

## EXECUTING SITE PRELIMINARY WORKS

**UNIT CODE:** CON/CU/BUT/CR/01/5

**UNIT DURATION:** 40Hours

### Relationship to Occupational Standards

This unit addresses the Unit of Competency: Execute site preliminary works

### Unit Description

This Unit describes the competencies required to perform site preliminary works. It involves Interpret building drawings, prepare construction site, execute earthworks and Install site utilities.

### Summary of Learning Outcomes

1. To clear building site
2. To erect Hoard/Fence construction
3. To lay out the building site
4. To interpret building drawing
5. To set out a building structure

### Learning Outcomes, Content and Suggested Assessment Methods

Learning Outcome	Content	Suggested Assessment Methods
1. Clearing building site	<ul style="list-style-type: none"><li>• Site clearance:<ul style="list-style-type: none"><li>- Demarcation</li><li>- Demolition</li><li>- Grabbing of shrubs</li><li>- Diversion of water channels and services</li><li>- Site stripping</li></ul></li><li>- Trim hedges</li><li>• Tools and equipment</li><li>• Site plan layout</li></ul>	<ul style="list-style-type: none"><li>• Written assessment</li><li>• Practical</li><li>• Projects</li><li>• Oral assessment</li><li>• Portfolio of Evidence</li></ul>

Erect Hoard/Fence construction	<ul style="list-style-type: none"> <li>• Site hoarding</li> <li>• Tools and equipment</li> <li>• <b>Materials</b> for fencing/hoarding <ul style="list-style-type: none"> <li>- Iron sheets</li> <li>- Timber</li> <li>- Chain link</li> <li>- Steel</li> <li>- Concrete</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Written assessment</li> <li>• Practical</li> <li>• Projects</li> <li>• Oral assessment</li> <li>• Portfolio of Evidence</li> </ul>
Lay out the building site	<ul style="list-style-type: none"> <li>• Site utilities <ul style="list-style-type: none"> <li>- Site office</li> <li>- Material store</li> <li>- Offices</li> <li>- Wash rooms</li> <li>- Access roads</li> </ul> </li> <li>• Services <ul style="list-style-type: none"> <li>- Water point</li> <li>- Power station</li> <li>- Health services</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Written assessment</li> <li>• Practical</li> <li>• Projects</li> <li>• Oral assessment</li> <li>• Portfolio of Evidence</li> </ul>
Interpret building drawing	<ul style="list-style-type: none"> <li>• Components of building drawing <ul style="list-style-type: none"> <li>- Plan</li> <li>- Sections</li> <li>- Elevations</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Written assessment</li> <li>• Practical</li> <li>• Projects</li> <li>• Oral assessment</li> <li>• Portfolio of Evidence</li> </ul>
set out a building structure	<ul style="list-style-type: none"> <li>• Setting out methods <ul style="list-style-type: none"> <li>- 3-4-5 Method</li> <li>- Builders square</li> <li>- Theodolite</li> </ul> </li> </ul>	<ul style="list-style-type: none"> <li>• Written assessment</li> <li>• Practical</li> <li>• Projects</li> <li>• Oral assessment</li> <li>• Portfolio of Evidence</li> </ul>

### Suggested Methods of Instruction

- Discussion
- Direct Instruction
- Lecture
- Question and answer

- Site visits
- Practicals

**Recommended Resources for 25 Trainees**

- Drawing instruments
- 10 Desktop computers/laptops
- 25 Tape measures
- 1 Projector
- 1 Whiteboard
- 1 roll Flip Chart
- 5 Assorted color of whiteboard markers

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