
Overview

This standard covers co-ordinating and overseeing the construction and maintenance of land-based site infrastructure, which includes boundaries and access points, paths and surfaces, structures, site furniture and drainage.

You will require technical knowledge, understanding and skills in relation to construction, and installation and maintenance methods for all types of site infrastructure.

Those carrying out the work might include direct labour, contractors or volunteers.

Anyone working with power tools, machinery or the application of chemicals must be trained and hold current certification where required in line with relevant legislation.

You must carry out your work in a way that takes account of its impact on the environment.

This standard is suitable for those with responsibility for co-ordinating work to construct or maintain land-based site infrastructure.

Performance criteria

You must be able to:

1. check plans and specifications for details of the work required for the construction and maintenance of land-based site infrastructure
2. carry out further research or surveys, where additional information is required
3. confirm that maintenance schedules are adhered to, and respond to the need for urgent work
4. consider the use of the site and take account of this when co-ordinating the work
5. identify the optimal time for the work to be carried out
6. identify any relevant site restrictions or designations in place and obtain any necessary permissions, consents or licences
7. confirm that a risk assessment is carried out and procedures are in place to protect the health and safety of those undertaking the work and other users of the site
8. confirm that procedures are in place to protect the biosecurity of the site
9. carry out an environmental assessment of the site before starting work
10. identify and establish the availability of resources required for the work
11. establish procedures for the recycling or disposal of waste and excess materials in accordance with the relevant legislation and the requirements of your organisation
12. determine the best methods for transporting equipment, materials and the workforce to and from site
13. develop work plans and specifications for the work in a relevant format
14. brief those carrying out the work and provide all necessary details to enable them to complete their job
15. maintain communication with those involved in, or affected by, the work
16. oversee the construction or maintenance work as it is taking place and check that it is completed in accordance with work plans and specifications
17. confirm work is carried out in accordance with the relevant environmental and health and safety legislation, risk assessment requirements and policies of your organisation
18. check that the work is carried out tidily and safely with due regard to other users of the site
19. evaluate the completed work to check it meets specifications
20. refer concerns about condition and safety features of facilities to the relevant

specialists

21. take action where changes are required to the plan
22. confirm records are maintained and stored as required by the relevant legislation and your organisation
23. confirm the work is carried out in accordance with the relevant national legislation, local regulations, guidance, codes of practice and policies of your organisation
24. check that the site is reinstated to the required condition which is consistent with the surrounding area following completion of the work
25. monitor and evaluate the effectiveness of the infrastructure construction and maintenance work over relevant timescales
26. use the outcomes from the monitoring to inform future infrastructure construction and maintenance work

Knowledge and understanding

You need to know and understand:

1. how to interpret plans and specifications for the details of the work required for the construction and maintenance of land-based site infrastructure
2. how to obtain additional information through research or surveys
3. the effect that different land uses have on the construction and maintenance of land-based site infrastructure and how to balance conflicting needs when co-ordinating the work
4. the other factors to consider when co-ordinating the work to be carried out
5. how to determine the best time for construction or maintenance work
6. how maintenance schedules are developed and the maintenance requirements for different site infrastructure
7. the decay patterns of construction materials
8. the implications of any relevant site restrictions or designations that are in place
9. the circumstances where permissions or licences are required and how to go about obtaining these
10. how to identify hazards, assess risks, and develop safe working methods
11. the importance of biosecurity and the required biosecurity measures for the site
12. the importance of carrying out an environmental assessment of the site before starting work, and the findings that may affect the proposed work
13. how to determine the resources required to carry out the work and how to check they are available where and when required
14. the relevant legal and organisational requirements for the handling, transport, storage, recycling or disposal of waste and excess materials
15. the importance of producing work plans and specifications and the format that these should be in
16. the importance of briefing the workforce and how to do this
17. the importance of maintaining communication with those involved in, or affected by, your work and how this should be done
18. the importance of overseeing work that is being carried out to check it is completed in accordance with work plans and specifications
19. the equipment, machinery and materials required for the job and the importance of checking that these are used safely and effectively
20. your responsibilities under the relevant environmental and health and safety

legislation, risk assessment requirements, codes of practice and the policies of your organisation

21. the importance of checking that work is carried out tidily and safely and that the site is restored following completion of the work

22. the potential problems that may arise with the construction and maintenance of land-based site infrastructure and the actions to take

23. the limits of your own expertise and where to seek advice

24. the relevant legal requirements and those of your organisation for the completion and storage of records

25. the relevant national legislation, local regulations, guidance, codes of practice and policies of your organisation

26. the importance of longer-term monitoring to determine the effectiveness of construction and maintenance work and the best methods for doing this

27. how to use the outcomes of monitoring to help plan future construction and maintenance work

Glossary

Factors to consider could include:

- usage
- cost
- lifespan
- historic value
- relationship with the landscape
- regional character**

Site restrictions or designations could include:

- National Park
- Site of Special Scientific Interest (SSSI)
- Special Area of Conservation (SAC)
- Special Protection Area (SPA),
- Area of Outstanding Natural Beauty (AONB)
- National Nature Reserve
- Marine Conservation Zone
- World Heritage Site (WHS)
- Archaeological site
- Nitrogen Vulnerable Zone (NVZ)
- Drinking Water Safeguard Zones
- Scheduled Monument (SM)
- Listed Building (LB)
- Registered Parks and Gardens (RPGs)
- Registered Battlefield (RB)
- Sites identified on the Historic Environment Record (HER)

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- Public rights of way and access land
 - Military training area

Work plans and specifications could include:

- drawings/plans
- site maps/aerial image assessment
- schedules
- method statements
- Standard Operating Procedures (SOPs)
- manufacturers' guidelines
- legal requirements
- good practice guidelines
- customer requirements
- standard of outcome required
- verbal instructions

LANCS22L

Co-ordinate and oversee the construction and maintenance of land-based site infrastructure LEGACY



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