



## **Training Course Syllabus**

### **COURSE TITLE:**

Avoiding Danger from Underground Services (training designed to meet the assessment requirements of Unit 1 NRSWA 1991)

**COURSE REFERENCE:** 202

### **DURATION:**

7 hours (Recommended Minimum Duration)

### **COURSE AIMS:**

This course aims to provide suitably qualified employees working within the Highway Electrical Sector the underpinning skills required to understand and use equipment to avoid danger from underground services. Additionally this course aims to provide sufficient knowledge to undertake the Assessment for Unit 1 of the NRSWA 1991.

### **PREREQUISITES:**

In order to gain maximum benefit and learning outcomes from this course there a number of training modules, which are required before attending. A complete list of pre-course requirements is shown in the Contents.

### **ASSESSMENT:**

A practical assessment will form part of this course, which will include an assessment on the use of appropriate detection equipment and drawings to locate underground services.

### **OBJECTIVES:**

On completion of the course learners will:

- Identify associated Hazards.
- Identify a Safe System of work.
- Demonstrate the correct location of services using Site Drawings
- Identify underground services
- State the need for Underground Service Avoidance
- Demonstrate the correct use of underground services drawings
- Demonstrate the correct use of the Cable Avoidance Tool.
- Demonstrate the correct use of the Generator and Ancillary equipment.
- State the need for Safe Excavation/digging

### **COURSE TOPICS:**

- Identification of hazards.
- Safe Systems of Work and HS (G) 47.
- Site drawings
- Service types
- Introduction to CAT & Genny
- Operation of Cable Avoidance Tools.
- Operation of Generators.
- Using the CAT in conjunction with a Sonde
- Safe Excavation

### **PRACTICAL:**

To enable maximum learning and benefit from this course, there will be a number of learner exercises. These may be both interactive and demonstrative to enhance the learning experience.