



HUNTINGTON BEACH CITY SCHOOL DISTRICT

Grounds Irrigation Technician

Established date: 7/1/2015

Revision date: 11/17/2015

GENERAL PURPOSE

Under general supervision, performs a variety of skilled tasks involved in the installation, maintenance and repair of manual, automatic and computerized irrigation systems; performs a variety of skilled and semi-skilled grounds maintenance duties; and performs related duties as assigned.

DISTINGUISHING CHARACTERISTICS

A Grounds Irrigation Technician performs a wide variety of journey-level duties in the installation, maintenance and repair of the District's irrigation systems and maintenance of District grounds, landscaped areas and athletic fields. Assigned work requires general knowledge of the functions applicable to irrigation systems and the ability to solve routine to moderately difficult problems.

This position is directly responsible to the Assistant Superintendent of Administrative Services or their designee.

ESSENTIAL DUTIES AND RESPONSIBILITIES

The duties listed below are intended only as illustrations of the various types of work that may be performed. The omission of specific statements of duties does not exclude them from the position if the work is similar, related or a logical assignment to this class.

1. Installs, modifies, maintains, upgrades and repairs manual, semi-automatic and automatic irrigation systems, including pipes, valves, automatic control devices and sprinkler heads.
2. Locates main lines, sprinkler lines, valves and electrical wires; performs preventive maintenance on irrigation systems; plans and lays out new irrigation system installations, working from general instructions, rough sketches or work orders.
3. Inputs, cleans and adjusts sprinkler controls for correct time and duration of operation; repairs or replaces clock motors and micro-switches in automatic timing devices.
4. Maintains and replaces valves; unplugs and reroutes water and control lines; clears and adjusts sprinkler head heights for proper water distribution of turf and shrub areas.
5. Digs ditches and trenches prior to installation, maintenance and repair work; replaces soil and turf according to established procedures.
6. Performs all groundskeeping duties as needed including mowing, trimming, edging and maintaining flower beds, hedges, trees and lawns; weeds, mulches, fertilizes, irrigates and sprays lawns, trees, shrubs and flowers; prunes trees, plants and shrubs and lines athletic fields.
7. Requisitions, stocks and maintains inventory of equipment and repair parts.
8. Makes oral and written reports for work performed; completes and submits work orders and time sheets on a timely basis; attends meetings; participates in safety training.

MINIMUM QUALIFICATIONS

Knowledge of:

1. Methods and materials used in the installation, maintenance and repair of automatic sprinkler systems including various timing devices, controllers, valves and heads.
2. Design and layout of general irrigation systems for large landscaped areas.

3. Proper methods of pipefitting as related to sprinkler installation.
4. Equipment and tools required in sprinkler repair and installation.
5. Water conservation techniques applicable to the operation of large turf irrigation systems.
6. Sizes and specifications of pipes and fittings for proper volume and pressure.
7. Grounds maintenance procedures including mowing, edging, raking and weeding.
8. Cultivating, fertilizing, watering and spraying lawns, fields, flowers, trees and shrubs.
9. Herbicides, pesticides and other chemicals used in grounds maintenance.
10. Operation and maintenance of hand tools, power tools and power-driven equipment used in irrigation and grounds maintenance.
11. Shop mathematics applicable to area of assignment.
12. Correct English usage, including spelling, grammar and punctuation.
13. Recordkeeping, filing and basic purchasing procedures and expense reporting.
14. Uses and operations of computers, standard business software and specialized database and spreadsheet applications.

Ability to:

1. Plan, layout, install and repair manual and automatic irrigation systems.
2. Operate tools and equipment used in the repair and maintenance of irrigation systems including pipe threaders, cutters and trenching equipment.
3. Read and interpret blueprints of landscape irrigation systems.
4. Perform semi-skilled grounds maintenance duties.
5. Estimate time, materials and equipment required to perform assigned duties.
6. Prepare and maintain basic records accurately.
7. Operate a computer, standard business software and a variety of computer software programs and databases related to area of assignment.
8. Communicate effectively, both orally and in writing.
9. Understand and follow written and oral instructions.
10. Establish and maintain effective working relationships with administrators, staff, students, parents, the public and all those encountered in the course of work.

Education, Training and Experience:

A typical way of obtaining the knowledges, skills and abilities outlined above is:

Graduation from high school or GED equivalent and at least three years of experience in the installation, maintenance and repair of landscape irrigation systems, including their electronic controls; or an equivalent combination of training and experience. Experience in a school district is preferred.

Licenses; Certificates; Special Requirements:

A valid California Class C driver's license and the ability to maintain insurability under the District's vehicle insurance program.

Successful completion of a comprehensive background investigation including a review of employment history, criminal conviction record and fingerprinting is required.

PHYSICAL AND MENTAL DEMANDS

The physical and mental demands described here are representative of those that must be met by employees to successfully perform the essential functions of this class. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Physical Demands

While performing the duties of this job, the employee is regularly required to sit, walk and stand; talk and hear; use hands to finger, handle, feel or operate objects, tools or controls; reach with hands and arms; and

perform repetitive movements of hands or wrists. The employee is frequently required to climb or balance and stoop, kneel, crouch or crawl. The employee is frequently required to lift up to 60 pounds unaided or 100 pounds with assistance. Specific vision abilities required for this job include close vision, distance vision, color vision, peripheral vision, depth perception and the ability to adjust focus.

Mental Demands

While performing the duties of this class, the incumbent is regularly required to use written and oral communication skills; read and interpret data, drawings and specifications; analyze and solve problems; use shop math and mathematical reasoning; work under deadlines with interruptions; and interact with others encountered in the course of work including District managers, employees, contractors, vendors and dissatisfied/abusive individuals.

WORK ENVIRONMENT

The employee works in an office and field environment where the noise level is usually moderate. The employee regularly works in outdoor weather conditions; extreme heat or cold; wet, humid conditions; on uneven or slippery surfaces; near moving mechanical parts and moving equipment. The employee is occasionally exposed to fumes or airborne particles; toxic or caustic chemicals; and biological hazards. The employee is frequently exposed to loud or prolonged noise from equipment.

FLSA Designation:	Non-Exempt
EEO Category:	Skilled Craft Worker
Bargaining Unit:	CSEA
Probationary Period:	9 months new, 6 months existing