

Title	Describe the requirements and process of transplanting large trees using specialist equipment, and post planting care		
Level	4	Credits	5

Purpose	People credited with this unit standard are able to describe: the procedures required for transplanting trees; the process and requirements of transplanting large trees using specialist equipment; and post-transplant care.
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Classification	Horticulture > Arboriculture
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Available grade	Achieved
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Guidance Information

- 1 Legislation and standards relevant to this unit standard include but are not limited to:
 - Health and Safety at Work Act 2015;
 - Health and Safety in Employment Regulations 1995;
 - Land Transport Act 1998;
 - The *Codes of Practice* are: *Approved Code of Practice for Safety and Health in Tree Work – Part 1 – Arboriculture* (1994);
 - *Approved Code of Practice for Safety and Health in Tree Work – Part 2 – Maintenance of Trees Around Power Lines* (1996);
 - *Guide for Safety with Underground Services* (2002); and their subsequent amendments, they are available from regional offices of the Department of Labour, Occupational Safety and Health Service, or the website www.worksafe.govt.nz;
 - The *Standards* are: BS 3998:1989 *Recommendations for tree work*; available from <http://www.standardsuk.com>;
 - ANSI Z133.1-2006 *Safety Requirements*;
 - ANSI A300 *Standards for Tree Care Operations* (Parts 1 – 7) and their subsequent amendments, available from the website: <http://www.isa-arbor.com>;
 - *Approved Code of Practice for Cranes*, Published by the Department of Labour Wellington New Zealand www.worksafe.govt.nz; 3rd edition revised November 2009 ISBN 978-0-487-33384-8; and any subsequent amendments.
- 2 Definitions

Specialist equipment for example: lifting frames, cranes, tree spades; high speed tools – air spades, compressors.

Workplace procedures refer to oral or written instructions to staff on procedures for the worksite and equipment. Workplace procedures may also include the written Health and Safety plans of contractors providing the specialist equipment.
- 3 For the purposes of assessment evidence must be presented in accordance with workplace procedures.

Outcomes and performance criteria

Outcome 1

Describe the procedures required for transplanting trees.

Performance criteria

- 1.1 Describe tree transplanting in terms of permits and resource consents for the legal requirements to transport trees.
- 1.2 Describe tree transplanting in terms of access and preparation requirements for the existing and new site area before transportation begins.
- 1.3 Describe tree transplanting in terms of arrangements for obstacle clearance and transport for a specified route prior to start of transportation to ensure that delays are minimised.
- 1.4 Describe tree transplanting in terms of weight estimation.
Range evidence of soil volume and tree weight is required.
- 1.5 Describe tree transplanting in terms of labour and equipment schedules that would allow work to be completed within the time prescribed for the contract.

Outcome 2

Describe the process and requirements of transplanting large trees using specialist equipment.

Performance criteria

- 2.1 Describe new site preparation in terms of meeting tree planting requirements.
Range site preparation may include but is not limited to – excavation, drainage, aeration, provision of anchor and guying facilities, provision of irrigation; evidence of two site preparations is required.
- 2.2 Describe tree preparation for safe and damage free lifting.
Range tree preparations may include but are not limited to – lifting points established, root ball excavated and undercut, root ball protection applied, temporary stabilisation, pruning, moisture loss reduction techniques from leaves; evidence of two tree preparations is required.
- 2.3 Describe methods used to lift and secure trees on the transporter in accordance with Codes of Practice and legislative requirements.

2.4 Identify and describe transport permit and regulation requirements for tree transportation.

2.5 Describe tree lifting and placement requirements in new location.

Range requirements may include but are not limited to – orientation, planting media, drainage, root ball preparation, plant depth, stabilisation, backfilling, canopy checked for damage; evidence of four requirements is required.

Outcome 3

Describe post-transplant care.

Performance criteria

3.1 Describe soil environment enhancements in accordance with tree and client requirements.

Range enhancements may include but are not limited to – nutrients, irrigation, air filtration, mulch; evidence of two enhancements is required.

3.2 Describe a transplanted tree's responses to formative or remedial pruning in terms of tree requirements.

Planned review date	31 December 2026
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Status information and last date for assessment for superseded versions

Process	Version	Date	Last Date for Assessment
Registration	1	11 December 2009	31 December 2023
Review	2	25 March 2021	N/A
Review	3	24 June 2021	N/A
Revision	4	26 May 2022	N/A

Consent and Moderation Requirements (CMR) reference	0032
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

Comments on this unit standard

Please contact Muka Tangata – People, Food and Fibre Workforce Development Council qualifications@mukatangata.nz if you wish to suggest changes to the content of this unit standard.