## **ROSS VALLEY FIRE DEPARTMENT**



Developed by

Robert Bastianon, Fire Inspector
Approved by

Roger Meagor, Fire Chief

#### Fire Protection Standard 221

**Fire Road Access Gates** 

Date: 8/6/08	
Revision:	
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This Standard has been developed pursuant to Chapter 5 of the California Fire Code and Ross Valley Fire Department Ordinance. The purpose of this Standard is to provide specific criteria and dimensions in designing fire apparatus access to open space and other properties.

#### 1. General

The Fire Marshal shall designate where Fire Road access gates shall be installed and located. Gate installation and maintenance shall be provided for at the expense of the property owner and/or developer/contractor.

### 2. Access Point

The access point shall be provided from a road or driveway and consist of transition by means of a curb cut, the width and slope/grade of the curb cut shall not exceed the roadway and engineering design standards for curb cuts adopted County of Marin whichever is applicable.

## 3. Gate Design

Width – the net horizontal clearance of the gate shall be not less than 20 feet. The topography shall allow for the gate to swing to a fully open position and not impeded by vegetation, structural, or architectural features.

## 4. Signage

The gate shall be signed with an approved "No Parking Fire Lane Sign" in accordance with Ross Valley Fire Department Standard #204 sign option #1. Signs and curbs (if present) shall be posted and marked for a distance not less than 50 feet in front of the gate.

### 5. Gate Materials and Construction

The gate shall be made of the following materials and constructed in the following manner. Alternate materials and methods may be submitted for consideration but final decision and authority shall rest with the Fire Marshal.

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2'-8"

NOTES:

12'-@"

. ALL PIPE DIMENSIONS ARE GIVEN IN ACTUAL PIPE OUTSIDE DIAMETER 2. ALL METAL TO BE PAINTED WITH I (ONE) COAT FRIMER, AND 2 (TIUO) COATS WHITE ENAMEL. REFER TO SPECIFICATIONS.

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of

TOP GATE RAIL AT END POST ATTACHMENT

4-15 REBARS
GATE POSP
3" CLEAR (TYPICAL)
13 AT 12" ON CENTER
CONCRETE FOOTING

20'-0" 31/2" GATE FRAME OR 6% DIAMETER GATESLEEVES J." NOTCH (TYPICAL) FOR ALL PIPE AT JOINTS OF A 30" ANGLE OR GREATER 5'-9" 6'-0" SET GATE RAILS LEVEL -AND GATE POSTS PLLIMB 6-16" DIAMETER OD. EXTRA STRONG STEEL PIPE BLEEVE WALL THICKNESS = .423" | GATE FRAME BCALE: NTS. 31/2" DIAMETER TOP RAIL (2) (3" + SCH 4Ø STEEL PIPE) 0 WELD 14" THICK STEEL CAP TO 5-3/16" DIAMETER O.D. POST AND 6%" DIAMETER O.D. SLEEVE TOP RAIL AT POST CONCRETE STANDARD GREASE FITTING TOP OF FOOTING 3/1 31/2" DIAMETER END POST (3" + 5CH 40 STEEL PIPE)
FILL WITH CONCRETE AND
TOP WITH 1/4" CROUN PAYING PER ENGINEERS PLAN 31/3" DIAMETER TOP RAIL (3" + SCH 40 STEEL PIPE) 4 - 5 REBAR 5-9/16" DIAMTER OD. STEEL -POST WALL THICKNESS - . 423" (5'4 SCH 40 STEEL PIPE) BOTH SIDES OF RAIL TO RECIEVE CHAIN

2'-8"

# 6. Security

Gates shall be secured only with an approved Ross Valley Fire Department lock. Knox Lock order forms are available at the Fire Prevention Office. All associated fees will be paid directly to the Knox Corporation.