

**Operation/Activity:**    **Excavations**

**Site / Location:**

**Persons at Risk (tick appropriate boxes)**

<b>Employee</b>	<input checked="" type="checkbox"/>	<b>Pregnant Women</b>	
<b>Visitor</b>		<b>Disabled Persons</b>	
<b>General Public</b>		<b>Lone Workers</b>	
<b>Young Persons</b>		<b>Others</b>	

*GUIDE TO RATINGS:*

RISK SEVERITY	RISK LIKELIHOOD	RISK RATING
1    Negligible	1    Unlikely	1 - 6    Low
2    Minor	2    Possible	7 - 15    Medium
3    Significant	3    Quite Possible	15 - 25    High
4    Major	4    Likely	
5    Catastrophic	5    Very Likely	

## Overall Risk Rating = Low

**Describe the hazards associated with the activity/operation.**

		Summary of Assessment Overleaf				
		Risk Rating (Before Controls)	Likelihood (L)	Severity (S)	Risk (L x S)	Risk Rating
<b>H1</b>	Working in close proximity to overhead power lines	High	1	5	<b>5</b>	<b>Low</b>
<b>H2</b>	Working in close proximity to electricity, gas and water mains	High	2	3	<b>6</b>	<b>Low</b>
<b>H3</b>	Collapse of unsupported excavations	High	1	5	<b>5</b>	<b>Low</b>
<b>H4</b>	Operatives falling into unfenced excavations	High	2	3	<b>6</b>	<b>Low</b>
<b>H5</b>	Materials or plant falling into excavations	Medium	2	3	<b>6</b>	<b>Low</b>
<b>H6</b>	Operatives being struck by plant	Medium	1	5	<b>5</b>	<b>Low</b>
<b>H7</b>	Operatives working in close proximity to other operatives and third parties	Medium	2	2	<b>4</b>	<b>Low</b>

<b>Assessed By:</b>	<b>Date:</b>
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Issue: 001  
 Date:  
 Review:

# Risk Assessment



Monitored By:

Date:

Hazard	Risk Control Measures	Residual Risk		
		Likelihood	Severity	Risk
<b>General</b>	<p>Adequate precautions against the accidental collapse of adjacent structures must be in place            Spoil heaps must be removed at regular intervals to reduce trip and environmental hazards and must be positioned at least one metre from the edge of the excavation.</p> <p>Procedures must be in place to prevent falls of persons and materials by using suitable access equipment, working platforms and / or physical barriers.</p> <p>No excavation is to be left unattended (for whatever reason) without being suitably guarded to prevent accidental contact.</p> <p>Ensure that the correct plant &amp; equipment is provided for the task which will be inspected in line with the manufacturer's recommendations.</p> <p>PPE as listed below must be worn at all times.</p> <ul style="list-style-type: none"> <li>• Protective footwear</li> <li>• Hard Hat</li> <li>• Gloves</li> <li>• Hi Vis Vest/Jacket.</li> </ul> <p>Only trained operatives will carry out these operations.</p>			
	<p>Verbal instructions will be given by the supervisor to all operatives involved, and questions asked by the supervisor to ensure instructions have been understood.</p>			

# Risk Assessment

<p><b>H1</b> Electricity</p>	<p>Where overhead power lines are likely to cause danger, the Area Electricity Authority will be consulted and, if required, suitable fencing and barriers erected, at least 6 metres from the power lines to prevent access, so as to comply with requirements.</p> <p>If required to work under or near overhead power lines, a written safe working system must be implemented.</p> <p>All work adjacent to overhead or underground electrical supplies will be supervised by a competent person.</p>	1	5	5
<p><b>H2</b> Services</p>	<p>Plans must be obtained from the cable / pipe owners, service owners, local authorities or private landowners prior to commencing work, however, it should NOT be assumed that such plans are accurate.</p> <p>All operatives involved in excavation work will be instructed in safe digging practice, including hand digging of trial holes to confirm the location of services.</p> <p>All services must be assumed to be LIVE until proved otherwise.</p>	2	3	6
<p><b>H3</b> Collapse</p>	<p>Where necessary, the walls and sides of the excavation will be stabilised by passive (using stepping or terracing) or mechanical (shoring). A combination of both techniques may also be considered.</p> <p>Completed excavations will be back filled as soon as possible.</p> <p>Wheel stops will be deployed to ensure the movement of heavy vehicular plant does not affect the walls of the excavation.</p>	1	5	5
<p><b>H4</b> Falls</p>	<p>Adequate fencing or covering for excavations will be provided to prevent pedestrians entering the excavation.</p>	2	3	6
	<p>Excavations and open manholes will be fenced off at the end of the working day or made safe by other means. E.g. backfilling trenches and fitting temporary manhole covers.</p>			

