

Chapter 3.55

DESIGN STANDARDS FOR RECREATIONAL FACILITIES

The Parks and Recreation Department is assigned responsibility for administration of these design standards.

Section 1. TENNIS COURTS

Standard overall size for a one unit tennis court shall be 60 feet (60') x 120 feet (120'). Playing lines shall be placed for both single and double play, as recommended by the U.S. Tennis Association. For a multi-court system, twelve feet (12') clearance between playing lines of courts and twenty feet (20') at back sides between the edge of out surface or fence, shall be maintained. Overall tennis court area shall be fenced, either by complete enclosure with walk-in gates (maintenance gates also needed) or partial enclosure covering two-thirds (2/3) of lateral dimension and back sides, leaving mid-section's one third (1/3) open, both sides of the court. Fence fabric shall be rust proof, minimum 10 feet (10') high, nine (9) gauge chain link fencing. Top and mid-rail shall be used and posts shall not exceed 10 foot (10') spacing center to center. The tennis courts may be constructed using concrete or asphalt. Concrete courts shall be at least five inches (5") thick with eight (8) gauge woven wire mesh reinforcing, expansion and contraction joints shall be of compatible non-tracking joint filler and placed where they will least disrupt playing area. The concrete is to be placed on a well compacted sub-grade and minimum four inches (4") of sand/gravel cushion. Asphaltic courts shall be at least five inches (5") thick, place on a well compacted and stabilized sub-grade with minimum eight inches (8") of sand/gravel cushion. The overall dimensions of both types of courts shall overlap fence lines by at least six (6) on all sides as preventative maintenance.

Section 2. SWIMMING POOLS

Swimming pools shall be designed by a competent licensed engineer or architect. Design shall follow sanitary and safety requirements for construction, equipment, operation of pools and preparation of bather facilities as covered in the Nebraska Swimming Pool Act by the State of Nebraska Department of Health, including all applicable codes, rule and regulations of Lancaster County and City of Lincoln.

Section 3. GOLF COURSES

Golf course design and construction shall be accomplished by a licensed golf course architect. The design shall follow recommendations of U.S. Golf Association, and/or other reliable golf associations of national standings.

Section 4. PLAYGROUND DESIGN STANDARDS

4.1 Equipment Type

- A. All heavy duty play equipment shall be manufactured by manufacturers of heavy duty playground equipment as named in Appendix A.
- B. Custom design and built play equipment not manufactured by a heavy duty playground company shall meet the recommendations of the "National Recreation and Parks Association" which are given in the following areas shall be considered in the design of and construction of playground equipment:
 - 1. Materials of manufacturer and construction.
 - 2. Sharp edges, points, protrusions and crush points.
 - 3. Moving impact.
 - 4. Entrapment
 - 5. Falls from equipment

4.2 Safety

- A. All play equipment shall have at least a 6 foot (6') safety distance with no obstructions around its perimeter unless otherwise stated.
 - 1. Swing shall have a 12 foot (12') safety distance measured from the center rail (where the swings are hung from) to the front of the swing and 12 feet (12') from the center rail to the rear of the swing. This shall be a total of 24 feet (24')
 - 2. Slides shall have a safety distance of six feet (6') to eight feet (8') measured from the point of exit.
 - 3. 10 foot (10') Whirl or larger shall have an 8 foot (8') safety area around its perimeter.
- B. Safety Ground cover shall be either 6 inches (6") or 8 inches (8") of sand, sand/gravel or approved rubber mat (at least 1 1/8" thick). The safety ground cover shall be required in all safety areas in and around equipment.
- C. Equipment that is area directional, such as slides, shall be oriented to minimize the hazards of direct hot sun rays. Tennis and other court game surfaces shall be constructed in a north-south direction.
- D. All equipment shall be installed as per manufacturer's specifications. Both custom equipment and standard manufactured equipment shall meet the safety requirements as outlined in No. 1, A-Equipment Types and No. 1, B-Custom Equipment.

- E. Maintenance shall be required and made as the need arises. The following table shall serve as a safety check list:

4.3 Suggested Playground Equipment Maintenance Safety Checklist

ITEM	LOOK FOR
Structure	Sharp edges, bending, exposing moving parts, warping, cracking, loosening, breaking, etc.
Surface Finish	No protective coating, rust, other corrosion, cracks, splinters, checking, harmful, preservatives or points, etc.
Hardware	Missing, bent, broken, loosened, open hooks, etc.
Edges	Sharp points, or edges protruding bolts, or other protrusions, etc.
Pinch or Crush Points	Exposed mechanisms, junctures of moving components, etc.
Mechanical Devices and Other	Worn bearings, lubrication needed, missing protective covers, etc.
Hand Rails	Missing, bent broken, loosened, etc.
Ladders and Steps	Missing rungs or steps, broken, loosened, etc.
Swing Seats	Missing, damaged, loosened, sharp corners, etc.
Footings	Exposed, cracked, loose in grounds, etc.
Protective Surfacing Under	Compacted, displaced to ineffective level, does not extend to potential impact area, unsanitary, poor drainage, etc.

Section 5. OUTDOOR RECREATIONAL LIGHTING

(Repealed by Resolution No. A-85023, 9-15-08)