

ASSESSMENT GUIDELINES

Unit 22214

Prepare a detailed design for landscape work.

Level 5, Credit 15, Version 1

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Unit standard 22214

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Level of performance required for this unit standard

This is a level 5 unit standard. At this level trainees are expected to demonstrate the following abilities when completing assessment tasks:

- To work within broad general guidelines; with responsibility for the achievement and standard of the outcome.
- To apply a wide range of technical skills, knowledge, and innovation to complete the task to the specified standard, in a variety of familiar and unfamiliar, routine and non-routine contexts.
- To analyse and interpret a wide range of data, and make an informed judgment.

Workplace assessment:

For guidelines on Workplace Assessment, please refer to the NZHITO Workplace Assessors Manual, and for further information, please contact: NZHITO, P O Box 8638, Christchurch. Ph 03 9644 735, fax 03 9644 737, website www.hortito.org.nz

Special notes:

1. For the purpose of assessment against this unit standard, the drawings prepared should be for a simple landscape design that includes both planting and construction features on a relatively flat site.
2. *Design enterprise standards and/or procedures* may include but are not limited to quality assurance, documentation, security, communication, health and safety, ethics, interpersonal behaviour and design. An acceptable standard would be comparable to ISO9000 certified enterprises and /or organisations, and those standards set by an incorporated professional or trade body such as Landscape Industries Association of New Zealand or New Zealand Institute of Landscape Architects.
3. Legislation relevant to the client's needs and requirements may include but is not limited to the Health and Safety in Employment Act 1992, Building Act 2004, Consumer Guarantees Act 1993, Fair Trading Act 1986, Privacy Act 1993, and the Resource Management Act 1991.
4. Case studies may be used as the basis for this unit standard.
5. Design work requiring certification will be undertaken by a registered engineer.

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ELEMENT	Competent	Range of evidence an assessor should consider
<p>Element 1 Document site characteristics that will influence the selection of plants and construction materials.</p>	<p>Yes/No</p>	<ul style="list-style-type: none"> ▪ Prepare documentation that defines the general site characteristics that are unusual or of particular significance in terms of plant material selection requirements in accordance with design enterprise standards. Range: site characteristics to include but are not limited to – aspect, general climate, prevailing weather conditions, soil type and condition, shelter, shade, existing features and plants. ▪ Ensure the documentation defines any areas within the site that are unusual or of particular significance in terms of construction material selection requirements in accordance with design enterprise standards. Range: may include but are not limited to – site access, historical elements, site stability, topography.
<p>Element 2 Apply design principles in the preparation of a developed design for landscape construction features.</p>	<p>Yes/No</p>	<ul style="list-style-type: none"> ▪ Analyse existing design concepts to determine design intentions for construction work in terms of functional applications and aesthetic principles. Range: design elements and principles, and applications may include but are not limited to – hard standing, screening, retention, shelter, shade, structural emphasis, incorporation of existing plants and features, specific client requirements. ▪ Apply knowledge of construction materials and their uses in order to identify options for use in a construction work in accordance with design enterprise procedures. Range: physical, aesthetic, durability, maintenance. ▪ Describe visual characteristics utilised in the selection of materials, in terms of their visual impact in accordance with design enterprise standards. Range: line, shape, form, colour, texture. ▪ Ensure the visual characteristics of the overall selection reflect the application of design principles in accordance with design enterprise standards. Range: unity, repetition, balance, pattern, simplicity, variety, emphasis, sequence, rhythm, movement, circulation, scale, proportion. ▪ Select materials for use in the design, ensuring they meet site requirements. Range: design requirements include but are not limited to – design solutions, site conditions, availability, compatibility with existing structures, suitability for underlying design theme. ▪ Use construction drawings to communicate details of proposal in accordance with design enterprise standards. Range: symbols and conventions, accepted draughting procedures, plan view, sections, elevations. ▪ Use supporting drawings and specifications to provide amplification and clarification of the construction details in accordance with design enterprise procedures.

<p>Element 3 Prepare a planting plan for a defined proposal.</p>	<p>Yes/No</p>	<ul style="list-style-type: none"> ▪ Assemble resource material required for development of planting plan, in accordance with design enterprise procedures. Range: including but not limited to – concept drawings, planting lists. ▪ Ensure procedures used in the development of the planting plan conform with design enterprise standards. ▪ Ensure the planting plan communicates details of planting proposal in accordance with design enterprise standards. Range: symbols and conventions, accepted draughting procedures, plant identification, plant location. ▪ Use supporting drawings provide amplification and clarification of the planting plan in accordance with design enterprise procedures.
<p>Element 4 Prepare documentation to support planting plan.</p>	<p>Yes/No</p>	<ul style="list-style-type: none"> ▪ Include planting schedules as part of the documentation, provide details of plants to be used in accordance with design enterprise standards. Range: species, sizes, quantities. ▪ Ensure planting documentation provided conforms to design enterprise standards and meets the needs of documentation users. Range: clients, contractors, sub-contractors, project supervisors. ▪ Adopt checking procedures that comply with design enterprise standards and ensure inaccuracies are identified for correction. ▪ Incorporate planting plans and supporting material in project documentation in accordance with design enterprise standards.
<p>Element 5 Prepare final documentation for presentation to the client.</p>	<p>Yes/No</p>	<ul style="list-style-type: none"> ▪ Prepare drawings and supporting material that illustrate all elements of the design at a conceptual level, in accordance with design enterprise standards. Range: drawings and supporting material include but are not limited to – spatial design, surfaces, circulation, integration of existing plants and features, integration with planting plans. ▪ Ensure that documentation meets requirements of the client brief and the identified needs of the site. ▪ Assemble site plans, developed concept drawings, construction drawings, and supporting material in order to be used for presentation in accordance with design enterprise standards. ▪ Adopt checking procedures that comply with design enterprise standards and ensure inaccuracies are identified for correction.

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Signed (Assessor): _____

WPA Registration Number: _____ Date: _____

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Please send this page to your NZHITO Regional Manager, who will forward it to National Office to register the credits on your NZQA Record of Learning.

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