

Excavation near underground assets - JSA - A

en-AU · Basic task controls

Site: | Item ID: | Work area:

Approval	Work supervisor	Technical reviewer	Release / handover authority

1. Job details and team signatures

Date / time	Location / area			Assessor		Supervisor	
Team signatures							

2. Conditions and hold points

Stage	Time	Location / area	Environment / readings	Item / condition	Controls	Plant / tools	Approval / signature
HP-0 Start							
HP-1 Prove services							
HP-2 Install protection							
HP-3 Control entry							
HP-4 Backfill and hand over							

Complete after actual checks. Recheck after changes, defects or shift handover.

3. JSA risk assessment

Job stage	Hazards and effects	Failure factors	Technical and procedural controls	Site verification	P	S	R	A
1. Plan the work	1. Utility strike 2. Wall collapse 3. Building movement	1. Incomplete records 2. Unknown ground 3. Unreviewed loads	1. Contact asset owners 2. Assess ground 3. Plan protection	1. Record revision 2. Owner responses 3. Ground and water				
2. Prove services	1. Electric shock 2. Gas release 3. Water release	1. Position differs 2. Unclear detection 3. Unsuitable method	1. Reconcile records 2. Trace asset route 3. Expose appropriately	1. Asset identity 2. Position and depth 3. Method limits				
3. Excavate in stages	1. Wall collapse 2. Edge failure 3. Falling material	1. Edge surcharge 2. Water in ground 3. Loose wall material	1. Excavate in stages 2. Control edge loads 3. Manage loose material	1. Excavation geometry 2. Loads and setbacks 3. Ground changes				
4. Install protection	1. Worker buried 2. Support failure 3. Shield displacement	1. Unprotected entry 2. Incorrect installation 3. Unsuitable system	1. Prevent unsafe entry 2. Advance protection 3. Use suitable system	1. Protection plan 2. Installed condition 3. Protected area				
5. Control entry	1. Fall into trench 2. Worker buried 3. Hazardous air	1. Unsafe access 2. Outside protection 3. Air risk unassessed	1. Provide safe access 2. Stay in protected zone 3. Assess atmosphere	1. Protected access 2. Effective protection 3. Air risk assessment				
6. Backfill and hand over	1. Wall collapse 2. Asset damage 3. Public fall	1. Support removed early 2. Unsupported service 3. Open excavation	1. Follow removal plan 2. Protect services 3. Secure openings	1. Backfill sequence 2. Asset protection 3. Remaining barriers				

P/S/R/A: Complete after actual checks. Recheck after changes, defects or shift handover.

4. Pre-work checklist

☐ Record revision	☐ Asset identity	☐ Excavation geometry
☐ Protection plan	☐ Protected access	☐ Backfill sequence
☐ Ground and water	☐ Protected area	☐ Remaining barriers

This is reference content written and revised with AI. It has not been verified or approved by a professional. Review by a suitably qualified professional and site authorisation are required before use.