



Australian Government

Department of Education, Employment and Workplace Relations

AHCLSC310A Implement a tree transplanting program

Release: 1

AHCLSC310A Implement a tree transplanting program

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers the process of implementing a tree transplanting program and defines the standard required to: determine tree transplanting requirements from specifications; prepare tools and equipment; tree and new site for tree transplanting; calculate tree mass and size for safe removal; bind and/or wrap root balls and crowns; lift, reinstall and stabilise tree; organise work according to program requirements; record transplanting activities.
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Application of the Unit

Application of the unit	This unit applies to the process of transplanting trees.
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Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
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Elements and Performance Criteria Pre-Content

Not Applicable

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
1. Prepare for tree transplantation	1.1. Occupational Health and Safety (OHS) hazards associated with transplanting operations are identified, risks assessed and suitable controls implemented. 1.2. Liaison with local authorities and information services is undertaken to determine location of services and utilities, and legislation, local by-laws and regulations governing the transplanting/transporting of trees. 1.3. Tree is inspected to ensure the appropriate transplanting operations are implemented according to an identified program, and to ensure the safety of personnel, the public and property is maintained throughout and upon completion of work. 1.4. Root ball and crown treatments are selected, prepared and used according to the requirements of the species to ensure the tree remains viable throughout the transplanting process. 1.5. Site is prepared for transplanting activities including notification of local residents and authorities where necessary. 1.6. Surrounding property/vegetation is relocated, secured and/or protected from potential damage during tree transplanting. 1.7. Tools, equipment and machinery necessary to implement tree transplanting activities are selected, prepared and used according to enterprise guidelines and manufacturers' recommendations.
2. Implement transplanting operations	2.1. Soil around the root zone is excavated and root ball is undercut with minimum stress to the plant according to documented work procedures. 2.2. Roots are pruned where required to meet AS4373 Pruning of amenity trees. 2.3. Tree is stabilised as the root system is undercut and anti-transpirants applied as a root soak or foliar spray to ensure viability of the plant is maintained. 2.4. Root ball is bound with appropriate material to ensure adequate soil is retained and kept moist prior to transportation and installation. 2.5. Tree is lifted and secured for potential storage and/or transportation using safe lifting techniques and in accordance with documented guidelines. 2.6. Tree or shrub is prepared and handled to minimise

ELEMENT	PERFORMANCE CRITERIA
	damage during handling and transportation. 2.7. Appropriate drainage and soil improvements are implemented and the tree is re-installed and stabilised. 2.8. Tools, equipment and machinery are cleaned and stored according to enterprise guidelines and manufacturers' recommendations. 2.9. Completed transplanting program is recorded and communicated to management and/or the client according to enterprise guidelines.
3. Maintain health and viability of transplanted tree	3.1. Water is applied to the reinstalled tree over a sustained period to ensure minimal leaf loss and that new growth is apparent. 3.2. Anti-transpirants are applied and any nutritional requirements of the species are provided. 3.3. Tree protection devices are installed to ensure adequate support and protection is provided. 3.4. Tree condition and site is monitored to ensure the plant remains healthy.

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

This section describes the skills and knowledge required for this unit.

Required skills

- calculate tree mass and size for safe removal
- bind and/or wrap root balls and crowns
- locate existing services
- monitor and minimise environmental impacts of transplanting operations
- dispose of plant debris in an environmentally safe and sensitive manner
- use literacy skills to read, interpret and follow organisational policies and procedures, follow sequenced written instructions, record accurately and legible information collected and select and apply procedures for a range of tasks
- use oral communication skills/language competence to fulfil the job role as specified by the organisation, including questioning techniques, active listening, clarifying information and consulting with supervisors as required
- use numeracy skills to estimate, calculate and record routine workplace measures
- use interpersonal skills to work with and relate to people from a range of cultural,

REQUIRED SKILLS AND KNOWLEDGE

social and religious backgrounds and with a range of physical and mental abilities.

Required knowledge

- tree anatomy and physiology
- tree transplanting techniques
- principles and methods of operating tree moving equipment
- causes of stress in trees resulting from transplanting, storage and transportation
- safety procedures and potential hazards of removing and transplanting trees
- requirements for securing and signage when transporting trees on road vehicles
- problems and methods relating to the aftercare of trees during their establishment period
- environmental impact of tree removal and transplantation
- relevant legislation that may impact on a tree transplant program
- local government tree protection and preservation regulations
- AS4373-2007 Pruning of amenity trees
- relevant Code of Practice.

Evidence Guide

EVIDENCE GUIDE	
The evidence guide provides advice on assessment and must be read in conjunction with the performance criteria, required skills and knowledge, range statement and the Assessment Guidelines for the Training Package.	
Overview of assessment	
Critical aspects for assessment and evidence required to demonstrate competency in this unit	The evidence required to demonstrate competency in this unit must be relevant to workplace operations and satisfy holistically all of the requirements of the performance criteria and required skills and knowledge and include achievement of the following: • determine tree transplanting requirements from specifications • prepare tools and equipment, tree and new site for tree transplanting • calculate tree mass and size for safe removal • bind and/or wrap root balls and crowns • lift, reinstall and stabilise tree • organise work according to program requirements • record transplanting activities.
Context of and specific resources for assessment	Competency requires the application of work practices under work conditions. Selection and use of resources for some worksites may differ due to the regional or enterprise circumstances.

Range Statement

RANGE STATEMENT	
The range statement relates to the unit of competency as a whole.	
Transplanting may include:	• all species of trees suitable for transplanting in an amenity or landscape context.

Unit Sector(s)

Unit sector	Landscape
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Co-requisite units

Co-requisite units		

Competency field

Competency field	
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