A1 COLUMBIA FIRE STATION #5 CONCEPTUAL SITE MASTER PLAN
NOT TO SCALE

City of Columbia Fire Department

Station No. 5 Conceptual Site Master Plan

The Columbia Fire Department has a need to provide additional capabilities for emergency response personnel and administrative staff as a result of our rapid community growth. With exceptional growth and need along the northeast corridor of the City, it was determined that a replacement fire station with upgraded capabilities at this site would provide coverage and keep pace in our ability to provide adequate fire response and updated space for additional staff.

The current Station No. 5 has outlived its useful physical life. The Station was originally built in the 1970's. There are structural issues that have been caused by ground settlement over the years. The existing station also does not provide adequate space or modern facilities for current needs of the Fire Department.

The site is located at Ballenger Lane and Ria Street in Northeast Columbia. Primary access to the site will be from Hector Place. The site will have access from the East and West side of the site from Ballenger Lane and Hector Place. The Fire Department seeks to present a welcoming feeling and belonging to the neighborhood and area while developing the building to provide important life safety facilities that will serve the community. The living areas will be in scale with typical residential housing in the area. Building material considerations will be guided by the importance that the designs of the buildings represent and a feeling of belonging in the neighborhood.

The buildings and site will provide economical, reliable, sustainable, and innovative organizational and infrastructure foundations for the efficient delivery of municipal services to meet the current and future needs of our residents and visitors.

Development of building plans that are resilient to anticipated future conditions.

- Develop site that prioritize safety and convenience while contributing to a bikeable and walkable community.
- Design to maintain maximum existing natural areas to enhance and maintain diverse native communities and landscape connectivity with the use of native plants in landscaping. Implement strategies to mitigate storm water impacts due to development.
- Use the highest recycled content materials and regionally source materials to the highest extent possible. Reduce landfill waste by diverting construction and demolition waste.
- Design facilities with highest feasible energy efficiency with on-site renewable energy HVAC & lighting systems and control installations that exceed code minimum requirements. Air conditioning units to use refrigerants with low global warming potentials (e.g., carbon dioxide or ammonia instead of hydrofluorocarbons). Systems will be designed to manage energy demand to reduce peak energy use.
- Design facilities to be solar ready.
- Design facilities using water conservation fixtures, such as low-flow urinals toilets, showers and faucets.
- This permanent station will provide space for living, sleeping, office, training, and storage space with 3 apparatus bays. Additional square footage will provide for mezzanine storage and training activities as well as mechanical systems.
- Provide a Community Garden to replace the existing garden of equal or larger size.

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COLUMBIA FIRE DEPARTMENT STATION #5
1400 BALLENGER LN

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