

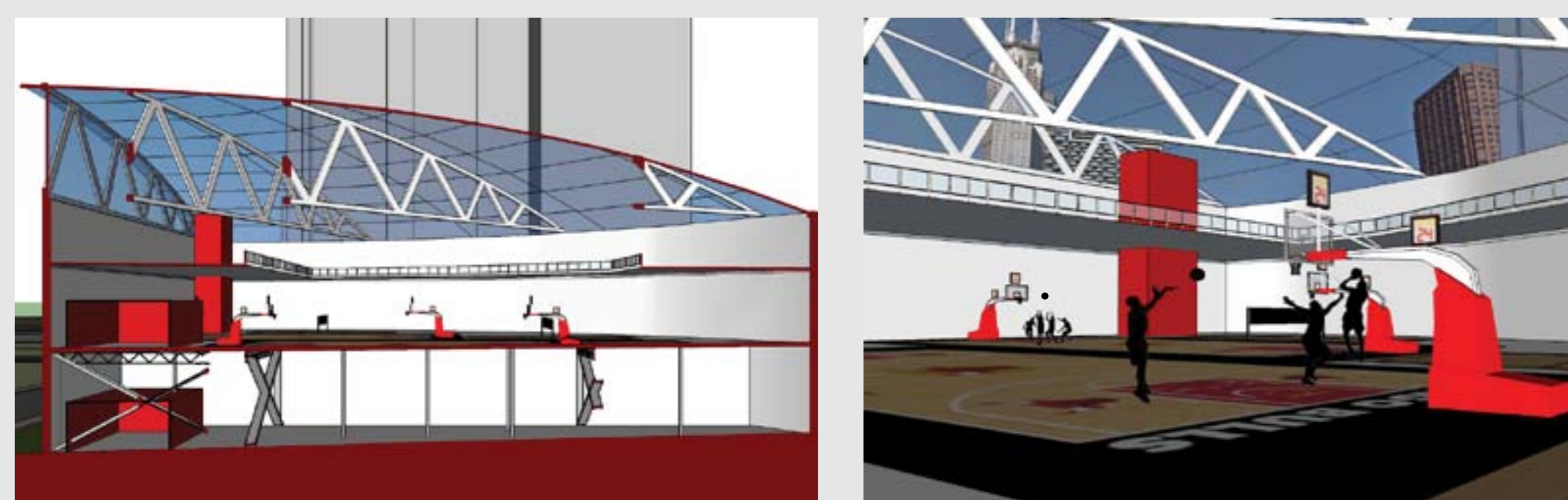


CITY CENTRE CHALLENGE - PARK CITY

CIRT DESIGN COMPETITION - 2015

PARCEL 1 RECREATION CENTER

The recreation center stands four stories tall, and consists of a lobby, gymnasium, sports therapy area, and a track suspended above it. The recreation center will serve an area of the city as a place to meet up, a place to stay active, and a place to get to know members of the community. The recreation center can support classes, sports leagues, and individuals alike, and is enjoyable during any season in Chicago.



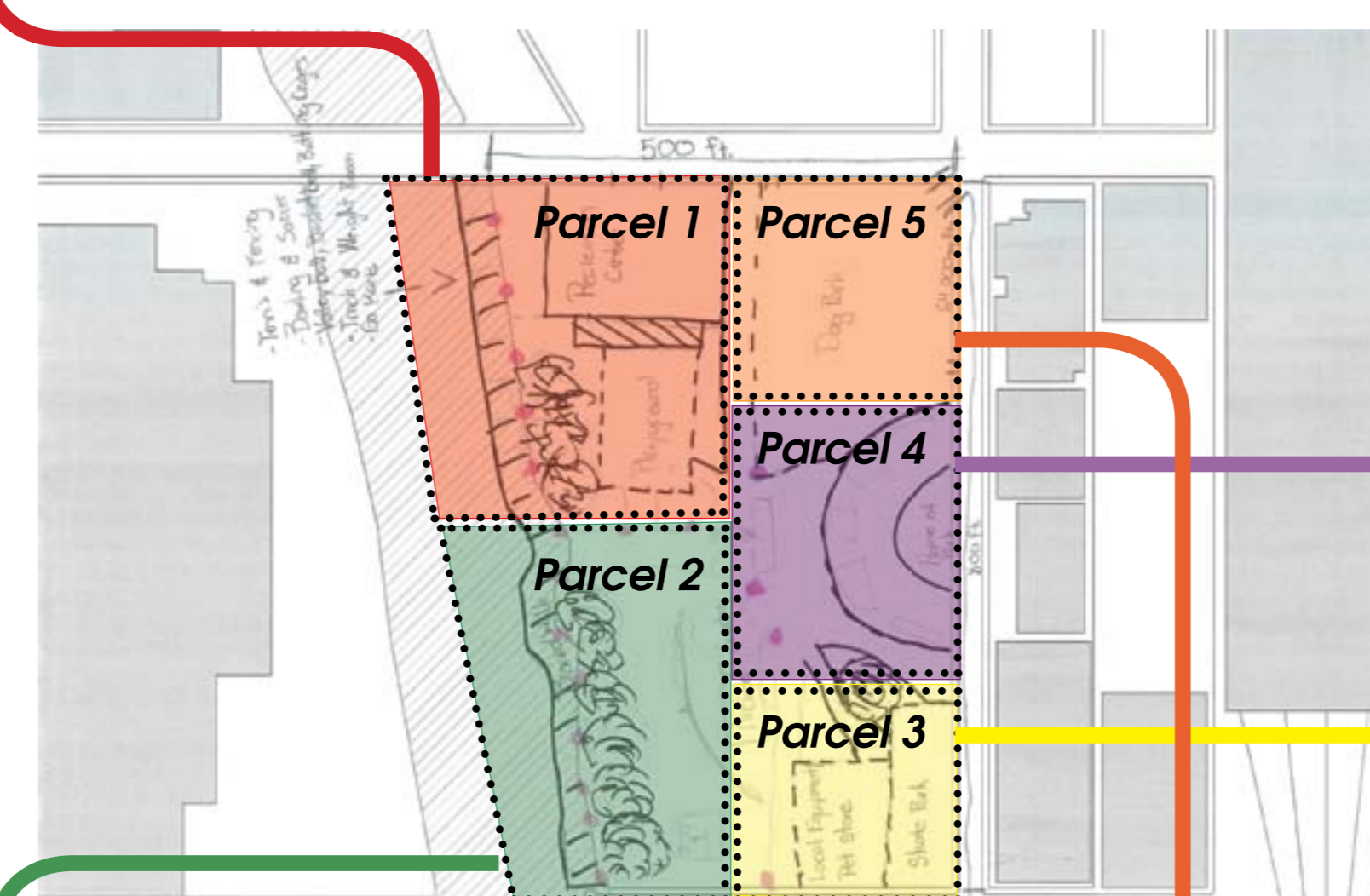
Our site is a vacant lot on the corner of W Polk St and S Wells St in Chicago, Illinois. The surrounding area has heavy traffic and sounds of downtown, yet when one steps into the grassy lot, it is as if there is a natural barrier due to the sloping of the site. The site is in close proximity to a train station, bus stations, bridges, and the expressway. The east side of our site is lined with residential high rises. On the west side is the Chicago River. The site is oriented facing the iconic Willis Tower and has a breathtaking view of the Chicago skyline. The primary challenge we faced was agreeing on whether we wanted commercial buildings, landscape, or combination of both. Since the site is large, we decided to design an amalgamation of both designs to satisfy the urban location as well as the natural ambiance we are trying to preserve.

Our design process began by visiting the site. We surveyed the area, analyzed the circulation and surrounding neighborhood, and concluded that the space needed a place for everyone to come together. Our team rummaged through architecture, construction, and interior design magazines to use as sources of inspiration. We made a collage of certain atmospheres, traits, and materials we wanted to use. Once we developed the general design through various sketches and bubble charts, we broke off into smaller groups by location: Recreation Center, Amphitheater, Skate Park, Food Truck and Dog Park. Within our individual groups, we used CAD programs to create various architectural, structural, and landscape plans. After several weeks of working within our individual groups, the team reconvened to combine all parcels into one. When necessary, we made revisions and accommodated for overlapping program along the way.

As our team was determining an innovative solution for the area, we decided maintain our client's interests. The grassy, vacant site is currently used by locals as an unofficial dog park; therefore, we incorporated an official dog park into our design. Our site is designed to have something for everyone. Since our primary goal is to enhance the natural beauty of the area and strengthen the character of the community, we decided that a multipurpose park would yield the most successful outcome. There is the recreation center and skate park for the athletic, dog park and boardwalk for the compassionate, concert pavilion for the ambitious, food trucks for the curious, and a playground for the children. By combining all of the activities individuals do for enjoyment into one, an individual will be sure to find his or her comfort zone within the park. While it is common to build another skyscraper in Chicago, locals do not have enough natural, interactive community centers to indulge in.

Our site is inherently in a beautiful location and simply needs an attraction to bring it back into full use. The park is comprised of mostly green space and encourages the appreciation of nature. The boardwalk will follow the path of the Chicago River through our site. The benches found throughout the park include built-in water catchment systems, designed to collect rain water and reuse it as fountains to add aesthetic beauty and irrigation. In addition to the natural scatter of trees already present along the river, there will be more trees and native Illinois grasses planted. This will not only improve the air quality in the city, but will allow low maintenance and lower expenses, as the plants are all native. Wildflowers and water features are scattered throughout the park to enhance the natural, welcoming feel. Within the actual structures there will be green walls and biophilia based design.

The involvement in this design process has helped us to become more sensitive to the needs of people in a public area, and the importance of renovating existing spaces to accommodate changing needs. We acquired an in-depth understanding of architecture, construction, engineering, management, how closely they work together, and how they operate in real-world situations. We learned how to use computer programs such as AutoCAD, SketchUp, and Photoshop project.



SITE PLAN

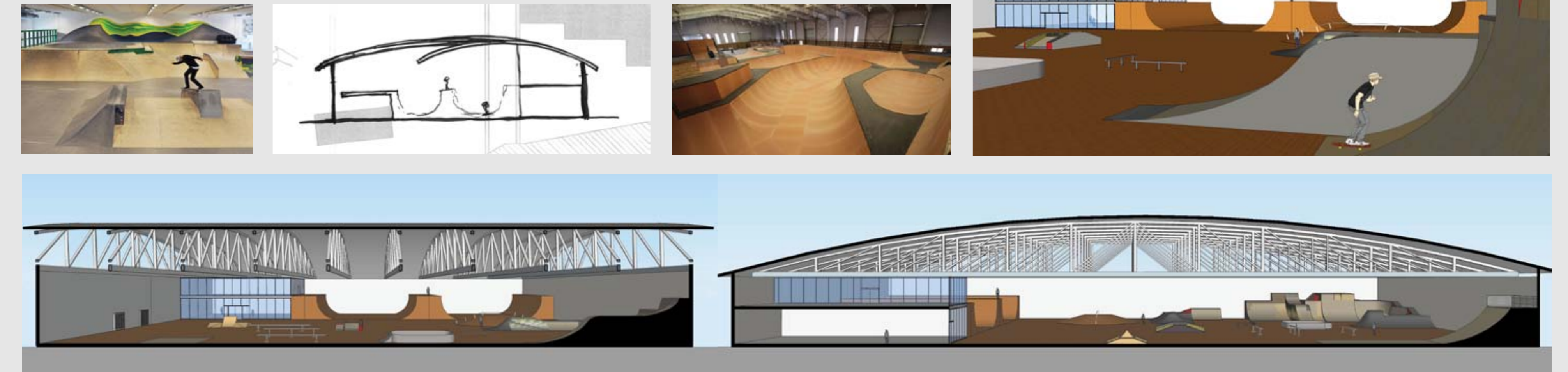


SUSTAINABILITY

1: Permeable pavement for walkways; 2: Rooftop gardens to preserve as much green space as possible; 3: Low flush water toilets to save water; 4: Recycled plastic picnic tables and furniture; 5: Water storage to collect rainwater for irrigation; 6: Renewable energy possibilities to power food trucks and site lighting; 7: Bike parking to reduce parking and car use; 8: Native plants that will thrive in our climate

PARCEL 5 SKATE PARK

Our mission in creating a skate park is to allow people who are passionate about the sport of skating to safely come to a place where they can practice their talent. The skate park is indoors to accommodate people during even the harshest of Chicago climates, and allows areas for talent levels from beginners through experts, and spectators alike.



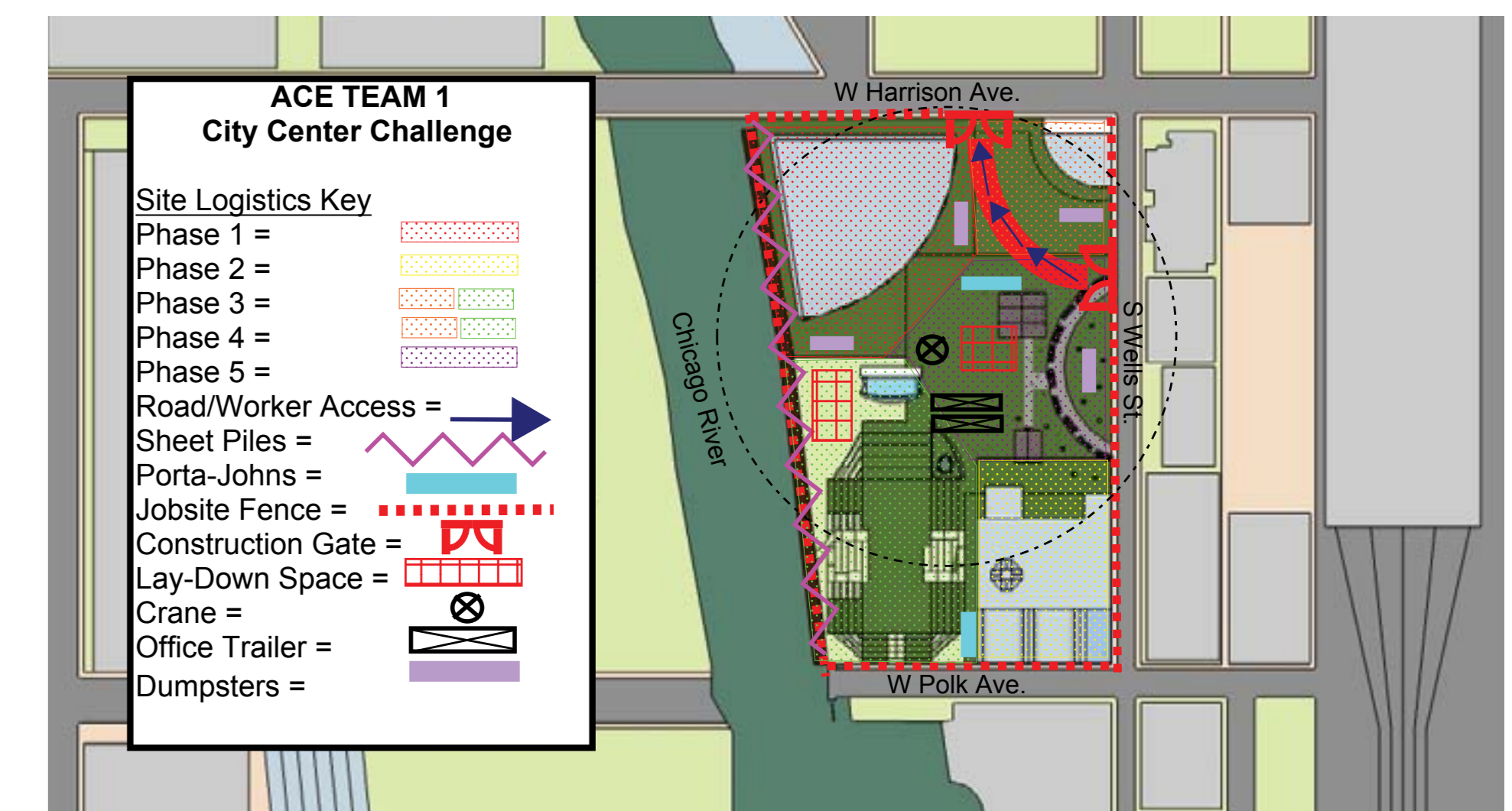
PARCEL 4 FOOD TRUCK PARK

The food truck area provides plentiful seating and dining space to accommodate the myriad of food choices provided by the vendors conveniently parked nearby. The centralized area of the site allows for easy access to the other sections of the park and accommodates a great view of the Chicago skyline. The commercial hot-spot is sure to attract consumers and vendors alike.



Task	Start	End	Duration	Predecessors
Site Preparation	04-Jun-15	04-Jul-15	1	
Foundation	04-Jul-15	04-Aug-15	1	Site Preparation
Structural Steel	04-Aug-15	04-Sep-15	1	Foundation
Roofing	04-Sep-15	04-Oct-15	1	Structural Steel
Interior Finishes	04-Oct-15	04-Nov-15	1	Roofing
Exterior Finishes	04-Nov-15	04-Dec-15	1	Interior Finishes
Site Work	04-Dec-15	04-Jan-16	1	Exterior Finishes
Final Inspection	04-Jan-16	04-Feb-16	1	Site Work

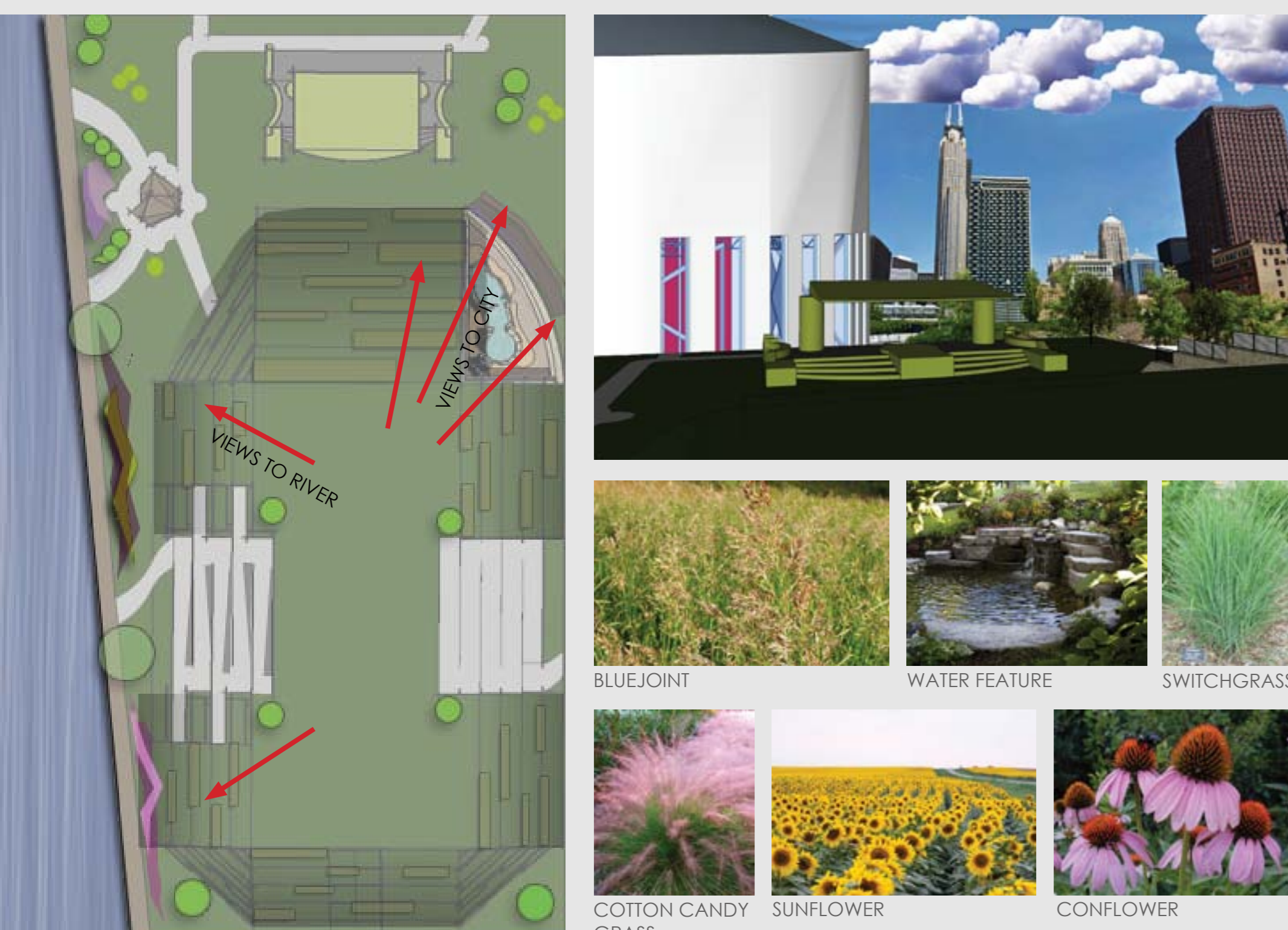
SCHEDULE



SITE LOGISTICS

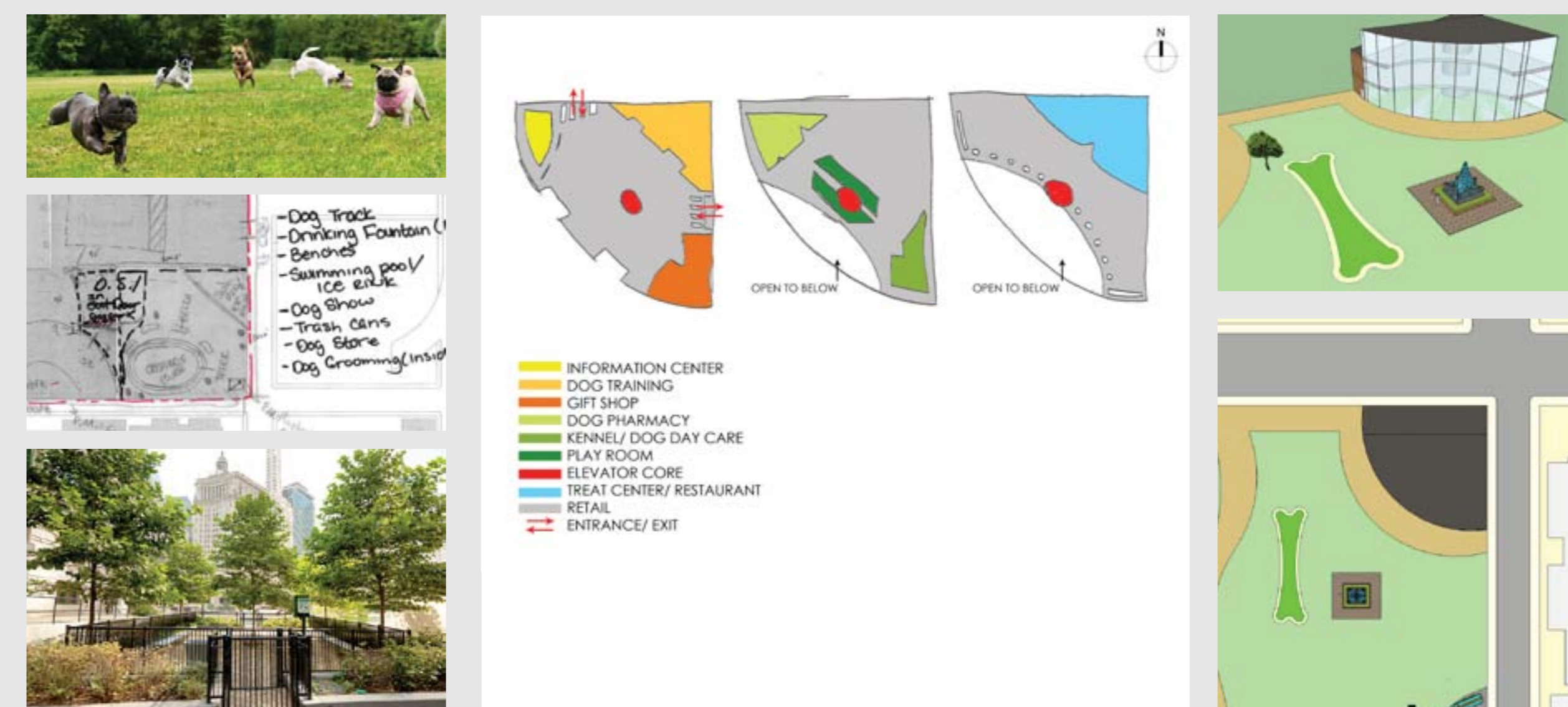
PARCEL 2 AMPHITHEATER

This green space incorporates a pavilion where the community can enjoy live music with the city skyline as its background. The audience can sit on a grassy hill landscaped to mimic seats. With the Chicago river feet away, an enticing boardwalk with benches will allow visitors to enjoy the scene. Vibrant, Illinois wildflowers will be scattered throughout the space and native grasses will be planted along the boardwalk.



PARCEL 3 DOG PARK

The indoor/outdoor dog park area was created after talking to residents in the area. There are many residential buildings in the area that currently use this site for exercising with their four-legged friends, and while the site has been developed to encourage use from around the community, it should also continue supporting the needs of their most immediate neighbors.



Code	Description	Quantity	Unit Price	Total
1.01	Site Preparation	1	\$1,000.00	\$1,000.00
1.02	Foundation	1	\$1,000.00	\$1,000.00
1.03	Structural Steel	1	\$1,000.00	\$1,000.00
1.04	Roofing	1	\$1,000.00	\$1,000.00
1.05	Interior Finishes	1	\$1,000.00	\$1,000.00
1.06	Exterior Finishes	1	\$1,000.00	\$1,000.00
1.07	Site Work	1	\$1,000.00	\$1,000.00
1.08	Final Inspection	1	\$1,000.00	\$1,000.00
1.09	Other Project Expenses	1	\$1,000.00	\$1,000.00
1.10	Contingency	1	\$1,000.00	\$1,000.00
1.11	Sub-Total			\$10,000.00

BUDGET