

## PLAYGROUND FACILITIES DESIGNER

### DEFINITION

Designs and prepares final drawings of playground areas for District schools based upon existing or proposed drafting plans.

### TYPICAL DUTIES

- Designs/redesigns and prepares final drawings and reference data for proposed additions/changes to the layout of existing play areas in accordance with established standards.
- Details plans with title block, legend, graphic scale, and directional annotations used in the interpretation of the drawings.
- Conducts field investigations, takes measurements, makes sketches, and collects data for verification of existing conditions and for use in the preparation of proposed and final plans.
- Utilizes the Playground Equipment Standards Index; District safety standards; State physical education testing requirements; existing plot, greening, grading and paving plans; and other sources of data in the design and layout of playground area plans.
- Utilizes knowledge of basic architectural, structural, and civil engineering concepts and symbols and fundamental geometric and trigonometric concepts such as radius, dimension, and distance needed to calculate the available space in an area designated for games, as affected by proposed plans.
- Prepares scale and large scale plan drawings and modifies drawing sizes as needed.
- Researches, obtains and applies data from existing master plans and plans from other departments to current projects.
- Consults with various administrative, technical and engineering personnel to gather and disseminate information pertaining to proposed plans.
- Coordinates project planning between departments to ensure standardization.
- Collects approval signatures from principals and department personnel as required.
- Updates and maintains existing playground master plans by indexing and filing technical project information.
- May access the CAD (Computer aided Design) System to assist in design.
- Performs related duties as assigned.

### DISTINGUISHING CHARACTERISTICS AMONG RELATED CLASSES

A Playground Facilities Designer designs, prepares, and is responsible for the working and final drawings of District school play areas, as based upon existing or proposed plans, by using basic geometric and trigonometric concepts to calculate space and distance and by applying a general knowledge of architectural, structural, and civil engineering concepts to determine location.

An Engineering Aide performs routine tracing, drafting, and lettering; makes algebraic, geometric, and trigonometric computation; and assists technical personnel by performing routine, non-technical duties related to engineering work.

A Civil Engineering Drafting Technician performs skilled civil engineering drafting from approved preliminary sketches and field surveyors' notes, under the immediate supervision of higher level civil engineering personnel, but is not responsible for civil engineering design.

## SUPERVISION

General Supervision is received from the designated crafts supervisor or other personnel. Technical guidance is provided to area maintenance and operations personnel responsible for completion of projects based on proposed plans. No supervision is exercised.

## CLASS QUALIFICATIONS

### Knowledge of:

- Drafting nomenclature, terminology and symbols
- Sources of drafting information
- Mathematics applicable to the solution of drafting problems
- Safety regulations and codes applicable to playground equipment

### Ability to:

- Work independently without immediate supervision
- Read and interpret engineering plans and drawings
- Make accurate field observations and measurements
- Use a drafting table, templates, rulers, triangles, electric erasers, mechanical pencils, and measurement instruments
- Prepare detailed drawing of various scales
- Write clear and concise technical descriptions
- Provide technical review of requests and advise tactfully and effectively
- Work effectively with other District personnel, commissioned engineers, contractors and representatives of various public organizations

## ENTRANCE QUALIFICATIONS

### Education:

An Associate of Arts degree from a recognized college or university, or its equivalent, with a major or emphasis in civil engineering or architectural drafting/design. Completion of at least one course in a recognized major computer-aided design (CAD) software system is required.

### Experience:

Two years of experience in civil engineering or architectural drafting/design that included the design and layout of playgrounds and playground equipment.

or

Four years of experience in civil engineering or architectural drafting/design that included the design and layout of playgrounds and playground equipment may be substituted for the required degree.

Special:

A Valid California Driver License.  
Use of an automobile.

This class description is not a complete statement of essential functions, responsibilities or requirements. Requirements are representative of the minimum level of knowledge, skill, and/or abilities. Management retains the discretion to add or change typical duties of a position at any time.

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11-14-12  
LKD