

Task/Activity: RA26 Hand Excavation	Date assessment completed: 31/1/2023	Review Date: 31/1/2026
Brief Details of Task/Activity: Hand excavation in highway – pneumatic tools and pick/spade implements	Assessment completed by: Sean Croudace	Signature:

What are the hazards? e.g. slip/trip hazards, electricity, manual handling, work equipment	Who might be harmed and how? e.g. staff, service users, visitors etc... and likely injury e.g. bruises, muscle strain, fracture, poisoning etc...	What are you already doing to control the hazard?	What further action or additional controls are required (if necessary)	Risk rating (after control measures)	Action by who	Action by when	Date completed
Working near live traffic. / R.T.C with other road users.	Employees and the public. Collision with traffic, Slips, trips, and falls.	Traffic management controls to Chapter 8 of the Traffic Signs Manual. Correct PPE to be worn (SEE PPE LIST 1) Regular servicing and daily checks prior to use to ensure machinery is operating correctly. Operators to have a safe working area, and correct training.	Maintain operative/supervisor NRASWA/City and Guilds Chapter 8 Signing and Guarding training. Ensure PPE is being worn as advised and replace as necessary.	E			
Manual handling, bending, twisting and lifting.	Employees Musculoskeletal injuries, sprains, strains.	Operatives to have Manual Handling training (SEE MANUAL HANDLING GUIDANCE LIST 1 and manual handling risk assessment RA05) Suitable P.P.E to be worn at all times. (SEE PPE LIST 1)	All operatives to have undertaken mandatory Manual Handling training. Ensure PPE is being worn as advised and replace as necessary.	D			

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Gas, electricity, water.	Employees Fatality, major/minor injuries electrocution, shock, burns, cuts, bruises	Operatives experienced in work activity. Service drawings supplied and checked before commencing work. Operatives trained in the use of cable detection and avoidance equipment. Operatives to wear correct PPE at all times. (SEE PPE LIST 1) Annual calibration of cable avoidance equipment	Maintain NRASWA City and Guilds Cable Avoidance certification. Ensure PPE is being worn as advised and replace as necessary.	E			
Climate and environmental conditions	Employees Climate induced injuries. Injuries from falls, slips and trips (ground conditions.)	Only trained and competent operators to carry out activity. Correct PPE issued and use monitored (SEE PPE LIST 1) .	Ensure PPE is being worn as advised and replace as necessary.	E			

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e.g. slip/trip hazards, electricity, manual handling, work equipment	e.g. staff, service users, visitors etc... and likely injury e.g. bruises, muscle strain, fracture, poisoning etc...						
Engine heat, noise, fumes. Moving parts, vibration of equipment.	Employees and the public. Cuts, Bruises, burns, trapped/crushed limbs, breathing problems. Hearing loss/impairment. Hand arm vibration. (H.A.Vs)	Plant to be maintained by competent person ensure pre-use checks and inspections are carried out before use. Correct training. Suitable P.P.E to be worn at all times. (SEE PPE LIST 1) Remove from service any machinery with higher vibration levels. Vary work to avoid over exposure to vibration. Rotate operatives using machinery. Monitor operative vibration exposure levels and annual HAVs assessment via OHU (SEE HAVS LIST 1 and vibration risk assessment RA01) Ensure correct fuel is used – ie not two stroke oil / petrol mix in four stroke engines	All faults are to be reported immediately and machinery replaced/repared as necessary. Ensure PPE is being worn as advised and replace as necessary.	E			

CATEGORIES OF LIKELIHOOD	
Highly Likely	Expected to happen/reoccur, possibly frequently.
Possible	Might happen/reoccur at some time depends on circumstances.
Unlikely	Not expected to happen/reoccur but possible in certain circumstances.
Very Unlikely	Would only occur in very exceptional circumstances.

CATEGORIES OF CONSEQUENCE SEVERITY	
Catastrophic	Incident could result in <u>one or more fatalities</u> .
Major	Major injury resulting in incapacity, hospitalisation >24 hours.
Significant	Injury requires attention of a Doctor or Hospital treatment or hospitalisation <24 hours.
Minor	Small cut, bruise, abrasion, basic first aid treatment provided.
Negligible	Some discomfort, self help. No treatment required.

RISK RATING				
	Highly Likely	Possible	Unlikely	Very Unlikely
Catastrophic	A	A	B	E
Major	A	B	C	E
Significant	B	C	D	E
Minor	C	D	E	E
Negligible	E	E	E	E

RISK CLASSIFICATIONS	
A	Unacceptable risk , requires immediate attention. Work <u>should not be started or continued</u> until the level of risk has been reduced.
B	High risk , requires immediate attention. Control measures must be identified and put into place as soon as possible.
C	Medium risk , requires attention as soon as possible. The risk should be only be tolerated in the short term and only when further control measures are being planned and introduced, Timescales must be short.
D	Low risks , confirm that there are no low/no cost solutions which may eliminate/ reduce the risk further.
E	Trivial risk , no further action required but review at regular intervals to ensure controls remain effective.