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## Overview

This standard covers the maintenance of land drainage systems.

This standard is for those responsible for the maintenance of land drainage systems.

The typical activities you would carry out include - inspecting drainage systems, identifying blockages and leaks, dealing with blockages and leaks.

If you are working with chemicals or machinery you need to be appropriately trained or certificated in line with current legislation

You must carry out your work in a way which will minimise any impact on the natural environment and enhance its nature, conservation and recreational value

**Performance  
criteria**

**You must be able to:**

- P1 assess the risks associated with the site and the proposed work
- P2 inspect and assess drainage systems according to agreed time schedules
- P3 select, prepare, use and maintain equipment and machinery that is appropriate for the work, safely and effectively
- P4 use working methods that are safe and efficient
- P5 take action to restore drainage systems to full effectiveness
- P6 record inspections and work undertaken
- P7 maintain effective working relations with all relevant people throughout
- P8 minimise damage to services and surroundings
- P9 deal with waste safely and correctly in accordance with instructions
- P10 restore the site to an appropriate condition following completion of the work
- P11 carry out all work in accordance with relevant environmental and health and safety legislation, risk assessment requirements, codes of practice and company policies

**Knowledge and understanding**

**You need to know and understand:**

- K1 how to identify hazards and assess risks
- K2 how to interpret risk assessments
- K3 how to select, prepare, use and maintain equipment and machinery in a safe and effective condition
- K4 the schedule of inspections required to identify faults
- K5 the importance of inspecting drainage systems according to schedule
- K6 how to carry out inspections of drainage systems
- K7 the types of problems that are likely to occur with drainage systems
- K8 how to identify impeded drainage and its causes
- K9 methods to correct impeded drainage
- K10 the factors affecting flow rates in drains
- K11 the importance of drainage systems working efficiently and effectively
- K12 the principles of drainage design
- K13 the principles and calculations relating to drainage specifications
- K14 how to correct problems with drainage systems
- K15 why it is important to keep working areas clean and tidy
- K16 the type of damage which is likely to occur to services and surroundings and how to keep this to a minimum
- K17 how to handle, transport and dispose of waste in accordance with legal and organisational requirements
- K18 why it is important to complete work to the agreed schedule
- K19 the records which need to be completed
- K20 your responsibilities under current environmental and health and safety legislation, codes of practice and company policies

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**Glossary**

specification – drawings, schedules, method statements, Standard Operating Procedures (SOPs), manufacturers guidelines, customer requirements

Instructions – verbal or written

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Relevant occupations Estate Worker; greenkeeper; groundsman; gardener; landscaper;

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Suite Horticulture; Environmental Conservation

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