



Arrowbear Lake Fire Department

Community Risk Reduction Division

Fire Letter

Date: 05/16/2024

Project Name: Arrowbear Boatyard

Address: 32864 Hilltop Blvd. Arrowbear Lake, CA 92382

Applicant: Randy Haislet

Reviewed By: Paul Lindley, Fire Chief Fire Marshal

Occupancy Group Classification: S-2

Fire Department Permit Number: FL 25-0001

County Permit #: PROJ-2023-00083

With respect to the planning conditions for the referenced project, the fire department requires the following fire protection measures be provided in accordance with the current edition of the California Fire Code (CFC) as adopted and amended by the Arrowbear Lake Fire Department and/or recognized fire protection standards.

These conditions are preliminary and further review will be conducted upon receipt of additional entitlement and/or construction submittals. Additional requirements may be required based upon the adopted codes at the time of submittal.

1. **Fire Protection Water Supplies/Fire Flow** - Minimum fire flow for the construction of all buildings is required per CFC Appendix B. Prior to building permit issuance for new construction, the applicant shall provide documentation to show there exists a water system capable of delivering the required fire flow. Specific design features may increase or decrease the required fire flow.
2. **Fire Protection Water Supplies/Hydrants** - The minimum number of fire hydrants required, as well as the location and spacing of fire hydrants, shall comply with CFC Appendix C and NFPA 24. Fire hydrants shall be located no more than 400 feet from all portions of the exterior of the building along an approved route on a fire apparatus access road, unless otherwise approved by the fire department. In areas where new water mains are extended along streets and hydrants are not needed for protection of structures, standard fire hydrants shall be provided at spacing not to exceed 1,000 feet along streets for transportation hazards. Fire hydrants shall be at least 40 feet from the building it is serving. A fire hydrant shall be located within 20 to 100 feet of the fire department connection for buildings protected with a fire sprinkler system. The size and number of outlets required for the approved fire hydrants are 4" x 2 1/2" x 2 1/2" (super hydrant). Reference CFC as amended and NFPA 24.
3. **Fire Department Access** - Fire apparatus access roads shall be provided within 150 feet of all exterior portions of buildings, unless otherwise approved by the fire department. Fire apparatus access roads shall have an unobstructed width of no less than 24 feet. Dead-end fire apparatus access roads exceeding 150 feet in length shall provide an approved turnaround. The minimum required turning radius of a fire apparatus access road is 38 feet outside radius and 14 feet inside radius. For developments within the SRA VHFHSZ, the minimum required turning radius of a fire apparatus access road is 74 feet outside radius and 50 feet inside radius. See California Code of Regulations Title 14 Section 1273.04. The construction of the fire apparatus access roads shall be all weather and capable of sustaining 75,000 lbs. Unless otherwise approved, the grade of a fire apparatus access road shall not exceed 16 percent, and the cross slope shall not exceed 2.5 percent. The angles of approach and departure for fire apparatus access roads shall be a maximum of 6 percent grade change for 25 feet of approach/departure.

4. Fire Department Access Turn Around – On-parcel dead-end fire apparatus access roads exceeding 150 feet in length shall provide a bulb turnaround at the terminus measuring a minimum of 38 feet outside radius and 14 feet inside radius. For development within the SRA and VHFHSZ, the bulb turnaround at the terminus shall be 40 feet outside radius and 16 feet inside radius. In-lieu of a bulb, a hammer-head type turnaround is acceptable where the top of the "T" dimension is 120 feet with the stem in the center. Additional turnaround designs may be acceptable as approved by the Fire Department. Unless otherwise approved by the Fire Department, dead end fire apparatus access roads shall not exceed 660 feet for Very High Fire Hazard Severity Zone and High Fire Hazard Severity Zone areas.
5. Hazardous Vegetation and Fuel Management Plan - Projects in Responsibility Area Very High, High, and Moderate Fire Hazard Severity Zones shall provide a Hazardous Vegetation and Fuel Management Plan to be reviewed and approved by the Fire Department.
6. Fire Department Building Construction Plan Review - Submittal of construction plans to the Fire Department will be required. Final fire and life safety conditions will be addressed when the Fire Department reviews the plans. These conditions will be based on the California Fire Code, California Building Code (CBC), and related codes/standards adopted at the time of construction plan submittal. Reference CFC as amended.
7. Materials and Construction Methods for Exterior Wildfire Exposure - Projects in the Local Responsibility Area, Very High Fire Hazard Severity Zone, and the State Responsibility Area Very High, High, and Moderate Fire Hazard Severity Zones shall comply with Chapter 7A of the California Building Code and California Code of Regulations, Title 14 Fire Safety Regulations. Reference CFC as amended. by the Official Fire Code. Reference CFC as amended.
8. Gate Access - All electronically operated gates shall be provided with Knox key switches and automatic sensors for access. These gates shall be provided with access to gate equipment or another method to open the gate if there is a power failure. (Manual gates shall not be locked unless a Knox padlock or Knox Box containing the key to the lock is installed in an approved location on the approach side of the gate). A pedestrian gate, if used to provide access, shall be a minimum 3 feet wide and provided with a Knox Box/Padlock if locked. Reference CFC as amended

Should you have any questions, or if some items are unclear, please phone our office at 909-867-3479 and speak with Fire Chief Paul Lindley or email at p.lindley@ablfd.org to assist you with these conditions.



Paul Lindley, Fire Chief/Fire Marshal
Arrowbear Lake Fire Department