Job Title:	**Irrigation Technician II**	Classification:	**Non-Exempt**
Department:	Parks and Recreation	Division:	Parks
Supervisor:	Parks Supervisor	Effective:	05/16/2016

I. JOB SUMMARY

Maintain beautification areas, sprinkler system, and drip irrigation for Mission City Parks, engage in parks maintenance and other work assignments. Individual will be performing other duties assigned by the supervisor/department head when needed.

II. EDUCATION REQUIREMENTS

- High school diploma or G.E.D. required.
- Applicant must have a minimum of four (4) years' experience working with irrigation systems.
- Applicant must have experience and knowledge of basic electricity and hydraulics related to an irrigation systems including automatic valves and controllers.
- Applicant must have experience and knowledge of various types of pumping systems.
- Applicant must have knowledge of backflow, pressure back and back siphonage principals
- Applicant must have basic knowledge of agronomy turf grass science.
- Certified as a Licensed Irrigator or may obtain a Texas Irrigator's license within a year of date of hire.
- Applicant must have at least three (3) years' of landscaping experience and knowledge of tools, methods and materials used in grounds to landscape and to maintain parks.
- Applicant must have basic knowledge of installation and repair of drinking fountains, faucets, showers and toilets.

III. EMPLOYMENT REQUIREMENTS

- Applicant will be subject to a complete background investigation. Incomplete, inaccurate and/or failure to report information will cause the applicant rejection from consideration.
- Applicant must take and pass a drug, physical, and pre-placement screenings administered by the City of Mission doctor at the City's expense.
- Applicant must have a neat and professional appearance.
- Applicant must have a current valid class "C" driver's license from the department of Public Safety with no more than two (2) moving traffic violations within the past two (2) years.

IV. SKILL AND ABILITY REQUIREMENTS

- Ability to follow a firm work schedule as directed by supervisor.
- Ability to read technical manuals and schematics.
- Ability to strategically design a sprinkler system layout.
- Ability to operate light motorized equipment.

- Ability to follow instructions orally or in written form and perform tasks with little or no supervision.
- Ability to deal with the public and various types of citizen inquiries tactfully, courteously, and in a business matter.
- Ability to recognize, analyze and solve problems pertaining to the maintenance and operation of Parks irrigation systems.
- Ability to design and interpret blue prints.
- Ability to give estimates for new projects and order materials.
- Ability to use automatic pump stations, electric valves, sprinkler heads and their components.
- Ability to install and repair PVC fittings and control cable pipes within Mission Parks.
- Ability to perform a wide variety of different types of tasks without the variety itself causing a loss of efficiency.
- Ability to make decisions based on available data/criteria, laws and regulations or city policy.
- Ability to handle special projects of diverse nature as assigned.
- Ability to read and interpret documents such as safety rules and city policy procedures.
- Ensures completion of work orders.

V. ESSENTIAL JOB FUNCTIONS

- Programs water pump station manually for irrigation of Mission Parks.
- Performs monthly, quarterly and annual preventative maintenance of all element units of irrigation systems and able to troubleshoot.
- Disassembles and assembles some units to perform preventative maintenance and repairs.
- Maintains and repairs pumps, sub-controllers, irrigation lines and control cables.
- Digs ditches to affect repairs on irrigation lines and control cables.
- Performs low voltage electrical diagnosis.
- Installs and repairs faucets, drinking fountains, showers and toilets.
- Reports potentially unsafe conditons.
- May engage in other park maintenance duties as assigned by his supervisor which may include lawn maintenance duties such as mowing, weed eating, tree and shrub trimming and other related duties.
- Applicant will be on call when needed and may work on evenings or weekends as needed.

VI. NON-ESSENTIAL JOB FUNCTIONS

- None

VII. EQUIPMENT/MATERIALS

General safety equipment/materials may include but not limited to the following:

- City vehicle, Hard hat, Tool pouch
- Volt and OMH meter, 12" long hose pliers, Shovel
- Cell phone, Sprinklers, Sprinkler heads
- Electrical equipment, Electric valves, Drill
- Water pumps, PVC fittings, Pens, pencils
- Uniform, Toe Steel Boots, Manuals
- Riding mower, Blower, Weed eater
- Pole saw, Chain saw, Irrigation timers
- Sprayer, Trencher, Auger
- Policy & procedure handbook, Backhoe Tractor

VIII. WORK ENVIRONMENT

Exposure to the following environmental conditions are required for this job. The individual works mainly out doors maintaining parks. Working hours are 7:00AM to 4:00PM, Monday thru Friday, but on many occasions individual will continue working after 4:00PM and on weekends for special projects/events assigned by supervisor.

		Amount of Time		
		Under	1/3 to	Over
	None	1/3	2/3	2/3
Wet humid conditions (non-weather)		X		
Work near moving mechanical parts			X	
Work in high, precarious places	X			
Fumes or airborne particles		X		
Toxic or caustic chemicals		X		
Outdoor weather conditions				X
Extreme cold (non-weather)		X		
Extreme heat (non-weather)			X	
Risk of electrical shock			X	
Work with explosives	X			
Risk of radiation	X			
Extreme Noise		X		
Vibration	X			

IX. MANUAL DEXTERITY

Both fine and gross hand manipulation are required to perform essential job functions. Irrigation technician must be able to exert heavy to moderate force to grip tools and to unload tools from truck. Fine finger dexterity may be utilized to write information on paper documenting service and repair jobs.

X. PHYSICAL DEMAND ANALYSIS

MATERIAL HANDLING ACTIVITIES

	26-50 lbs	**O**	
	51-75 lbs	**O**	
	76-100 lbs	**N**	
	Over 100 lbs	**N**	
CARRYING	Up to 5 lbs	**C**	Up to 100 feet, tool pouch for maintenance or repairs.
	6-10 lbs	**C**	Up to 100 feet testing electrical circuit.
	11-20 lbs	**O**	Up to 25 feet, roll of wire for installation.
	21-25 lbs	**O**	Up to 25 feet, roll of wire for installation.
	26-50 lbs	**O**	
	51-75 lbs	**O**	
	76-100 lbs	**N**	
	Over 100 lbs	**N**	
PUSH/PULLING	Up to 5 lbs	**C**	
	6-10 lbs	**C**	
	11-20 lbs	**C**	
	21-25 lbs	**O**	
	26-50 lbs	**O**	
	51-75 lbs	**O**	
	76-100 lbs	**N**	
	Over 100 lbs	**N**	

N-Never O-Occasional 1-33% F-Frequently 34-66% C-Constant 67-100%

NON-MATERIAL HANDLING ACTIVITIES

Task	Frequency	Performance
CLIMBING	**O**	10 feet to check pump station roof for proper connection
BALANCING	**O**	
STOOPING (bending at waist)	**F**	Check sprinklers for proper funtion. Dig and inspect valves.
KNEELING (one or both knees)	**F**	Check sprinklers for proper function dig and inspect valves.
CROUCHING (bending at hips/knees)	**F**	Check sprinklers for proper function dig and inspect valves.
CRAWLING	**O**	Inspect wiring in trenches.
REACHING	**C**	Retrieve tools or parts with partial to full arm extension.
TWISTING/TURNING (rotation)	**C**	Up to 180 degree at waist, shoulder and neck level to perform inspections and repairs.
HANDLING (manipulated objects)	**C**	Utilize tools during repair and maintenance.
FINGERING (finger dexterity)	**F**	Splice wires and install sprinklers.
STANDING	**F**	During inspection and repair of irrigation units.
WALKING	**C**	Up to two miles per day during inspection.
GRASPING (whole hand activities)	**F**	Hold tools exerting moderate to heavy force. During repair and maintenance of irrigation units.

N-never O-Occasional 1-33% F-Frequently 34-66% O-Occasionally 67-100%

I, _____ understand the physical demands, work environment factors and mental functions of this job. I can fulfill the essential demands of this position as described in this job description.

_____ _____

Signature Date