

# LOCATING AND CLEARING BLOCKAGES IN UTILITY PIPE NETWORKS



## ACCREDITATION

Upon successful achievement learners will be issued with a Smart Awards certificate valid for 3 years.

## TYPE, LEVEL AND GRADING

Training and Assessment  
Level 2  
Pass

## DURATION AND RATIO

1-day experience/refreshers. Trainer 1.10

## PRE-REQUISITE

This qualification is available to anyone over the age of 18 who is capable of reaching the required standard. There are no barriers that restrict access or progression thereby promoting equal opportunity. It is expected however that learners will have a level of literacy adequate to cope with the assessment.

## ENTRY REQUIREMENTS

There are no formal entry requirements and Smart Awards will not restrict access on the grounds of prior academic attainment, age, employment, geographic location or any other grounds. There are no barriers that restrict access or progression thereby promoting equal have a level of literacy adequate to cope with the examination.

## SECTOR SUBJECT AREA (SSA)

5.2 Building and Construction

## AGE RANGE

18yrs plus

## SAFE PRACTICE

It is the responsibility of the centre in consultation with the assessor to ensure that risk assessments have been carried out. During this training you must take account of the relevant worksite operational requirements, procedures and safe working practices.

## INTRODUCTION

This qualification is for those involved in locating and clearing blockages in utility pipe networks including how to comply with health and safety legislation. The target audience is aimed at those working in the telecoms and utility sectors including suppliers and contractors.

## Learning Outcomes

- Know the processes, regulations and legislations associated with working safely in locating and clearing blockages in utility pipe networks.
- Know the procedures, tools, equipment and materials for excavation for locate and clear pipe blockage including excavation and reinstate surfaces on utility network plant.
- Be able to carry out locate pipe blockage including excavation surfaces on utility network plant.
- Be able to carry out clear and repair pipe blockage including reinstating surfaces on utility network plant.

## Structure

Learners must achieve one mandatory unit to pass.

## Purpose

Prepare for further learning or training and/or develop knowledge and/or skills in a subject area.

## Behaviours

- Logical and creative thinking skills
- Analytical and problem-solving skills
- Ability to work independently and as part of a team
- Can use own initiative
- A thorough and organised approach to work
- Ability to work with a range of internal and external people
- Ability to communicate effectively orally and in writing in a variety of situations and at all levels with colleagues and customers
- Maintain productive, professional and secure working environment
- Listen actively, ask questions, clarify points and restate or rephrase statements to check mutual understanding
- Act within the limits of your authority
- Refer issues outside the limits of your authority to appropriate people
- Show integrity, fairness and consistency in decision-making
- Take personal responsibility for making things happen
- Protect your own and others' work against negative impacts
- Model behaviour that shows, and inspires others to show, respect, helpfulness and cooperation.

## EXPECTATIONS AT LEVEL 2

### Summary

Achievement at level 2 reflects ability to select and use relevant knowledge, ideas, skills and procedures to complete well-defined tasks and address straightforward problems. It includes taking responsibility for completing tasks and procedures and exercising autonomy and judgement subject to overall direction or guidance.

### Knowledge and Understanding

- Use understanding of facts, procedures and ideas to complete well-defined tasks and address straightforward problems.
- Interpret relevant information and ideas.
- Be aware of the types of information that are relevant to the area of study or work.
- Demonstrate and/or work with knowledge and understanding of basic processes, materials and terminology.

### Application and Action

- Complete well-defined, generally routine tasks and address straightforward problems.
- Select and use relevant skills and procedures
- Select appropriate tools and materials and use safely and effectively (for example without waste)
- Adjust tools where necessary following safe practices
- Plan and organise both familiar and new tasks
- Identify, gather and use relevant information to inform actions
- Identify how effective actions have been

### Autonomy and Accountability

- Take responsibility for completing tasks and procedures
- Exercise autonomy and judgement subject to overall direction or guidance
- Show an awareness of others' roles, responsibilities and requirements in carrying out work

### ASSESSMENT

Practical assessment

Multiple choice questions

## Assessment Criteria

- Demonstrate how to prepare and use correct tools and equipment.
- Carry out risk assessment and the control measures necessary for the works.
- Demonstrate correct PPE requirements under the Personal Protective Equipment at work regulations and procedure for checking PPE is fit for purpose.
- Monitor site safety and security and respond to any unsafe situations.
- Locate and identify underground network plant including able to read utility prints.
- Identify over ground signage and marker posts
- Interpret plans and drawings (Job Packs) and follow instructions.
- Follow company procedure for identification and application of safe procedure for handling hazardous and non-hazardous materials
- Identify and adhere to processes when handling materials subject to COSHH regulations
- Follow organisations procedures for handling new, used and contaminated materials.
- Carry out safe dig processes.
- Identify marking and carry out pilot hole to identify and locate blockage in network plant infrastructures
- Use industry methods and equipment for identifying and locating pipe blockage.
- Follow organisations method statement for repair of various diameter pipe made of different materials.
- Follow organisations method statement for repair of earthenware or Self Aligning pipe
- Follow organisations method statement for repair and removal of asbestos pipe
- Use the tools and materials for removing damaged sections of pipe and repairing the removed section to make good.
- Identify and use correct repair kit for the pipe type using the organisations method statements.
- Clear blockage in pipe bends and swept tees.
- Clear blockages and affect a repair to pipes that are occupied by cables.
- Test the box to box section of the repaired pipe network.
- Reinstate the excavation in accordance with the NRSWA requirements.
- Leave site secured, sign and guarded to the NRSWA requirements for the next activity, repair of network, to take place.
- Clear the site and report the site status and record
- Store information to organisational requirements.