

40909**Lay permeable segmental paving for streetscape applications**

Kaupae Level	4
Whiwhinga Credit	15
Whāinga Purpose	<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 lay permeable segmental paving for streetscape applications.</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

Hua o te ako Learning outcomes	Paearu aromatawai Assessment criteria
1. Prepare to lay permeable segmental paving for streetscape applications.	a. Bedding chip is checked for evenness and readiness to receive pavers.
	b. Materials, edge restraints, and cutting equipment are confirmed ready for use in accordance with plans and specifications.
2. Lay permeable segmental paving for streetscape applications.	a. Pavers are laid in accordance with plans and specifications without obstructing flow paths.
	b. Pavers are cut to achieve accurate fit and finish, in accordance with plans and specifications.
	c. Joint width is regularly checked during laying to ensure consistency and meet plans and specifications.
	d. Edge restraints are installed to prevent paver movement.
3. Finish permeable segmental paving for streetscape applications.	a. Compaction and sweeping of permeable aggregate into joints are completed as needed to meet industry standards.
	b. Completed paving is evaluated for infiltration function, evenness, alignment, joint fill and conformance with plans and specifications.

Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria*Assessment specifications:*

To achieve this standard, the candidate must lay permeable segmental paving for streetscape applications in line with industry standards.

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.

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.

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.
- Pattern laying (stretcher bond, herringbone, basket weave).
- Cutting techniques and tools (wet saw, splitter, grinder).
- Safe use of cutting equipment (PPE, dust control).
- Accuracy and finish when cutting to fit edges.
- Use of no-fines aggregates for jointing.
- Open joint spacing and infiltration principles.
- Compaction without clogging voids.
- Joint stabilisation compounds.
- Edge restraint installation for permeable systems.
- Drainage base design.
- SMAF1, SMAF2, Auckland Unitary Plan, NZBC E1.
- Tactile paving and accessibility.

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	Engineering and Technology > Infrastructure Works > Generic Infrastructure Works
Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga CMR	0120

Hātepe Process	Putanga Version	Rā whakaputa Review Date	Rā whakamutunga mō te aromatawai Last date for assessment
Rēhitatanga Registration	1	30 October 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.