

## Field      Engineering and Technology

### Review of *Infrastructure Works* unit standards

Subfield	Domain	ID
Infrastructure Works	Forestry Earthworks	30918–30924
	Infrastructure Works Utilities	20474–20476

Waihanga Ara Rau Construction and Infrastructure Workforce Development Council has completed the review of the unit standards listed above.

**Date new versions published**

**May 2023**

**Planned review date**

**December 2028**

### Summary

Waihanga Ara Rau, organisations with consent to assess, and representatives from the forestry earthworks industry have reviewed the unit standards listed above to update them in line with current industry practice, and to ensure they are fit for purpose. Consultation with industry representatives and consent to assess holders occurred from September 2022 to January 2023. Feedback was received and decisions were made in consultation with the main training provider and technical advisory group of representatives from the forestry earthworks industry that resulted in the changes outlined below.

### Main changes

- Legislation and references, assessment requirements, outcomes and performance criteria, and range statements were amended across the suite of unit standards in line with current industry requirements.
- Unit standards 20474–20476 have been reclassified from Domain: Infrastructure Works Utilities to Domain: Forestry Earthworks as industry representatives identified these three standards as more appropriate to the Forestry Earthworks industry.
- Unit standards 30920, 30923 and 30924 have had references to ‘supervisor’ and ‘team’ removed throughout as these references presented a barrier to completion for some learners. ‘Team’ has been replaced with ‘forest users’ as this provides opportunity for learners to still engage with other people in the forestry environment.
- Unit standard 20474 was amended as follows: the level was decreased from 4 to 3 as industry representatives identified the knowledge requirements as more appropriate at this level; and performance criteria 2.3 was merged with 2.4 as both performance criteria relate to identification of information on maps.
- Unit standard 20475 was amended to increase the credit value from 4 to 5 to reflect the addition of one new performance criteria and the knowledge requirements of the learner.
- Unit standard 20476 was amended as follows: the credit value was increased from 15 to 20 as industry representatives deem the requirements now specified in the standard to be equivalent to 200 hours of learning and assessment; higher grades were removed for consistency across the suite of standards; and the requirements for Outcome 2 were amended to reflect current industry requirements for forestry earthworks activities.
- Unit standard 30919 was amended to remove references to ‘pipe’ as not all culverts installed in the forestry earthworks environment are pipe culverts.
- Unit standard 30921 was amended as follows: title and purpose statement were amended as forestry infrastructure must be maintained – not forestry earthworks; and the performance criteria for Outcome 1 were reordered to reflect the logical order of tasks according to current industry practice.

The last date for assessment of superseded versions of Category B unit standards is December 2025.

### Impact on existing organisations with consent to assess

Current consent for			Consent extended to		
Nature of consent	Classification or ID	Level	Nature of consent	Classification or ID	Level
Domain	Infrastructure Works Utilities	3-4	Standard	20474, 20475, 20476	3

### Detailed list of unit standards – classification, title, level, and credits

All changes are in **bold**.

Key to review category	
<b>A</b>	Dates changed, but no other changes are made - the new version of the standard carries the same ID and a new version number
<b>B</b>	Changes made, but the overall outcome remains the same - the new version of the standard carries the same ID and a new version number
<b>C</b>	Major changes that necessitate the registration of a replacement standard with a new ID
<b>D</b>	Standard will expire and not be replaced

### Engineering and Technology > Infrastructure Works > Forestry Earthworks

ID	Title	Level	Credit	Review Category
30918	Interpret and confirm job prescription requirements for a forestry earthworks site	4	20	B
30919	Construct pipe culverts and structures for a forestry earthworks site <b>Construct culverts and structures for a forestry earthworks site</b>	3	20	B
30920	Communicate a work plan and coordinate a team to complete forestry earthworks <b>Communicate a work plan and coordinate forest users to complete forestry earthworks</b>	4	10	B
30921	Coordinate maintenance operations for forestry earthworks <b>Coordinate maintenance operations for forestry infrastructure</b>	4	10	B
30922	Apply environmental requirements on a forestry earthworks site	4	23	B
30923	Implement communication requirements on a forestry earthworks site	4	10	B
30924	Facilitate quality outcomes in a forestry earthworks environment	4	10	B

### Engineering and Technology > Infrastructure Works > Infrastructure Works Utilities

### Engineering and Technology > Infrastructure Works > **Forestry Earthworks**

ID	Title	Level	Credit	Review Category
20474	Demonstrate knowledge of forestry earthworks job prescriptions	4 <b>3</b>	5	B
20475	Demonstrate knowledge of forestry earthworks	3	4 <b>5</b>	B
20476	Construct forestry roads, tracks, and landings	3	15 <b>20</b>	B

