

Excavation near utilities - JSA - C

en-US · Supervision, records, handover · v1.1 · 2026-10-08

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 Locate services							
HP-2 Expose services							
HP-3 Support and enter							
HP-4 Backfill and close							

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 cut	1. Utility strike 2. Ground collapse 3. Traffic intrusion	1. Plans out of date 2. No soil review 3. Unclear work limits	1. Assign utility liaison 2. Accept support design 3. Brief emergency plan	1. Permit scope 2. Soil and water data 3. Emergency contacts				
2. Locate services	1. Cable arc 2. Gas release 3. Hidden branch line	1. Paint treated as depth 2. Detector used alone 3. No owner response	1. Log owner responses 2. Resolve route discrepancies 3. Retain survey evidence	1. Survey record 2. Owner conditions 3. Marks and limits				
3. Prepare plant	1. Bucket drop 2. Rollover 3. Crushing	1. Coupler not locked 2. Weak working platform 3. Blind reversing	1. Appoint plant spotter 2. Log coupler defects 3. Reject weak working areas	1. Coupler test 2. Platform condition 3. Spotter signals				
4. Expose services	1. Pipe puncture 2. Pit collapse 3. Jet injury	1. Unknown line depth 2. Unsafe pit entry 3. Excess jet pressure	1. Witness service exposure 2. Record depth and branches 3. Release only proved area	1. Actual line position 2. Tool and jet settings 3. Pit protection				
5. Support and enter	1. Wall collapse 2. Falling shield 3. Blocked escape	1. Wrong support model 2. Entry before protection 3. Unsafe lifting points	1. Check support design limits 2. Record access inspection 3. Control entry release	1. Support inspection 2. Access route 3. Entry release				
6. Backfill and close	1. Unsupported service 2. Road plate movement 3. Public falls	1. Supports pulled early 2. Unknown cover strength 3. Open cut left unguarded	1. Agree backfill sequence 2. Record service handback 3. Assign barrier custody	1. Backfill sequence 2. Owner handback 3. End-of-shift security				

P/S/R/A: AI reference draft. No professional verification or approval. Professional review required before use.

4. Pre-work checklist

☐ Permit scope	☐ Survey record	☐ Coupler test
☐ Actual line position	☐ Support inspection	☐ Backfill sequence
☐ Emergency contacts	☐ Pit protection	☐ End-of-shift security