


HAZARD / WORK ACTIVITY ASSESSED	Laying of Pipes
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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
Existing underground services – striking	4	2	8	x	x				All available service plans must be obtained prior to works starting. Consult with homeowner to establish the position of any on-site services the may be encountered. Area to be excavated must be checked with CAT prior to and during excavation. Area within 0.5m of any identified service must be excavated by hand only. Identified services to be isolated where ever possible.	4	1	4
Trench – collapse	4	2	8	x	x			x	The sides of the excavation must be supported where there is risk of collapse. Inspect supported excavations before work commences every day and complete the necessary register. Account must be taken of prevailing conditions including weather, traffic and existing structures.	4	1	4
Abrasive wheels – wheel bursting, noise, dust	4	1	4	x	x	x			Operatives must be trained to change discs. Operator and personnel must wear goggles, ear defenders, safety helmet and protective clothing.	3	1	3
Contaminated material - contact	2	3	6		x				All necessary PPE must be worn including disposable overalls when necessary. All contaminated waste must be removed to a designated contaminated waste site.	2	1	2
Pipes – manual handling of	3	3	9	x	x			x	Remove obstructions from route to be taken. Introduce team handling for difficult loads.	3	1	3
Trench – plant, materials and personnel falling in to	3	3	9	x	x			x	Work areas to be suitably isolated to prevent access.	3	1	3
Digging manually – injury to operative when digging / musculo-skeletal system	3	3	9	x	x			x	Manual handling (RM30) control measures to be implemented, good stance when digging downwards, knees bent and back straight when possible. Correct kinetic lifting technique to be used. Position surface protection in suitable area for placing excavated soil making sure not to overstretch or twist, same applies when using scissor diggers, a good stance and posture over hole to be dug, using gloves for good grip, do not over extend. Only use equipment that has been provided for task.	3	1	3

## SAFETY METHOD STATEMENT

1. Sufficient numbers of trained operatives & competent supervision available before work starts.
2. Sufficient and suitable plant available for trench support and lifting requirements before work begins.
3. Location of existing services to be completed before work starts, also information on ground conditions
4. Cable location devices and local authority drawing to be used 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.
5. COSHH and manual handling will be available for materials and tools used.
6. The movement of pipes from storage to work area. Assess material and number to ascertain mechanical handling requirements.
7. All pipes to be stored a safe distance from the excavation. If pipes must be stored in close proximity to the edge then chocks or another means of support to be implemented.
8. Standard PPE to be made available and worn including but not limited to: safety boots, helmets, goggles, gloves, overalls and barrier creams. When working in confined spaces , gas monitors, breathing apparatus, rescue sets, tripod and winch to be utilised.
9. Suitable signs and barriers will be provided to warn of the work being undertaken.
10. Ensure safe system of work, taking account of the weather, traffic & existing structures.
11. Inspect supported excavations before work commences each day, complete Register.
12. Ensure personnel elected are capable, fit and experienced.
13. COSHH assessments are to be made available for substances likely to be found or produced during work.
14. Maintain clean working area.
15. 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 suitable qualified person.

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