches
A183	87.21	822791.979	837062.090	Acacia confusa	台灣相思	7	191	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 5 degrees; co-dominant branches; cross branches
A184	88.37	822793.578	837062.209	Acacia confusa	台灣相思	6	159	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; dead branches
A185	88.47	822793.631	837062.523	Acacia confusa	台灣相思	6	191	4	Poor	Poor	Poor	Poor	Low	Low survival rate after transplant	Common Species	Fell	Leaning 25 degrees; uproot; exposed root
A186	88.46	822794.035	837064.635	Acacia confusa	台灣相思	6	175	6	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees
A187	88.39	822793.908	837065.440	Sterculia lanceolata	假蘋婆	6	111	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Landar II. Januar
A188	89.11	822794.809	837065.413	Acacia confusa	台灣相思	6	127	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees
A189	89.90	822796.095	837063.612	Acacia confusa	台灣相思	5	95	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 30 degrees
A190	90.96	822798.728	837065.027	Mallotus paniculatus	白楸	4	127	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Crack; split at branches
A191	91.74	822798.364	837059.075	Ficus hispida	對萊榕	4	111	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	multi-branches
A192	90.11	822796.232	837060.969	Acacia confusa	台灣相思	6	95	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 30 degrees
A193	86.19	822789.656	837056.051	Acacia confusa	台灣相思	3	111	4	Poor	Poor	Poor	Poor	Low	Low survival rate after transplant	Common Species	Fell	Leaning 25 degrees; broken trunk
A194	86.12	822789.554	837054.456	Acacia confusa	台灣相思	3	159	6	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 35 degrees
A195	87.88	822792.524	837054.328	Acacia confusa	台灣相思	8	223	5	Poor	Poor	Poor	Poor	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees; uproot; exposed root
A196	83.56	822783.355	837056.017	Acacia confusa	台灣相思	10	191	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees
A197	81.58	822779.092	837055.141	Acacia confusa	台灣相思	12	255	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; co-dominant branches
A198	80.77	822778.548	837054.396	Acacia confusa	台灣相思	10	191	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees; wound and decay at branches
A199	85.53	822786.676	837050.836	Acacia confusa	台灣相思	4	159	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 30 degrees; cavity with decay at trunk Leaning 10degrees
A200	85.58 79.63	822786.706	837049.844 837053.979	Acacia confusa	台灣相思	6	255	6	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning Todegrees Leaning 35 degrees; abrupt trunk; co-dominant branches
A201 A202	79.63 81.54	822767.395 822779.482	837053.979	Acacia confusa Acacia confusa	台灣相思 台灣相思	10	573 223	12	Fair Fair	Fair Fair	Fair Fair	Fair Fair	Low Low	Low survival rate after transplant	Common Species Common Species	Fell	Leaning 35 degrees, abright turn, co-dominant branches
A202 A204								4			Fair					Fell	co-dominant branches
A204 A205	83.29 83.87	822782.930 822783.553	837046.752 837048.792	Sterculia lanceolata Acacia confusa	假蘋婆 台灣相思	5 10	111 350	8	Fair Fair	Fair Fair	Fair	Fair Fair	Low Low	Low survival rate after transplant	Common Species Common Species	Fell	Leaning 30 degrees: co-dominant branches: cross branches
A205	84.57	822785.029	837049.820		台灣相思	10	223	3	-					Low survival rate after transplant		Fell	Leaning 20 degrees; co-dominant branches
A200	85.34	822786.298	837046.213	Acacia confusa Sterculia lanceolata	但蘋婆	4	143	5	Fair Fair	Fair Fair	Fair Fair	Fair Fair	Low Low	Low survival rate after transplant	Common Species Common Species	Fell	co-dominant branches
A207	84.63	822785.022	837044.617	Acacia confusa	台灣相思	8	223	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees; co-dominant branches
A200	84.53	822784.513	837043.461	Acacia confusa	台灣相思	6	270	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees; co-dominant trunk
A203	83.51	822783.009	837041.433	Acacia confusa	台灣相思	8	191	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees
A211	83.54	822783.193	837039.880	Acacia confusa	台灣相思	8	191	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees
A211	83.34	822782.548	837038.155	Acacia confusa	台灣相思	6	159	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees
A212 A213	81.24	822778.766	837044.220	Sterculia lanceolata	假蘋婆	4	127	3	Poor	Poor	Poor	Poor	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees; co-dominant branches; uproot and exposed root
A214	79.96	822776.728	837036.951	Broussonetia papyrifera	構樹	6	95	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees
A215	80.69	822777.951	837035.984	Ficus hispida	對萊榕	5	95	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees; co-dominant trunk; co-dominant branches
A216	82.43	822781.087	837036.136	Acacia confusa	台灣相思	8	255	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees; co-dominant branches; cross branches
A217	84.57	822783.910	837036.345	Acacia confusa	台灣相思	4	286	6	Poor	Poor	Poor	Poor	Low	Low survival rate after transplant	Common Species	Fell	Leaning 30 degrees; cross branches; uproot; exposed root
A219	84.32	822784.155	837033.439	Acacia confusa	台灣相思	10	271	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Retain	
A215	86.21	822789.324	837050.589	Acacia confusa	台灣相思	12	286	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees
A226	87.36	822791.816	837051.760	Acacia confusa	台灣相思	7	159	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees
A220 A227	87.38	822791.903	837052.239	Acacia confusa	台灣相思	4	135	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 5 degrees; co-dominant trunk
A227	87.94	822791.903	837052.239	Acacia confusa	台灣相思	4	159	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 5 degrees; dead branches
A228 A229	88.15	822792.973	837050.640	Acacia confusa	台灣相思	7	207	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees
A229 A230	88.61	822793.514	837049.532	Acacia confusa	台灣相思	6	127	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees; co-dominant trunk
A230 A231	89.45	822795.151	837049.532	Acacia confusa Acacia confusa	台灣相思	7	95	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees; abrupt trunk
A231 A232	90.22	822795.131	837052.853	Sterculia lanceolata	百两相忠 假蘋婆	4	95	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 5 degrees
A232 A233	90.22	822790.438	837052.855	Acacia confusa	100 頻發 台灣相思	4	111	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 30 degrees
A233 A234	90.04 89.91	822795.430	837053.884	Acacia confusa	台湾相思	8	159	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees
A234 A235	89.42	822795.430	837054.959	Acacia confusa	台湾相思	o 10	414	6	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	co-dominant branches
A235 A236	89.42 90.33	822794.804 822796.287	837047.730	Acacia confusa Acacia confusa	台湾相思	8	255	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant Low survival rate after transplant	Common Species	Fell	co-dominant branches
1230	30.33	322130.201	337047.070	Acacia coniusa	口何相心	0	200		raii	raii	raii	raii	LOW	Low survivarrate aner trafispiant	Common Species	Feil	

Tree Assessment Schedule

Date of Tree Survey : 16 February 2023

Tree	Level at Base	Coord		Species			Tree Size		Amenity value	Form (Good,	Health condition	Structural	:	Suitability for transplanting	Conservation status** (OVT/ Common Species/ Scheduled under Cap 96/ Protected under Cap 58/ Rare &	Recommendation (Transplant/ Retain/	Remarks
Tag No.	(mPD)	(Northing		Scientific Name	Chinese Name	Overall Height (m)	Trunk Diameter (mm)	Average Crown Spread (m)	(Good, Fair, Poor)	Fair, Poor)	(Good, fair, Poor)	(Good, Fair, Poor)	High/ Medium/ Low	Remarks*	Precious Plants/ IUCN Red List of Threatened Species/	Fell)	
A237	90.96	822797.395	837048.116	Acacia confusa	台灣相思	8	191	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	co-dominant branches
A238	91.33	822798.256	837046.939	Acacia confusa	台灣相思	8	223	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	dead branches
A239	91.08	822797.401	837044.675	Acacia confusa	台灣相思	4	127	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 40 degrees
A241	89.02	822793.986	837053.290	Acacia confusa	台灣相思	10	255	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees
A242	89.43	822794.410	837042.716	Mallotus paniculatus	白楸	6	223	6	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees; cavity at trunk
A244	86.19	822789.230	837043.026	Acacia confusa	台灣相思	8	286	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	co-dominant trunk; v-shaped; wound at trunk
A249	89.81	822794.374	837033.943	Acacia confusa	台灣相思	10	223	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Retain	dead branches
A250	87.40	822791.741	837033.925	Acacia confusa	台灣相思	6	127	1	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Retain	dead branches; wound at branches
A251	92.38	822799.044	837034.970	Acacia confusa	台灣相思	6	334	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; co-dominant branches
A542	88.27	822802.806	837120.255	Acacia confusa	台灣相思	4	111	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; cavity at branches
A543	88.95	822803.930	837119.578	Acacia confusa	台灣相思	7	143	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees
A544	89.35	822804.776	837119.087	Acacia confusa	台灣相思	6	111	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees
A545	89.67	822805.529	837119.274	Acacia confusa	台灣相思	8	239	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning30 degrees; co-dominant branches; exposed root
A546	89.46	822804.061	837118.761	Acacia confusa	台灣相思	8	271	5	Fair	Fair	Fair	Poor	Low	Low survival rate after transplant	Common Species	Fell	Leaning 40 degrees
A547	89.78	822803.971	837117.965	Acacia confusa	台灣相思	10	191	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees
A548	88.98	822801.596	837118.443	Acacia confusa	台灣相思	10	255	6	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 30 degrees
A550	89.50	822800.026	837116.165	Acacia confusa	台灣相思	6	95	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	
A551	90.11	822808.361	837118.377	Acacia confusa	台灣相思	4	111	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	
A552	90.39	822811.910	837116.524	Mallotus paniculatus	白楸	4	127	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees; exposed root
A556	90.00	822813.704	837116.655	Acacia confusa	台灣相思	7	223	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; dead branches
A558	90.99	822813.378	837114.527	Acacia confusa	台灣相思	10	405	8	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees; co-dominant trunk; cavity at trunk; cross branches
A559	92.04	822811.744	837112.781	Acacia confusa	台灣相思	8	540	10	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees; co-dominant trunk; co-dominant branches; wound at branches;
A560	91.70	822814.715	837112.066	Acacia confusa	台灣相思	10	630	12	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	cross branches
A562	92.34	822815.606	837106.607	Livistona chinensis	蒲葵	2	223	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	
A563	92.31	822817.351	837105.061	Livistona chinensis	蒲葵	2	223	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	
A566	93.21	822818.920	837094.672	Livistona chinensis	蒲葵	2	223	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Transplant	
A568	92.01	822824.107	837097.392	Mallotus paniculatus	白楸	5	286	6	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 5 degrees; co-dominant branches
A569	91.31	822822.723	837100.212	Mallotus paniculatus	白楸	5	239	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 30 degrees
A571	90.47	822820.864	837104.645	Microcos nervosa	布渣葉	4	111	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees
A572	90.39	822820.448	837106.439	Acacia confusa	台灣相思	7	207	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; co-dominant branches
A573	90.39	822819.434	837108.518	Aporusa dioica	銀柴	5	143	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	co-dominant branches
A574	90.83	822818.462	837109.210	Acacia confusa	台灣相思	8	382	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; co-dominant branches; wound at branches
A576	89.01	822817.252	837115.498	Mallotus paniculatus	白楸	6	159	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; co-dominant branches
A577	78.17	822771.259	837095.241	Ficus hispida	對葉榕	7	315	6	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; co-dominant trunk; co-dominant branches
A578	79.57	822771.494	837090.390	Ficus hispida	對萊榕	5	111	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; multi-branches
A579	79.72	822771.628	837082.522	Mallotus paniculatus	白楸	6	111	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees
A580	78.70	822767.140	837077.722	Macaranga tanarius	血桐	7	175	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees
A582	79.49	822767.965	837071.924	Mallotus paniculatus	白楸	5	143	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees
A583	79.32	822767.109	837071.822	Mallotus paniculatus	白楸	6	127	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees
A584	78.21	822765.451	837071.524	Celtis sinensis	朴樹	5	127	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees
A585	78.40	822764.874	837069.384	Syzygium jambos	蒲桃	6	191	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees
A586	78.66	822764.626	837067.526	Bauhinia variegata	宫粉羊蹄甲	10	540	8	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees; co-dominant trunk; v-shaped
A616	77.19	822765.061 822765.004	837077.484 837078.884	Ficus hispida	對莱格	6	127	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees Leaning 10 degrees; multi-trunks
A617	76.87	822765.004 822764.139		Microcos nervosa	布渣葉	6		5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees
A618			837079.154	Microcos nervosa	布渣葉	-	95	_	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees; co-dominant branches; cavity and decay at trunk base
A619 A620	77.22 77.76	822766.411 822767.960	837083.628 837086.053	Mallotus paniculatus	白楸	5	223 111	6	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; co-dominant branches
	77.93	822767.960 822769.430	837086.053 837089.997	Microcos nervosa	布渣葉	5			Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 10 degrees; co-dominant branches Leaning 15 degrees; co-dominant branches
A621				Bridelia tomentosa	土蜜樹	-	95	2	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Loaning to degrees, co-dominant branches
E1	92.61	822820.332	837095.239	Livistona chinensis	蒲葵	5	223	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Transplant	
E2	92.34	822815.715	837102.146	Livistona chinensis	蒲葵	-	207	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Transplant	Leaning 20 degrees; abrupt trunk: wound at trunk: wound at branches: cross branches:
E3	92.18	822810.872	837103.658	Acacia confusa	台灣相思	7	302	8	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	broken branches; exposed root Leaning 26 degrees; abrupt trunk; ; co-dominant branches; abnormal bark crack at
E5	92.03	822810.043	837106.772	Acacia confusa	台灣相思	4	350	6	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Learning 20 degrees, aurupt truink, , cordonninant triancines, aurionniar bank crack at trunk & branches

#### Tree Assessment Schedule

Date of Tree Survey : 16 February 2023

#### Surveyed by : Mr Ng Sze Yuen, Jason

Tree	Level at Base	Coord		Species			Tree Size		Amenity value	Form (Good,	Health condition	Structural condition		Suitability for transplanting	Conservation status** (OVT/ Common Species/ Scheduled under Cap 96/ Protected under Cap 58/ Rare &	Recommendation (Transplant/ Retain/	Remarks
Tag No.	(mPD)	(Northing,	, Easting)	Scientific Name	Chinese Name	Overall Height (m)	Trunk Diameter (mm)	Average Crown Spread (m)	(Good, Fair, Poor)	Fair, Poor)	(Good, fair, Poor)	(Good, Fair, Poor)	High/ Medium/ Low	Remarks*	Precious Plants/ IUCN Red List of Threatened Species/	Fell)	reinu ka
E6	92.19	822813.102	837106.246	Livistona chinensis	蒲葵	3	286	3	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Transplant	
E7	92.21	822807.928	837106.115	Acacia confusa	台灣相思	6	223	6	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 25 degrees; abrupt trunk; ; co-dominant branches; wound and decay at trunk; exposed root
E9	92.18	822806.134	837107.058	Acacia confusa	台灣相思	6	350	8	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees; co-dominant branches; cross branches; exposed root
E10	92.19	822805.253	837105.674	Acacia confusa	台灣相思	7	207	5	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees; abrupt trunk; cavity at trunk; exposed root
E11	92.18	822803.837	837103.947	Acacia confusa	台灣相思	4	255	6	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 20 degrees; abrupt trunk; ; co-dominant branches; cavity at branches
E12	92.20	822804.424	837102.744	Acacia confusa	台灣相思	7	414	4	Fair	Fair	Fair	Fair	Low	Low survival rate after transplant	Common Species	Fell	Leaning 15 degrees; dead stub; exposed root
E13	92.31	822805.017	837085.855	Ficus microcarpa	細葉榕	12	891	6	Poor	Poor	Poor	Poor	Low	Low survival rate after transplant	Common Species	Retain	Leaning 10 degrees; multi-branches; co-dominant branches; dead stub; fungal fruting bodies; exposed root
E14	92.36	822807.873	837079.658	Ficus microcarpa	細葉榕	5	796	1	Poor	Poor	Poor	Poor	Low	Low survival rate after transplant	Common Species	Retain	Leaning 15 degrees; abnormal bark crack; pruning wound; decay; exposed root; decay root
E15	92.45	822807.811	837075.688	Ficus microcarpa	細葉榕	14	828	8	Poor	Poor	Poor	Poor	Low	Low survival rate after transplant	Common Species	Retain	Leaning 20 degrees; ; co-dominant branches; pruning wound; wound & decay at branches; exposed root
E16	92.79	822807.900	837071.562	Ficus microcarpa	細葉榕	14	923	8	Poor	Poor	Poor	Poor	Low	Low survival rate after transplant	Common Species	Retain	Leaning 20 degrees; co-dominant branches;wound at branches exposed root; decay at root
E24	92.78	822823.062	837086.365	Ficus microcarpa	細葉榕	10	700	8	Poor	Poor	Poor	Poor	Low	Low survival rate after transplant	Common Species	Retain	Leaning 10 degrees; co-dominant branches; decay and wound at branches; cross branches; exposed root
E25	92.66	822818.664	837087.074	Ficus microcarpa	細葉榕	10	796	8	Poor	Poor	Poor	Poor	Low	Low survival rate after transplant	Common Species	Retain	Leaning 20 degrees
E26	92.59	822814.954	837087.633	Ficus microcarpa	細葉榕	8	573	4	Poor	Poor	Poor	Poor	Low	Low survival rate after transplant	Common Species	Retain	Leaning 10 degrees; co-dominant branches; cavity with decay at branches; dead stub; exposed root
E27	92.45	822811.319	837087.482	Ficus microcarpa	細葉榕	8	462	4	Poor	Poor	Poor	Poor	Low	Low survival rate after transplant	Common Species	Retain	Leaning 10 degrees; dead stub; wound at trunk; decay at branches; exposed root; decay at root
E68	92.47	822804.422	837051.930	Ficus microcarpa	細葉榕	18	1019	12	Poor	Poor	Poor	Poor	Low	Low survival rate after transplant	Common Species	Retain	Leaning 15degrees; co-dominant branches; wound at trunk; exposed root

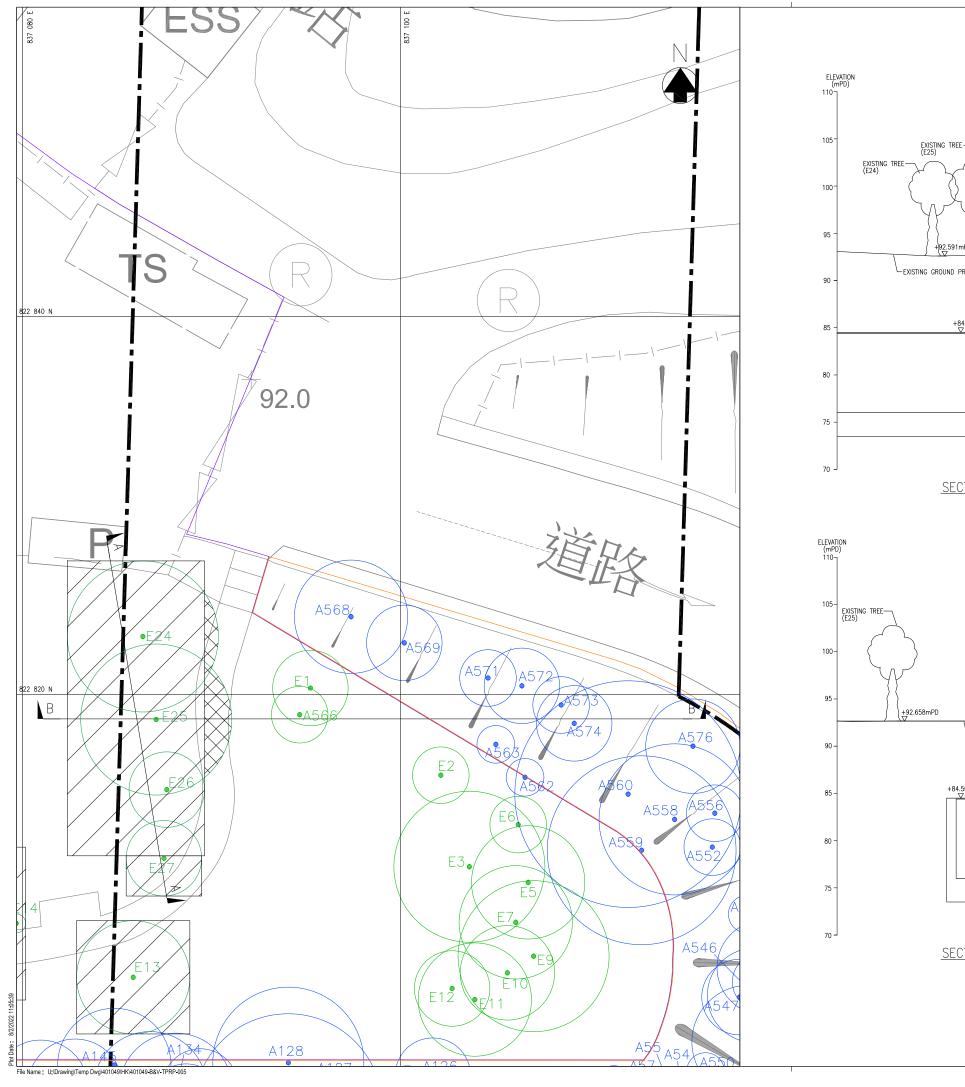
* Assessment shall take into account conditions of an individual tree at the time of survey (including health, structure, age and root conditions), site conditions (including topography and accessibility), and intrinsic characters of tree species (survival rate after transplanting).

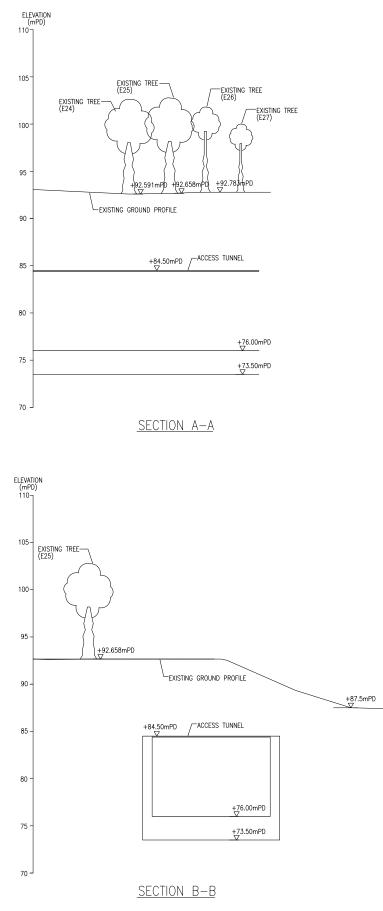
* Conservation status (indicates rarity and protection status under relevant ordinances of a species in Hong Kong. References such as Rare and Precious Plants of Hong Kong², the IUCN Red List of Threatened Species³ and the Forests and Countryside Ordinances (Cap. 96) may be used.)

² Agriculture, Fisheries and Conservation Department, Rare and Precious Plants of Hong Kong (Hong Kong: AFCD, the Government of the Hong Kong Special Administrative Region, 2003).

³ IUCN Red List of Threatened Species. The latest version can be accessed at www.iucnredlist.org.

Appendix G - Typical Cross Section of Retaining Tree





Dete 04/21 04/21 04/21 04/ Approved  Agreement No. CE 15/2018 (WS)  Project Title  RELOCATION OF DIAMOND HILL FRESH WATER AND SALT WATER SERVICE RESERVOIRS TO CAVERNS  Drowing Title  TYPICAL CROSS SECTION OF TREES RETAINED		© Copyrig	ht by Binnies Hon	g Kong Limited								
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Appendix H – Method Statement for Tree Preservation and Protection

# METHOD STATEMENT FOR TREE PRESERVATION AND PROTECTION

# 1. Introduction

A specialist landscape contractor from the "List of Approved Suppliers of Materials and Specialist Contractors for Public Works - Landscaping: Class I - General Landscape Work" shall be engaged to carry out the works relating to trees that shall include but not be limited to tree protection, tree surgery work, control of pests and diseases and transplanting.

The contractor shall assign tree protection issues to a suitably qualified and experienced full-time member of the site staff This member of staff shall be responsible for monitoring and reporting on all tree related issues. All tree survey work shall be supervised by a qualified Arborist or Registered Landscape Architect.

To protect the trees to be retained, the Contractor shall ensure the following for the whole duration of the Contract:

- No unnecessary intrusions such as passage or parking into tree protection areas of existing trees are to be made;
- no access routes will be allowed to pass through existing treestands;
- the limits of site clearance are to be agreed with the Landscape Architect/Engineer on site before site clearance commences;
- no nails or other fixings shall be driven into trees;
- no soil, materials, equipment or machinery shall be stockpiled or stored within tree protection areas;
- no fencing or signs shall be attached to trees;
- no materials or machinery shall be stored under or against trees;
- no workshop, canteens, or similar shall be installed beneath trees, nor shall equipment maintenance etc. be carried out under trees;
- no trees shall be used as anchors for ropes or chains used in guying, pulling and the like;
- any flammable material or other materials likely to be injurious to the trees shall be kept away from the tree protection areas;
- no fires shall be lit inside or within 5m of the tree protection zone;
- no unauthorized stripping of surface vegetation within tree protection areas;
- no concrete mixing or use or washing out of chemicals shall take place within the tree protection zone;
- excessive water shall be drained away from the tree protection area;
- adjacent felling of trees is done so as not to damage or affect the health of retained trees;
- no unauthorized use of herbicides shall be permitted within the tree protectionzone;
- Any equipment shall be carefully operated to avoid causing damage to thetrees;
- alkaline fills or paving shall not be applied within the tree protection zone;

To enhance the health and the appearance of the retained trees, advance tree surgery works may be required prior to any construction activity. The following tree surgery work may be required.

## 2. Crown Thinning

Generally, no crown thinning should be necessary on the retained trees except where preparation works for root pruning are required or as per item i and ii above.

- i. Removal of broken, damaged and diseased branches;
- ii. Removal of weak or crossing branches to ensure a well-balanced crown.
- iii. Protection by fencing;
- iv. Securing of trees with cables throughout the construction period.

### 3. Root Pruning

Generally, no root pruning shall be permitted on the retained trees except where permission for pruning has been obtained in the Approved Tree Removal Application or for trees identified for transplanting. The contractor shall submit method statements for the proposed pruning works to the Landscape Architect/Engineer prior to commencing root pruning works.

### 4. Securing and Staking Retained Trees

During construction work and for the duration of the contract, should the site conditions require (e.g. local excavations in the vicinity of tree roots or removal of adjacent trees thus exposing retained trees to risk of wind blow), existing trees should be provided with adequate physical support including securing and tying to temporary supports. The contractor shall be liable for the cost of reinstatement of any tree that dies or is damaged due to lack of support and protection. The area of trunk guyed above ground shall be wrapped with pads of hessian or rubber to prevent the tie from chafing the trunk or branches. Retained trees shall be secured with 3 no. cables from the trunk attached to metal stakes 1000mm long driven 700mm into the ground.

### 5. Pruning works

Damaged branches or branches that must be removed shall be carefully pruned using a sharp clean implement to give a single flat sloping face cut and wounds shall be left open to the air to self-heal. All pruning works are to be supervised by a qualified arborist and are to be in accordance with recognized best practice including the Development Bureau's guidelines on pruning works.

# 6. Pests & Fungal Growth

The site shall be regularly checked for any insect or termite attack or fungus infestation particularly during known periods of activity. Remedial measures shall be carried out. All pesticides, fungicides or chemicals shall be propriety products registered in Hong Kong. Use of sprayed insecticide/fungicides shall only be permitted in strict accordance with the manufacturer's instructions. Use of such materials shall be undertaken with due care and have regard to the safety, environmentally friendly and convenience of the general public and is to be carefully controlled to

avoid unnecessary dispersion. In the case of termite attack, specialists shall be employed by the contractor to provide proposals to eliminate the termites and shall submit monthly monitoring reports throughout the contract and the Establishment Period.

# 7. Maintenance/Establishment Works

Retained trees shall be maintained from site possession until the completion of the project by the contractor who shall engage staff suitably trained and experienced in arboricultural and tree surgery works to undertake the task. The maintenance works shall include all measures necessary to establish and maintain the trees in an acceptable, vigorous and healthy growing condition.

# 8. Creation and Protection of the Cordon Zone by protective fencing

Tree protective chain link fence shall be erected before other works commence. Protective fencing (minimum 1.5m high) should be erected beyond the crown spread/drip line or the designed protection zone of all existing trees. The protective chain link fence with cover strip to be installed on a concrete base. The protective fence shall be restricted only to workers directly involved in tree work. No construction worker shall enter the cordon zone (CZ). No construction equipment or materials shall breach the CZ. No fires shall be lit in or near the CZ and hoisted materials shall not encroach into the CZ. Where there is a risk of the entry of contaminated construction water and other effluent into the CZ, the base of the protective fence shall be sealed by sand bags at least 200 mm tall if necessary or instructed by the Landscape Architect/Engineer.

# 9. Monitoring System

The performance of the retained trees shall be monitored throughout the project construction period on a monthly basis by the submission of Tree Protection Reports. Tree growth conditions with reference to trunk, branches, foliage, soil and root, any arboricultural problems and associated remedial measures shall be recorded. Any construction activities that may impact the trees negatively shall be reported well in advance by the Contractor to the Landscape Architect/Engineer for planning of preventive tree work to avoid possible damages

The contractor shall report to the management office the day's establishment work on the retained trees and a countersigned record log book of the work carried out shall be kept at the site office and made available for inspection. All non-routine tree problems are to be promptly reported to the Landscape Architect/Engineer.

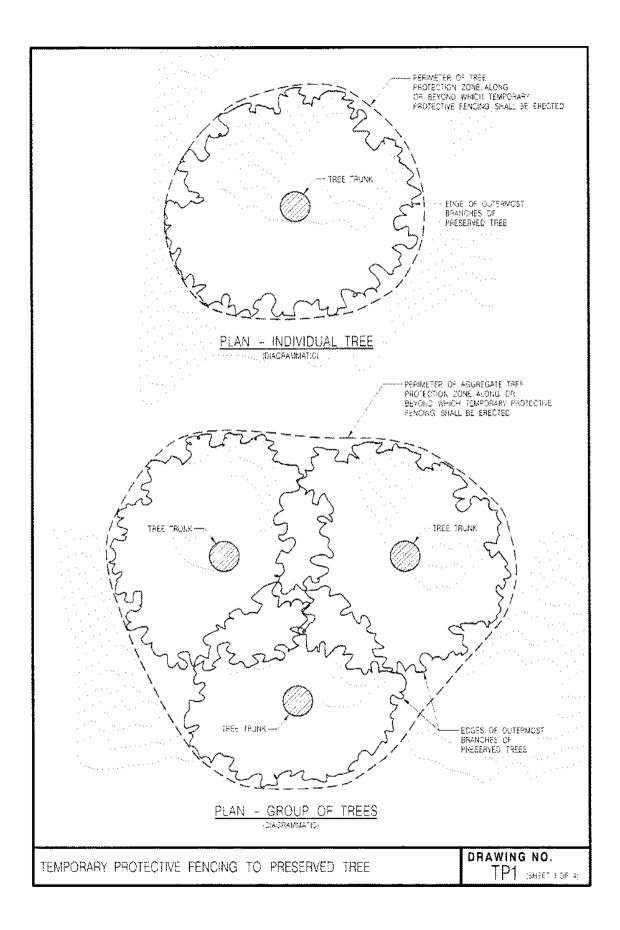
Photographs shall be taken at the following key stages of the tree works:

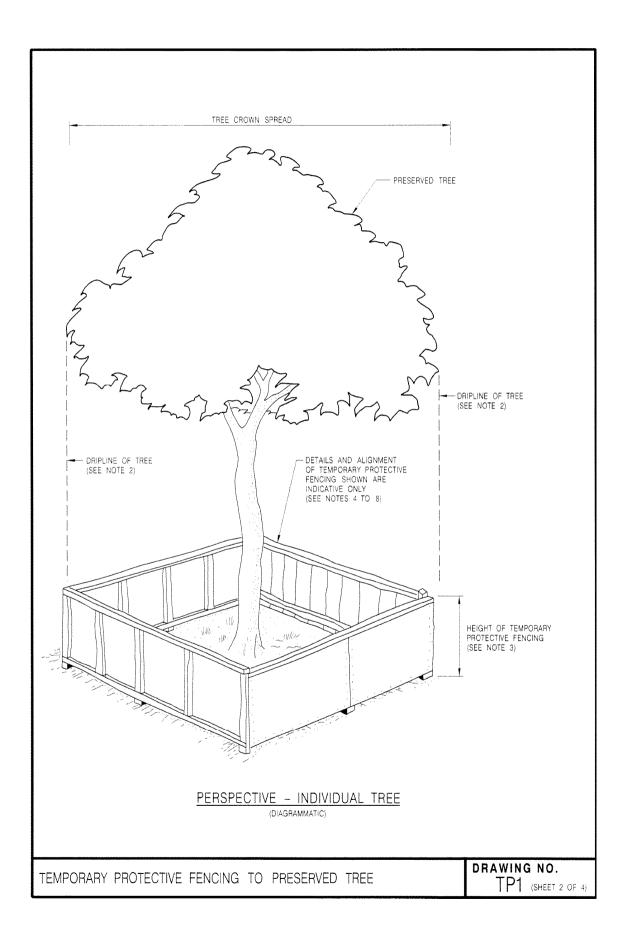
- i. Before commencement of construction;
- ii. Monthly, throughout the construction and establishment period.

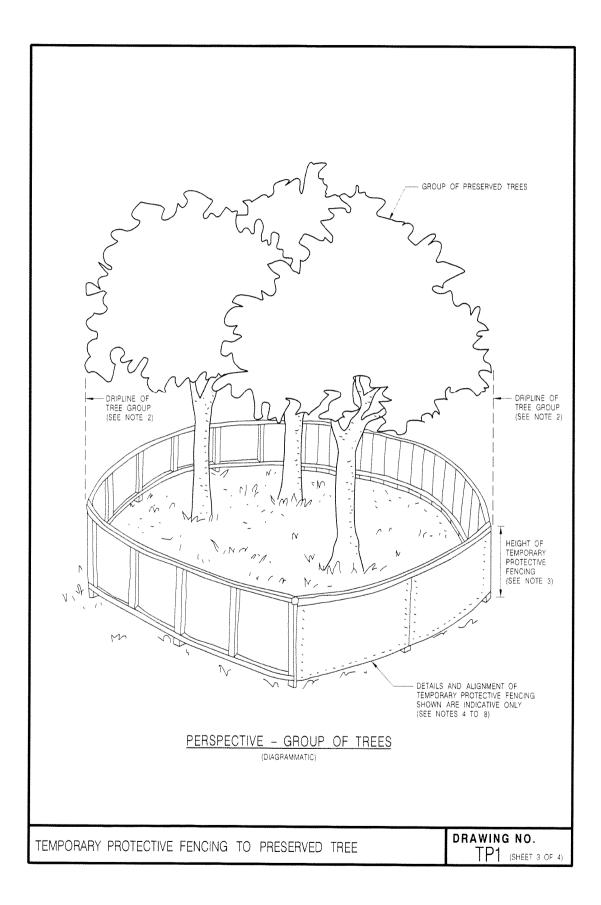
Monthly progress reports with progress photographs on the status of the retained trees including statements on their health should be prepared by the contractor's tree specialist or arborist for the Landscape Architect/Engineer's review and a complete copy provided at the stage of Certificate of Completion.

# **Drawings for Tree Protection Works**

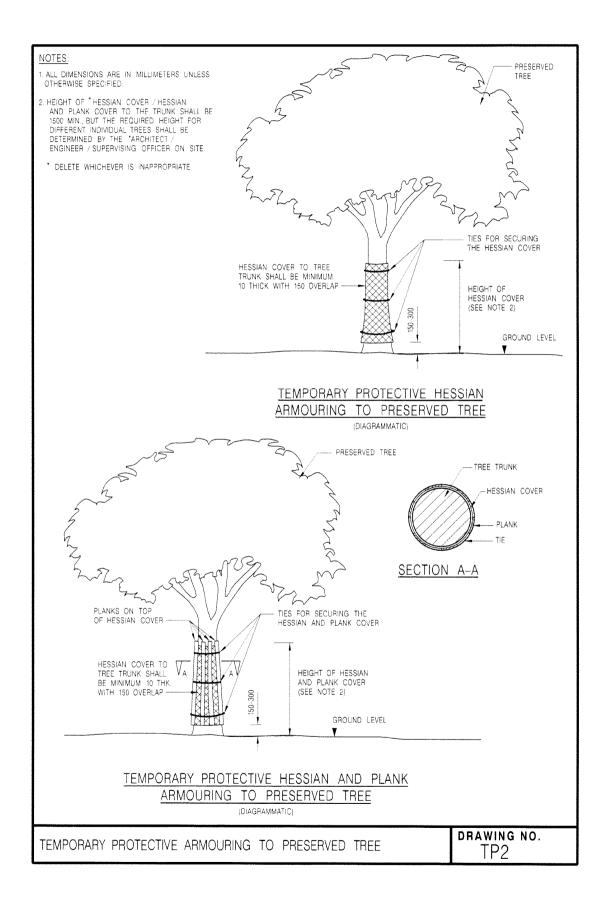
- TP1 Temporary Protective Fencing to Preserved Tree
- TP2 Temporary Protective Armouring to Preserved Tree
- TP3 Temporary Protective Mulching to Preserved Tree

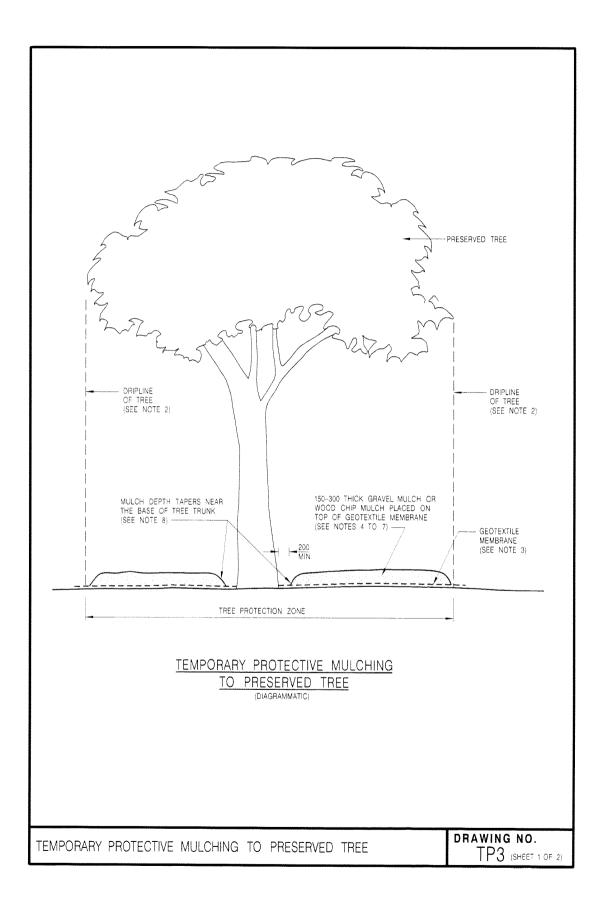






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HE	EIGHT OF TEMPORARY PROTECTIVE FENCING SHALL BE 1500 MINIMUM BUT THE REQUIRED IGHT SHALL BE DETERMINED BY THE *ARCHITECT / ENGINEER / SUPERVISING OFFICER WHEN PROVING THE CONSTRUCTION DETAILS OF THE FENCING AS REFERRED TO IN NOTE 8	
IMF AN AN API	MPORARY PROTECTIVE FENCING SHALL BE STRONG AND APPROPRIATE FOR RESISTING THE PACTS OF CONSTRUCTION ACTIVITIES ON THE SITE. IT SHALL BE MADE OF ROBUST MATERIALS D SHALL COMPRISE A VERTICAL AND HORIZONTAL SCAFFOLDING FRAMEWORK, WELL BRACED D SUPPORTING **CHAIN LINK FENCING / STEEL SHEET FENCING, OR OTHER FENCING AS PROVED BY THE "ARCHITECT / ENGINEER / SUPERVISING OFFICER. ONLY IN EXCEPTIONAL RCUMSTANCES SHALL PLASTIC WEBBING BE CONSIDERED.	
RE	E ALIGNMENT OF TEMPORARY PROTECTIVE FENCING CAN BE IN CIRCULAR, SQUARE, CTANGULAR OR ANY OTHER SHAPE SO LONG AS THE FENCING INCLUDING ITS FOUNDATIONS JES NOT ENCROACH INTO THE TREE PROTECTION ZONE.	
EN	LOCKABLE GATE SHALL BE PROVIDED TO THE TEMPORARY PROTECTIVE FENCING TO ALLOW TRY FOR CARRYING OUT THE NECESSARY ARBORICULTURAL WORKS OR MAINTENANCE WORKS TO E TREE OR ANY OTHER APPROVED WORKS WITHIN THE TREE PROTECTION ZONE.	
	ARNING NOTICE GUARDING AGAINST UNAUTHORISED OPERATIONS WITHIN FENCED AREA SHALL ERECTED ON THE TEMPORARY PROTECTIVE FENCING.	
FEI	IE CONTRACTOR SHALL SUBMIT THE CONSTRUCTION DETAILS OF THE TEMPORARY PROTECTIVE NCING TO THE *ARCHITECT / ENGINEER / SUPERVISING OFFICER FOR APPROVAL PRIOR TO ECTION OF THE FENCING.	
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	ALL DIMENSIONS ARE IN MILLIMETRES UNLESS OTHERWISE SPECIFIED	
2.	DRIPLINE OF TREE EXTENDS TO THE OUTERMOST BRANCHES OF THE TREE, DEFINING PERIMETER OF THE TREE PROTECTION ZONE.	THE
3	THE GROUND BENEATH THE GEOTEXTILE MEMBRANE WITHIN THE TREE PROTECTION SHALL BE LEFT UNDISTURBED BUT THE DEBRIS AND THE EXISTING UNDERGROWTH THE GROUND SHALL BE CLEARED PRIOR TO APPLYING THE GEOTEXTILE MEMBRANE. *ARCHITECT / ENGINEER / SUPERVISING OFFICER'S AGREEMENT SHALL BE OBTAINED PRIOR TO CLEARANCE OF THE EXISTING UNDERGROWTH.	ON
4.	WHERE GRAVEL MULCH IS USED. THE NOMINAL SIZE OF GRAVEL SHALL BE OF 20 DIA AND THE GRAVEL SHALL BE OF INERT. LIME-FREE MATERIALS WITH NO FINES.	METER
5	WHERE WOOD CHIP MULCH IS USED THE NOMINAL PARTICLE SIZE SHALL BE IN THE 2mm TO 20mm AND THE WOOD CHIPS SHALL BE FREE FROM PERNICIOUS WEEDS. CONTAMINATION, RUBBISH AND OTHER DELETERIOUS MATERIAL.	RANGE CHEMICAL
6.	TEMPORARY PROTECTIVE MULCHING SHALL BE INSPECTED AT MONTHLY INTERVALS AN IF NECESSARY, SHALL BE REPLENISHED TO THE SPECIFIED THICKNESS.	ND,
7.	WHERE.IN ADDITION TO PEDESTRIAN LOADS, THE PASSAGE OR PARKING OF VEHICLE OPERATION OF EQUIPMENT OR MACHINERY WITHIN THE TREE PROTECTION ZONE HAV AGREED BY THE "ARCHITECT / ENGINEER / SUPERVISING OFFICER, DOUBLE, OVERLAPP THICK METAL SHEET COVERINGS, OR OTHER MATERIALS OF EQUIVALENT STRENGTH A BY THE "ARCHITECT / ENGINEER / SUPERVISING OFFICER, SHALL BE LAID ON TOP OF TEMPORARY PROTECTIVE MULCHING TO PROVIDE ADDITIONAL PROTECTION FROM SOL	S BEEN NG S AGREFD THE
8.	MULCH SHALL BE KEPT AWAY FROM THE BASE OF TREE TRUNK TO PREVENT ROOT	COLLAR ROT.
9.	WHERE THE PRESERVED TREE IS ON SLOPING GROUND, 300 HIGH TIMBER EDGE SHA PEGGED ON DOWNSLOPE SIDE OF THE TREE PROTECTION ZONE TO HOLD THE MUL	ILL BE ICH.
	- DELETE WHICHEVER IS INAPPROPRIATE.	
TEMPORARY PROTE	ECTIVE MULCHING TO PRESERVED TREE	DRAWING NO.
		TP3 (SHEET 2 OF 2)