

LANFe8 - SQA Unit Code H0X1 04

Excavate, prepare and form foundations for vehicle restraint systems



Overview

This standard describes how to excavate, prepare and form foundations for vehicle restraint systems (VRS).

This standard is designed for a VRS installer working on highways.

This standard covers:

- Excavating
- Preparing
- Form foundations

for vehicle restraint systems.

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Performance criteria

You must be able to:

- P1 carry out work in accordance with relevant health and safety legislation, risk assessment requirements and company policies
- P2 carry out all work in accordance with instructions and specifications
- P3 select and prepare tools, equipment and resources ready for use
- P4 use recommended working practices to excavate ground to conform with required specifications
- P5 place concrete and compact to form for foundation strength, size, profile and finish
- P6 establish appropriate provision to support the future installation of posts
- P7 carry out work in a manner which causes minimal damage to the surrounding area
- P8 set up signs and barriers to protect people and create a safe working environment
- P9 monitor and maintain signs and protective barriers in good working order within your level of responsibility
- P10 maintain tools, equipment and resources in a clean and serviceable condition throughout work
- P11 dispose of waste and excess materials safely to minimise environmental risk according to legal requirements

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Knowledge and understanding

You need to know and understand:

- K1 the health and safety requirements associated with excavation work
- K2 the health and safety requirements associated with sign and barrier installation including permits-to-work schemes
- K3 where to obtain instructions on how to carry out your work such as drawings, specifications, schedules, method statements, standard operating procedures (SOPs), manufacturers' guidelines or verbal instructions
- K4 the types of equipment used for excavating post holes and strip trenches
- K5 the procedures to follow when uncharted services or substructures are located
- K6 the procedures to follow if services or substructures are damaged
- K7 how and when temporary supports should be used to support excavations
- K8 the precautions to take when shafts or hidden substructures are located
- K9 the reasons for traffic management when working adjacent to highways and other transport systems
- K10 the types of signs and protective barriers used within the fencing industry
- K11 the storage requirements of signs and protective barriers
- K12 the methods and ratios used for mixing, placing, compacting, finishing and curing concrete
- K13 the methods used for forming pockets in concrete for future fixing
- K14 the techniques used for casting-in fixing items
- K15 the legal requirements controlling the disposal of waste and excess materials
- K16 the potential impact of your work on the surrounding area and how to minimise this

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Suite Fencing

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