


HAZARD / WORK ACTIVITY ASSESSED	Hand Augering
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Hazard (something with the potential to cause harm)	Risk rating prior to control			Who may be harmed					Control Measures	Risk rating after control		
	Severity	Probability	Risk	Operator	Employee	Visitor	Public	Sub-cont		Severity	Probability	Risk
Underground Services – damage to and striking of	4	2	8	x					Use of CAT scan equipment prior to excavation/augering must always be undertaken. Regular sweeps of the ground in open excavations by a service detector are to be made at maximum 300mm depth intervals. If live services are encountered always try and re-locate the position of the borehole. If repositioning of the trial hole is not possible services must be isolated and exposed by hand. If an obstruction is encountered, do not try and break through it. If it cannot be exposed by hand reposition borehole in an attempt to avoid the obstruction.	4	1	4
Services – electrocution	4	2	8	x					Rubber soled safety boots and rubber gloves should always be worn when hand augering.	4	1	4
Hand augering – injury to musculoskeletal system; back muscles / tendons etc	3	3	9	x					Always use correct manual handling and kinetic lifting techniques, ie good stance, straight back when twisting the auger handle with downwards pressure, do not over twist and prevent any jarring effects, do not jerk on auger handle when retrieving upwards, dismantle auger extensions when at deeper depths to reduce weight. Wear correct PPE / gloves for good grip on auger handle. Each operator must work to own physical capability, an assessment of the environment must be made, ie ground conditions within bore hole, adverse weather conditions which may affect surface conditions, appropriate safe system of work adopted and control measures must be put in place. Should the operation exceed the operator's assessment of their physical capability, operator must report to the office for further instruction.	3	1	3
Third parties – injury to	3	2	6	x	x	x	x	x	Do not allow other persons to stand behind you when you are working. Always be aware of your surroundings, i.e. low head room or overhead cables.	3	1	3

SAFETY METHOD STATEMENT

1. Location of existing services must be completed before work commences.
2. Cable location equipment to be utilised to trace buried services. Regular sweeps of the ground in open excavations by a service detector are to be made at maximum 300mm depth intervals.
3. If live services are encountered, contact office or loss adjuster to seek permission to relocate the position of the borehole.
4. If repositioning is not possible, all services must be isolated and exposed by hand digging prior to any further augering taking place.
5. Use of good manual handling and correct kinetic lifting techniques e.g. Feet apart to give firm, stable base. Adopt a good posture, bend the knees and don't bend the back. Get a firm grip. Don't jerk.
6. Make sure nobody is behind you when extracting the Auger. Inform homeowner of operation involved and need to avoid area.
7. Rubber soled safety boots and rubber gloves must be worn at all times.
8. Assessment of ground conditions within bore hole and surface ground conditions.
9. Individuals who have developed any health problems, e.g. back problems or other muscular disorders, should contact the office immediately so that manual handling activities may be refrained from until a full occupational health assessment can be made by a suitably qualified person.

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Severity	Probability	Risk Rating		
1 No Injury, property damage	1 Very Unlikely	Severity X Probability = 1 to 5	Low	Y – acceptable risk, work can start
2 Minor Injury	2 Unlikely			
3 +3 Day Absence	3 Likely	Severity X Probability = 6 to 14	Med	Y or N – may need further consideration
4 Major Injury	4 Very Likely			
5 Death	5 Virtually Certain	Severity X Probability = 15 to 25	High	N – Unacceptable risk Do not start work