

Excavation near underground assets - JSA - C

en-AU · Supervision, records, handover
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. Assign responsibilities 2. Coordinate owners 3. Review protection plan	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. Record asset evidence 2. Define work limits 3. Release the section	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. Coordinate edge loads 2. Review geometry 3. Record changes	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. Review system design 2. Verify installation 3. Decide on access	1. Protection plan 2. Installed condition 3. Protected area				
5. Review changes	1. Soil erosion 2. Wall collapse 3. Flooding	1. Rainfall 2. New edge loading 3. Water ingress	1. Assign reinspection 2. Close defects 3. Record new decision	1. Water conditions 2. Cracks and movement 3. Support condition				
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. Coordinate removal 2. Secure residual risks 3. Record handover	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	☐ Water conditions	☐ Backfill sequence
☐ Ground and water	☐ Protected area	☐ Remaining barriers

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