



Australian Government

Department of Education, Employment and Workplace Relations

AHCPGD402A Plan a plant establishment program

Release: 1

AHCPGD402A Plan a plant establishment program

Modification History

Not Applicable

Unit Descriptor

Unit descriptor	This unit covers the process of developing a plant establishment program and a relevant site plan and specifications, and defines the standard required to: develop a concept plan that reflects client needs, site factors and the growing requirements of plants; select the plant species and cultivars, and the required quantities of plant material and other resources; develop and document detailed site plan, specifications and quotation; detail on-site procedures for implementing the plan and maintaining the site.
------------------------	---

Application of the Unit

Application of the unit	This unit applies to those whose job role includes planning a plant establishment programs.
--------------------------------	---

Licensing/Regulatory Information

Not Applicable

Pre-Requisites

Prerequisite units		

Employability Skills Information

Employability skills	This unit contains employability skills.
-----------------------------	--

Elements and Performance Criteria Pre-Content

Not Applicable

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
1. Carry out preliminary planning activities for the plant establishment program	<p>1.1. Client preferences and requirements for the plant establishment program are understood and confirmed.</p> <p>1.2. The plant establishment site is assessed for legal attributes, biophysical factors, services and historical modifications.</p> <p>1.3. Research is conducted into plant species and cultivars, and local by-laws and restrictions that may affect the plant establishment program.</p> <p>1.4. Environmental implications of the planned programs are identified and if necessary, reported to relevant personnel for further research.</p> <p>1.5. A concept plan that reflects client preferences and requirements, takes into account site factors and any identified environmental requirements, is developed and presented to the client for discussion and approval.</p>
2. Determine requirements of the plant establishment program	<p>2.1. Plant species and cultivars that are appropriate to the site and consistent with the agreed concept plan are identified, and the required quantity calculated, costed, and availability confirmed with suppliers.</p> <p>2.2. Plant establishment procedures are selected consistent with the agreed concept plan, and according to the characteristics of available plant materials, the resources and equipment available, and the environmental factors affecting the success of the plant establishment program.</p> <p>2.3. Post-planting care is provided for according to client requirements, enterprise standards and site capabilities.</p> <p>2.4. Resources, tools, equipment and machinery required for planting and post-planting care are identified, costed, and availability confirmed with suppliers, contractors and appropriate personnel.</p> <p>2.5. Occupational Health and Safety (OHS) hazards associated with the plant establishment program are identified; risks assessed and controls developed according to enterprise guidelines, costed and documented in the plan.</p> <p>2.6. Staged implementation and development are outlined, where appropriate, with access for future works provided for according to client, enterprise and site requirements.</p>

ELEMENT	PERFORMANCE CRITERIA
	2.7. Timelines for preparations, planting and post-planting care are determined taking into account the needs of the plant species and cultivars, site conditions, and any other planning requirements.
3. Prepare and document the plant establishment program and specification	<p>3.1. Detailed plan, specifications and quotation are prepared based on the requirements of the plant establishment program, and presented to appropriate personnel and the client for acceptance.</p> <p>3.2. Scaled site plan is produced which can be readily interpreted and understood by on-site personnel according to enterprise standards.</p> <p>3.3. Detailed on-site procedures and schedules required for the planting of the site and post-planting care of plants are developed and documented.</p>

Required Skills and Knowledge

REQUIRED SKILLS AND KNOWLEDGE

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

Required skills

- comply with legislative requirements
- document plans, specifications and work procedures, and write reports for the understanding of staff, clients and contractors
- calculate the cost and spatial and logistical requirements of components of the plant establishment program
- use literacy skills to read, interpret and follow organisational policies and procedures, develop sequenced written instructions, record accurately and legibly information collected and select and apply procedures to a range of tasks
- use oral communication skills/language competence to fulfil the job role as specified by the organisation including questioning, active listening, asking for clarification, negotiating solutions and responding to a range of views
- use numeracy skills to estimate, calculate and record routine and more complex workplace measures and data
- use interpersonal skills to work with others and relate to people from a range of cultural, social and religious backgrounds and with a range of physical and mental abilities.

Required knowledge

- identification, propagation and establishment techniques of specific plant species

REQUIRED SKILLS AND KNOWLEDGE

and cultivars

- the advantages and disadvantages of a range of plant establishment procedures
- maintenance requirements and practices for specific plant species and cultivars, prior to and after initial establishment
- processes and techniques for preparing, costing and documenting plans for and scheduling plant establishment activities.

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	<p>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:</p> <ul style="list-style-type: none"> • develop a concept plan that reflects client needs, site factors and the growing requirements of plants • select the plant species and cultivars, and the required quantities of plant material and other resources • develop and document detailed site plan, specifications and quotation • detail on-site procedures for implementing the plan and maintaining the site.
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.	
Establishment sites may include:	<ul style="list-style-type: none"> • large-scale or broad acre woodlots • revegetation areas • parks and gardens • landscaped areas • recreational reserves • sports turf or recreational turf surfaces • commercial nursery, floriculture and production horticulture sites.

RANGE STATEMENT	
Plant species and cultivars may include:	<ul style="list-style-type: none"> • exotic • native • endemic • evergreen • deciduous • conifer and palm trees and shrubs • turf • grasses • ground cover plants • bedding displays • aquatic plants.

Unit Sector(s)

Unit sector	Parks and gardens
--------------------	-------------------

Co-requisite units

Co-requisite units		

Competency field

Competency field	
-------------------------	--