SECTION 32 31 18

SPLIT RAIL FENCES & GATES
Last Updated: March 3, 2014

Part 1  GENERAL

1.1  SECTION INCLUDES
   A. Requirements regarding split rail fencing and gates on District lands or interest in lands.

Part 2  PRODUCTS

2.1  GENERAL
   A. Unless otherwise required by city and/or county ordinances, fences and gates shall be six feet in height.
   B. All wood materials shall be treated wood, or wood of a natural resistance to decay. Materials shall be free from loose knots, cracks, and other imperfections.
   C. This specification is written around traditional split rail style fencing. However, post and rail or buck and rail style fences will be considered on a case-by-case basis. Designs and specifications for these styles should be submitted to DISTRICT for review and approval.

2.2  RAILS
   A. 3-rail or 2-rail "American Style" split rail system shall be used.

2.3  POSTS
   A. Posts shall be 18-inch girth (approx. 25 square inches). Any deviations shall be approved by District.
   B. 2-rail posts shall be approximately 64-inches in height. Any deviations shall be approved by District.
   C. 3-rail posts shall be approximately 78-inches in height. Any deviations shall be approved by District.
   D. Posts shall be buried 30-inches into ground.

2.4  GATES
   A. In general, gates shall be tubular steel frame or heavy duty livestock or farm style. If field conditions dictate a different gate type, consult with DISTRICT.
   B. Gates for split rail style fences shall be Man Gates or Truck Gates.
   C. Man Gate openings shall be a minimum of 3 feet wide.
   D. Truck Gate openings shall be at least 12 feet wide.
   E. Gates shall be a minimum 16 gauge (1 3/4" or heavier), high tensile 50,000 psi tubular steel.
   F. Fittings and hardware shall be galvanized.
G. Hinge system shall be as per gate manufacturer’s recommendations.
H. Gates shall be approximately 50-inches high.
I. Latching system shall be positive lock chain and slot or equal and be daisy-chain compatible.
J. Gates shall be powder coated or EQUAL.
K. Acceptable gates include Mulberry Farm Gates, Renze Feed Victory Gate, Hutchinson Inc. Tubular Livestock Gate, or EQUAL.

Part 3 EXECUTION

3.1 PREPARATION
A. Follow all applicable blue stakes procedures.
B. Unless otherwise directed, OWNER or OWNER’s representative shall be on-site during entire fence installation.

3.2 LAYOUT OF WORK
A. Under no circumstance shall a fence or gate post be located above the Salt Lake Aqueduct or Point of the Mountain Aqueduct.
B. Gate location shall be approved by District prior to installation.

3.3 INSTALLATION OF POSTS
A. Posts shall be set true to line and grade.
B. Line posts do not require concrete footings.
C. Gate, corner, or end posts do require 12-inch diameter concrete footings extending at least 24-inches into undisturbed natural ground or properly compacted fill.

3.4 INSTALLATION OF FENCE
A. Typical split rail fence installation can be found in Figure 1 and 2 at the end of this specification section.
B. Installation of fence shall be as per fence manufacturer’s recommendations.

3.5 INSTALLATION OF GATES
A. Install gates plumb, level, and secure for full opening without interference. Install ground-set items in concrete for anchorage as recommended by the fence manufacturer. Adjust hardware for smooth operation.
B. Man Gates:
   1. Shall be installed on all enclosed or fenced-in District-owned (Fee or Easement) areas at Applicant’s expense.
   2. Shall be configured to allow District staff to enter the enclosed area, to perform inspections, and exit to the opposite side of the enclosed area, if necessary.
   3. Once gate is installed coordinate with District on lock installation.
C. Truck Gates:
   1. Shall be installed at the request of the District and shall be at no
additional cost to the District

2. Shall open/close in direction as directed by District.

3. Shall be configured to allow District vehicles to enter the enclosed area to perform inspections, work, etc... and exit to the opposite side of the enclosed area, if necessary.

4. Once gate is installed coordinate with District on lock installation.

FIGURE 1 - 3-rail Split Rail Fence Detail.  
(Source: CFC Fences & Decks)

FIGURE 2 - 2-rail Split Rail Fence Detail.  
(Source: CFC Fences & Decks)