

U16502**Prepare sites for landscaping**

Unit Descriptor:

This unit is about preparing ground for further landscaping work. It is for members of staff who can carry out the work described under limited supervision only:

The typical task you would carry out to complete this unit include:

- Locating the site correctly.
- Confirming what you have to clear.
- Making the site safe and secure.
- Choosing and using the correct tools and equipment (hand-held powered and non-powered) safely.
- Safeguarding features, services and wildlife that should not be cleared or damaged.
- Disposal of hazardous and non-hazardous waste.
- Positioning and working to reference marks.
- Contouring, leveling and excavating to agreed tolerances.
- Clearing and disposing of debris.
- Adding soil amendment and pesticides.
- Achieving correct tilth and finish.
- Securing, cleaning and maintaining tools and equipment.

Clearing the site will require the clearance of unwanted plants, features and debris.

Use of equipment, chemicals and all other activities must meet the requirements of the law and relevant codes of practice.

ELEMENT**PERFORMANCE CRITERIA**

To be competent you must achieve the following:

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| 1. Clear site | 1.1 | Locate the correct site for clearing and confirm what you have to clear. |
| | 1.2 | Instruct the client to facilitate the clearing of the site as necessary. |
| | 1.3 | Identify all of the required tools and equipment you need. |
| | 1.4 | Use the correct tools and equipment to do the job effectively and efficiently. |
| | 1.5 | Clear the site as instructed, on time, and maintaining the safety of yourself and others. |

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| | 1.6 | Keep damage to other features, services and natural environment to a minimum. |
| | 1.7 | Deal with, and dispose of, waste correctly. |
| | 1.8 | Make sure your tools and equipment are secure and in a fit condition to be used again. |
| 2. Level and clear sites for landscaping | 2.1 | Confirm the level and planting layout to be achieved. |
| | 2.2 | Excavate the site as necessary to required levels within specified tolerances. |
| | 2.3 | Clear debris effectively, safely and tidily. |
| | 2.4 | Assist with marking out planting layout. |
| | 2.5 | Reinstate the size to specified levels using the appropriate media. |
| | 2.6 | Keep working areas clean according to client requirements. |
| | 2.7 | Complete work to the agreed schedule. |
| 3. Prepare soil for planting, seeding and turfing | 3.1 | Select and use tools and equipment correctly, safely and effectively. |
| | 3.2 | Add the materials specified for the operation. |
| | 3.3 | Produce the required tilth for the specified finish. |
| | 3.4 | Clear debris from the site effectively, safely and tidily. |
| | 3.5 | Complete work to the agreed schedule. |

RANGE STATEMENT

You must cover the items below:

Element 1: Clear sites**A. Clear one of the following sites:**

- (i) green-field
- (ii) urban derelict
- (iii) reclaimed land
- (iv) existing gardens

B. Use both of the following types of tools and equipment: (Also applies to elements 2 and 3)

- (i) hand-held powered
- (ii) hand-held non-powered

C. Dispose of one of the following types of waste.

- (i) hazardous
- (ii) non-hazardous

Element 2: Level and clear sites for landscaping**A. Level and prepare one of the following sites:**

- (i) green-field
- (ii) urban derelict
- (iii) reclaimed land
- (iv) existing gardens

Element 3: Prepare soil for planting, seeding and turfing**A. Level and prepare soil on one of the following sites:**

- (i) green-field
- (ii) urban derelict
- (iii) reclaimed land
- (iv) existing gardens
- (v) construction site

B. Add all of the following types of material:

- (i) soil amendment
- (ii) fertiliser
- (iii) pesticides

UNDERPINNING KNOWLEDGE AND SKILLS

1. The main difference in working on the types of sites listed.
2. The safety and security issues you must take account of when clearing sites.
3. Why it is important to confirm what you should clear and how you should do this.
4. The different clearing methods that you can use.
5. How to select and use the tools and equipment you need safely and efficiently.
6. Why it is important to keep damage to other features, services and wildlife to a minimum.
7. What types of hazardous materials you might come across and how to deal with these safely and correctly.
8. The correct methods of disposing of hazardous and non-hazardous waste.
9. Why it is important to make sure that your tools and equipment are secure and in a fit condition to be used again.
10. Why it is important to level and prepare sites effectively for hard landscaping works.
11. Why it is important to position reference marks correctly according to specification.
12. How to ensure that contours, levels and excavations are accurate to positioned marks.
13. How to interpret and work within specified tolerances.
14. Why it is important to clear debris effectively, safely and tidily.
15. How to reinstate ground to specified levels and why this is important.
16. The type of damage which is likely to occur to services and surroundings and how to keep this to a minimum.
17. Why it is important to keep working areas clean according to clients' requirements.
18. Why it is important to complete work to agreed schedule.
19. The relevant legislation and codes of practice covering this area of work.
20. Where and when composts and fertilizers should be used and the types of composts and fertilizers that are appropriate.
21. The types of tilth that maybe required for the required use and finish.
22. The dangers of underground services and how to take account of these when working.
23. Types of finish and their use.

EVIDENCE GUIDE

For assessment purposes:

(1) Critical Aspects of Evidence

Assessment should involve observation of work processes at intervals when site is being prepared and questioning related to underpinning knowledge.

Performance evidence must be provided for all of the performance criteria in this unit.

You must provide evidence of clearing and preparing **one** of the sites below:

- a. green field – minimum size 15m²
- b. urban derelict – minimum size 50m²
- c. reclaimed land – minimum 50m²
- d. existing gardens – minimum size, any size
- e. construction – minimum size 50m²

Clearing the site will require the clearance of unwanted plants, features and debris.

In addition you must prove that you know how to operate **both**:

- f. hand-held powered tools and equipment
- g. hand-held non-powered tools and equipment

When clearing sites you must show that you can dispose of **one** of the following **types of waste** correctly:

- h hazardous
- i non-hazardous

When preparing soil you must demonstrate the ability to add soil amendment, compost and fertilizers and pesticides.

Use of equipment, chemical and all other activities must meet the requirements of the law and relevant codes of practice.

(2) Methods of Assessment

Observation by your assessor of you:

- Locating the site correctly.
- Making the site safe and secure.
- Choosing and using the correct tools and equipment (hand-held powered and hand-held non-powered) safely.
- Positioning and working to reference marks.
- Contouring, leveling and excavating to agreed tolerances.
- Clearing and disposing of debris.
- Achieving the correct tilth and finish.
- Securing, cleaning and maintaining tools and equipment.

Answers to written or oral questions from your assessor.

(3) Context of Assessment

Evidence from simulations is acceptable for demonstrating the use of powered equipment.