



RISK ASSESSMENT

ACTIVITY: Trench Excavation

<p>HAZARDS IDENTIFIED:</p> <ul style="list-style-type: none"> Buried services Water Working at height The falling or dislodgement of earth or rock. Vibration and hazardous noise. Contaminated ground Moving plant 	<p>ASSOCIATED RISKS:</p> <ul style="list-style-type: none"> Collapse of the trench Serious injury Fatality Suffocation Flooding Undermining adjacent Structures Surcharging the excavation (Applying pressure to the sides of the excavations e.g. vehicles moving to close to the excavation)
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<p>SEVERITY RATING:</p> <p>LIKELIHOOD RATING (severity X Likelihood) = 3 x 3</p> <p>OVERALL RISK RANKING (severity X Likelihood) = 9</p>	<p>1 = MINOR</p> <p>1 = LOW</p>	<p>2 = SERIOUS</p> <p>2 = MEDIUM</p>	<p>3 = MAJOR</p> <p>x</p> <p>3 = HIGH</p> <p>x</p>
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<p>RISK RANKING PRIORITY:</p> <ul style="list-style-type: none"> 8-9 Unacceptable 4-7 Tolerable 2-3 Adequate 1 Acceptable 	<p>RISK SCORE ACTION</p> <ul style="list-style-type: none"> (Works must not start until strict controls are in place) (Prioritise and control action as far as practicable) (look for possible improvement at the next review) (No further action required review periodically)
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CONTROL MEASURES:

General controls

- (a) Barriers, signage & lighting to be provided to prevent falls into excavations
- (b) Service location plans for the area checked, CAT scan used prior to excavations.
- (c) Store materials away from excavations.
- (d) Consultation between site engineer and project manager to agree a safe method to dig the trench and to prevent collapse e.g. angle of battering or stepping excavations required for soil conditions or details of trench supports to be used, shields, trench boxes, plate lining systems etc.
- (e) Ensure there is safe access and egress
- (f) Excavation checklist to be completed for all work shifts.
- (g) Permit to dig forms to be completed.
- (h) Ensure heavy plant/vehicles are not near the edge of the trench unless the support work is designed to permit it.

(i) Note: Trench work is very high-risk work and must only be carried out by trained and competent persons.

<p>REVISED SEVERITY RATING</p> <p>LIKELIHOOD RATING (severity X Likelihood) =</p> <p>OVERALL RISK RANKING (severity X Likelihood) =6</p>	<p>1= MINOR</p> <p>1=LOW</p>	<p>2= SERIOUS</p> <p>2= MEDIUM</p> <p>x</p>	<p>3 = MAJOR</p> <p>x</p> <p>3 = HIGH</p>
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 <p>Head EN 397</p>		 <p>Dust Mask FFP3</p>	 <p>Boots BS EN 345-1</p>	 <p>Gloves BS EN 388</p>	 <p>Hearing EN 352-1</p>	 <p>Eye protection BS EN Spec 166</p>
YES	YES	Site Specific	YES	Site Specific	Site Specific	YES

Site notes:

ASSESSMENT COMPLETED BY: Neil Gulvin

SIGNED:



DATE: 10/010/2021

REVIEW DATE: 10/10/2022