

SECTION 18 STANDARD PARKING STALLS AND REQUIREMENTS

18-01 GENERAL

Standard perpendicular parking space shall be nine feet (9') in width and eighteen (18') feet in length.

Parking spaces shall have a vertical clearance of at least seven feet over the entire area.

The minimum width of a one-way drive aisle shall be twelve (12) feet.

The minimum width of a two-way drive aisle shall be eighteen (18) feet.

Parallel and acute angle parking shall be designed for one-way traffic only, unless otherwise specified by the planning commission.

The following table summarizes parking stall design requirements:

| Parking and Drive Aisle Minimum Design Standards for One-Way Drive Aisle | | | | |
|---|--|--------------------------|----------------------|----------------------|
| Stall Angle | Standard Size Stalls (9.00' x 18.00') | | | |
| | Row Width | Drive Aisle Width | Bay Width | |
| | | | Single Loaded | Double Loaded |
| 0 | 9.00' | 12.00' | 21.00' | 30.00' |
| 30 | 16.79' | 12.00' | 28.79' | 45.58' |
| 45 | 19.09' | 12.00' | 31.09' | 50.18' |
| 60 | 20.09' | 18.00' | 38.09' | 58.18' |
| 90 | 18.00' | 26.00' | 44.00' | 62.00' |

18-02 MATERIALS

All materials shall be in conformance with sections of these Standard Specifications.

18-03 CONSTRUCTION

18-03.01 Duck-outs

Duck-outs shall be constructed at the locations and to the dimensions shown on the Plans and specified herein.

Contractor shall saw cut existing pavement in a neat line, allowing for approximately two (2) feet of asphalt conform area between existing pavement and concrete gutter. Asphalt conform shall have a minimum section of 4" Class II base course with 2" AC surface course.

Install two foot (2') wide (or match existing) concrete gutter for the length of the duck-out and dowel into existing at each end using two #4 rebar. Concrete gutter shall have a minimum thickness of eight inches (8").

Duck-out slab shall be 6 inches thick with reinforcement, on dobie blocks. The slab shall have a minimum cross slope of 1% towards the concrete gutter.

Width of duck-out shall be approximately six and one half feet (6-1/2').

Length of duck-out shall be a maximum of twenty-four (24) linear feet per car.

Install concrete curb according to Standard Plans.

Root pruning of existing trees shall be as directed by City Arborist or the Engineer.