Team #2021 - 1920

# The Spine Kansas City, Missouri

### **Design and Development Plan**

The Spine is a new development that is expanding Kansas City's downtown core while being **aware**, **ambitious**, and **accessible**. The Greater Downtown area is expected to grow by more than 9000 residents in the next 10 years. The Spine will support this increased population with the addition of 3230 residents and 1250 jobs through the project's 1380 residential units and 193,328 square feet of commercial and office space.

#### Aware

A linear park running through the development encourages pedestrian and cyclist movement. The development will enhance KCMO's rich history in music and culture through outdoor art installations and *busking spots*, highlighting local talent. The Spine will have ample space to host festivals, celebrating Kansas City's unique food and music scene in a beautiful outdoor environment.

The new KCMO Arts and Culture Hub will provide creative and social opportunities as the new home of the Kansas City Indian Center, and by founding the Black History Museum of Kansas City, in partnership with the Black Archives of Mid-America in Kansas City. Visual and musical artists will develop their skills at the Hallmark Coworking Center for the Visual Arts and the Charlie Parker Musical Rehearsal and Performance Space.

#### **Ambitious**

Climate change presents a global existential threat, and The Spine responds with the ambitious goal of not just reducing our environmental impact, but providing benefits as well.

The development has the ambitious goal of meeting the 2030 living building challenge by tapping into municipal district heating. This will also help us achieve LEED neighborhood development certification. The Spine Linear Park will incorporate urban agriculture and local stormwater management to both reduce the development's impact on the larger city and improve the lives of those who live, work, and play in the development. The Spine will plan for the future by incorporating modular office and residential design, allowing building owners to adjust spaces to respond to neighborhood demands in the coming decades.

#### Accessible

The Spine is more than a good investment - it is accessible for everyone. That's why 40% of our residential units will be affordable, with a rent to own program in partnership with Liberty Bank. The Spine will also be home to State Tech College of Missouri's new Kansas City Health Sciences campus, providing high quality education for better employability. The health sciences division will tap into Hospital Hill's existing academic medical network, training future medical workers and advancing the health sciences industry through biotech research space within the development. The walkable, transit oriented neighborhood will encourage healthy living, while reducing reliance on automobiles. Existing surface parking has been replaced with underground lots, accounting for additional demand due to increased density.

The Spine will provide a wide range of benefits for Kansas City through design that is aware, ambitious and accessible to all. It will improve the lives of those who currently call the area home, while inspiring others to grow the community.

### **Financial Plan**

Applying creative financial strategies to create great public spaces, environmental innovations, education opportunities and affordable housing - The Spine will encourage development in downtown Kansas City. The Spine improves the financial resilience of the City by partnering with Liberty Bank, securing public subsidies for State Tech, and other institutions.

The project will be developed in two phases (1A,1B and 2) over ten years, with a total development cost of \$380 Million. The demolition costs are front-loaded within each phase. Infrastructure costs will be front-loaded in the first two years of each phase of development.

A joint venture between KansasLine Properties and the developer will contribute initial equity to Phase 1A of the development at 6.5% interest rate on a 10 year term. The partnership will invest \$45 million in private infrastructure and public spaces to connect with the surrounding communities and enhance the experience of visitors. Once the loan payment is over, the equity partners will exit.

Phase I will be completed over six years. It comprises two divisions: mixed-use and high-density development (1A) in the first three years, securing a net income of \$100 million. The remaining three years include mid rise rental apartments and affordable housing developments (1B). The Spine linear park and neighboring rental apartments will be developed in Phase 1B, securing \$52 million in net income. Phase 2 focuses on creating mixed use development and community spaces, such as the KCMO Arts and Culture Hub (Building 10). The Spine infrastructure development will cost \$13 million.

The development includes 143,000 square feet of green roofs, environmental installations and LEED certification for offices, along with market for sale residential development (condos). PACE financing (Property Assessed Clean Energy) supports the financing of energy efficient improvements in residential and commercial developments. The project aims to fulfill PACE criteria, acquiring \$160 million in financing. Under city ownership, The Spine aims to be a sustainable development by replacing Holmes Street from 9th Street to 12th Street with a linear park that includes zones to learn, play, and chill. The proposed walkable approach of the project seeks to connect the city through mass transit options including new streetcars on 9th and 12th Streets, supported through Tax Increment Financing.

The Spine includes State Tech College of Missouri's new Health Sciences Campus, providing opportunities through job creation and a daycare facility within the Academic building. The new campus is financed through a Tax Increment Financing Works program to promote government educational institutions. The Spine will include 40% affordable rental housing (202 units), enabling the Low-Income Housing Tax Credit.

The construction is partly financed at 0% down-payment from PACE (MSED), financing at a loan-to-cost interest rate of 5% for a 10 year term. The rest of the development is financed through Liberty Bank, one of America's five largest African American owned financial institutions at a 4% interest rate on a 10 year term. The project will focus on promoting black owned businesses, reflecting the diversity of Kansas City in an equitable and inclusive approach.

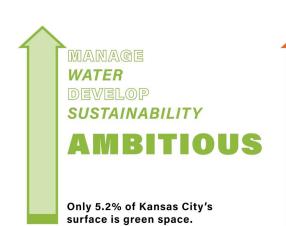
By partnering with local institutions, The Spine will expand the art, health, and leisure industries of Kansas City while providing a welcoming environment to call home.

### **A Livable Community**



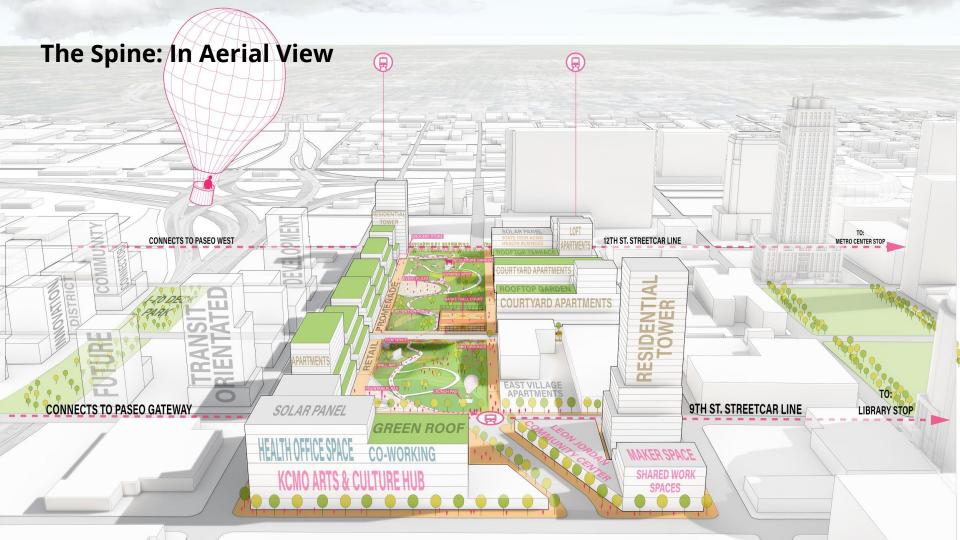
### **Aware, Ambitious and Accessible**



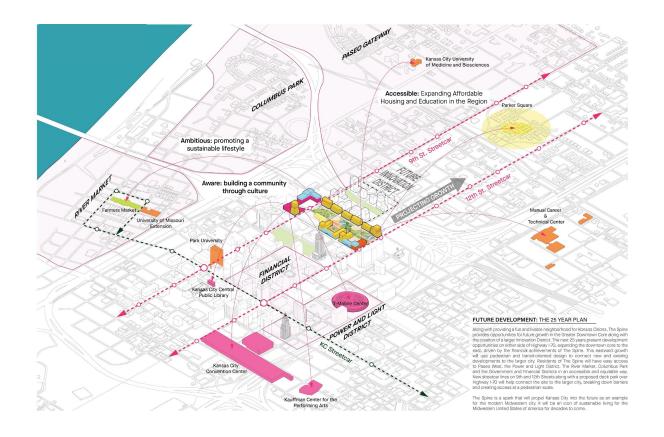




education



### **Connecting to the City**





### **Phase 1: Development Plan**

04

Retail

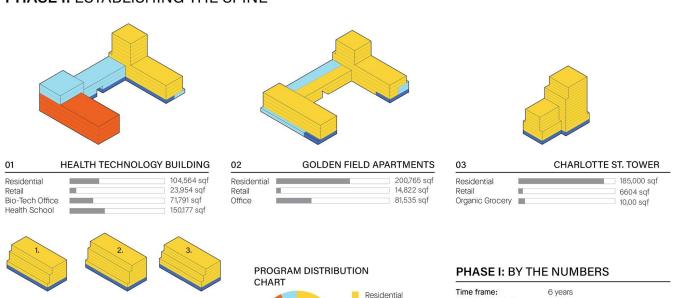
Residential

#### **PHASE I:** ESTABLISHING THE SPINE

LIBERTY APARTMENTS

198,607 sqf

43,089 saf



Retail

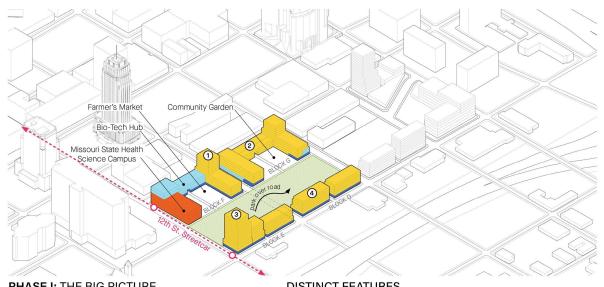
Office

Education

Time frame:
Market Rate Units:
Affordable Units:
Units per acre:
Parking Spaces:
EV Charging Stations:
Estimated Population:
(2.35 persons/dwelling unit)

857 units 202 units 97 units/acre 2401 spots 120 spots 2480 residents

### **Phase 1: Development Plan**



#### PHASE I: THE BIG PICTURE

Cost	Amount	Funding	Amount
Hard Cost Soft Cost nfrastructure	\$180,891,283 \$45,222,821 \$24,562,620	Equity PACE Financing Liberty Bank Loan LIHTC Equity TIF Works TIF Financing	\$53,160,500 \$96,435,72 \$78,354,02 \$0 \$3,699,090 \$6,565,128

Total: \$250,676,724 Total: \$238,214,471

#### **DISTINCT FEATURES**

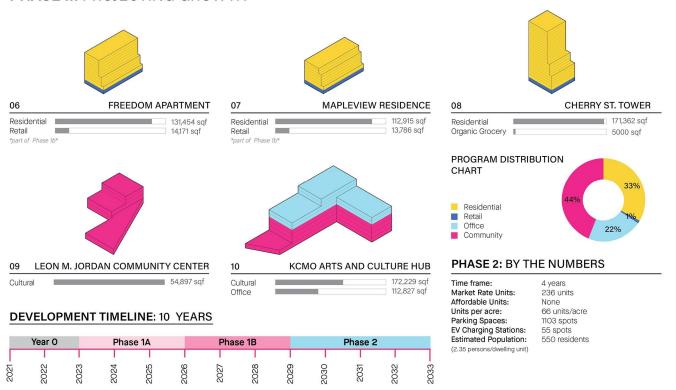
Aware: 12th St streetcar access, sculpture garden, busking zones

Ambitious: water rention ponds, PVC panels, green roofs, community garden, farmer's market, District Energy System provided by the KC Veolia Plant, basement parking with 5% of stalls with EV stations

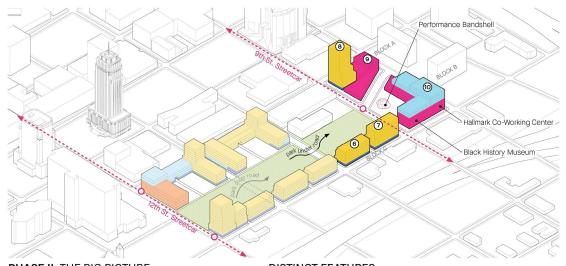
Accessible: Missouri State Health Sciences KC Campus, Bio-Tech Hub, 40% affordable housing

### **Phase 2: Development Plan**

**PHASE II: PROJECTING GROWTH** 



### **Phase 2: Development Plan**



#### **PHASE II: THE BIG PICTURE**

Cost	Amount	Funding	Amount
Hard Cost Soft Cost Infrastructure	\$87,039,956 \$21,759,989 \$3,209,917	Equity PACE Financing Liberty Bank Loan LIHTC Equity TIF Works TIF Financing	\$0 \$64,290,481 \$52,236,016 \$592,158 \$2,466,060 \$43,767,522
Total: \$112,009,862		Total: \$163,352,237	

#### **DISTINCT FEATURES**

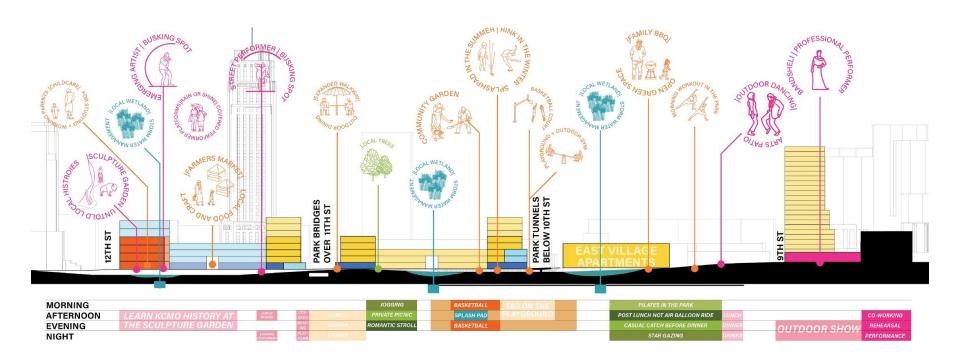
Aware: KCMO Arts and Culture hub which will provide the following amenities:

- Black History Museum of Kansas City
   Charlie Parker Rehearsal and
   Performance Space
- 3. Hallmark Co-Working Center for Visual Arts
- 4. Kansas City Indian Center
- 5. Outdoor performance bandshell

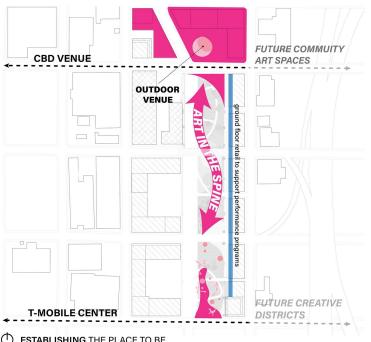
Ambitious: removal of Holmes St. from 12th to 9th St. to promote a pedestrian and cyclist friendly green corridor, water rention ponds, PVC panels, green roofs, basement parking with 5% of stalls with EV stations, District Energy System provided by the KC Veolia Plant

Accessible: 40% affordable housing, Community Center, maker space, community services programs

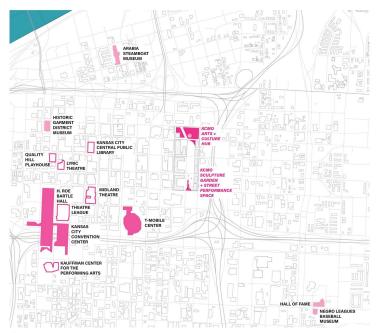
### The Spine: A Lively Neighborhood



### **Aware: Creating Culture**



**ESTABLISHING** THE PLACE TO BE



**CONTEXT CULTURAL VENUES** 

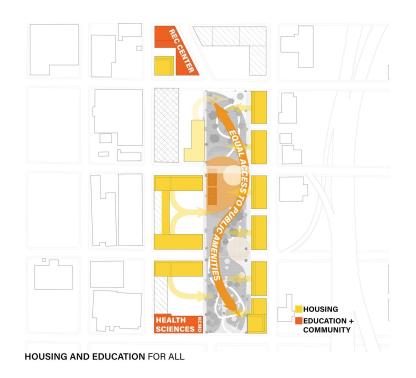
## **Ambitious: Green Living**

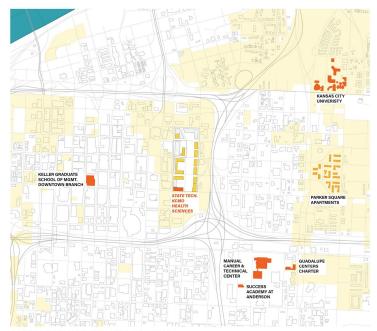


O VEOLIA KANSAS CITY DISTRICT ENERGY PLANT

**CONTEXT SUSTAINABLE INFRASTRUCTURE** 

### **Accessible: Social Equity**





**CONTEXT EDUCATION AND HOUSING** 

### **Welcome Home**

