

# **ASSESSMENT GUIDELINES**

## **Unit 12490**

Plan and manage earthwork requirements for a landscape project.

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Level 5, Credit 5, version 4

# Plan and manage earthwork requirements of a landscape project

## Unit standard 12490

Level 5, Credit 5, version 4

### 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, PO Box 8638, Christchurch. Ph 03 9644 735, Fax 03 9644 737, Website [www.hortito.org.nz](http://www.hortito.org.nz)

### Special notes:

1. *Landscape design* covers the development of design solutions for simple, single occupier residential sites.
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 practice image. 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. Design work requiring certification will need to be undertaken by a registered engineer.
5. Case studies may be used as the basis for assessment against this unit standard.

**Unit 12490: Plan and manage earthwork requirements for a landscape project  
(Apprentice copy)**

<b>ELEMENT</b>	<b>Competent</b>	<b>Range of evidence an assessor should consider</b>
<p><b>Element 1</b> Define the earthwork requirements for a landscape proposal.</p>	<p><b>Yes/No</b></p>	<ul style="list-style-type: none"> <li>▪ Assemble and interpret documentation providing data to determine earthwork requirements in accordance with design enterprise standards. Range: details of site as existing, proposal for landscape work, access details.</li> <li>▪ Use procedures to determine the nature and extent of earthwork to be completed that comply with design enterprise standards. Range: material to be moved – specification of materials types, calculation of quantities; methods to be adopted – movement, storage, removal from site, bringing to site.</li> <li>▪ Ensure the documentation describing earthworks provides direction for the contractor in accordance with design enterprise standards.</li> <li>▪ Ensure the documentation provides costings in the format required for inclusion in the project estimates.</li> </ul>
<p><b>Element 2</b> Identify and manage the implications of the work.</p>	<p><b>Yes/No</b></p>	<ul style="list-style-type: none"> <li>▪ Determine and document the implications of the identified earthwork in accordance with design enterprise procedures. Range: implications may include but are not limited to – land stability, changes to natural drainage patterns, disruption of services, inconvenience to site occupiers, inconvenience to neighbours, consent and approval requirements, temporary service requirements, sustainability.</li> <li>▪ Define the strategies for the management of the identified implications in accordance with design enterprise procedures.</li> </ul>
<p><b>Element 3</b> Plan to oversee the completion of the earthwork.</p>	<p><b>Yes/No</b></p>	<ul style="list-style-type: none"> <li>▪ Ensure the procedures developed to oversee the completion of the earthwork are in accordance with design enterprise standards.</li> <li>▪ Document supervision requirements, in a manner suitable for reference by the designer’s site supervisor.</li> <li>▪ Ensure the procedures for overseeing the work are communicated in project documentation in accordance with design enterprise standards.</li> </ul>

\_\_\_\_\_ *(Name of Apprentice)*

is **Competent / Not yet competent** in Unit Standard 12490 (version 4)

**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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*(Name of Apprentice)*

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**Signed (Assessor):**

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

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