



Office of Human Resources  
Arborist Technician I - CJ2612  
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### 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

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.

### 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.

By position, may perform snow removal.

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

Performs other related duties as assigned or requested.

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 machines and tools, including their designs, installation, uses, repair, and maintenance.

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 grapppler loader, tandem dump truck and snow plow.

Skill in lifting and placing heavy objects in the appropriate manner to ensure personal safety.

### Level of Supervision Exercised

None

### Education Requirement

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

**Experience Requirement**

One (1) year of experience in tree identification, diagnosis and management of abiotic and biotic plant stresses and advanced tree pruning and removing techniques.

**Education & Experience Equivalency**

Additional appropriate experience may be substituted for the minimum education.

**Licensure & Certification**

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

Requires a valid Commercial Driver's License (CDL) "B" with appropriate endorsements by a good record by the end of probation.

Employee must have or obtain prior to completion of probation period the International Society of Arboriculture (ISA) Certified Tree Worker Climber Specialist or Aerial Lift Specialist certification.

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

**Working Environment**

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

Potential exposure to temperature changes: variations in temperature from hot to cold.

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

Potential exposure to hazardous/toxic chemicals.

Noise: sufficient noise to cause distraction or possible hearing loss.

Personal safety: aware of surroundings, people and events

Subject to burns and cuts.

Subject to injury from moving parts of equipment.

Subject to precarious or high locations.

Subject to varying and unpredictable situations.

Subject to: vibrations and strain on the body to cause bodily harm if endured daily.

Wet: frequent contact with water or other liquid.

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.

Crouching: Positioning body downward and forward.

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.

Fingering: Picking and pinching, through use of fingers or otherwise.

Handling: Seizing, holding, grasping, through use of hands, fingers, or other means.

Lifting: Moving objects weighing no more than 100 pounds from one level to another.

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.

Standing: Remaining in a stationary position.

Stooping: Positioning oneself low to the ground.

Walking: Ability to move or traverse from one location to another.

### Background Check Requirement

Criminal Check

Employment Verification

Motor Vehicle Record

### Assessment Requirement

Performance Test

### Probation Period

Six (6) months.

### Class Detail

**Pay Grade:** J-614

**FLSA Code:** N

**Established Date:** 9/21/2018

**Established By:** LS

**Revised Date:**

**Revised By:**

**Class History:**