

## Location and Avoidance of Underground Apparatus

This unit covers the requirements that you must meet when locating and avoiding underground utilities' apparatus. **You must ensure that you act in accordance with all current specifications and procedures and that you follow safe working practices at all times when carrying out the activities covered in this unit. The Code of Practice specified in this unit is *Specification for the Reinstatement of Openings in Highway***

The unit contains the following four elements, which you must cover:

- 1.1 Interpret plans showing location of underground apparatus
- 1.2 Identify types of underground apparatus encountered during excavation
- 1.3 Identify risks of, and implications of, damage to underground apparatus
- 1.4 Use pipe and cable location equipment

In element 1.1, you will need to carry out a survey of the work site to establish that the plans correspond with the site details. You will need to check that the symbols on the plans have been interpreted accurately, and that the information recorded on plans can be identified easily. You will need to ensure that the site has been marked clearly to avoid possible misinterpretation of the plans, and that the information provided on the plans is applied correctly to the current site.

In element 1.2, you will need to ensure that the possible types of underground apparatus are identified and that the appropriate safety procedures are observed at all times during their identification

In element 1.3, you will need to carry out a risk assessment exercise to identify the risks and implications of damage to the different types of underground apparatus

In element 1.4, you will need to select appropriate pipe and cable location equipment. You must check the equipment selected and prepare it correctly for use. You will need to complete the necessary search procedures, following the safety standards stated in the current specifications, and you must review and interpret the results of your search correctly.