

## CREW DETAILS

### IN AN EMERGENCY CALL:

<b>Crew Leader:</b>	<b>Project Phone Number:</b>
<b>Crew:</b>	

## PROJECT OVERVIEW

<b>Purpose of Project:</b>	<b>Date of Project:</b>
<p><b>Benefit of Project:</b> Enhances the aesthetic appeal and value of properties.   Facilitates effective water management and soil preservation.   Improves environmental sustainability through green spaces.   Increases property value and market attractiveness.   Provides functional outdoor spaces for recreation and relaxation.   Supports biodiversity and the health of local ecosystems.</p>	

## HAZARDS

HAZARD	RISK	RISK BENEFIT	MEASURE	RISK TO	RISK LEVEL
Chemical storage and handling	Spills, inhalation, skin contact injuries	Proper chemical use is vital for pest control and plant health.	Store chemicals in labeled, secure containers. Maintain a chemical inventory and safety data sheets. Train workers in emergency spill response. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>
Dust and airborne particles	Respiratory issues, eye irritation	Managing dust enhances the working environment without halting essential activities.	Use dust suppression techniques, such as watering dry areas. Provide masks or respirators for workers. Limit activities that generate dust during windy conditions. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>
Electrical hazards	Electrocution, burns, equipment damage	Electrical tools enhance efficiency and effectiveness in various tasks.	Use battery-operated tools to reduce electrical risks. Inspect electrical equipment regularly. Avoid using electrical tools in wet conditions. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>

HAZARD	RISK	RISK BENEFIT	MEASURE	RISK TO	RISK LEVEL
Exposure to biological hazards	Infections, diseases from animal waste	Interacting with natural environments supports biodiversity and ecosystem services.	Educate workers on risks like leptospirosis from animal urine. Provide PPE such as gloves and masks. Ensure proper hygiene practices, including handwashing. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>
Exposure to extreme weather	Heatstroke, hypothermia, dehydration	Working in diverse weather conditions allows for project continuity and timely completion.	Provide appropriate clothing and PPE for various weather conditions. Schedule work to avoid the most extreme conditions. Ensure access to hydration and shelter. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>
Exposure to hazardous plants	Skin irritations, allergic reactions, poisoning	Working with diverse plant species enhances biodiversity and ecological health.	Identify and label hazardous plants. Provide gloves and protective clothing. Educate workers on plant identification and associated risks. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>
Falling objects	Head injuries, bruises	Accepting the risk supports the construction of multi-level landscaping designs.	Require hard hats in areas where objects may fall. Secure loads on equipment and maintain a clear exclusion zone. Inspect overhead structures for loose materials. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>
Fire hazards	Burns, property damage, wildfires	Accepting fire risks enables controlled clearing and land preparation.	Restrict open flame use during dry conditions. Provide fire extinguishers and train workers on emergency response. Establish designated smoking areas away from flammable materials. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>
Flying debris from equipment	Eye injuries, cuts, bruises	Accepting this risk allows for the use of tools that expedite landscaping processes.	Equip workers with goggles and face shields. Use equipment guards and deflectors where applicable. Maintain a safe distance from operational equipment and restrict access to bystanders. <b>(ALL)</b>	Workers, bystanders	Before Measure: <b>High</b> After Measure: <b>Med</b>

HAZARD	RISK	RISK BENEFIT	MEASURE	RISK TO	RISK LEVEL
Fuel handling and storage	Fires, explosions, environmental damage	Proper fuel management ensures smooth operation of essential machinery.	Store fuel in approved, labeled containers away from ignition sources. Train workers on proper fuel handling techniques. Ensure spill kits are accessible, and inspect storage areas regularly for leaks. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>
Heavy machinery operation	Crush injuries, rollovers, noise exposure	Heavy machinery accelerates landscaping projects with minimal manual labor.	Ensure operators are trained and certified. Conduct pre-use equipment checks and schedule regular maintenance. Keep unauthorized personnel clear of operational areas. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>
Inadequate first aid	Delayed treatment of injuries, worsened outcomes	Adequate first aid ensures rapid response to injuries, minimizing recovery time and enhancing worker confidence.	Ensure a fully stocked and regularly checked first aid kit is available on-site. Train all workers in basic first aid, with at least one person holding a current first aid certification. Clearly display emergency contact numbers and procedures. Regularly review first aid arrangements. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>
Interaction with wildlife	Bites, stings, zoonotic diseases	Protecting wildlife ensures ecological balance and biodiversity.	Conduct pre-work wildlife surveys. Provide training on handling encounters with animals like snakes or wasps. Keep first aid kits ready for bites or stings. Avoid disturbing known habitats unnecessarily. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>
Manual handling and lifting	Strains, sprains, back injuries	Manual handling allows for flexibility in tasks that machinery may not accomplish, promoting adaptability.	Conduct manual handling training focusing on proper lifting techniques. Use mechanical aids like wheelbarrows or trolleys for heavy loads. Encourage team lifting for bulky items. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>

HAZARD	RISK	RISK BENEFIT	MEASURE	RISK TO	RISK LEVEL
Not following standard operating procedures (SOPs)	Inconsistent practices, increased accidents	Adherence to SOPs ensures consistency, safety, and efficiency, leading to higher quality outcomes and reduced risks.	Provide comprehensive training on all SOPs relevant to the tasks. Regularly update SOPs and communicate changes to all workers. Supervise operations to ensure compliance, and conduct periodic reviews to reinforce adherence. Implement corrective actions for non-compliance. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>
Operation of powered equipment	Cuts, crush injuries, hearing damage	Powered equipment increases efficiency and productivity in landscaping tasks.	Ensure operators are trained and competent. Conduct regular maintenance and safety checks on equipment. Provide appropriate PPE, including hearing protection. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>
Prolonged kneeling or bending	Knee strain, back pain, fatigue	Hands-on tasks promote close interaction with plants, ensuring quality results.	Provide knee pads and encourage workers to take frequent breaks. Use ergonomically designed tools and equipment. Train workers on proper posture to minimize strain. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>
Proximity to traffic	Collisions, noise exposure	Landscaping near roads enhances public spaces and infrastructure appeal.	Install barriers and signage to separate the work area from traffic. Provide high-visibility clothing and use traffic management systems like cones or flaggers. Ensure clear site access and egress points. <b>(ALL)</b>	Workers, pedestrians	Before Measure: <b>High</b> After Measure: <b>Med</b>
Sharp objects and edges	Cuts, puncture wounds	Sharp tools are vital for precision in pruning and trimming tasks.	Provide gloves and inspect tools for sharpness and damage. Mark and store sharp objects securely. Encourage safe handling practices and proper tool storage. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>

HAZARD	RISK	RISK BENEFIT	MEASURE	RISK TO	RISK LEVEL
Slips, trips, and falls	Sprains, fractures, concussions	Keeping the area hazard-free promotes safety without compromising work efficiency.	Ensure pathways are clear of debris and well-maintained. Use warning signs for wet or slippery surfaces. Provide anti-slip mats in areas prone to water or mud accumulation. <b>(ALL)</b>	Workers, pedestrians	Before Measure: <b>High</b> After Measure: <b>Med</b>
Soil contamination	Skin infections, ingestion of harmful substances	Engaging with various soils is fundamental to gardening, supporting plant growth and soil health.	Test soil for contaminants before commencing work. Use protective equipment like gloves. Implement hygiene practices such as handwashing after contact. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>
Tree felling and branch cutting	Injuries from falling branches, tool misuse	Removing dead or hazardous branches improves site safety and aesthetics.	Train workers in safe cutting techniques and provide PPE such as helmets and gloves. Use proper tools like chainsaws with safety features. Establish a clear drop zone and keep bystanders at a safe distance. <b>(ALL)</b>	Workers, bystanders	Before Measure: <b>High</b> After Measure: <b>Med</b>
Uneven surfaces	Trips, slips, falls	Accepting this risk allows for natural landscaping aesthetics, which can enhance the visual appeal of the area.	Regularly inspect and maintain pathways to ensure they are clear of obstacles and level. Implement clear signage to warn of uneven areas. Encourage the use of appropriate footwear with good traction to prevent slips and trips. <b>(ALL)</b>	Workers, pedestrians	Before Measure: <b>High</b> After Measure: <b>Med</b>
Use of chainsaws	Lacerations, kickback injuries	Chainsaws enable efficient handling of large-scale tree work.	Ensure workers are trained and certified in chainsaw operation. Inspect and maintain chainsaws regularly. Provide PPE, including helmets, gloves, and cut-resistant clothing. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>
Use of hand tools	Injuries, cuts, bruises	Hand tools are essential for detailed gardening tasks, enabling precision and fostering craftsmanship.	Provide training on the correct use of hand tools. Ensure tools are regularly inspected and maintained. Store tools securely when not in use to prevent unauthorized access. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>

HAZARD	RISK	RISK BENEFIT	MEASURE	RISK TO	RISK LEVEL
Use of ladders and scaffolding	Falls, structural instability	These tools are essential for accessing elevated work areas safely.	Inspect ladders and scaffolding before use. Ensure they are placed on stable ground and used at correct angles. Train workers in safe climbing techniques. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>
Use of pesticides and fertilizers	Chemical burns, respiratory issues, environmental contamination	Controlled use of these substances can enhance plant health and yield.	Provide training on the safe application of chemicals. Use personal protective equipment (PPE) such as gloves and masks. Store chemicals securely and label them appropriately. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>
Vibration exposure	Hand-Arm Vibration Syndrome (HAVS), fatigue	Utilizing vibrating tools can enhance task effectiveness and efficiency.	Use anti-vibration gloves and maintain equipment to reduce vibration levels. Limit exposure time and rotate tasks among workers. Monitor workers' health for signs of HAVS. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>
Working at height	Falls, injuries from dropped objects	Accessing elevated areas is essential for tasks like tree pruning and installing features.	Use appropriate access equipment like ladders or scaffolding. Ensure equipment is stable and inspected regularly. Provide fall protection harnesses where necessary. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>
Working near water bodies	Drowning, slips, hypothermia	Proximity to water features enhances the aesthetic and ecological value of landscapes.	Conduct risk assessments for drowning hazards. Provide life jackets and ensure workers are trained in water safety. Establish barriers or signage to prevent accidental entry. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Med</b>
Inadequate lighting	Reduced visibility, increased accidents	Managing lighting enables work during flexible hours, increasing productivity.	Use portable lighting for dim areas and ensure all workspaces are adequately lit. Schedule work during daylight hours when possible. Provide high-visibility clothing for safety. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Low</b>

HAZARD	RISK	RISK BENEFIT	MEASURE	RISK TO	RISK LEVEL
Inadequate personal protective equipment (PPE)	Increased risk of injuries, exposure to hazards	Proper PPE reduces the risk of injury, fostering a safer work environment while ensuring compliance with health and safety regulations.	Conduct a PPE assessment to identify required equipment for tasks. Provide all workers with appropriate PPE, including gloves, goggles, helmets, and boots. Train workers on correct usage and storage of PPE. Replace damaged or worn-out PPE immediately. <b>(ALL)</b>	Workers	Before Measure: <b>High</b> After Measure: <b>Low</b>
Noise exposure	Hearing loss, stress	Accepting some noise exposure is inherent in operating essential machinery.	Assess noise levels and provide hearing protection where necessary. Implement scheduling to limit exposure duration. Maintain equipment to minimize noise production. <b>(ALL)</b>	Workers	Before Measure: <b>Med</b> After Measure: <b>Low</b>
Unpredicted risks	Illness, injury, death		Continuous risk monitoring conducted by all staff. Any unforeseen hazards must be reported promptly to supervisors or management, with immediate corrective action taken as necessary. <b>(ALL)</b>	All	<b>N/A</b>

## NOTES

### Extra notes & activity evaluation:

Completed by

Reviewed/Approved by

Risk Assessment Date

Review Required Date