FIELD LEVEL HAZARD ASSESSMENT (FLHA)

Business name

Document: FLHA-001 Rev 1
Assessed: 2026-11-09 17:46
Valid for this shift / task only
Highest risk after controls: Medium

1. BUSINESS AND JOB DETAILS

Job	Backfill and compaction	**Start date**	Nov 9, 2026
Working hours	7:00 am to 3:30 pm	**Trade**	Excavation and earthworks

2. JOB STEPS, HAZARDS AND CONTROLS

#	Job step	Hazards	Risk before	Controls	Risk after	Responsible
1	Check services are inspected before backfilling	Hitting underground services	**Critical Possible / Fatality**	1.1 Keep machine buckets well clear of marked services and use a spotter. [Engineering (guarding)] 1.2 Scan the area with a cable locator before digging and mark services on the ground. [Engineering] 1.3 Hand expose or hydrovac services before machine digging inside the locate tolerance zone. [Engineering] 1.4 Click Before You Dig: lodge a locate request with your provincial one-call service and wait for the locates. [Administrative] 1.5 Follow your province's ground disturbance rules and keep locate sheets on site. [Administrative] 1.6 Keep plans or locate tickets on site and check them again if the work area grows. [Administrative] 1.7 If you hit a service, stop, get everyone clear, and call the owner and emergency services. [Administrative] 1.8 Wear safety boots, gloves and hi-vis when digging. [PPE]	**Medium Rare / Fatality**	Site supervisor
2	Place fill in layers with the machine, keeping a spotter	Being hit by heavy equipment	**Critical Possible / Fatality**	2.1 Separate people and equipment with barriers, exclusion zones and marked walkways. [Engineering (guarding)] 2.2 Use equipment with working backup alarms, cameras and lights. [Engineering] 2.3 Have a site traffic plan showing equipment routes, loading areas and pedestrian paths. [Administrative] 2.4 Use a spotter when backing up or working near people. [Administrative] 2.5 Make eye contact with the operator before going near. Stay out of the swing radius. [Administrative] 2.6 Operators are trained and competent for each machine. [Administrative] 2.7 Do a pre-start check on each machine every day and record it. [Administrative] 2.8 Wear hi-vis clothing and a hard hat. [PPE]	**Medium Rare / Fatality**	Site supervisor
3	Compact each layer, rotating operators to limit vibration	Hand-arm and whole-body vibration	**High Likely / Lost**	3.1 Use low-vibration tools and methods, such as a breaker on an excavator instead of a hand jackhammer. [Substitution]	**Medium Unlikely / Lost**	Site supervisor

#	Job step	Hazards	Risk before	Controls	Risk after	Responsible
		Loud noise	time injury	3.2 Keep tools sharp and well maintained, and use anti-vibration handles and seats. [Engineering] 3.3 Limit trigger time on high-vibration tools and rotate workers. [Administrative] 3.4 Keep hands warm and dry, and take regular breaks. [Administrative] 3.5 Report tingling, numbness or white fingers early. [Administrative] 3.6 Wear gloves to keep hands warm and dry. [PPE] 3.7 Use quieter tools and methods, such as cut-to-size materials, low-noise machines and battery tools. [Substitution] 3.8 Keep noisy equipment away from work areas, and use screens or distance between the noise and people. [Engineering (guarding)] 3.9 Keep tools maintained and use mufflers on compressors and generators. [Engineering] 3.10 Limit time on noisy tools and rotate workers. [Administrative] 3.11 If you have to shout to be heard 1 metre away, wear hearing protection. [Administrative] 3.12 Wear earplugs or earmuffs rated for the noise. [PPE]	time injury	
4	Keep compactors away from trench edges	Trench or excavation collapse Rules: Provincial OHS regulation, excavations and trenches	Critical Possible / Fatality	4.1 Use methods that keep people out of the trench, such as directional boring or working from the surface. [Elimination] 4.2 Barricade or cover the excavation so people and equipment cannot fall in. [Engineering (guarding)] 4.3 Shore, slope or use a trench box in any trench deeper than 1.2 metres (1.5 metres in Alberta and Manitoba). [Engineering] 4.4 Keep spoil, materials and equipment at least 1 metre back from the edge. [Engineering] 4.5 Provide a safe way in and out, such as a ladder near where people work. [Engineering] 4.6 Inspect the excavation at the start of each shift and after rain or anything that could weaken it. Record it. [Administrative] 4.7 Never work alone in a trench. Watch for water, cracks and bulging walls, and get out if you see them. [Administrative] 4.8 Wear a hard hat, hi-vis and safety boots. [PPE]	Medium Rare / Fatality	Site supervisor
5	Clean up and take compaction tests	Poor housekeeping and waste	Medium Likely / Minor injury	5.1 Order materials to size and send packaging back where you can. [Elimination] 5.2 Put waste bins and chutes close to the work. [Engineering] 5.3 Clean as you go, and do a full clean up at the end of each day. [Administrative] 5.4 Keep exits, stairs and walkways clear at all times. [Administrative]	Low Unlikely / Minor injury	Site supervisor

#	Job step	Hazards	Risk before	Controls	Risk after	Responsible
				5.5 Stack materials neatly on level ground, away from edges. [Administrative] 5.6 Wear gloves when handling waste. [PPE]		

Risk key: risk = likelihood x consequence on a 5 x 5 matrix. Low, Medium, High, Critical. Work must not start while the risk after controls is high or above. Controls are listed in order of the hierarchy of controls: Elimination, Substitution, Engineering (guarding), Engineering, Administrative, PPE.

3. PPE AND PERMITS

Required PPE	Permits and plans
CSA green triangle safety boots (CSA Z195) High-visibility vest (CSA Z96) Hearing protection Work gloves Hard hat (CSA Z94.1)	Ground disturbance permit / locate

4. PLANT AND EQUIPMENT

Plant / equipment	Licence or training needed	Inspection needed	Rego / ID	Last inspected	Certificate / report
Plate tamper					
Skid steer	Provincial operator training				
Excavator	Provincial operator training				

5. CREW COMPETENCY, TICKETS AND LICENCES

Crew listed at sign-on below, with ticket and licence numbers.

6. EMERGENCY ARRANGEMENTS

Emergency number	911	**First aid kit**	In the work vehicle
Fire extinguisher	In the work vehicle	**Alarm and evacuation**	Shout for help and stop work. Make the area safe and go to the assembly point. Call the emergency number and send someone to meet the ambulance.
Reporting incidents	Report serious incidents to the provincial regulator as required.		

7. MONITORING, REVIEW AND LEGAL BASIS

The supervisor and crew review this assessment at the start of the shift, whenever the task, crew or conditions change, and before any new work process starts. Re-assess and initial the changes below.

Legal basis: Provincial occupational health and safety law (e.g. Ontario OHSA and O. Reg. 213/91, BC OHS Regulation, Alberta OHS Code). Employers must identify hazards before work starts and control them, and workers must be told about them. A field level hazard assessment is done on site, at the start of each shift or task, and reviewed again when

conditions change.

Keep completed hazard assessments for at least 3 years (COR auditors sample the last 12 months). Review this FLHA and re-sign whenever the task, crew or conditions change.

8. PRE-JOB CHECKS

Check	Yes	No
PPE inspected and in good condition		
Tools and equipment inspected		
Permits reviewed and posted		
Locates valid and on site (if digging)		
Barricades or warning ribbon in place		
Muster point and emergency plan reviewed with the crew		
SDS available for products used		
Working alone check-in set up (if anyone works alone)		

9. RE-ASSESSMENT WHEN CONDITIONS CHANGE

Time	What changed	New hazards	Controls	Initials

10. END OF SHIFT REVIEW

Completed at		**Reviewed by**	
Area cleaned up and safe		**Permits closed**	
Incidents or near misses		**Hazards remaining**	

11. REVISION HISTORY

Rev	Date	By	What changed

Rev	Date	By	What changed
1	Nov 9, 2026		First issue

12. SIGN-OFF

	Name	Signature	Date	
Prepared by				
Supervisor				
Prime contractor review				Accepted for use: Yes / No

By signing below, each worker confirms they took part in this hazard assessment, it was reviewed with them before work started, and they will follow it. Stop and re-assess if anything changes.

Name	Role / company	Tickets / licences	Signature	Date

Name	Role / company	Tickets / licences	Signature	Date