



Australian Government

SIFCBGM004 Install basic masonry structures

Release: 1

SIFCBGM004 Install basic masonry structures

Modification History

Not applicable.

Application

This unit describes the performance outcome, skills and knowledge required to carry out basic masonry work for rockeries, monument footings and other grounds work. It applies to general grounds maintenance staff. It involves working under routine supervision and performing work according to work health and safety, relevant legislation and workplace policies and procedures.

No licensing, legislative or certification requirements apply to this unit at the time of publication.

Competency Field

Building and Grounds Maintenance

Unit Sector

Cemetery and Crematoria

Elements and Performance Criteria

ELEMENTS

Elements describe the essential outcomes.

1. Plan work.

2. Select and prepare materials.

PERFORMANCE CRITERIA

Performance criteria describe the performance needed to demonstrate achievement of the element.

- 1.1 Liaise with supervisor or team member to identify and confirm work requirements.
- 1.2 Identify and select tools and equipment according to drawings and specifications.
- 1.3 Check tools and equipment for serviceability and report faults.
- 1.4 Prepare and use personal protective equipment.
- 1.5 Identify unsafe tools and equipment and take corrective action.

- 2.1 Select concrete masonry according to quality requirements and job specifications.
- 2.2 Prepare concrete masonry for cutting and trimming.
- 2.3 Select materials for mortar according to job specifications.

- 2.4 Interpret manufacturer guidelines to prepare mortar mix according to job specifications and transport to job location.
 - 2.5 Finalise adjustments to materials according to specifications.
- 3. Lay masonry.
 - 3.1 Determine and apply required quantity of mortar evenly to job and set out.
 - 3.2 Lay masonry to line, level, plumb and specified bond pattern and cornering.
 - 3.3 Complete masonry work according to job drawings and specifications.
 - 3.4 Erect scaffolding according to work requirements and relevant legislation.
 - 3.5 Finish joints and brush down face work.
- 4. Install reinforcement to masonry.
 - 4.1 Place and lay reinforcement with bed joints according to job specifications.
 - 4.2 Place steel rods for vertical reinforcement to hollow work in locations according to job specifications.
 - 4.3 Carry out jointing or splicing of reinforcing according to engineer specifications.
 - 4.4 Mix, place and compact concrete or mortar to hollow block work.
- 5. Clean site.
 - 5.1 Remove waste and clear area according to workplace requirements.
 - 5.2 Clean, maintain and store tools and equipment according to manufacturer guidelines and workplace requirements.

Foundation Skills

This section describes those language, literacy, numeracy and employment skills that are essential to performance.

Foundation skills essential to performance are explicit in the performance criteria of this unit of competency.

Unit Mapping Information

SIFBGM004A Install basic masonry structures.

Links

Companion Volume implementation guides are found in VETNet -

<https://vetnet.gov.au/Pages/TrainingDocs.aspx?q=c2c3131e-4418-4aa3-8ff1-a855c95f7fd6>

Assessment Requirements for SIFCBGM004 Install basic masonry structures

Modification History

Not applicable.

Performance Evidence

Evidence of the ability to:

- select, prepare, use, maintain and clean the required tools and equipment according to supervisor instructions, workplace policies and procedures, and manufacturer guidelines
- interpret manufacturer guidelines to prepare mortar mix to work specifications
- • set out and lay masonry, including installing reinforcement and cleaning up site, according to work specifications.

Evidence of performance of installing two or more basic masonry structures is required to demonstrate consistency of performance and ability to respond to different situations.

Knowledge Evidence

Demonstrated knowledge of:

- applications of masonry structures in cemeteries,
 - paving
 - paths
 - edging
 - walls
 - retaining walls
 - barriers
 - ornamental garden features
- set out and construction principles and practices in relation to installing basic masonry structures
- properties and characteristics of masonry and associated materials
- hand tools and equipment used in installing basic masonry structures
- personal protective equipments used when installing basic masonry structures
- federal, state or territory, and local government legislation and regulations that impact on concrete construction
- environmental impacts in relation to general grounds care and minimal impact practices to reduce these, especially those that relate to resource, water and energy use
- correct and environmentally sound disposal methods for all types of waste and in particular for hazardous substance in relation to masonry and concrete construction

- workplace policies and procedure in regard to concrete construction and operating and maintenance requirements of relevant hand tools and equipment.

Assessment Conditions

Skills must be demonstrated in the workplace or in a simulated environment that is as industry realistic as possible. In a simulated environment, it is essential that assessment is conducted:

- using suitable facilities, equipment and resources, including:
 - a facility where concreting requirements, such as paving, paths and edges can be applied
 - masonry and mortar, masonry tools and equipment and personal protective equipment
- under industry conditions where there is:
 - integration of tasks with possible interruptions to work typical of the job role
 - speed and timing requirements that reflect commercial operating conditions
 - interaction with supervisor and team members

Assessors must satisfy the NVR/AQTF mandatory competency requirements for assessors.

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