



Australian Government

RIICRC306D Conduct earthworks

Release: 3

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Modification History

Release	Comment
1	This unit replaces RIICRC306A Conduct earthworks
2	Required frequency and volume of evidence amended in Performance evidence. Substantial amendments made in Assessment Conditions field, including: references to Industry Sectors, assessor and subject matter expert experience requirements, how assessment should be conducted and what it should confirm.
3	Editorial correction to Performance Evidence. No new content.

Application

This unit describes a participant's skills and knowledge required to conduct earthworks in Civil Construction.

This unit is appropriate for those working in operational roles.

Licensing, legislative, regulatory and certification requirements that apply to this unit can vary between states, territories, and Industry sectors. Relevant information must be sourced prior to application of the unit.

Unit Sector

Civil construction

Elements and Performance Criteria

1. Plan and prepare work to conduct earthworks	<p>1.1 Access, interpret and apply earthworks operations documentation and ensure the work activity is compliant</p> <p>1.2 Obtain, read, interpret, clarify and confirm work requirements</p> <p>1.3 Identify and address potential risks, hazards and environmental issues, and implement control measures</p> <p>1.4 Select and wear correct personal protective equipment appropriate for work activities</p> <p>1.5 Identify, obtain, confirm and implement signage requirements</p> <p>1.6 Survey the work area for ease of access and movement of materials safely</p>
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	<p>1.7 Correctly identify compaction standards and testing requirements</p> <p>1.8 Select and check for faults all plant, tools and equipment to carry out tasks</p>
2. Set out sub-grade	<p>2.1 Set out job to plan from survey controls</p> <p>2.2 Establish profiles to line and level</p>
3. Form earthworks	<p>3.1 Inform plant operators of job requirements</p> <p>3.2 Assess earthworks to ensure that the specified height is achieved, with allowances for the pavement courses and the overall dimensions</p> <p>3.3 Monitor uniform layer thickness and moisture content to ensure consistency with specifications</p> <p>3.4 Monitor stabilisation of existing material</p> <p>3.5 Remove surface area protrusions to prevent damage to geo-synthetic material</p> <p>3.6 Place geo-synthetic material</p>
4. Place and compact sub-grade replacement materials	<p>4.1 Identify, remove and store unsuitable material separately</p> <p>4.2 Place imported replacement/stabilised material as specified</p> <p>4.3 Inform roller operators of the required number of passes</p> <p>4.4 Assess compaction process to ensure nominated number of passes are made to achieve uniform compaction across the subgrade</p>
5. Clean up	<p>5.1 Clear work area and dispose of or recycle materials</p> <p>5.2 Clean, check, maintain and store plant, tools and equipment</p>

Foundation Skills

Foundation skills essential to performance are explicit in the performance criteria of this unit. Further information is available in the Resources and Infrastructure Industry Training Package Companion Volume.

Unit Mapping Information

RIICRC306A Conduct earthworks

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=88a61002-9a21-4386-aaf8-69c76e675272>