

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 (apprx. 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.

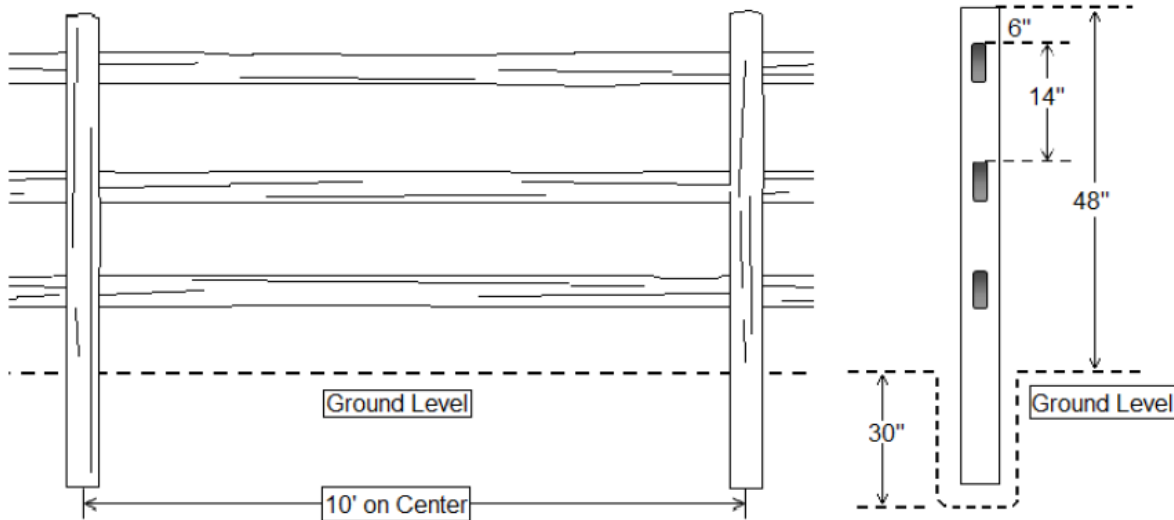


FIGURE 1 - 3-rail Split Rail Fence Detail.

(Source: CFC Fences & Decks)

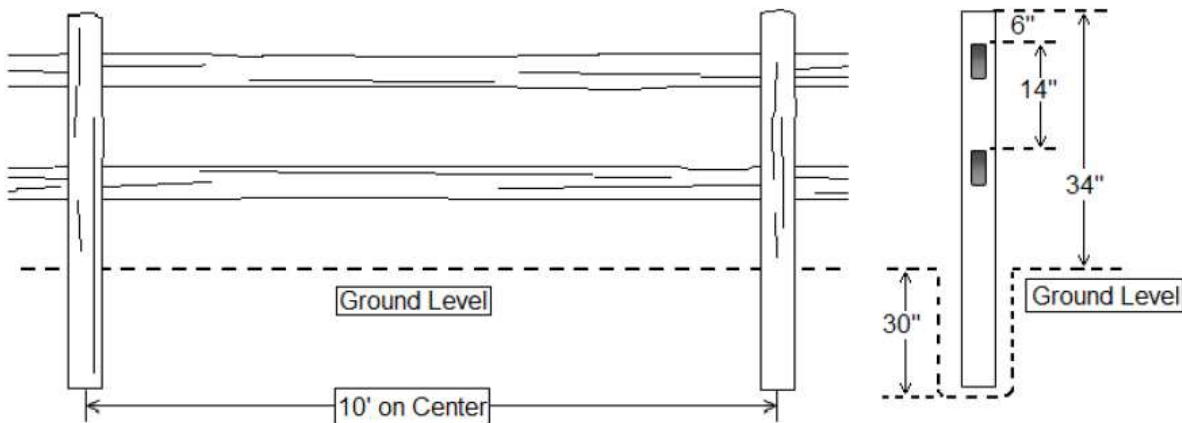


FIGURE 2 - 2-rail Split Rail Fence Detail.

(Source: CFC Fences & Decks)