Excavation safety inspection

UNIT STANDARD NUMBER: 262744
UNIT STANDARD LEVEL (NQF): 04 (12 credits)
FIELD: Physical Planning and Construction

Duration

Full Training (Novice): 2 Days
Recertification Training/Evaluation: 1 Day
Remedial Training: 1 Day

Students

Minimum of 6 to a Maximum of 10

Course outline

Introduction to trench and excavation safety

We discuss collapse of excavations, falling or dislodging material, falling into excavations and inspections as an introduction.

Soil classification We identify soil by classification, discuss appointed of a competent person that should determine the soil type, visual and manual tests.

Excavation sloping and benching We explain:

- Sloping systems,
- Simple sloping systems for type “A” soil,
- Simple sloping system for TYPE “B” soil,
- Simple sloping system for TYPE “C” soil,
- Benching systems,
- Bench systems for Type “A” soil,
- Bench systems for TYPE “B” soil,
- Combination sloped/benched systems,
- Combination systems for TYPE “A” soil,
- Combination system for TYPE “B” soil, • Combination system for TYPE “C” soil and
- Layered systems.

Shoring and shielding We discuss:

- Soil Mechanics,
- Shoring Types,
- Hydraulic Shoring,
- Pneumatic Shoring,
- Shielding Types,
- Trench Boxes and
- Combined Use,

Special health and safety considerations

We discuss the appointment of a competent person, surface crossing of trenches, ingress and egress, exposure to vehicles, exposure to falling loads, warning systems for mobile equipment, hazardous atmospheres and confined spaces, emergency rescue equipment, standing water and water accumulation, inspections, site assessment questions and emergency procedures.

Each learner will receive

- A learner workbook including progress quizzes
- Logbook and checklist example templates
- A portfolio of evidence of practical and theoretical evaluations

Assessment methods

We conduct a formative theoretical assessment at the beginning of the course to gauge the learner’s initial understanding (novices only). At the end of the training, a summative theoretical, as well as a practical application assessment is conducted, and the learner is found competent, and if not, additional developmental areas are identified and suggested.

This Multimedia Training Programme Includes:

- Detailed subject notes and illustrations
- Progress quizzes keep learning on track
- An overhead slide presentation providing supplementary information
- Videos illustrate best practices, case studies, and operational examples

TIM SHERQ CONSULTANCY

Address: Unit: 22; Kloofberg Business Park; 17 Spruit Street; Germiston; 1401

Tel: +27814135910

Fax: +27864107887

Email: info@timsherq.co.za

Web: www.timsherq.co.za