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	Concrete driveway	**Start date**	Nov 9, 2026
Working hours	7:00 am to 3:30 pm	**Trade**	Concreting

2. JOB STEPS, HAZARDS AND CONTROLS

#	Job step	Hazards	Risk before	Controls	Risk after	Responsible
1	Set up traffic and pedestrian control at the street	Road traffic Public entering the work area	**Critical Possible / Fatality**	1.1 Do the work at low-traffic times, or close the road or lane with approval. [Elimination] 1.2 Put solid barriers between the work and traffic where speeds are high, not just cones. [Engineering (guarding)] 1.3 Use a truck-mounted attenuator or buffer vehicle on high speed roads. [Engineering] 1.4 Set up signs and cones to your provincial traffic control manual, with trained traffic control persons. [Administrative] 1.5 Get a road occupancy permit from the municipality or road authority before you start. [Administrative] 1.6 Park work vehicles to shield the work zone, with beacons on. [Administrative] 1.7 Wear high-visibility clothing to CSA Z96. [PPE] 1.8 Fence off the site with secure temporary fencing and lock the gates when you leave. [Engineering (guarding)] 1.9 Give pedestrians a safe, marked path around the work, with ramps for strollers and wheelchairs. [Engineering (guarding)] 1.10 Public entering the work area: see step 6 for the full controls [Administrative]	**Medium Rare / Fatality**	Site supervisor
2	Locate services, then excavate and level the base with the skid steer	Hitting underground services Being hit by heavy equipment	**Critical Possible / Fatality**	2.1 Keep machine buckets well clear of marked services and use a spotter. [Engineering (guarding)] 2.2 Scan the area with a cable locator before digging and mark services on the ground. [Engineering] 2.3 Hand expose or hydrovac services before machine digging inside the locate tolerance zone. [Engineering] 2.4 Click Before You Dig: lodge a locate request with your provincial one-call service and wait for the locates. [Administrative] 2.5 Follow your province's ground disturbance rules and keep locate sheets on site. [Administrative] 2.6 Keep plans or locate tickets on site and check them again if the work area grows. [Administrative] 2.7 If you hit a service, stop, get everyone clear, and call the	**Medium Rare / Fatality**	Site supervisor

#	Job step	Hazards	Risk before	Controls	Risk after	Responsible
				owner and emergency services. [Administrative] 2.8 Wear safety boots, gloves and hi-vis when digging. [PPE] 2.9 Separate people and equipment with barriers, exclusion zones and marked walkways. [Engineering (guarding)] 2.10 Use equipment with working backup alarms, cameras and lights. [Engineering] 2.11 Have a site traffic plan showing equipment routes, loading areas and pedestrian paths. [Administrative] 2.12 Use a spotter when backing up or working near people. [Administrative] 2.13 Make eye contact with the operator before going near. Stay out of the swing radius. [Administrative] 2.14 Operators are trained and competent for each machine. [Administrative] 2.15 Do a pre-start check on each machine every day and record it. [Administrative] 2.16 Wear hi-vis clothing and a hard hat. [PPE]		
3	Compact base, set forms and rebar	Hand-arm and whole-body vibration Loud noise Impalement on rebar Lifting and carrying heavy loads	**High Likely / Lost time injury**	3.1 Use low-vibration tools and methods, such as a breaker on an excavator instead of a hand jackhammer. [Substitution] 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 Use quieter tools and methods, such as cut-to-size materials, low-noise machines and battery tools. [Substitution] 3.6 Keep noisy equipment away from work areas, and use screens or distance between the noise and people. [Engineering (guarding)] 3.7 Keep tools maintained and use mufflers on compressors and generators. [Engineering] 3.8 Limit time on noisy tools and rotate workers. [Administrative] 3.9 Cover or cap all exposed bar ends with approved caps or covers. [Engineering] 3.10 Bend bars over where the design allows. [Engineering] 3.11 Use edge protection near starter bars so nobody can fall onto them. [Engineering] 3.12 Keep walkways clear of exposed bars and mark the hazard. [Administrative] 3.13 Plan to avoid carrying: have materials delivered, and old items picked up, as close as possible to where they are used. [Elimination] 3.14 Use lighter or smaller loads: order smaller bags and shorter lengths, and drain or break down old items before moving them. [Substitution] 3.15 Use trolleys, pallet jacks, hoists, vacuum lifters or	**Medium Unlikely / Lost time injury**	Site supervisor

#	Job step	Hazards	Risk before	Controls	Risk after	Responsible
				equipment instead of carrying by hand. [Engineering] 3.16 Use a two-person lift for anything heavy, long or awkward. Plan the route first and clear it. [Administrative]		
4	Pour and finish the concrete	Wet concrete and cement burns Heat stress Sun exposure (UV)	**High Possible / Serious injury**	4.1 Use long-handled tools and pumps to cut down contact. [Engineering] 4.2 Wash concrete off skin straight away with clean water. [Administrative] 4.3 Have clean water and eye wash at the pour. [Administrative] 4.4 Wear waterproof gloves, long sleeves and rubber boots with pants worn over the top. [PPE] 4.5 Wear safety glasses or goggles to stop splashes. [PPE] 4.6 Schedule heavy work for the cooler part of the day. [Elimination] 4.7 Provide shade over work and rest areas, and fans or cooling in attics. [Engineering] 4.8 Supply cool drinking water close by and drink a cup every 15 to 20 minutes. [Administrative] 4.9 Take regular rest breaks in the shade, more often as it gets hotter. [Administrative] 4.10 Let new and returning workers build up to full work in the heat over about a week. [Administrative] 4.11 Plan outdoor work for early morning or late afternoon when UV is lower. [Elimination] 4.12 Put shade covers over fixed work areas. [Engineering] 4.13 Check the UV index each day. Use sun protection when it is 3 or higher. [Administrative] 4.14 Check your skin regularly and see a doctor about any new or changing spots. [Administrative] 4.15 Wear a broad-brim hat or hard hat brim, long sleeves, sunglasses and SPF 30 or higher sunscreen, reapplied every 2 hours. [PPE]	**Medium Unlikely / Serious injury**	Site supervisor
5	Saw cut control joints with water suppression	Silica dust from concrete, brick, stone and tiles Saw cuts and kickback Loud noise Rules: Provincial OHS regulation, silica exposure limits	**Critical Likely / Fatality**	5.1 Order materials cut to size, or use low-dust methods such as score and snap or a block splitter. [Substitution] 5.2 Cut outdoors or in a separate area, with other people well away and upwind. [Engineering (guarding)] 5.3 Use water on the blade or on-tool dust extraction connected to a HEPA vacuum. [Engineering] 5.4 Clean up with a vacuum or wet methods. Never dry sweep or use compressed air. [Administrative] 5.5 Have a silica exposure control plan where your province requires one. [Administrative] 5.6 Wear a fit-tested N95 (or better) respirator. [PPE] 5.7 Keep blade guards fitted and working, and use the riving knife on table saws. [Engineering] 5.8 Use push sticks and clamps, and support long pieces so they do not pinch the blade. [Engineering] 5.9 Use a sharp, undamaged blade made for the material.	**Medium Unlikely / Serious injury**	Site supervisor

#	Job step	Hazards	Risk before	Controls	Risk after	Responsible
				[Administrative] 5.10 Stand to one side of the blade line, out of the kickback path. [Administrative] 5.11 Let the blade stop fully before reaching in or putting the saw down. [Administrative] 5.12 If you have to shout to be heard 1 metre away, wear hearing protection. [Administrative] 5.13 Wear earplugs or earmuffs rated for the noise. [PPE] 5.14 Loud noise: see step 3 for the full controls [Administrative]		
6	Clean up, wash out away from drains and barricade until cured	Poor housekeeping and waste Public entering the work area	**High** **Possible / Serious injury**	6.1 Order materials to size and send packaging back where you can. [Elimination] 6.2 Put waste bins and chutes close to the work. [Engineering] 6.3 Clean as you go, and do a full clean up at the end of each day. [Administrative] 6.4 Keep exits, stairs and walkways clear at all times. [Administrative] 6.5 Stack materials neatly on level ground, away from edges. [Administrative] 6.6 Wear gloves when handling waste. [PPE] 6.7 Fence off the site with secure temporary fencing and lock the gates when you leave. [Engineering (guarding)] 6.8 Give pedestrians a safe, marked path around the work, with ramps for strollers and wheelchairs. [Engineering (guarding)] 6.9 Use hoarding, covered walkways or catch fans where work is above public areas. [Engineering] 6.10 Put signs at each entry: site name, contact number and "No unauthorised entry". [Administrative] 6.11 Make the site safe at the end of each day: cover holes, lower buckets and booms, remove ladders and lock tools away. [Administrative] 6.12 Use a spotter when moving equipment or materials across public paths. [Administrative]	**Low** **Unlikely / Minor injury**	Site supervisor

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) Chemical-resistant gloves Safety glasses (CSA Z94.3) Hearing protection	None required

Required PPE	Permits and plans
Sun protection (sunscreen, hat, long sleeves) Hard hat (CSA Z94.1) Work gloves Safety goggles Knee pads Respirator fit tested to CSA Z94.4 (P100 for dust, or the type the air test calls for) N95 respirator	

4. PLANT AND EQUIPMENT

Plant / equipment	Licence or training needed	Inspection needed	Rego / ID	Last inspected	Certificate / report
Skid steer	Provincial operator training				
Plate tamper					
Concrete saw (cut-off saw)					
Hand tools					
Concrete pump truck					

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
1	Nov 9, 2026		First issue

Rev	Date	By	What changed

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