



Chino Valley Fire District

14011 City Center Drive
Chino Hills, CA 91709
(909) 902-5260 Administration
(909) 902-5250 Fax
Chinovalleyfire.org

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October 11, 2024

2023-0002301

BERGMAN KPRS
2850 SATURN ST
BREA, CA - California 92821

Project Name: CALVARY CHAPEL SCHOOL
PL23-0140 & PL23-0141
Project Address: 4201 EUCALYPTUS AVE
CHINO, CA 91710

It is a recommendation of the Fire District that the developer of every new construction project facilitate a preconstruction meeting. The meeting is to be scheduled with the Fire District Inspector for said project.

The following are the conditions of the above referenced permit/project. All conditions shall be adhered to, failure to comply with said conditions may result in the revocation of said permit and/or punitive fines as outlined in the Fire District fee schedule.

We look forward to a cooperative working relationship throughout the project. Should you have any questions regarding the project, including the conditions as set forth herein, please feel free to contact our office at (909) 902-5280.

Fire Protection Requirements

- 1.0 THE ITEMS BELOW ARE CONDITIONS OF APPROVAL AND ARE TO BE COMPLETED PRIOR TO RECORDATION:
 - 1.1 Fire access roads shall be designed and plans submitted to the Fire District for approval. Fire access roads shall be constructed of an all-weather hard surface, such as, asphalt or concrete, and be a minimum unobstructed width of 26 feet and minimum clear height of 13'6". The road grade shall not exceed twelve percent (12%) maximum. An approved turn around shall be provided at the end of each roadway in excess of 150 feet in length. Aerial access shall be provided for any buildings 30' ft. and higher per 2019 CFC. Appendix D. A 26' ft. wide access road shall be a minimum of 15' ft. to the building and a maximum of 30' ft. from the building. Access roads shall comply with Fire District Standard No. 111.

- 1.2 The development and each phase shall have two (2) points of vehicular access during construction. Fire District Standard No. 111 shall be complied with.
- 1.3 Water systems shall be designed to meet the required fire flow of this development and be approved by the Community Risk Reduction Division. Buildings in excess of 100,000 square feet shall have a minimum of two (2) connections to a public main. The developer shall furnish the Community Risk Reduction Division with three (3) copies of the water system working plans done by the installing contractor for approval, along with the Fire Flow Availability Form completed by the water purveyor prior to recordation. The required fire flow shall be determined by using the California Fire Code, current adopted edition. For all private systems, the water systems shall comply with Fire District Standard Nos. 101, 102, and 103. In areas without water-serving utilities, fire protection water systems shall be based on NFPA Pamphlet 1231. For water connections and work conducted in the public right of way, please refer to separate plans reviewed and approved by the water purveyor.
- 1.4 Fire hydrants shall be six-inch (6") diameter with a minimum one four-inch (4") and one two and one-half inch (2-1/2") connections. All fire hydrants shall be spaced a maximum of three hundred feet (300') apart. Private water systems shall comply with Fire District Standard Nos. 101, 102, and 114. All hydrants shall be installed with pavement markers to identify their locations.
- 3.0 THE ITEMS BELOW ARE CONDITIONS OF APPROVAL AND ARE TO BE COMPLETED PRIOR TO OCCUPANCY:
 - 3.1 An automatic protection fire sprinkler system is required for all buildings 5,000 sq. ft or greater, and/or when used for allowable area increase, if applicable. This system shall comply with NFPA Standard No. 13 and Fire District Standard No. 110. An electronic/PDF set of detailed plans along with hydraulic calculations and material specifications shall be submitted to the Community Risk Reduction Division. The system shall be installed, tested and approved prior to system final. Fire sprinkler systems shall be installed by a licensed C-16 contractor and the contractor is required to submit a report to The Compliance Engine (TCE).
 - 3.2 An automatic fire alarm system is required. An electronic/PDF set of detailed plans shall be submitted showing the design, system components, signaling devices, fire alarm power supply, control panel and auxiliary devices and functions of the alarm system. Please refer to Fire District Standard No. 133 and current adopted editions of the California Building Code, as well as NFPA Standard 72. The contractor is required to submit a report to The Compliance Engine (TCE).
 - 3.3 Approved in-building, two-way emergency responder communication coverage for emergency responders shall be provided in all new buildings, if ERRC evaluation determines the need for installation of system. In-building, two-way emergency responder communication coverage within the building shall be based on the existing coverage levels of the public safety communication systems utilized by the jurisdiction, measured at the exterior of the building. System shall comply with current adopted edition of the California Fire Code, NFPA 70, 72 & 1221 and the contractor is required to submit a report to The Compliance Engine (TCE).

- 3.4 A maximum occupant load sign shall be posted in a conspicuous location near the main entrance/exit of the room, if occupant load is greater than 49 people. Such sign shall be legible.
- 3.5 Hand-held portable fire extinguishers are required to be installed. The location, type and cabinet design shall be approved by the Community Risk Reduction Division.
- 3.6 Smoke and Carbon Monoxide alarms are required to be installed per Section 310 of the California Building Code, current adopted edition. Locations shall be in accordance with code requirements.
- 3.7 Exits, doors, signs and approved path marking shall be installed in accordance with the current adopted edition of the California Building Code, Section 1007
- 3.8 "No Parking - Fire Lane" signs shall be installed in interior access drives at locations designated by the Community Risk Reduction Division. Curbs shall be painted red at locations designated by the Community Risk Reduction Division. Please refer to Fire District Standard No. 121.
- 3.9 An approved recessed Fire Department "KNOX" brand key box is required. The key box shall be located at or near the main entrance(s), and shall be provided with a tamper switch and shall be monitored by an approved central station monitoring service. Please refer to Fire District Standard No. 117.
- 3.10 An approved Knox key switch and/or Knox lock is required on each automatic electric or manual gate that crosses an EVA. All automatic gates shall be provided with a manual override. Fire District Standard No. 116 & 117 shall be complied with.
- 3.11 Commercial, industrial, and multi-family building addresses shall be posted with a minimum eight inch (8") numbers, visible from the street and during the hours of darkness they shall be internally or externally electrically illuminated. Posted numbers shall contrast with the background used and be legible from the street.

Where building set back exceeds 100 feet from the roadway, additional non-illuminated six inch (6") numbers shall be displayed at the property access entrance. These numbers shall also contrast with the background used. Fire District Standard No. 122 must be complied with.

- 3.12 Hot work areas shall not contain combustible materials or shall be provided with appropriate shielding to prevent sparks, slag or heat from igniting exposed combustibles. The hot work area shall have no cracks or cracks shall be tightly covered in the flooring, walls, ducts or shafts to prevent the passage of sparks to adjacent combustibles. If partitions are used to separate the hot work area, they shall be noncombustible, in fixed hot work areas, partitions shall be securely connected to the floor such that no gap exists between the floor and the partition. The hot work area shall have a noncombustible surface.

Hot work areas shall maintain good housekeeping; the floor area shall be kept clean.

In the event, hot work needs to be performed close to automatic sprinklers, noncombustible barriers or damp cloth guards shall shield the individual sprinkler heads and shall be removed when the work is completed. If the work extends over several days, the shield or cloth shall be removed at the end of each work day.

Hot work areas shall be provided with the following warning signs:

CAUTION
HOT WORK IN PROGRESS
STAY CLEAR

A fire watch shall be provided during the hot work operation and shall continue for a minimum of 30 minutes after the conclusion of said work.

Records of “prework check” reports shall be maintained on site for 48 hours after hot work is completed. The prework check shall include the following:

- a). Ensure that hot work equipment to be used is in satisfactory operating condition and in good repair.
- b). Ensure hot work site is clear of combustibles or combustibles are protected, including exposures.
- c). Ensure any openings are protected and floors are clean.
- d). Fire watch is assigned.
- e). Care has been taken to prevent accidental activation of fire sprinklers or other life safety systems.
- f). The fire extinguisher for the hot work area is not blocked and accessible.

A minimum of one portable fire extinguisher with a rating of 2-A:20-B:C shall be readily accessible within 30 feet of each hot work area.

All compressed gas cylinders used shall be properly secured against accidental dislodgement and against access by unauthorized personnel. Compressed gas cylinders shall be protected from physical damage by an approved means.

Pressure relief devices shall be arranged to discharge upward and unobstructed to the open air in such a manner as to prevent any impingement of escaping gas upon the container, adjacent structures or personnel.

The storage area of the compressed gases shall be properly marked with an NFPA 704 placard as well as a sign reading: COMPRESSED GAS.

The storage area shall be provided with adequate lighting.

3.13 An electronic/PDF set of plans shall be submitted separately for each of the following listed items to the Fire District for review, approval and permit prior to any installation or work being done. Approved plans must be maintained at the worksite during construction. Fees are due at the time of submittal.

- a) Building Construction, includes tenant improvement work
- b) Private (onsite) Underground Fire Protection Water Systems, if applicable
- c) Fire Sprinkler Systems, designed by C16 contractor or registered engineer

- d) Fire Alarm Systems or Sprinkler Monitoring Systems designed by a C7, C10 contractor or registered engineer.
- e) Knox box and/or security gate locations.
- f) Emergency Responder Radio Coverage Systems

Applicable Standards:

101, 102, 103, 110, 111, 114, 117, 121, 122, 133, 141, 143

CVFD Standards available online at <http://www.chinvalleyfire.org>