



Australian Government

RIICFW307E Direct cast in-situ piling operations

Release: 1

RIICFW307E Direct cast in-situ piling operations

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 direct cast in-situ piling operations in civil construction. This includes establishing pile locations, providing guidance for the boring of holes, relocating and removing boring rigs and installing casting in bored holes, as well as installing caissons with reinforced construction and placed concrete.

It applies to those working in operational roles. They generally work under minimal supervision to undertake a broad range of tasks in varied work contexts, using some discretion and judgement in selecting equipment, services or contingency measures.

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 to direct in-situ piling operations	1.1 Obtain, interpret and confirm work instructions 1.2 Access, interpret and apply documentation required to direct cast in-situ piling operations and confirm work activity is compliant 1.3 Obtain and interpret emergency procedures and identify steps required to respond to emergencies 1.4 Select and wear personal protective equipment according to site requirements 1.5 Confirm and identify requirements for complying with environmental protection, safety and traffic management signage

ELEMENT	PERFORMANCE CRITERIA
	requirements 1.6 Identify potential hazards and environmental issues, implement control measures within scope of own role and escalate where required 1.7 Select plant, tools and equipment required to carry out tasks and check for faults 1.8 Identify, confirm, and locate materials required for work application
2. Direct rig, locate and prepare pile positions	2.1 Establish location of piles from reference points and set out according to job requirements 2.2 Establish recovery pegs and conduct on-going measurements to confirm location according to job requirements 2.3 Position plant and related equipment according to job requirements and conduct pre-start checks 2.4 Provide guidance for boring of holes according to job requirements 2.5 Direct installation of casing in bored hole according to job requirements 2.6 Prepare pile to receive concrete according to job requirements
3. Assist with placing concrete	3.1 Place concrete into pile according to job requirements 3.2 Identify the process of placing concrete in dry situations and implement where required 3.3 Identify the process of placing concrete in wet situations and implement where required
4. Conduct post-operational requirements	4.1 Provide direction for the relocation of boring rig according to job and site requirements 4.2 Provide direction for the removal of boring rig from site according to job and site requirements 4.3 Clear work area and dispose of or recycle materials according to site requirements 4.4 Clean, check, perform maintenance on 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
-------	-------------

SKILL	DESCRIPTION
Initiative and enterprise	Identifies and executes tasks independently
Numeracy	Calculates basic measurements including mass and dimensions
Oral communication	- Identifies and interprets information from verbal instructions - Conveys information and instructions to others verbally
Self-management	Monitors and minimises own exposure to worksite risks and hazards during work activities

Unit Mapping Information

Supersedes and is equivalent to RIICFW307D Direct cast in-situ piling operations.

Links

Companion Volume Implementation Guide is found on VETNet -

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