

樹木資產管理 Asset Management on Trees

1. 樹木資產 Trees Are Our Assets



喜愛與樹為伴

Love to Enjoy Leisure Time with Trees

- Provide beauty and shade for relaxation and enjoyment
- Provide clean and fresh air for refreshment
- Enhance quality of our lives



樹木的好處 Benefits of Trees

社會效益 Social benefits

- 改善精神健康 *Reduce stress and improve mental health*
- 加強社區連繫 *Strengthen community ties*



環境效益 Environmental benefits

- 改善空氣水質 *Improve air and water quality*
- 舒緩氣候變化 *Combat climate change*



經濟效益 Economic benefits

- 增加物業價值 *Increase property value*
- 減低能源消耗 *Decrease energy consumption*

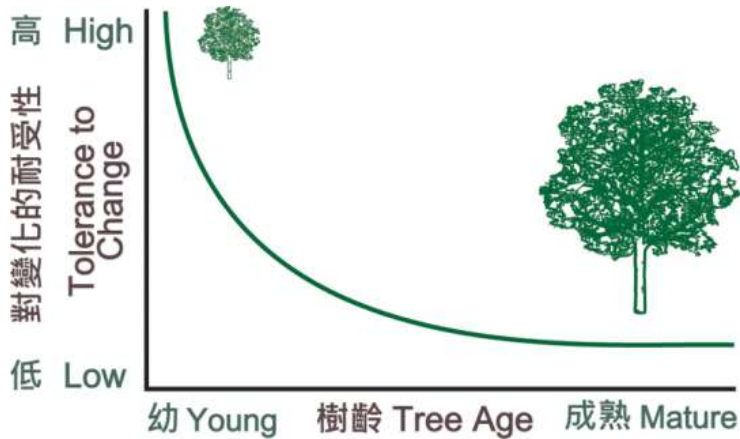
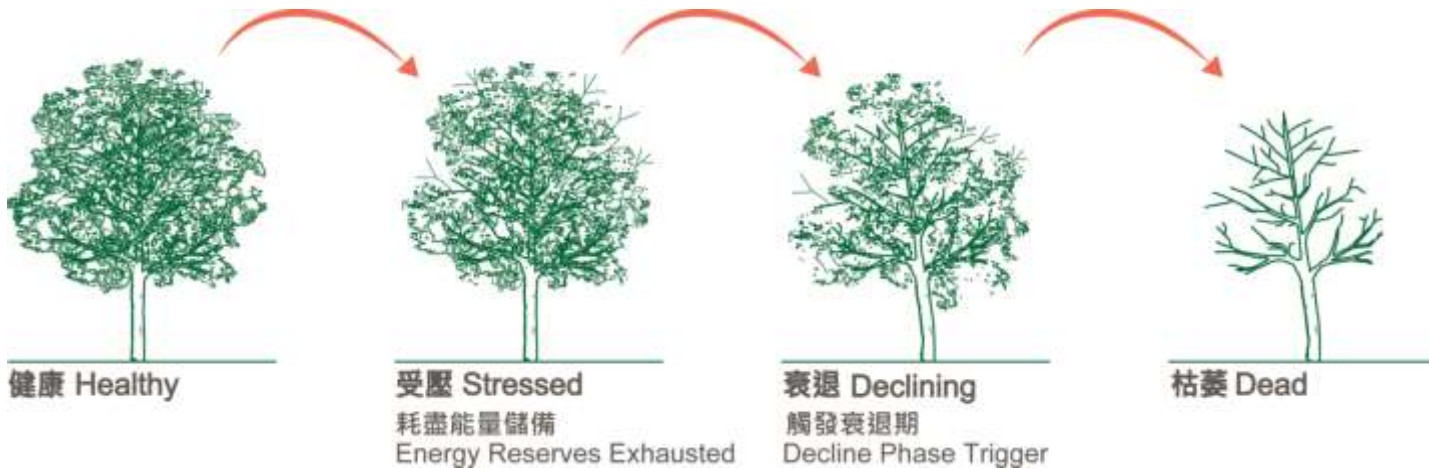


2. 護養樹木 Trees Need Care



樹木是自然生物

Trees are living organisms



**Just Like
YOU and ME!**

資產管理 Asset Management



資產管理 Asset Management



3. 護樹支援 We Help for Tree Care

良好樹木護理的快速參考

Quick Reference on Proper Tree Care

樹木管理手冊

Handbook on Tree Management (HTM)

- Provide Tree Owners guidelines and standards of good practice in management of tree assets

Part 1 - Duty of Care of Tree Owners

- Legal Provisions for Tree Management
- Essentials of Good Tree Management

Part 2 – Key Steps in Tree Risk Management

- Engage Qualified Professionals
- Know your Tree Stock
- Undertake Tree Risk Assessment and Mitigation Works
- Keep Records

Part 3 - General Tree Care

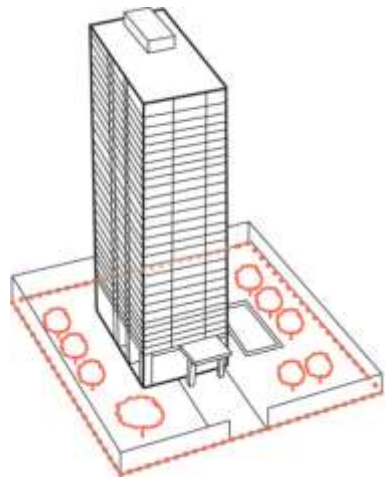
- Right Tree Right Place
- Quality Nursery Stock
- Regular Tree Maintenance
- Good Pruning Practices
- Pest and Disease Control
- Maintenance Records

樹木管理手冊

Handbook on Tree Management

Part 1 – Duty of Care of Tree Owners

- Legal Provisions for Tree Management



私人土地
Private Land

普通法下的謹慎責任

Common Law Duty of Care

佔用人法律責任條例

Occupiers Liability Ordinance (Chapter 314)

土地契約條款 Provisions in Land Leases

- Tree preservation clause
- Landscape clause

建築物管理條例

Building Management Ordinance (Chapter 344)

- 大廈管理及維修工作守則
Code of Practice on Building Management and Maintenance

樹木管理手冊

Handbook on Tree Management

Part 2 – Key Steps in Tree Risk Management

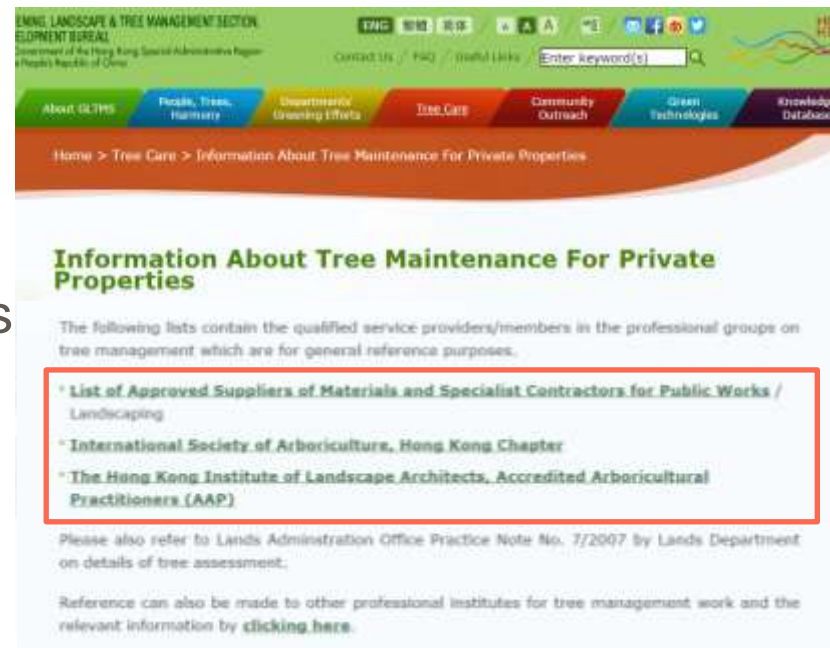


樹木管理手冊

Handbook on Tree Management

Part 2 – Key Steps in Tree Risk Management

- Engage Qualified Professionals for Tree Works
 - Landscape contractors
 - Arboricultural contractors
 - Qualified individuals
- Information for private property owners is available at www.greening.gov.hk



The screenshot shows the website of the Environmental Management and Planning Department (EMNG), Landscape & Tree Management Section. The page is titled "Information About Tree Maintenance For Private Properties". It lists qualified service providers for tree management, including:

- List of Approved Suppliers of Materials and Specialist Contractors for Public Works / Landscaping
- International Society of Arboriculture, Hong Kong Chapter
- The Hong Kong Institute of Landscape Architects, Accredited Arboricultural Practitioners (AAP)

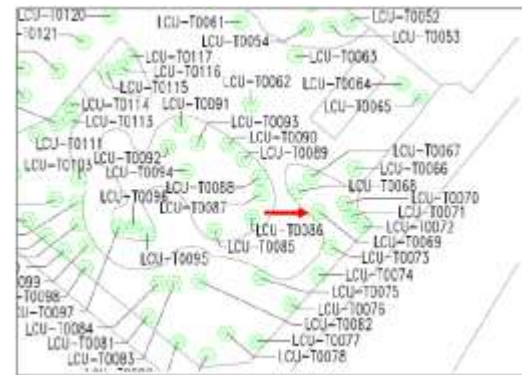
The page also mentions that users should refer to Lands Administration Office Practice Note No. 7/2007 for details on tree assessment and provides a link for more information.

樹木管理手冊

Handbook on Tree Management

Part 2 – Key Steps in Tree Risk Management

- Prepare Tree Inventory
 - Tree schedule
 - Tree location plan
 - Tree photos



Species: *Terminalia catappa* 欖仁樹



Overview

Species: *Cinnamomum burmannii* 陰香



Overview

A. General Information

Property Name:		Address:	
Contract No. & Title:		Survey Date:	Revision:

B. Tree Schedule

Tree No.	Photo No.	Tree Species Chinese Name	Botanical Name	DBH (cm)	Overall Height (M)	Stem Spread (M)	Woodland Condition (Good / Fair / Poor)	Health Condition (Good / Fair / Poor)	Remarks



樹木管理手冊

Handbook on Tree Management

Part 2 – Key Steps in Tree Risk Management

- Undertake Tree Risk Assessment
 - First Published in January 2010 –
《樹木風險評估及管理安排》
“Guidelines for Tree Risk Assessment and Management Arrangement”
 - Provide systematic methodology to assess tree risk in order to protect public safety



樹木管理手冊

Handbook on Tree Management

Part 2 – Key Steps in Tree Risk Management

- Undertake Tree Risk Assessment

以地點為本
AREA BASIS



確定一旦樹木倒塌會影響公眾安全的高使用地點
Identify target areas with intensive use where the public will be affected in the event of a tree failure are first identified

以樹木為本
TREE BASIS



在已確定的地點進行以樹木為本的評估，評估個別珍貴樹木和有問題樹木的狀況
Within the identified areas, the conditions of valuable trees and problematic trees are individually assessed

樹木管理手冊

Handbook on Tree Management

Part 2 – Key Steps in Tree Risk Management

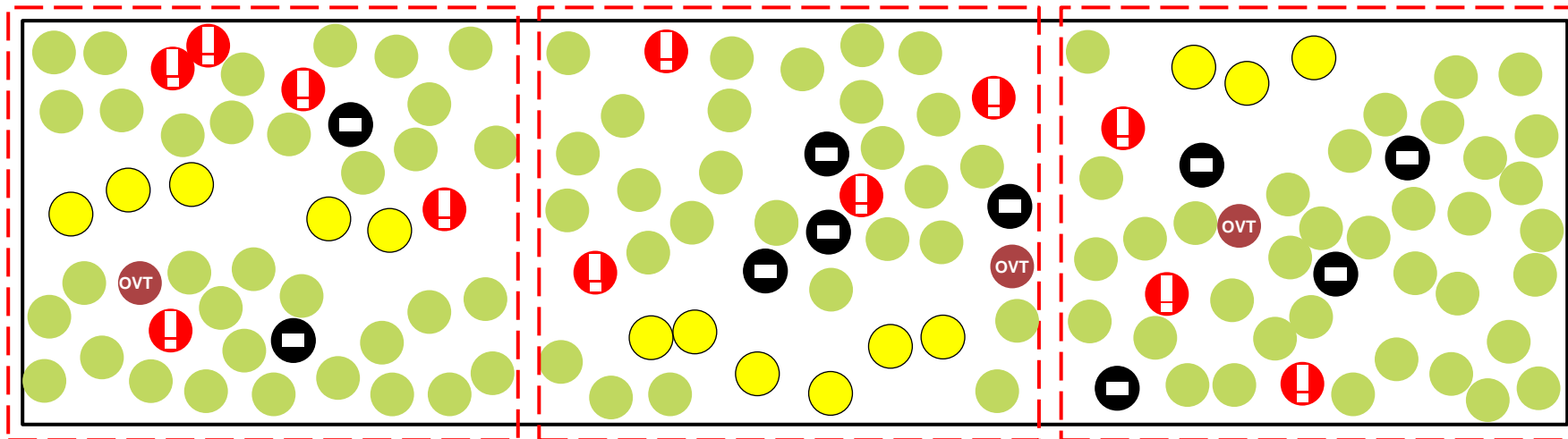
- Undertake Tree Risk Assessment



樹木管理手冊

Handbook on Tree Management

以樹木為本 TREE BASIS



圖例說明 Legend

表格 1
Form 1



於目標地點內的其他樹木
Other trees in target areas

表格 2
Form 2



古樹名木
Old and Valuable Trees



有問題樹木
Problematic Trees



於目標地點內的成齡樹
Mature trees in target areas



將被移除樹木
Trees To Be Removed

*圖中以三個不同區域的樹木分布作說明

Tree profiles in three different lots for illustrative purpose



樹木管理手冊

Handbook on Tree Management

Part 2 – Key Steps in Tree Risk Management

- Mitigate Tree Risk



Fence off



Install supporting system



Pruning



Pest and disease control

樹木管理手冊

Handbook on Tree Management

Part 2 – Key Steps in Tree Risk Management

- Tree Removal (If lease conditions apply)

Emergency situations due to natural cause

- Take full photographic record before removal / pruning
- Prune / Remove trees(s) where safety is at stake
- Inform LandsD within 21 calendar days after incident

Non-emergency situations

- Submit tree felling application to LandsD
- Prepare and undertake compensatory planting proposal
- Obtain written consent from LandsD



樹木管理手冊

Handbook on Tree Management

Part 3 – General Tree Care

- 樹木種植 Tree Planting

植樹有方 · 因地制宜 Right Tree Right Place

優質苗木 Quality Nursery Stock

合適生長環境 Suitable Growth Environment

定植護養 Provide Establishment Maintenance

- 樹木護養 Tree Maintenance

定期護養 Regular Tree Maintenance

良好修剪 Good Pruning Practices

防病蟲害 Pest and Disease Control

樹木保護 Tree Protection

護養記錄 Maintenance Records

強壯結構
Stronger Structure

健康生長
Healthy Growth

良好形態
Good Form

減少缺陷
Reduce Defects

減低風險
Minimise Risk

RIGHT TREE RIGHT PLACE

Quick Reference Guide



香港特別行政區政府
發展局
Development Bureau
The Government of the Hong Kong Special Administrative Region



Space

Above ground

- Adequate clearance to adjacent buildings, structures, roads and other mature trees

Below ground

- Adequate clearance from underground utilities for root growth and anchorage



Design

- Create a sense of place and belonging

- Forms; colours; textures; scale
- Safety In Design (SID)
- Maximise sustainability
- Minimise maintenance



Function

Enhance biodiversity

- Maximise plant mix
- Create points of interest**
- Seasonal interest of foliage and flowers
- Spectacular tree form
- Fragrance

Enhance environment

- Shading; cooling
- Screening; noise attenuation
- Air and water quality improvement
- Erosion control
- Visual amenity

Social, psychological merits

- multi-sensory and cognitive qualities



Choose Species

- Native or exotic
- Evergreen or deciduous
- Fast-growing or slow-growing
- Avoid potentially invasive
- Able to withstand site conditions (wind, drought, salt and shade)
- Not susceptible to disease and pest infestation



Look for Biological Features

- Visual character
- Caution potential impacts to human (toxicity, pollenosis)
- Life cycle
- Avoid intrinsic tree failure characteristics



Maximise Plant Mix

- Maximise biodiversity
- Showcase native habitat
- Enhance landscape connectivity
- Check tree form and shape
- Allow space for crown, height and root growth



Management and Maintenance

- Qualified professionals to assess and maintain your trees
- Undertake Tree Risk Management and mitigation measures to maximise tree safety

Trees come in all shapes and sizes and will change dramatically over their lifetimes. Careful planning and selection are essential for a tree's long term success.

The purpose of this guide is to demonstrate the crucial considerations for establishing the "right tree in the right place". Please seek further advice from a Registered Landscape Architect, qualified horticulturist and landscape contractor.



Soil

- Insist only quality soil mix
- Provide correct soil volume for root growth
- Ensure aerated soil (no excessive compaction)
- Assess pH value for species selection
- Adjust to correct nutrient content
- Allow proper drainage



Planting Stock

Buy young

- the trees will grow better

Buy quality

- quality tree stock establish themselves more quickly and require less maintenance in the long run



Planting Practice

- Avoid planting in inclement weather
- Proper preparation of tree pit
- Proper planting depth
- Correct pit size for rootball establishment
- Remove all plastic containers/ rootball wrappings
- Backfill in layers and firm up to remove air pockets
- Apply mulching to keep soil moisture and suppress weed growth
- Appropriate watering after planting
- Regular check up of guy support system if installed

URBAN ARBORICULTURE

URBAN PLANTING: DO YOU KNOW?

Planting and caring for trees is important to creating an environmentally-friendly society and enriching our urban forest.

1 TREE

- Am I...**
- Planted in the right place?

2 TREE CROWN

- Am I...**
- Too heavy?
 - Affected by pests and disease?
 - Getting enough sunshine?
 - Given enough space to grow?
 - Excessively spreading floating floss?
 - Dropping too many fruits?

3 SPACE

- Am I...**
- Getting too close to the building?
 - Obstructed by street furniture?

4 BUILDING

- Do you know the building's age?
- Is it structurally sound enough to support me?
- Do air vents impact my crown?

5 EXCAVATION TRENCH

- Does it damage my roots?

6 STREET FURNITURE

- Is it too close to me?
- Does it affect the surface runoff?

7 TRUNK*

- Am I...**
- protected?
 - Structurally sound?
 - Susceptible to pest?

*I am not a hanger, don't hang things on me!

10 CLEARANCE

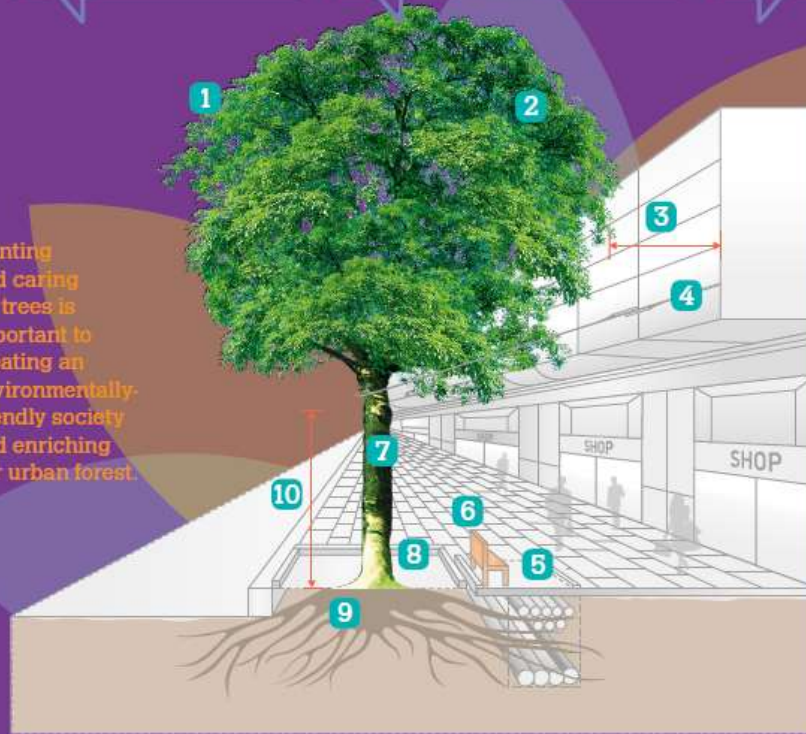
- Am I...**
- Interfering passing vehicles?
 - Blocking pedestrian walkways?

9 ROOT ZONE

- Am I / Do I...**
- Protected?
 - Infected?
 - Have enough space to grow?
 - Have enough oxygen and water?
 - Affected by compacted soil?

8 TREE PIT

- Is the tree pit...**
- Too small to accommodate root growth?
 - Filled with the right soil?
 - Surrounded by underground utilities?
 - Filled with compacted soil and affecting water infiltration?



4. 攜手合作 Let's Work Together



攜手合作 Let's Work Together

- Engage qualified professionals for tree works
- Undertake routine tree inspection and tree risk assessment
- Visit our website at www.greening.gov.hk to get up-to-date information



聯絡我們 Contact Us

- Online Form:

A rectangular button with a yellow-to-orange gradient background. It contains the text "Enquiry or Suggestion" in bold white font, followed by "relating to Policy on Greening or Tree Management" in a smaller white font. To the right of the text is a blue telephone handset icon.

Enquiry or Suggestion
relating to Policy on Greening
or Tree Management

- Telephone: **2848 2334**
- Email Address: **greening@devb.gov.hk**



Thank You