



Tyler "Ty" Cobb
Fire Chief

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April 19th, 2022

Fire Department Service Delivery Plan: Tax Map 92 Parcels 11.01 and 11.02 Rock Springs Road

Concerns: Our response times to maintain ISO rating based on the location of the development. Additional personnel is needed for an adequate response.

Scope of Services: The City of Columbia Fire & Rescue Department provides an array of services to the citizens and visitors of the City of Columbia. These services include but may not be limited to non-emergency services such as fire prevention and codes enforcement, pre-incident planning, public education programs, smoke alarm check/replacement and emergency services such as fire suppression, heavy rescue, emergency medical first response, and hazardous materials response. The City of Columbia Fire Department currently holds an Insurance Service Organization (ISO) Class 1 rating.

Columbia Fire & Rescue strives to provide all services in a timely, courteous, and professional manner. Due to the nature of emergency services, we strive to arrive at the incident scene as quickly as possible but without posing additional dangers to the residents/visitors we meet while responding to your location.

Infrastructure: The infrastructure put in place is like the foundation of your development. If the infrastructure is designed and constructed with the present needs and future plans in mind, your development will be prepared for the future.

Water: Columbia Fire & Rescue requires that there be sufficient water provided through the municipal water system to meet the needed fire flow requirements for your facility. These flows are calculated by the Fire Marshal. These flows are based on many factors dealing with your buildings' construction type, fire load in the building, square footages, and etc. If you install fire sprinkler systems in your facilities, Columbia Fire & Rescue can drastically reduce fire flow requirements.

Roadway and Bridges: Columbia Fire & Rescue serves the residents and visitors of our jurisdiction by utilizing highly trained firefighters and modern fire apparatus. A minimum response to a structure fire in your development will be four fire apparatus. One of the fire apparatus that will respond to your development will be a ladder truck with a gross vehicle weight rating of approximately 80,000 pounds. Roadways and bridges must be designed and constructed not only with light vehicle traffic in mind but with the emergency service vehicles that will be servicing your development.

Damage Free Property Access: Columbia Fire & Rescue requires all gates automatic or manual that will be or may be locked to be equipped with Knox Rapid Entry system. You can research this product at www.knoxbox.com or your gate vendor will be familiar with the product. Our department would also be happy to work with you to find what Knox Rapid Entry product is best suited for your application.

Damage Free Home/Facility Access: Currently, Columbia Fire & Rescue does not require residential occupancies to be equipped with the Knox Rapid Entry system. However, this product is a very wise investment for your future development. The Knox Rapid Entry System products allow homes to be secured but also allow the Columbia Fire & Rescue Department access to your property and/or homes without any delay or property damage. The system has an armored key lock safe recess mounted to the exterior of the homes with the key to the residence inside. Firefighters access the residence key during an emergency to gain entry into the home without causing any property damage. Again, our department would be happy to provide you with information and education on this program and its many positive attributes.

Emergency Response to Your Location: The proposed annex will be located on the Property at Tax Map 92 Parcels 11.01 and 11.02 Rock Springs Road in Columbia, Tennessee. This location is approximately 4.4 miles from Columbia Fire Station #3 located at 705 Tom Sharp Road, 8.7 miles from Fire Station #1 located at 1000 South Garden in downtown Columbia, and 11.4 miles from Fire Station #5 located at 2633 Nashville Hwy. These distances are used to calculate an estimated response time to your development for the different levels of emergency response that may be needed at your facilities.

Medical Emergency Response: Columbia Fire & Rescue normally responds a minimum of one fire apparatus from Station #3 to service your location for a medical emergency. From the time you dial 911 until the fire department will arrive at your location will be within 4.5 minutes. Should your property experience a mass casualty incident where additional fire apparatus/firefighters would need to respond, then Fire Station #3 could send an additional unit and arrive on-scene within 4.5 minutes of your 911 call.

Fire Incident Response: Columbia Fire & Rescue recommends a multi-faceted fire suppression approach. First, future homes should be constructed to meet or exceed all applicable fire and life safety codes. Secondly, even if not required by building, fire, or life safety codes, we encourage the installation and use of fire sprinklers in future homes.



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Columbia Fire & Rescue's normal fire incident response to a single family residential development is three fire apparatus with a minimum 15 firefighters and 1 Chief Officer. Response times will be similar to the times estimated in the emergency medical response section. Your first fire apparatus should be on-scene within approximately 4.5 minutes, the second fire apparatus should be on-scene within 4.5 minutes, and the third/fourth apparatus should be on-scene within 9 minutes. Due to OSHA standards that require at least four firefighters to arrive on-scene prior to initiating an interior fire attack and Columbia Fire & Rescue's minimum staffing policy, it could take the 4.5 minutes to get the minimum number of firefighters to the scene to begin an interior fire attack.

In summary, the members of the Columbia Fire & Rescue consider it an honor to serve the residents and visitors in our community each and every day. When an emergency occurs, time is our worst enemy. Columbia firefighters train to reduce every second while not posing any additional undue risk to firefighters and/or the public when responding to or working at an emergency incident. The times estimated in the referenced examples are a combination of averages and estimations. Our department has very little data to support incident responses to your location. The time estimations are based on the fire companies being at their regular station, time it takes for Maury 911 to process a 911 call, the time it takes for Columbia firefighters to board the apparatus and leave the station, and the travel time from the station to your location is an estimate based on road miles, probable traffic conditions, and road conditions. You can see by the examples referenced above that it will take time for Columbia Fire & Rescue to receive your call for help and then respond to your location. The roadways have considerable driveway/cross street connections, hills, curves, and reduced speed zones that contribute to a long response time for fire apparatus to arrive.

Sincerely,

 4-21-2022
Tyler "Ty" Cobb
Fire Chief
City of Columbia, Tennessee

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www.columbiatn.com/government/fire



Honor

Duty

Trust

Integrity

