Demonstrate knowledge of transplanting large trees using specialist equipment

Level 3
Credits 5

Purpose People credited with this unit standard are able to: demonstrate knowledge of procedures required to manage transplanting; describe the process of tree transplanting using specialist equipment; and describe post-transplant care.

Subfield Horticulture
Domain Arboriculture
Status Registered
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Entry information Recommended: Unit 2772, Transplant amenity trees and shrubs manually, or demonstrate equivalent knowledge and skills.

Replacement information This unit standard replaced unit standard 2818.

Accreditation Evaluation of documentation and visit by NZQA, industry and teaching professional in the same field from another provider.

Standard setting body (SSB) Primary Industry Training Organisation

Accreditation and Moderation Action Plan (AMAP) reference 0032

This AMAP can be accessed at http://www.nzqa.govt.nz/framework/search/index.do.

Special notes

1 Relevant reference material
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 http://www.dol.govt.nz.


3 Definitions
Specialist equipment means such specialist lifting equipment as lifting frames, cranes, and tree spades.
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.

Elements and performance criteria

Element 1

Demonstrate knowledge of procedures required to manage transplanting.

Performance criteria

1.1 Permits and resource consents are described in terms of the requirements to transport trees legally.

1.2 Access and preparation requirements are described for the new site area before transportation begins.

1.3 Arrangements for obstacle clearance are described for a specified route prior to start of transportation to ensure that delays are minimised.

Range services, vegetation, structures, traffic.

1.4 Weight estimation techniques are described for tree transplanting in accordance with workplace procedures.

Range lifting, excavation, transport equipment, arranging escort services.

1.5 Labour and equipment schedules are discussed that would allow work to be completed in accordance with workplace procedures, and within the time prescribed for the contract.
Element 2

Describe the process of tree transplanting using specialist equipment.

Performance criteria

2.1 New site preparation is described in terms of meeting tree planting requirements.

Range may include but is not limited to – excavation, drainage, aeration, provision of anchor and guying facilities, provision of irrigation if required.

2.2 Tree preparation is described for safe and damage free lifting.

Range may include but is not limited to – lifting points established, root ball excavated and undercut, root ball protection applied, temporary stabilisation, pruning.

2.3 Methods used to lift and secure trees on the transporter are described in accordance with Codes of Practice and workplace procedures.

2.4 Transport permit and regulation requirements are identified for tree transportation.

2.5 Tree lifting and placement in new location is described in accordance with Codes of Practice, and workplace procedures.

Range may include but is not limited to – orientation, planting media, drainage, root ball preparation, plant depth, stabilisation, backfilling, canopy checked for damage.

Element 3

Describe post-transplant care.

Performance criteria

3.1 Soil environment enhancements are described in accordance with tree and client requirements.

Range may include but is not limited to – nutrients, irrigation, air filtration, mulch.

3.2 Transplanted tree’s responses to formative and remedial pruning are described in terms of tree requirements.
Please note

Providers must be accredited by NZQA, or an inter-institutional body with delegated authority for quality assurance, before they can report credits from assessment against unit standards or deliver courses of study leading to that assessment.

Industry Training Organisations must be accredited by NZQA before they can register credits from assessment against unit standards.

Accredited providers and Industry Training Organisations assessing against unit standards must engage with the moderation system that applies to those standards.

Accreditation requirements and an outline of the moderation system that applies to this standard are outlined in the Accreditation and Moderation Action Plan (AMAP). The AMAP also includes useful information about special requirements for organisations wishing to develop education and training programmes, such as minimum qualifications for tutors and assessors, and special resource requirements.

Comments on this unit standard

Please contact the Primary Industry Training Organisation [http://www.primaryito.ac.nz](http://www.primaryito.ac.nz) if you wish to suggest changes to the content of this unit standard.