



Office of Human Resources
Arborist Technician I - CJ2612
THIS IS A PUBLIC DOCUMENT

General Statement of Duties

Performs standard level work in the field of arboriculture and general forestry work to support Denver's urban forest. This includes tree pruning, planting, transplanting, watering, fertilizing, tree removal, insect/disease identification, pesticide application, and inventory.

Distinguishing Characteristics

This class is part of the Arborist Technician class series. The Arborist Technician I performs standard level trimming, pruning, tree removal, planting, transplanting, watering, fertilizing, and applying pesticides to trees and shrubbery under normal supervision. The Arborist Technician II performs full performance arboriculture and general forestry work under general supervision.

Essential Duties

Prunes dead, diseased, or broken limbs from trees utilizing rope and saddle, chain, hand saw, and other related equipment involved in large tree care (in excess of 70') and small tree maintenance.

Performs duties related to tree maintenance that include, but not limited to removals, pruning, planting, stumping, cabling/bracing, watering/fertilizing, pesticide application and insect and disease identification and control.

Performs plant health care duties as assigned.

Observes and follows safety rules and regulations.

Inspects and identifies tree diseases and insects of the area distinguishing between biotic and abiotic conditions such as beneficial insects and environmental stress which is frequent in the Denver area.

Operates a wide variety of heavy mechanized equipment in pruning and removing trees and shrubbery, including a mobile aerial tower unit, log loader trucks, tandem trucks, crane trucks, water trucks, trash trucks, front end loaders, skid steers, tractors, stump grinders and chippers.

Ensures proper preparation and application of pesticides with high velocity spray and soil injection equipment.

Places and removes barricade, cones, and other traffic control and safety devices in and around work area. May act as a traffic safety flagger position to temporarily control vehicular and pedestrian traffic in and around the work area.

Maintains records and prepares daily activity reports.

By assignment, takes samples from diseased or insect infested trees for laboratory analysis.

By assignment, performs preventative maintenance and basic repair on equipment.

Uses tablet to update tree inventory.

By position, may be required to be on-call to address emergent needs.

By position, participates in snow removal duties.

By position, responds to afterhours calls or emergency calls outside of normal scheduled or business hours.

Performs other related duties as assigned.

Employees may be re-deployed to work in other capacities in their own agencies or in other City agencies to support core functions of the City during a City-wide emergency declared by the Mayor.

Any one position may not include all of the duties listed. However, the allocation of positions will be determined by the amount of time spent in performing the essential duties listed above.

Competencies

Reading – Understands and interprets written material including technical material, rules, regulations, instructions, reports, charts, graphs, or tables and applies what is learned from written material to specific situations.

Reasoning – Identifies rules, principles, or relationships that explain facts, data, or other information, analyzes information, and makes correct inferences or draws accurate conclusions.

Technical Competence - Uses knowledge that is acquired through formal training or extensive on-the-job experience to perform one's job; works with, understands, and evaluates technical information related to the job; advises others on technical issues.

Written Communication – Composes, reviews, edits, and issues written materials for diverse audiences and communicates purpose in a succinct and organized manner that is appropriate for context, time, and place.

Knowledge & Skills

Knowledge of tree identification.

Knowledge of pruning and removal methods, climbing techniques, to be able to prune and removes trees and shrubs.

Knowledge of insect and tree disease to be able to recognize and identify insect and disease in trees.

Knowledge of pesticides to be able mix and apply properly and safely.

Knowledge of safety hazards and necessary precautions to establish a safe work environment for self and others.

Knowledge of proper maintenance techniques for equipment to implement and perform preventative maintenance on equipment.

Knowledge of tree defects and ability to perform risk assessment on trees.

Skill in tree climbing up to and beyond 70 feet and operating various sized chainsaws for extended periods in time.

Skill in operating equipment such as mobile aerial tower, brush chipper, stump grinder, winch truck, hydraulic grappler loader, tandem dump truck and snow plow.

Knowledge of computer and software operations.

Level of Supervision Exercised

None.

Education Requirement

Graduation from high school or the possession of a GED, HiSET or TASC Certificate.

Experience Requirement

Six (6) months of experience in tree identification, diagnosis and management of abiotic and biotic plant stresses and tree pruning and removing techniques.

Education & Experience Equivalency

A combination of appropriate education and experience may be substituted for the minimum education and experience requirements.

Licensure & Certification

This job requires driving. Requires a valid Driver's License at the time of application.

Requires the following licenses or certifications by the end of the probation period:

Valid Commercial Driver's License (CDL) "B" with appropriate endorsements.

Requires Emergency Hazards Awareness Program (EHAP) certification.

Requires current First Aid/CPR certification.

International Society of Arboriculture (ISA) Certified Tree Worker Climber Specialist or Aerial Lift Specialist certification within 18 months of hire.

Licenses and certifications must be kept current as a condition of employment.

Working Environment

Atmospheric Conditions: conditions that affect the skin, eyes or respiratory system.

Potential exposure to cold temperature, cold enough to cause bodily discomfort

Potential exposure to cold weather conditions (indoor/outdoor)

Potential exposure to conditions that affect the skin or respiratory system.

Potential exposure to dust

Potential exposure to extreme temperature changes

Potential exposure to hazardous conditions where there is a danger to life, body, and/or health

Potential exposure to hazardous/toxic chemicals

Potential exposure to hazards from electro/mechanical/power equipment.

Potential exposure to hazards of steam and heat

Potential exposure to odorous chemicals

Potential exposure to toxic chemicals.

Potential exposure to unpleasant elements (accidents, injuries, and illness).

Extreme cold conditions

Handles emergency or crisis situations

Noise sufficient to cause distraction or possible hearing loss

Personal Safety: aware of surroundings, people, and events

Pressure due to multiple calls and inquiries

Subject to burns and cuts

Subject to electrical and radiant energy hazards

Subject to hazards of flammable or explosive gases

Subject to injury from moving parts of equipment or vehicles

Subject to vibrations and strain on the body to cause bodily harm if endured daily
Temperature Changes: variations in temperature from hot too cold.
Subject to precarious or high locations.
Works in proximity to cavity dwelling mammals and stinging insects.

Level of Physical Demand

4-Heavy (50-100 lbs.)

Physical Demands

(Physical Demands are a general guide and specific positions will vary based on working conditions, locations, and agency/department needs).

Agility: Ability to move quickly and easily.
Balancing: Maintaining equilibrium.
Carrying: Transporting or moving an object.
Climbing: Ascending or descending an object or ladder.
Color vision: Ability to distinguish and identify different colors.
Crawling: Moving about in a low or crouched position.
Crouching: Positioning body downward and forward.
Depth Perception: Ability to judge distances and space relationships.
Eye/Hand/Foot Coordination: Performing work through using two or more body parts or other devices.
Feeling: Perceiving attributes of objects by means of skin receptors, communication, or otherwise.
Field of Vision: Ability to sharply detect or perceive objects peripherally.
Fine Dexterity: Sufficient coordination to operate a vehicle and manipulate objects.
Fingering: Picking and pinching, through use of fingers or otherwise.
Handling: Seizing, holding, grasping, through use of hands, fingers, or other means.
Hazards: Conditions where there is danger to life, body and/or health.
Hearing: Perceiving and comprehending the nature and direction of sounds.
Hearing/Talking: Perceiving and comprehending the nature and direction of sounds/ability to communicate ideas.
Hiking: Moving about on uneven surfaces, and at high altitude.
Jogging: Ability to transport oneself over a two-mile distance at an efficient speed.
Kneeling: Assuming a lowered position.
Lifting: Moving objects weighing no more than 50 pounds from one level to another.
Neck Flexion: Perceiving objects located above or below.
Oral Comprehension: Ability to discern the meaning of oral speech.
Physical Strength: Exerts force to transport objects of 50 pounds or more.
Pulling: Exerting force upon an object so that it is moving to the person.
Pushing: Exerting force upon an object so that it moves away from the person.
Reaching: Extending the hands and arms or other device in any direction.
Repetitive motions: Making frequent or continuous movements.
Running: Quickly traverse a distance of over 50 yards.
Running: Quickly traverse a distance of under 50 yards.
Running: Ability to quickly pursue an animal for 60 seconds.
Sitting: Remaining in a stationary position.
Stamina: Ability to work over long periods of time without tiring.
Standing: Remaining in a stationary position.
Stooping: Positioning oneself low to the ground.
Talking: Communicating ideas or exchanging information.
Vision: Ability to perceive animal behavior, comprehend signs, and detect color.
Vision Far Acuity: Ability to perceive or detect objects clearly at 20 feet or more.
Vision Near Acuity: Ability to perceive or detect objects at 20 inches or less.
Walking: Ability to move or traverse from one location to another.

Written Comprehension: Ability to discern the meaning of written words.

Background Check Requirement

Criminal Check
Employment Verification
Motor Vehicle Record

Assessment Requirement

Performance Test

Probation Period

Six (6) months.

Class Detail

Pay Grade: NE-10

FLSA Code: N

Established Date: 7/4/2021

Established By: BM

Revised Date: 9/28/21

Revised By: LS

Class History: Revised the ISA certification requirement from 6 months to 18 months and modified experience requirement from 1 year to 6 months.