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| <b>Title</b> | <b>Demonstrate knowledge of establishing a construction site</b> |                |          |
| <b>Level</b> | <b>3</b>   | <b>Credits</b> | <b>7</b> |

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| <b>Purpose</b> | <p>People credited with this standard can:</p> <ul style="list-style-type: none"> <li>• describe how to identify a construction site and existing services;</li> <li>• describe how to set up temporary construction site facilities; and</li> <li>• demonstrate knowledge of setting profiles and determining heights for construction.</li> </ul> |
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| <b>Classification</b> | Construction Trades > Carpentry |
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| <b>Available grade</b> | Achieved |
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## Guidance Information

### 1 Range

Evidence generated for assessment against this standard must meet workplace and industry requirements specified in:

- documented worksite specifications, procedures, and practices;
- manufacturer recommendations, specifications, and technical data sheets;
- material specifications;
- applicable specifications from other sources such as an architect, designer, engineer, or supervisor;
- applicable material safety data sheets;
- NZS 3604:2011 *Timber Framed Buildings*;
- the New Zealand Building Code.

Evidence generated for assessment against this standard must reflect the regulatory requirements specified in:

- Building Act 2004
- Health and Safety at Work Act 2015
- Resource Management Act 1991
- Building Regulations 1992
- Building (Forms) Regulations 2004
- Health and Safety in Employment Regulations 1995.

### 2 Reference

Standards New Zealand. (1998). *Glossary of building terminology* (NZMP 4212:1998). Available from <http://www.standards.co.nz>.

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## Outcomes and performance criteria

### Outcome 1

Describe how to identify a construction site and existing services.

#### Performance criteria

1.1 Describe how to identify a construction site.

Range description includes – site plans and boundary markers, datum points, survey marks, gridlines.

1.2 Describe how to identify existing services.

Range Project Information Memorandum, consent drawings, service providers, visual inspection.

### Outcome 2

Describe how to set up temporary construction site facilities.

#### Performance criteria

2.1 Describe how to set up temporary construction site facilities.

Range description includes – access; installing water, power, sewage, stormwater, and telecommunication services; ablutions; storage for plant and materials; protecting adjoining properties and trees; protecting site personnel and the public; confirmation of issue of building and related consents.

### Outcome 3

Demonstrate knowledge of setting profiles and determining heights for construction.

#### Performance criteria

3.1 Describe how to use levelling instruments.

Range instruments include – straight edge and spirit level, builder's level, laser level;  
set-up, adjustment, safety requirements, requirements for achieving accuracy.

3.2 Describe how to determine working heights.

Range identify datum point, transfer heights from datum to profile boards.

3.3 Describe how to set up profiles and mark building lines on profile boards.

Range location, stability, plumb, level;  
position and size of footings and walls, beams, reinforcing, fixings.

3.4 Describe how to determine building line placement.

Range size, shape, squareness;  
squaring methods include – Pythagoras' theorem, diagonal  
measurements, squaring devices.

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| <b>Replacement information</b> | This unit standard replaced unit standard 13004, unit standard 13005, and unit standard 24379. |
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| <b>Planned review date</b> | 31 December 2026 |
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#### Status information and last date for assessment for superseded versions

| Process      | Version | Date              | Last Date for Assessment |
|--------------|---------|-------------------|--------------------------|
| Registration | 1       | 30 September 2021 | N/A                      |

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| <b>Consent and Moderation Requirements (CMR) reference</b> | 0048 |
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This CMR can be accessed at <http://www.nzqa.govt.nz/framework/search/index.do>.

#### Comments on this unit standard

Please contact the Building and Construction Industry Training Organisation at [national.office@bcito.org.nz](mailto:national.office@bcito.org.nz) if you wish to suggest changes to the content of this unit standard.