



# CAL FIRE – RIVERSIDE UNIT RIVERSIDE COUNTY FIRE DEPARTMENT

## OFFICE OF THE FIRE MARSHAL

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Date: 11/2/2016

To: Scott Taschner, Associate Planner city of Desert Hot Springs

From: Stephen Otero, Fire Safety Specialist

Re: 35009 & 35448 / Adkan Engineering

This letter is in regard to the fire protection conditions concerning the above referenced case. The Fire Department requires the listed fire protection measures be provided in accordance with the 2013 California Fire Code and/or the Riverside County Fire Department Fire Protection Standards. Final conditions will be addressed when complete buildings plans are reviewed:

For residential areas, approved standard fire hydrants, located at each intersection and spaced 330 feet apart with no portion of any lot frontage more than 250 feet from a hydrant. Minimum fire flow shall be 1000 GPM for 2-hour duration at 20 PSI.

The required water system, including fire hydrants, shall be installed and accepted by the appropriate water agency prior to any combustible building material being placed on an individual lot. Two sets of water plans are to be submitted to the Fire Department for approval.

Any turnaround requires a 38 foot turning radius or approved hammer head for fire apparatus.

The water mains shall be designed to provide for a potential fire flow of 2500 GPM and an actual fire flow available from any one hydrant connected to any given main of 1500 GPM for 2-hour duration at 20 PSI residual operating pressure.

Flag lots are not permitted due to public safety issues.

Secondary access is required. Provide a circulation map indicating a secondary access point to a major circulatory road way.

Fire Apparatus access road and driveways shall be in compliance with the Riverside County Fire Department Standard number 06-05 (located at [www.rvcfire.org](http://www.rvcfire.org)). Access lanes will not have an up, or downgrade of more than 15%. Access roads shall have an unobstructed vertical clearance not less than 13 feet and 6 inches. Access lanes will be designed to withstand the weight of 70,000 pounds over 2 axles. Access will have a turning radius capable of accommodating fire apparatus. Access lane shall be constructed with a surface so as to provide all weather driving capabilities.

Blue dot retro-reflectors pavement markers on private, public streets and driveways to indicated location of the fire hydrant shall be per Standard 06-11.

Roadways may not exceed 1320 feet without secondary access. This access may be restricted to emergency vehicles only however, public egress must be unrestricted.

COMMERICAL USE(Clubhouse/Community Centers): Approved fire apparatus access road shall be provided for every facility, building or portion of a building shall extend to within 150

feet of all portions of the facility and all portions of the exterior walls of the first story of the building as measured by an approved route around the exterior of the building or facility.

Dead-end fire apparatus access roads in excess of 150 feet in length shall be provided with approved provision for the turnaround capabilities of fire apparatus. See Fire Department Standard for turnout and turn arounds.

The minimum dimension for gates is 20 feet clear and unobstructed width and a minimum vertical clearance of 13 feet 6 inches in height. Any gate providing access from a road shall be located at least 35 feet setback from the roadway and shall open to allow a vehicle to stop without obstructing traffic on the road. Where a one-way road with a single traffic lane provides access to a gate entrance, a 38-foot turning radius shall be used.

Gates may be automatic or manual and shall be equipped with a rapid entry system (KNOX). Plans shall be submitted to the Fire Department for approval prior to installation.

The applicant or developer shall prepare and submit to the Fire Department for approval, a site plan designating required fire lanes with appropriate lane painting and/or signs.

Building plan check is to run concurrent with the City plan check. Submittals are the responsibility of the owner.

A display board may be required for this project, contact the Fire Department for details.

The Proposed project may have a cumulative adverse impact on the Fire Department's ability to provide an acceptable level of service. These impacts include an increase in the number of emergency and public service calls due to the increased presence of structures, traffic and population. The project proponents/developers will be expected to provide for a proportional mitigation to these impacts via capital improvements and/or impact fees

If there are any additional questions or information needed, please contact me at (760) 863-8886.

Many thanks,

Stephen Otero

Fire Safety Specialist