# FIELD LEVEL HAZARD ASSESSMENT (FLHA)

Business name

Document: FLHA-001 Rev 1
Assessed: 2026-11-09 18:04
Valid for this shift / task only
Highest risk after controls: Medium

## 1. BUSINESS AND JOB DETAILS

| | | | |
|---|---|---|---|
| **Job** | Paving installation | **Start date** | Nov 9, 2026 |
| **Working hours** | 7:00 am to 3:30 pm | **Trade** | Landscaping |

## 2. JOB STEPS, HAZARDS AND CONTROLS

| # | Job step | Hazards | Risk before | Controls | Risk after | Responsible |
|---|---|---|---|---|---|---|
| 1 | Get utility locates and excavate the base | Hitting underground services<br>Being hit by heavy equipment | **Critical Possible / Fatality** | 1.1 Keep machine buckets well clear of marked services and use a spotter. [Engineering (guarding)]<br>1.2 Scan the area with a cable locator before digging and mark services on the ground. [Engineering]<br>1.3 Hand expose or hydrovac services before machine digging inside the locate tolerance zone. [Engineering]<br>1.4 Click Before You Dig: lodge a locate request with your provincial one-call service and wait for the locates. [Administrative]<br>1.5 Follow your province's ground disturbance rules and keep locate sheets on site. [Administrative]<br>1.6 Keep plans or locate tickets on site and check them again if the work area grows. [Administrative]<br>1.7 If you hit a service, stop, get everyone clear, and call the owner and emergency services. [Administrative]<br>1.8 Wear safety boots, gloves and hi-vis when digging. [PPE]<br>1.9 Separate people and equipment with barriers, exclusion zones and marked walkways. [Engineering (guarding)]<br>1.10 Use equipment with working backup alarms, cameras and lights. [Engineering]<br>1.11 Have a site traffic plan showing equipment routes, loading areas and pedestrian paths. [Administrative]<br>1.12 Use a spotter when backing up or working near people. [Administrative]<br>1.13 Make eye contact with the operator before going near. Stay out of the swing radius. [Administrative]<br>1.14 Operators are trained and competent for each machine. [Administrative]<br>1.15 Do a pre-start check on each machine every day and record it. [Administrative]<br>1.16 Wear hi-vis clothing and a hard hat. [PPE] | **Medium Rare / Fatality** | Site supervisor |
| 2 | Compact road base, rotating operators | Hand-arm and whole-body vibration<br>Loud noise | **High Likely / Lost time injury** | 2.1 Use low-vibration tools and methods, such as a breaker on an excavator instead of a hand jackhammer. [Substitution]<br>2.2 Keep tools sharp and well maintained, and use | **Medium Unlikely / Lost time injury** | Site supervisor |

| # | Job step | Hazards | Risk before | Controls | Risk after | Responsible |
|---|---|---|---|---|---|---|
| | | | | anti-vibration handles and seats. [Engineering]<br>2.3 Limit trigger time on high-vibration tools and rotate workers. [Administrative]<br>2.4 Keep hands warm and dry, and take regular breaks. [Administrative]<br>2.5 Report tingling, numbness or white fingers early. [Administrative]<br>2.6 Wear gloves to keep hands warm and dry. [PPE]<br>2.7 Use quieter tools and methods, such as cut-to-size materials, low-noise machines and battery tools. [Substitution]<br>2.8 Keep noisy equipment away from work areas, and use screens or distance between the noise and people. [Engineering (guarding)]<br>2.9 Keep tools maintained and use mufflers on compressors and generators. [Engineering]<br>2.10 Limit time on noisy tools and rotate workers. [Administrative]<br>2.11 If you have to shout to be heard 1 metre away, wear hearing protection. [Administrative]<br>2.12 Wear earplugs or earmuffs rated for the noise. [PPE] | | |
| 3 | Lay pavers, using a lifter or two people for big ones | Lifting and carrying heavy loads<br>Repetitive work and awkward postures | **High**<br>**Likely / Lost time injury** | 3.1 Plan to avoid carrying: have materials delivered, and old items picked up, as close as possible to where they are used. [Elimination]<br>3.2 Use lighter or smaller loads: order smaller bags and shorter lengths, and drain or break down old items before moving them. [Substitution]<br>3.3 Use trolleys, pallet jacks, hoists, vacuum lifters or equipment instead of carrying by hand. [Engineering]<br>3.4 Use a two-person lift for anything heavy, long or awkward. Plan the route first and clear it. [Administrative]<br>3.5 Keep the load close, back straight and no twisting. Turn with your feet. [Administrative]<br>3.6 Rotate tasks and take breaks on long lifting jobs. [Administrative]<br>3.7 Wear gloves for grip and safety boots to protect your feet. [PPE]<br>3.8 Use tools that cut the effort: powered screwdrivers, long-handled tools and extension poles for overhead work. [Substitution]<br>3.9 Set work up at waist height on benches or trestles where you can. [Engineering]<br>3.10 Use light tools with good grips, and keep blades and bits sharp. [Engineering]<br>3.11 Rotate tasks and take short breaks every hour on repetitive work. [Administrative]<br>3.12 Warm up before heavy physical work and report aches and pains early. [Administrative]<br>3.13 Wear knee pads for kneeling work and gloves for grip. | **Medium**<br>**Unlikely / Lost time injury** | Site supervisor |

| # | Job step | Hazards | Risk before | Controls | Risk after | Responsible |
|---|---|---|---|---|---|---|
| | | | | [PPE] | | |
| 4 | Cut pavers wet, never dry | Silica dust from concrete, brick, stone and tiles<br>Saw cuts and kickback<br>Loud noise<br><br>Rules: Provincial OHS regulation, silica exposure limits | **Critical Likely / Fatality** | 4.1 Order materials cut to size, or use low-dust methods such as score and snap or a block splitter. [Substitution]<br>4.2 Cut outdoors or in a separate area, with other people well away and upwind. [Engineering (guarding)]<br>4.3 Use water on the blade or on-tool dust extraction connected to a HEPA vacuum. [Engineering]<br>4.4 Clean up with a vacuum or wet methods. Never dry sweep or use compressed air. [Administrative]<br>4.5 Have a silica exposure control plan where your province requires one. [Administrative]<br>4.6 Wear a fit-tested N95 (or better) respirator. [PPE]<br>4.7 Keep blade guards fitted and working, and use the riving knife on table saws. [Engineering]<br>4.8 Use push sticks and clamps, and support long pieces so they do not pinch the blade. [Engineering]<br>4.9 Use a sharp, undamaged blade made for the material. [Administrative]<br>4.10 Stand to one side of the blade line, out of the kickback path. [Administrative]<br>4.11 Let the blade stop fully before reaching in or putting the saw down. [Administrative]<br>4.12 Loud noise: see step 2 for the full controls [Administrative] | **Medium Unlikely / Serious injury** | Site supervisor |
| 5 | Sand, compact and clean up | Sun exposure (UV)<br>Heat stress<br>Poor housekeeping and waste | **High Likely / Lost time injury** | 5.1 Plan outdoor work for early morning or late afternoon when UV is lower. [Elimination]<br>5.2 Put shade covers over fixed work areas. [Engineering]<br>5.3 Check the UV index each day. Use sun protection when it is 3 or higher. [Administrative]<br>5.4 Check your skin regularly and see a doctor about any new or changing spots. [Administrative]<br>5.5 Wear a broad-brim hat or hard hat brim, long sleeves, sunglasses and SPF 30 or higher sunscreen, reapplied every 2 hours. [PPE]<br>5.6 Schedule heavy work for the cooler part of the day. [Elimination]<br>5.7 Provide shade over work and rest areas, and fans or cooling in attics. [Engineering]<br>5.8 Supply cool drinking water close by and drink a cup every 15 to 20 minutes. [Administrative]<br>5.9 Take regular rest breaks in the shade, more often as it gets hotter. [Administrative]<br>5.10 Let new and returning workers build up to full work in the heat over about a week. [Administrative]<br>5.11 Order materials to size and send packaging back where you can. [Elimination]<br>5.12 Put waste bins and chutes close to the work. [Engineering] | **Medium Unlikely / Serious injury** | Site supervisor |

| # | Job step | Hazards | Risk before | Controls | Risk after | Responsible |
|---|---|---|---|---|---|---|
| | | | | 5.13 Clean as you go, and do a full clean up at the end of each day. [Administrative]<br>5.14 Keep exits, stairs and walkways clear at all times. [Administrative]<br>5.15 Stack materials neatly on level ground, away from edges. [Administrative] | | |

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)<br>Knee pads<br>Safety glasses (CSA Z94.3)<br>N95 respirator<br>Hearing protection<br>Sun protection (sunscreen, hat, long sleeves)<br>High-visibility vest (CSA Z96)<br>Hard hat (CSA Z94.1)<br>Work gloves<br>Respirator fit tested to CSA Z94.4 (P100 for dust, or the type the air test calls for) | None required |

## 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) | | | | | |
| Wet tile saw | | | | | |
| Hand tools | | | | | |

## 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 |
| | | | |
| | | | |

## 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 |
|---|---|---|---|---|
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| Name | Role / company | Tickets / licences | Signature | Date |
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