

Paving 4 Lay basecourse layers for streetscape paving

Kaupae Level	4
Whiwhinga Credit	25
Whāinga Purpose	<p>This skill standard is for people intending to complete the New Zealand Certificate in Streetscape Paving (Level 4).</p> <p>People with this skill standard have the skills to lay basecourse layers that provide a stable foundation for streetscape paving, in accordance with plans and specifications.</p> <p>This skill standard may contribute to New Zealand qualifications designed for construction and infrastructure trades.</p>
Whakaakoranga me mātua oti Pre-requisites	

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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Prepare the subgrade for laying the base layer.	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.
	d. Geotextiles or stabilisation materials are applied as needed to support ground performance.
2. Lay basecourse layer to 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.

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
	d. Subgrade and basecourse are evaluated for readiness before continuing paving work.
3. Prepare and lay bedding layer according to 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:

Streetscape paving refers to the design, selection, and installation of 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.

To achieve this standard, the candidate must lay basecourse layers for streetscape paving work 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:

- 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.

Ngā momo whiwhinga | Grades available

Achieved.

Ihirangi waitohu | Indicative content

- 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.
- Bedding sand properties: moisture balance, particle grading, screeding techniques.

Rauemi | Resources

Programme guidance available from qualifications@waihangaararau.nz.

Pārongo Whakaū Kouna | Quality assurance information

Ngā rōpū whakatau-paerewa Standard Setting Body	Waihanga Ara Rau Construction and Infrastructure Workforce Development Council
Whakaritenga Rārangi Paetae Aromatawai DASS classification	
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0101

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	[dd mm 2025]	N/A
Kōrero whakakapinga Replacement information	N/A		
Rā arotake Planned review date	31 December 2030		

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