



Australian Government

RIICRC203E Install sub-soil drainage

Release: 1

RIICRC203E Install sub-soil drainage

Modification History

Release	Comments
Release 1	This version first released with RII Resources and Infrastructure Industry Training Package Version 6.0.

Application

This unit describes the skills and knowledge required to install sub-soil drainage in civil construction, including setting out and excavating trenches and installing sub-soil drains, end structures or outlets.

It applies to those working in operational roles. They generally work under supervision to undertake a prescribed range of functions involving known routines and procedures and take some responsibility for the quality of work outcomes.

Licensing, legislative and certification requirements that apply to this unit can vary between states, territories and industry sectors. Users must check requirements with relevant body before applying the unit.

Unit Sector

Civil construction

Elements and Performance Criteria

ELEMENT	PERFORMANCE CRITERIA
<i>Elements describe the essential outcomes.</i>	<i>Performance criteria describe the performance needed to demonstrate achievement of the element.</i>
1. Plan and prepare for installing sub-soil drainage	1.1 Obtain, interpret, clarify and confirm work requirements 1.2 Access, interpret and apply documentation required to install sub-soil drainage 1.3 Identify and address potential risks, hazards and environmental issues, and implement control measures within scope of own role 1.4 Select and wear personal protective equipment according to site requirements 1.5 Identify, obtain, confirm and implement signage requirements 1.6 Select plant, tools and equipment required to carry out tasks and check for faults

ELEMENT	PERFORMANCE CRITERIA
	1.7 Plan stockpiling of materials according to job and site requirements
2. Set out and excavate trenches	2.1 Check trench depths and grades against job requirements 2.2 Set out and mark trench location according to job requirements 2.3 Communicate with plant operator to confirm excavation of trenches, placement of shoring and battering against job requirements
3. Install bedding materials	3.1 Identify bedding material type and depth according to job requirements 3.2 Lay bedding materials to specified depths and grades according to job requirements
4. Install sub-soil drainage	4.1 Place geo-textile according to job requirements 4.2 Prepare drain sections and fittings 4.3 Lay subsoil drain according to job requirements 4.4 Identify inspection opening and flush out points according to job requirements 4.5 Fit out end structures, outlets or clean outs to culverts, storm water or subsoil drain systems and connect according to site and job requirements 4.6 Install packing and prepare system for backfilling 4.7 Monitor backfill procedure and confirm work is completed according to job requirements
5. Conduct clean-up activities	5.1 Clear work area and recycle or dispose of materials according to site requirements according to site requirements 5.2 Clean, check, maintain and store plant, tools and equipment according to manufacturer specifications and site requirements

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance but not explicit in the performance criteria.

SKILL	DESCRIPTION
Numeracy	<ul style="list-style-type: none"> Calculates basic measurements, including mass and dimensions
Self-management	<ul style="list-style-type: none"> Monitors and minimises own exposure to worksite risks and hazards during work activities

Unit Mapping Information

Supersedes and is equivalent to RIICRC203D Install sub-soil drainage.

Links

Companion Volume Implementation Guide is found on VETNet -

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