

**40907****Prepare subgrade and lay basecourse layers for streetscape paving**

<b>Kaupae   Level</b>	4
<b>Whiwhinga   Credit</b>	20
<b>Whāinga   Purpose</b>	<p>This skill standard is intended for people working in or entering the streetscape paving trade.</p> <p>People with this skill standard have the skills to prepare subgrade and lay basecourse layers for streetscape paving.</p> <p>This skill standard aligns with the New Zealand Certificate in Streetscape Paving (Level 4) [Ref: 5456] and may also contribute to other construction and infrastructure qualifications.</p>

**Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria**

<b>Hua o te ako   Learning outcomes</b>	<b>Paearu aromatawai   Assessment criteria</b>
1. Excavate and prepare the subgrade for streetscape paving.	a. Excavation is carried out to meet required depth and shape based on paving design.
	b. Unsuitable subgrade is identified and remediated.
	c. Subgrade is compacted as needed to meet industry standards.
2. Apply geotextiles or stabilisation materials to support subgrade performance.	a. Geotextiles or stabilisation materials are applied as needed to support ground performance.
	b. Installed geotextiles or stabilisation methods are confirmed to meet plans and specifications.
3. Lay basecourse layers for streetscape paving in accordance with plans and specifications.	a. Suitable basecourse materials are selected and placed.
	b. Each basecourse layer is compacted as needed to meet industry standards.
	c. Correct levels, falls, and layer thicknesses are confirmed throughout installation.
	d. Subgrade and basecourse are evaluated for readiness before continuing paving work.

Hua o te ako   Learning outcomes	Paearu aromatawai   Assessment criteria
4. Prepare and lay bedding layer for streetscape paving in accordance with plans and specifications.	a. Bedding sand is spread evenly to required depth and moisture content.
	b. Bedding sand is screeded to produce a smooth surface with the correct fall.
	c. Bedding condition is maintained to support stable and aligned paving units.

### Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

#### Assessment specifications:

To achieve this standard, the candidate must prepare subgrade and lay basecourse layers for streetscape paving in line with industry standards.

Industry standards must reflect best practice, workplace procedures, and be within acceptable tolerances as defined in New Zealand codes, standards and regulations.

Plans and specifications may include working drawings, site plans, manufacturer specifications, installation instructions, demolition plans, and project work plans.

Evidence for this standard must be demonstrated:

- to current and relevant legislation, standards and codes (including safety),
- in an environmentally sustainable manner,
- within an acceptable timeframe,
- in different and unfamiliar contexts,
- with acceptable behaviours.

#### Definition

*Streetscape paving* refers to the use of different paving materials in public spaces such as sidewalks, plazas, pedestrian zones, parks and road edges. The focus is on durability, safety, aesthetics and functionality to make these areas accessible and attractive.

### Ngā momo whiwhinga | Grades available

Achieved.

### Ihirangi waitohu | Indicative content

- Industry standards.
- Plans and specifications.
- Subgrade and base performance requirements for different traffic/load scenarios.
- Techniques for identifying and remediating poor ground (e.g. undercutting, stabilisation).
- Use of geotextiles for separation, filtration, or reinforcement.
- Role of drainage layers in preventing water retention and surface failure.
- Methods for testing compaction of basecourse materials (e.g., 95% Modified AASHTO density).

- Compaction best practices: moisture control, lift thickness, equipment use.
- Tolerances for depth, gradient, and evenness across layers.
- Awareness of how basecourse layers relate to adjacent features including kerbs, pram ramps, tactile indicators, and surface drainage.
- Bedding sand properties: moisture balance, particle grading, screeding techniques.

### Rauemi | Resources

Programme guidance available from [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz).

### Pārongo Whakaū Kouna | Quality assurance information

<b>Ngā rōpū whakatau-paerewa  </b> Standard Setting Body	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council
<b>Whakaritenga Rārangi Paetae Aromatawai  </b> DASS classification	Engineering and Technology > Infrastructure Works > Generic Infrastructure Works
<b>Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga  </b> CMR	0120

<b>Hātepe  </b> Process	<b>Putanga  </b> Version	<b>Rā whakaputa  </b> Review Date	<b>Rā whakamutunga mō te aromatawai  </b> Last date for assessment
<b>Rēhitatanga  </b> Registration	1	30 October 2025	N/A
<b>Kōrero whakakapinga  </b> Replacement information	N/A		
<b>Rā arotake  </b> Planned review date	31 December 2030		

Please contact Waihanga Ara Rau Construction and Infrastructure Workforce Development Council at [qualifications@waihangaararau.nz](mailto:qualifications@waihangaararau.nz) to suggest changes to the content of this skill standard.