



William Guman & Associates, Ltd.

Bill Guman, PLA, ASLA, APA | Principal
Colorado Springs City Councilman 1993-2001
Colorado Springs Planning Commissioner 1992-1993
Regional Building Commissioner 1997-2001

URBAN PLANNING | COMMUNITY DESIGN | LANDSCAPE ARCHITECTURE | ENTITLEMENT COORDINATION

Please identify the fire protection mitigation measures (cistern) to demonstrate compliance with the requirements of LDC Sec. 6.3.3.

Weber Street, Suite 10 | Colorado Springs, CO 80903 | (719) 633-9700
<http://www.gumanltd.com>

AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS
AMERICAN PLANNING ASSOCIATION
COLORADO SPRINGS HOUSING & BUILDING ASSOCIATION



Fire Protection Report Estates at Cathedral Pines December 19, 2022

Please ensure you are addressing Black Forest Fire Protection District's comments received on 2/14/24.

Estates at Cathedral Pines is located within the Black Forest Fire Rescue District which serves about 11,638 citizens. The district boundaries include approximately fifty (50) square miles of land. Extending as far north as Hodgen Road, south to East Woodman Road, west to Union Road and east to Goodson Road. The total number of properties in the district is 5,367: 4,476 residential, 130 exempt, 73 agricultural, 19 commercial and 669 vacant. The district further protects the following crucial infrastructure: three (3) gas/oil pipelines, three (3) natural gas substations, four (4) cellular communication sites and an 800 MHz radio tower. Based on the El Paso County abstract of assessment, the district serves and protects approximately \$204,077,900 worth of property.

Black Forest Fire Rescue is a career department with twenty-eight (28) career firefighters, one (1) administrative officer, one (1) part-time emergency vehicle technician, four (4) temporary wildland technicians and a small contingent of volunteer EMS personnel. Black Forest Fire Rescue operates three (3) rotating 24 hour shifts with eight (8) firefighters per shift.

Black Forest Fire Rescue has a protection class of 5 within the entire protection district.

The average response time within the district is 8.77 minutes

The initial response to a structure fire is two engines, one with 500 gallons of water and a second with 750 gallons of water and one tender with 1,800 gallons of water. These apparatus allow a fire flow of 250 gallons per minute for the first 10 minutes.

Upon arrival of automatic aid companies from our neighboring agencies, one may anticipate an additional two engines (1,000 gal), and two tenders (4,000 gal) for an additional fire flow of 250 gallons per minute for an additional 16 minutes. This is until the hauled water shuttle system is established and Black Forest Fire Rescue can achieve a continuous hauled water supply.

Black Forest Fire Rescue has a limited hydrant system within the district. If the home is within 1000 feet of a working hydrant the ISO protection rating is a 4.

Black Forest Fire Rescue's primary firefighting water source is **hauled water**. This is accomplished through firefighting water cisterns, dry hydrants on ponds, and use of the limited hydrants within the district.

Black Forest Fire Rescue has two (2) stations which are staffed 24/7.

Black Forest Fire Rescue Station #1, Headquarters, Located at 11445 Teachout Road Colorado Springs, Colorado 80908. Station 1 was opened in 2003. Staffing at Station #1 is typically five (5) firefighters. Apparatus at Station #1 includes:

- Engine 711 (Type 1, 750 gallons)
- Brush 741 (Type 6)
- Tender 761 (1800 gallons)
- Medic 781 (Ambulance)
- Wildland Type 3
- Reserve Tender
- Reserve Brush
- Command vehicles

Black Forest Fire Rescue Station # 2, Located at 16465 Ridge Run Drive, Colorado Springs, Colorado 80908. The station was opened in 2009. Staffing at Station #2 is typically three (3) firefighters. Apparatus at Station #2 includes:

- Engine 712 (Type 1, 500 gallons)
- Brush 742 (Type 6)
- Medic 782 (Reserve Ambulance)

The average initial response is eight (8) firefighters and one (1) command level officer. Their automatic aid partners provide an additional eight (8) to ten (10) firefighters and an additional one (1) to two (2) command level officers. Additional personnel and apparatus are requested (mutual aid) as needed to support operations.