



MIDDLETON RURAL FIRE DISTRICT

STAR FIRE PROTECTION DISTRICT

DATE: June 30, 2022

TO: City of Star – Building Official

FROM: Victor Islas, Deputy Chief

SUBJECT: Fire District Review

PROJECT NAME: Royal British Motorcars (CUP-22-04)

**Fire District Summary Report:**

**Overview:** This development can be serviced by the Star Fire Protection District. This development shall comply with the 2018 International Fire Code (IFC), Authority Having Jurisdiction (AHJ) and any codes set forth by the City of Star, Idaho.

**Fire Response Time:** This development will be served by the Star Fire Protection District Station 51, located at 11665 W. State St., Star, Idaho. Station 51 is 1 mile with a travel time of 0.5 minutes under ideal driving conditions from this development to the purposed entrance of the development.

**Accessibility:** Roadway Access, Traffic, Radio Coverage

Access roads shall be provided and maintained following Appendix D and Section 503 of the IFC. Access shall include adequate roadway widths, signage, turnarounds, and turning radius for fire apparatus.

Access road design shall be designed and constructed to allow for evacuation simultaneously with emergency response operations.

Drive Isles to be designed per City.

All access roads in this development shall remain clear and unobstructed during construction of the development. Additional parking restrictions may be required as to always maintain access for emergency vehicles. Hydrants shall remain unobstructed at all times per city code.

The applicant shall work with City of Star to provide an address identification plan and signage which meets the requirements set forth by each agency. Addressing shall be placed in a position that is plainly legible and visible from the street or road fronting the property, as set forth in International Fire Code Section 505.1

Upon commencement of initial construction of a new structure, a clear visible freestanding sign or post shall be erected and maintained in place until the permanent address numerals are attached or otherwise displaced upon the premises at completion.

Electric gates to be installed per IFC 103.5 with Knox access




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### **Specialty/Resource needs:**

Fire Department Key box entry system for the complex prior to occupancy as set forth in International Fire Code Section 506. Knox Boxes 3200 Standard Capacity can be ordered from [www.knoxbox.com](http://www.knoxbox.com).

### **Water Supply:**

Water supply requirements will be followed as described in Appendix B of the 2018 International Fire Code unless agreed upon by the Fire District.

1. Fire Flow: Requirements based on square footage for this project will be 2000 GMP for a duration of 2 hours.
  - a. Additional hydrant to be located on the property.
2. Automatic Fire Sprinklers shall be installed if adequate Fire Flows are not achieved.
  - a. Fire Sprinkler and Alarm plans are required to be approved by the Fire District and State Fire Marshal's Office.
  - b. Fire hydrant to be located no more than 100 ft from riser room and FDC.
3. Water Supply: Acceptance of the water supply for fire protection will be by the Fire District and water quality by the Star Sewer and Water District for bacteria testing.
4. Water Supply: Final Approval of the fire hydrant locations shall be by the Fire District or their designee in accordance with International Fire Code Section (IFC) 508.5.4 as follows:
  - a. Fire hydrants shall have a Storz LDH connection in place of the 4 ½" outlet. The Storz connection may be integrated into the hydrant, or an approved adapter may be used on the 4 1/2" outlet.
  - b. Fire hydrants shall have the Storz outlet face the main street or parking lot drive aisle.
  - c. Fire hydrants shall be placed on corners when spacing permits.
  - d. Fire hydrants shall not have any vertical obstructions to outlets within 10'.
  - e. Fire hydrants shall be placed 18" above finished grade to the center of the Storz outlet.
  - f. Fire hydrants shall be provided to meet the requirements of the Star Sewer and Water District Standards.
  - g. Show all proposed or existing hydrants for all new construction or additions to existing buildings within 1,000 feet of the project.
5. A 3-foot (914 mm) clear space shall be maintained around the circumference of fire hydrants.

### **Inspections:**

Inspection by the Fire District must be completed before building permits are issued and final inspection will be required prior to Certificate of Occupancy.

### **Additional Comments:**

- Fire Extinguishers per IFC 906
- Means of Egress Illumination per IFC 1008
- Occupancy Load Posting per IFC 1004.9



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