

# **ASSESSMENT GUIDELINES**

## **Unit 22213**

Apply knowledge of the characteristics and requirements of planting in landscape design work.

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Level 5, Credit 10, Version 1

# Apply knowledge of the characteristics and requirements of planting in landscape design work.

Unit standard 22213

Level 5, Credit 10, Version 1

## 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](http://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.

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(Apprentice copy)**

<b>ELEMENT</b>	<b>Competent</b>	<b>Range of evidence an assessor should consider</b>
<p><b>Element 1</b> Document the site characteristics that will influence selection of plants for the selected site.</p>	<p><b>Yes/No</b></p>	<ul style="list-style-type: none"> <li>▪ Document general site characteristics to design enterprise standards. Range: site characteristics may include but are not limited to – aspect, climate, soil type and condition, shelter, shade, existing features and plants.</li> <li>▪ Ensure completed documentation defines any areas within the site that are unusual or of particular significance in terms of plant selection requirements, and that it is in accordance with design enterprise procedures. Range: apparent microclimates, potential problem areas, areas appropriate for theme development based on plant characteristics.</li> <li>▪ Describe ecological relationships in plant communities in relation to the site. Range: indigenous communities, typical associations, interaction of indigenous and introduced species, biodiversity.</li> </ul>
<p><b>Element 2</b> List and evaluate plants suitable for the site.</p>	<p><b>Yes/No</b></p>	<ul style="list-style-type: none"> <li>▪ List plants that are for possible use in the landscape design and describe them in terms of their characteristics. Range: colour, form, texture, smell, growth patterns, evergreen and/or deciduous, ultimate size, toxicity.</li> <li>▪ Describe the site requirements of the listed plants in accordance with design enterprise procedures. Range: tolerance levels, soil water and nutrient requirements, seasonality, sun and/or shade.</li> </ul>
<p><b>Element 3</b> Prepare design concepts for planting schemes. Range: three schemes required – two thematic plantings, one ecological association.</p>	<p><b>Yes/No</b></p>	<ul style="list-style-type: none"> <li>▪ Ensure that the concepts show use and understanding of design elements and principles. Range: at least two design elements and two principles are required in each concept.</li> <li>▪ Ensure plant options chosen for the planting schemes reflect levels of knowledge of plant characteristics to professional design enterprise standards. Range: plant characteristics may include but are not limited to – physical, aesthetic, seasonal, life span, maintenance requirements.</li> </ul>

<p><b>Element 4</b> Apply design principles in the preparation of a developed design concept for a landscape planting plan.</p>	<p><b>Yes/No</b></p>	<ul style="list-style-type: none"> <li>▪ Assemble the resource material required for development of planting plan. Range: material may include but is not limited to – concept drawings, lists of plants compatible with site conditions, client brief, availability.</li> <li>▪ Analyse existing concept drawings to determine design intentions for planting areas in terms of functional applications and aesthetic principles. Range: functions may include but are not limited to – screening, shelter, shading, framing, space articulation, traffic control, view management, sound control, erosion control, softening architecture, decoration, scent attraction.</li> <li>▪ Describe the utilisation of visual characteristics in the selection of plants, in terms of their visual impact in accordance with design enterprise standards. Range: line, shape, form, colour, texture.</li> <li>▪ Ensure 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.</li> <li>▪ Use the planting plan to communicate details of the planting proposal in accordance with design enterprise standards. Range: symbols and conventions, accepted draughting procedures, plant identification, plant location.</li> <li>▪ Use supporting drawings provide amplification and clarification of the planting plan in accordance with design enterprise procedures.</li> <li>▪ Include planting schedules as part of the documentation, provide details of plants to be used in accordance with design enterprise standards. Range: species, grades, quantities.</li> <li>▪ Ensure supporting documentation conforms to design enterprise standards and provides clients, contractors, sub-contractors, and project supervisors with information to enhance the establishment and maintenance of planted areas.</li> </ul>
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\_\_\_\_\_ (Name of Apprentice)

is **Competent / Not yet competent** in Unit Standard 22213, version 1

**Signed (Assessor):** \_\_\_\_\_

WPA Registration Number: \_\_\_\_\_ Date: \_\_\_\_\_

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<p><b>Element 2</b> List and evaluate plants suitable for the site.</p>	<p><b>Yes/No</b></p>	<ul style="list-style-type: none"> <li>▪ List plants that are for possible use in the landscape design and describe them in terms of their characteristics. Range: colour, form, texture, smell, growth patterns, evergreen and/or deciduous, ultimate size, toxicity.</li> <li>▪ Describe the site requirements of the listed plants in accordance with design enterprise procedures. Range: tolerance levels, soil water and nutrient requirements, seasonality, sun and/or shade.</li> </ul>
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**Signed (Assessor):** \_\_\_\_\_

WPA Registration Number: \_\_\_\_\_ Date: \_\_\_\_\_

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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*(Name of Apprentice)*

**is Competent in Unit Standard 22213. (version 1)**

**Signed (Assessor):**

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WPA Registration Number: \_\_\_\_\_

Date: \_\_\_\_\_