

PERFORM CONSTRUCTION SITE PRELIMINARY WORKS

UNIT CODE: CON/OS/BUT /CR/01/5/A

UNIT DESCRIPTION

This Unit describes the competencies required to perform site preliminary works. It involves clearing building site, hoard/fence construction, laying out building site, interpreting building drawing and setting out building structure.

ELEMENTS AND PERFORMANCE CRITERIA

ELEMENT	PERFORMANCE CRITERIA
These describe the key outcomes which make up workplace functions	These are assessable statements which specify the required level of performance for each of the elements. <i>(Bold and italicized terms are elaborated in the range)</i>
1. Clear building site	1.1 Area to be cleared is identified according to the site plan. 1.2 Features to be cleared are identified as per the building site 1.3 Method of clearance is determined as per the building site condition. 1.4 Tools and equipment for clearance are identified. 1.5 Access roads are prepared according to the site plan
2. Erect Hoard/Fence structure	2.1 Site is fenced according to the current building standards. 2.2 Site is hoarded according to the current building standards. 2.3 Materials for fencing/hoarding are identified. 2.4 Type of hoarding are identified as per the specification.
3. Lay out the building site	3.1 Position of the proposed project is determined as per the site plan. 3.2 Site hutments are positioned as per the site. 3.3 Services are installed as per the site requirement. 3.4 Access Road is created as per the site layout and local authority provisions
4. Interpret building drawing	4.1 Symbols and abbreviations are identified according to the standards. 4.2 Dimensions are identified according to the metric and imperial system. 4.3 Orientation of the building on site is located as per the building drawings. 4.4 Components of building drawings are identified according to building specifications. 4.5 Site plan is interpreted as per the drawing.
5. set out a building structure	5.1 Tools and equipment for setting out are identified as per the job requirement. 5.2 Method of setting out is identified according to the construction site. 5.3 Building structure is positioned based on site plan

RANGE

This section provides work environment and conditions to which the performance criteria apply. It allows for different work environment and situations that will affect performance.

Variable	Range
1. Method of clearance may include but not limited to:	<ul style="list-style-type: none"> • Grubbing • Burning • Dozing • Hand clearing
2. Materials may include but not limited to:	<ul style="list-style-type: none"> • Timber • Iron sheets • Wire mesh • Steel • Plastics moulds • concrete
3. site hutments may include but not limited to:	<ul style="list-style-type: none"> • Material store(s) • Washroom(s) • Changing room • Security office • Preparation room Site office • Parking shade(s)
4. Services may include but not limited to:	<ul style="list-style-type: none"> • Water point • Telephone • Gas • Power • Health • Security • Lighting
5. Components of building drawings may include but not limited to:	<ul style="list-style-type: none"> • Plan • Elevation • Sections • Material list
6. Method of setting out may include but not limited to:	<ul style="list-style-type: none"> • By coordinates • 3-4-5 • Mechanical • Builders square

REQUIRED KNOWLEDGE AND SKILLS

This section describes the knowledge and skills required for this unit of competency.

- Occupational Health and Safety
- Building Drawing
- Construction plants and equipment
- Construction materials

- General Building Construction
- Physical planning
- Environment Management
- Site and workshop management
- Carpentry and Joinery
- Plumbing

Required skills

The individual needs to demonstrate the following skills:

- Communication skills
- Problem solving skills
- Analytical skills
- Numeracy skills
- Construction tools handling skills

EVIDENCE GUIDE

This provides advice on assessment and must be read in conjunction with the performance criteria, required knowledge and skills range.

1. Critical aspects of competency	Assessment requires evidence that the candidate: 1.1 Cleared building site as per task requirements. 1.2 Created access roads according to the site plan 1.3 Fenced and hoarded building site as per building standards. 1.4 Positioned proposed project as per the site plan. 1.5 Installed services as per the site requirement. 1.6 Set out building according as per construction site.
2. Resource implications	The following resources should be provided: 2.1 Access to relevant workplace where assessment can take place. 2.2 Appropriately simulated environment where assessment can take place. 2.3 Resources relevant to proposed activity or task.
3. Methods of assessment	Competency in this unit may be assessed through: 3.1 Practical assignment 3.2 Written 3.3 Oral interview 3.4 Demonstrations 3.5 Observation
4. Context of assessment	Competency may be assessed: 4.1 On-the-job 4.2 In a Simulated workplace setting
5. Guidance information for assessment	Holistic assessment with other units relevant to the industry sector and workplace job role is recommended.