

# Wichita State University **Stadium**

PROGRAMMING DOCUMENT - DATE 05.19.2023

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## **PROGRAM CLARIFICATIONS - Phase 2 CMAR Selection**

### **Schedule:**

Phase 1a - completed ahead of May 2025 KSHSAA State Track Meet

Phase 1b - anticipated completion - March/April 2026

Phase 2 - anticipated construction start following May 2027 KSHSAA State Track Meet;

Construction of Phase 2 to be phased as needed to accommodate the May 2028 KSHSAA State Track Meet.

### **Budget:**

Phase 2 construction budget is \$17 million (total project cost of \$22 million) with the potential to increase up to \$38 million total project cost pending fundraising. Project budget will be set ahead of contractor selection.

### **Scope/Priorities:**

Phase 2 will include replacement and/or modifications to the existing west side stadium structure to include seating for 6,500 spectators (including accessible seating areas), updated restrooms, a press box, and accommodations for future expansion/improvements.

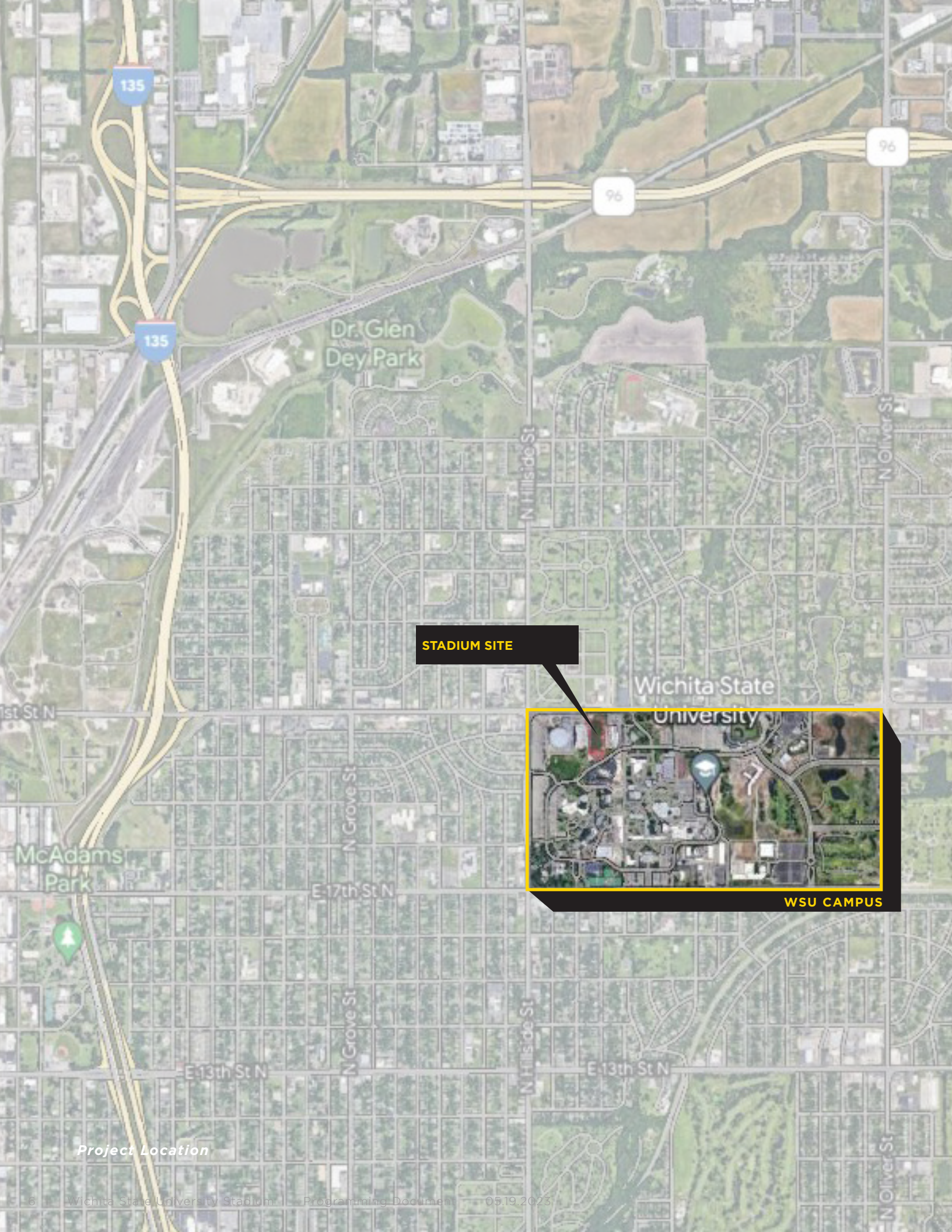


Conceptual Rendering

# Project Description

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## PROJECT DESCRIPTION

The Wichita State University Stadium Replacement provides new athletics and campus facilities to support existing and future university, high school, and community-based programs. The project is located on the previously developed Cessna Stadium site located adjacent to the Charles A. Koch Arena and the new WSU Student Athlete Center. Some building services are supported by available mechanical capacity at the Arena. The project replaces the outdated and aging Cessna Stadium. The east stands are slated for demolition this year as part of a separate small capital project.

The new stadium is designed for future expansion of athletics programs, specifically Women’s Soccer. It includes spaces for sports medicine, equipment, indoor practice, and storage, all of which current athletics programs have outgrown available existing space. Indoor practice and training spaces include space for throws and an inclined 60-80M track.

The East Pavilions include flexible amenity spaces that may be used for visiting team facilities and back of house areas to support crew and performer needs during outdoor concerts at the stadium.

A new wider track supports a competition size natural turf soccer field on the infield. New throws areas and jumps are included within the stadium scope. The spectator seating is distributed around the entire track for an enhanced experience and premium atmosphere for athletic competition throughout the track & field level.

The seating capacity is designed for 14,000 spectators. Large enough to comfortably host the annual State High School Track & Field Championships, as it has historically. Unique to this event is the multitude of teams participating each year from across the state of Kansas.

Teams collectively descend upon WSU and stage their team areas with tents and accommodations for State Championships each May. The new stadium anticipates this event and provides a range of accommodations and seating types, for athletes, coaches, parents, and spectators.

Modern restrooms and concessions areas are distributed around the site for spectator convenience and to ensure full capacity events can be sufficiently accommodated. Accessible and companion seats allow for selection by viewing preference and are distributed throughout the stands at various elevations and vantage points. The site is designed for full accessibility to all levels and barrier free circulation around the site perimeter via walkways and paths. Vertical circulation via elevators is provided in the West Grandstand.

Pedestrian plazas on the east and west sides of the site provide opportunities for outdoor events. The west pedestrian plaza connects to the arena as well as the new ground level interior concourse of the West Grandstand providing for breakout area and outdoor event space. The concourse area not only provides event space but also may be used as an emergency shelter during inclement weather.

The WSU Stadium Replacement supports events that are unable to be accommodated elsewhere on campus or in Wichita today. It supports the needs for this type of facility in the region as a multi-functional facility able to host various events, such as large banquet gatherings, festivals, and outdoor concerts.





Conceptual Rendering

# Program

2

INTRODUCTION

Program

The program for the new stadium was developed in collaboration with the key stakeholders for the venue and the University.

On January 12th and 13th, Populous and GLMV Architects led a series of one-hour interviews and focus groups with a variety of stakeholders (see below for a full list). The discussion revolved around the culture and mission of the University, the vision of Athletics, and the needs of the organizations and student-athletes who use the existing venue.

KEY INTERVIEWS AND FOCUS GROUPS

- Track Staff
- Student Athlete Council
- American Athletic Conference Member// WSU Athletics Operations
- KSHSAA
- President Muma / Dr. King / Andy Schlapp
- Community Members
- Police Dept
- WSU Food Service (Premier Foods) // WSU Bookstore
- Broadcasting 3rd Party // Media Resource Center
- Facility Services
- Strat. Comm. // Athletics Marketing
- WSU Graduation Coordination Group // Sports Medicine
- Athletics Administration Staff

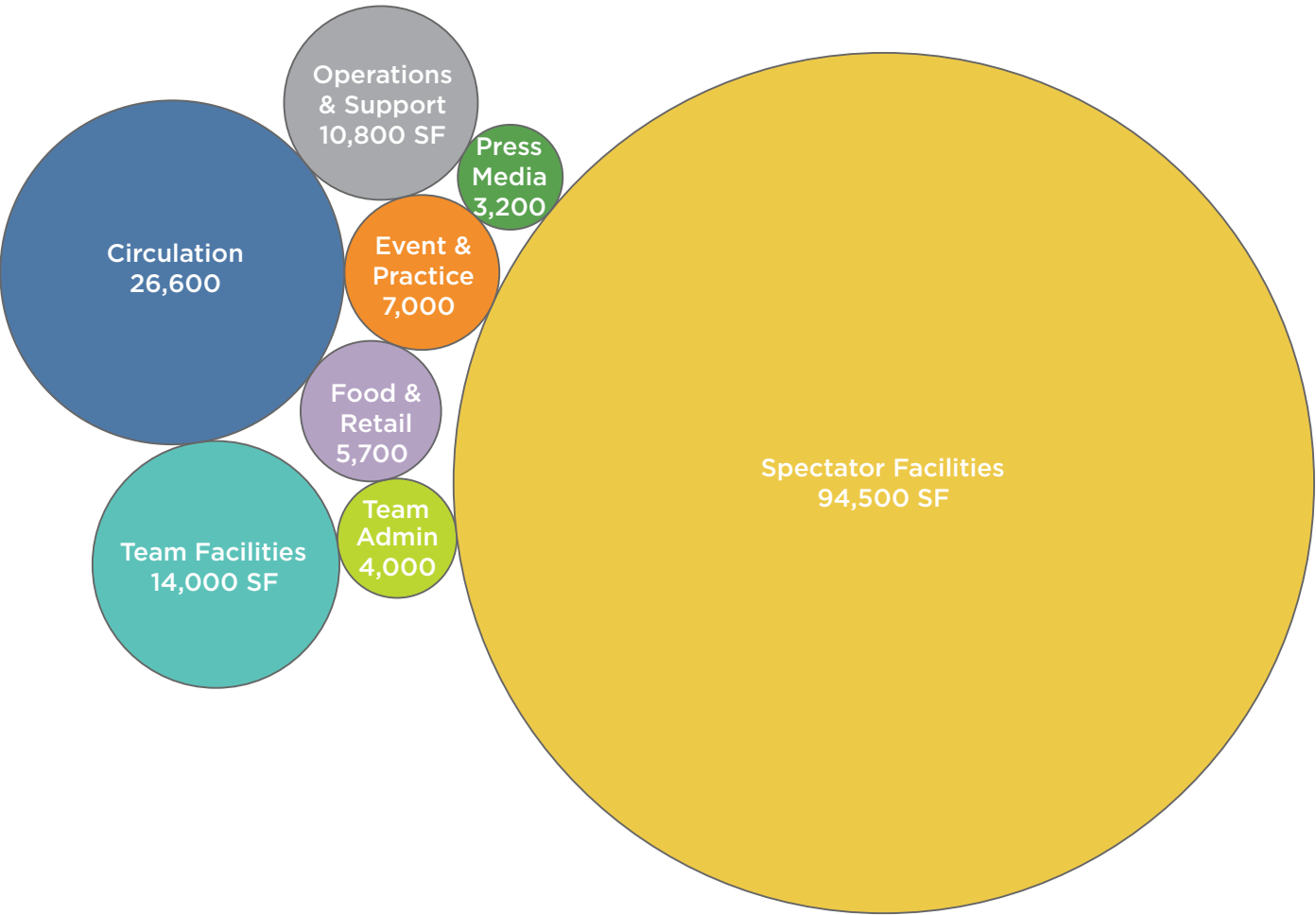
170,000  
Total Floor Area

10,260  
Number of Fixed Seats

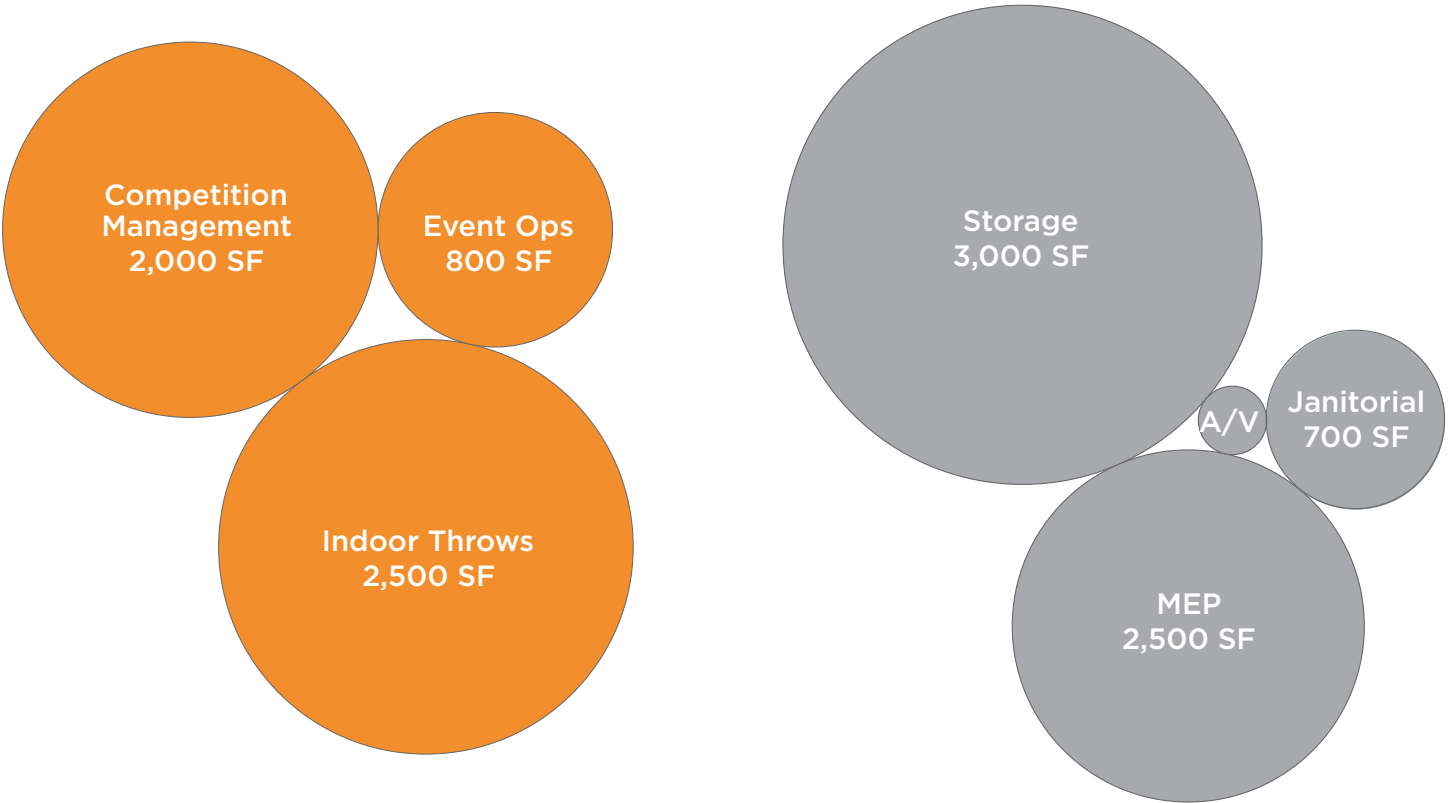
13,975  
Total Seating Capacity



PROGRAM CLASSIFICATION

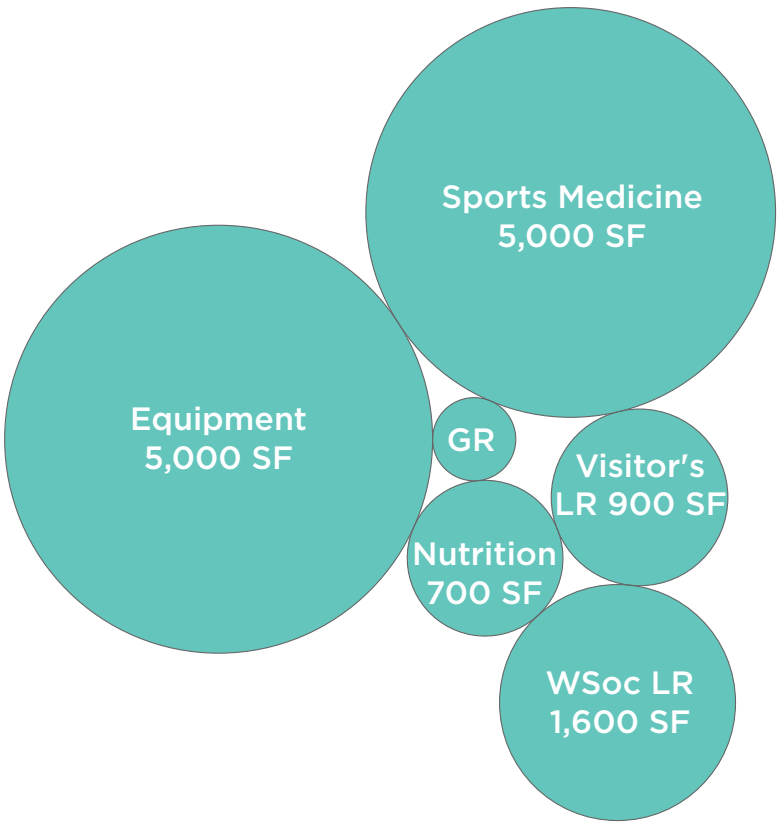


PROGRAM SPACE TYPE



EVENT & PRACTICE

OPERATIONS & SUPPORT



TEAM FACILITIES

TEAM ADMINISTRATION





Conceptual Rendering

## Building Systems

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# Building Systems Narratives

## ARCHITECTURAL

The new WSU University Stadium is an open-air stadium with a mix of related athletics and event spaces; interior and exterior concourse areas; indoor training areas; athletics facilities including offices, support areas, locker rooms, and sports medicine; public restrooms and concessions areas; event operations and press facilities. The primary structure is planned as steel framing and is to be provided with suitable weather protective and decorative finishes or claddings. Split-slab concrete floor assemblies provide weather enclosure for interior areas beneath exterior concourses and seating bowl. A canopy above the west grandstand provides shade to the seating areas. The seating bowl is designed with pre-cast concrete seating units and bleacher seating. Exterior finishes include a combination of brick veneer matching adjacent campus architecture with metal panel rainscreen above. Openings include aluminum framed windows, glazed upward acting doors for large ground level openings and glazed storefront at main entries.

High traffic areas, such as concourses, restrooms, and concessions are planned to have durable, low maintenance finishes such as concrete masonry unit (CMU) walls and sealed concrete floors. Low traffic areas, such as offices and support areas, are metal framed with gypsum wallboard for flexibility to allow future reconfiguration of spaces. Ceilings are a combination of exposed open ceilings and suspended architectural ceilings depending on the use and function of each space.

The site is designed to provide barrier free circulation to all areas for spectators, athletes, and performers. Walkways and plazas utilize paving and patterns matching adjacent campus areas and extend the

campus landscape design across the new stadium site.

The stadium is designed to meet or exceed all applicable code requirements required by the local authorities having jurisdiction and as adopted by the State of Kansas and referenced in the State of Kansas Building Design and Construction Manual.

A future potential connection to Koch Arena is planned as a multi-function banquet space that serves both the new University Stadium at the upper concourse level and Koch Arena at the upper bowl level with the ability to host 500 individuals. The space allows for both pedestrian and vehicular circulation under the connection.

The University Stadium project is broken into phases - Phase 1A, Phase 1B, and Phase 2.

The Phase 1A improvements will consist of new east side stadium seating, parking lots, sidewalks, courtyard/plaza space, concessions and restroom facilities.

The Phase 1B improvements will consist of new north and south stadium seating, new track and field and storage facility and will connect into the Phase 1A stadium seating as well as the existing west grandstands.

The Phase 2 improvements will consist of new west side grandstands, parking lot improvements, sidewalks and courtyard/plaza space between the new grandstands and Koch Arena.

## CIVIL

### Phase 1A

The new improvements will be construct-

ed on the east side of the existing stadium. The existing east grandstands will have been removed with a previous project. Phase 1A improvements will impact the existing parking lot and sidewalks between the east grandstands and Devlin Hall. Existing easements will be vacated. Existing underground fiber and Evergy electric will need to be relocated.

All utilities appear to be present to serve the new concessions and restroom buildings.

### Phase 1B

Phase 1B improvements will impact and remove the existing track and infield and associated storm piping along with existing retaining walls and throwing areas.

Storm piping will be modified to drain the new track and infield and will be sized for future turf infill within the infield.

### Phase 2

The Phase 2 improvements will be constructed on the west side of the stadium and will impact and remove the existing west grandstands, parking lots north of the existing grandstands as well as between the grandstands and Koch Arena.

All utilities appear to be present to serve the new west grandstands and ancillary building spaces.

## STRUCTURAL

The structural framing for the north, south, and east stands will consist of cast-in-place reinforced concrete or structural steel. The east concession and restroom buildings will be conventionally steel framed with steel joists and beams supported by steel columns. The west grandstand will be framed with steel col-

umns and composite steel beams and designed to accommodate a future connecting link with Koch Area. All structures will be supported by reinforced concrete shallow foundations.

## PLUMBING SYSTEMS

Phase 1 Spaces: General Plumbing installation shall meet current code requirements and building user requests at all spaces. Plumbing fixture selections should be in alignment with user preferences as well as established standards for the university.

Domestic hot water for the concessions buildings is proposed to utilize a central gas-fired tank-type domestic hot water heating system with recirculation pump at each concessions building. Hot water delivery shall be within 15 seconds.

Phase 2 Spaces: General Plumbing installation shall meet current code requirements and building user requests at all spaces. Plumbing fixture selections should be in alignment with user preferences as well as established standards for the university.

Domestic hot water for the west grandstand is proposed to utilize gas-fired tank-type domestic hot water heating systems with recirculation pump. Hot water delivery shall be within 15 seconds.

## HEATING, VENTILATING & AIR CONDITIONING SYSTEMS

The HVAC systems shall be designed to meet or exceed minimum requirements of the 2018 International Energy Conservation Code (adopted by the State of Kansas). HVAC shall be consistent with equipment selection, control, and maintainability found in other similar athletics facilities on campus.

Building Systems Cont’d

Phase 1 Spaces: It is anticipated the concessions buildings will be served by multiple direct expansion (DX) split systems with natural gas heat. The units will function as constant volume and will be selected appropriately for zoned exposures and occupancies. Estimated capacity is 15 tons per building. Code-mandated restroom exhaust systems are proposed as well.

Phase 2 Spaces: It is anticipated these spaces will be served by two variable air volume (VAV) Air Handling Units (AHU) with hot water preheat and split DX cooling condensing units. The condensing units will be concealed on the roof of stair towers. The AHU’s will serve VAV terminal units for individual space control with hot water reheat. These units will be located on a mechanical mezzanine. Hot water heating will be provided by a steam converter utilizing low pressure steam presently extended from the Koch Arena boiler plant. Estimated cooling capacity is 150 tons. Servers and other data/communications equipment rooms will likely require individual mini-splits.

Code-mandated restroom and locker room exhaust systems are proposed as well. Energy code considerations will require an energy recovery system to pretreat outdoor air to provide ventilation and make-up air. A dedicated outdoor air (DOAS) unit will be specified for this service and be located on the mechanical mezzanines as well.

ELECTRICAL

Power Distribution:

The Phase 1 concessions buildings will be served by a single pad mounted utility transformer. Due to the high traffic nature, the utility transformer will be located in a screened/fenced area to limit access.

This may be a shared courtyard with mechanical equipment provided necessary clearances maintained. The proposed service to the north concessions building will be 480/277V, 3-phase, 4-wire. This building will also feed the east side stadium lighting at 480V. Distribution transformers will be provided to obtain 208/120V, 3-phase, 4-wire power. The south concessions building will be sub-fed from the north building from one of these transformers.

The Phase 2 building will be served by a separate pad mounted utility transformer. This transformer will be located within a separate screened/fenced area to limit access. The proposed service to the building will be 480/277V, 3-phase, 4-wire. This building will also feed the west side stadium lighting at 480V. Distribution transformers will be provided to obtain 208/120V, 3-phase, 4-wire power.

Power panels will be strategically located in both phases to provide local power. Both 480/277V and 208/120V remote panels will be needed. Electrical panels will be fully rated with circuit breakers. HVAC, lighting, elevators, and miscellaneous equipment will be served at 480/277V. Receptacles, small HVAC loads, and miscellaneous equipment will be served at 480/277V.

There are no plans to provide an emergency standby generator for this facility.

Concert/Event Power:

Electrical distribution for concert/event spaces will be located in the north concessions building. This equipment will feed a 400A company switch at the stage location for temporary event power, as well as a freight elevator and other receptacle and lighting power needs within the back-of-house artist space. Additional

power locations will be coordinated throughout the stadium to ensure maximum flexibility for future events. Trailer parking lot will have 50A, 240V receptacles for event and production trailers or tour buses.

General Electrical Distribution

All wiring will be size based on copper in conduit. Rigid galvanized steel conduit will be utilized where exposed to exterior elements, PVC conduit shall be used for underground conduit runs with PVC-coated RGS elbows and risers, and EMT conduit will be utilized in concealed interior areas. Exposed conduit will be routed parallel or perpendicular to structure. Receptacles will be specification grade 20A devices. Where required by NEC, receptacles will be GFCI type. Where located exterior to the building, receptacles will also be weather-resistant and be provided with a metal, weatherproof-in-use cover. All outdoor power/data for event usage will be located outside the field of play.

Interior Lighting:

Interior lighting will be LED capable of 0-10V dimming. General interior lighting will consist of basket troffers, recessed downlights, and surface mounted or suspended strip fixtures. Specialty fixtures will be located and specified in coordination with the architect for the entry area and other high-profile spaces. Emergency lighting will be provided with battery backup as required per NFPA 101 and IBC. Lighting power density and controls will meet the applicable energy code.

Exterior Lighting:

Exterior lighting will consist of LED lighting. Bollards, pedestrian post top, area lighting, and building-mounted fixtures will be utilized. Fixtures will be required

at building exits for egress lighting. These fixtures will have battery backup. Lighting controls will follow Wichita State University standards and will meet the applicable energy code. An astronomic timeclock will be provided for exterior lighting control.

Stadium Lighting:

Stadium lighting will consist of LED lighting mounted on poles. A performance specification will be provided for a complete stadium lighting system to be provided by a reputable stadium lighting vendor. Power feeders to these poles will be provided per a basis-of-design system. Controls for this system will be provided by the lighting vendor.

Telephone / Data / Security / Access Controls Systems:

The buildings will have data closet(s) to serve IT needs in the building. The building IT equipment will be located in this room with cabling distributed to drop locations throughout the building. Distribution and connection to campus IT systems will be coordinated with Wichita State University IT Staff. Access controls and security systems will be designed by WSU’s vendors.

FIRE SPRINKLER

A sprinkler system shall be provided throughout all areas of the new Phase 1A – East Pavilions concession/restroom/retail/green room structures and Phase 2 West Stadium. The systems shall meet the requirements of NFPA 13 and be of a dry or wet pipe type based upon the conditioning of said areas on a year-round basis. The maximum sprinkler zone size shall be 52,000 sq. ft. per NFPA 13. It is anticipated that the covered outdoor party deck and circulation areas will be provided

Building Systems Cont’d

tected by a dry pipe sprinkler system. All sprinkler system flow and tamper switches shall be monitored by the building fire alarm system.

Offices, sports medicine, press, locker rooms, restrooms, public areas, party deck, circulation and concourses will be designed as light hazard occupancies with a design density of 0.10 gallons per minute per square foot over the hydraulically most remote 1,500 square feet. Electrical, mechanical, equipment, storage rooms, janitorial closets and telecommunications rooms will be designed as ordinary hazard group I occupancy with a design density of 0.15 gallons per minute per square foot over the hydraulically most remote 1,500 square feet. Boiler and mechanical rooms containing gas-fired equipment, concessions will be designed as ordinary hazard group II occupancy with a design density of 0.20 gallons per minute per square foot over the hydraulically most remote 1,500 square feet. Quick response area reductions are permitted by NFPA 13. A 100 gpm hose allowance for light hazard, or 250 gpm allowance for ordinary hazard, shall be included in the hydraulic calculations. Design areas shall be increased by 30% for dry sprinkler systems.

Sprinkler service entrance shall have a riser within the building consisting of a double check backflow preventer, wall-mounted fire department connection, and backflow test connection. Sprinkler systems shall be zoned by floor for the West stadium and each structure in Phase 1A will have its own zone given the small footprint of each structure. The West stadium sprinkler zones will be served from a combination standpipe riser. Each required sprinkler zone shall be provided with an indicating control valve, check valve, pressure gauge, flow switch, and test and drain. Dry systems shall consist of an indicating control valve, dry system

alarm valve with all trim and drain, and a riser-mounted air compressor. An exterior electric alarm bell and strobe will be located on an outside wall near the fire department connection. The fire department connections shall be within 100 feet of a fire hydrant and be per local fire department requirements.

Since the West stadium press level is greater than 30 feet above the lowest fire department vehicle access point, a manual wet standpipe system will be required per code. The standpipe system will be connected to the water supply serving the stadium, but since the building is not a high rise, the fire department will provide the necessary flow and pressure via the fire department connection. The required pressure at the top of the standpipe will be 100 psi while flowing 500 gpm from the first remote standpipe plus 250 gpm for each additional with a maximum of 1,000 gpm. Since the standpipe system can be of a manual type, the water supply available to the building does not need to meet the demand. Therefore a fire pump will not be required for the standpipe system, however one might be required for the stadium fire sprinkler system given the overall height of the Press level. This will be determined as the design progresses.

Fire protection piping shall be Schedule 40 black steel. CPVC and Schedule 10 steel piping shall not be allowed. Dry piping shall be galvanized Schedule 40 steel.

Sprinklers shall be quick response in all light hazard spaces. Sprinklers shall be centered in ceiling tiles and shall be concealed with flat cover plates in finished areas with ceilings, and brass upright or pendants in unfinished spaces. Back of house areas may use semi-recessed sprinklers. Concealed cover plates and sprinklers located in finished ceiling areas shall

have finishes as approved by WSU and the architect. Provide sprinkler guards on all sprinklers within 7 feet of finished floor or where otherwise subject to damage. Sprinkler temperatures shall be in accordance with NFPA 13.

Based upon the seismic design category ranking, seismic bracing for the fire sprinkler system maybe required. This will be coordinated with the structural engineer as the design progresses.

FIRE ALARM

An intelligent, digital, addressable fire alarm and detection system will be provided for the East Pavilion structures and the West Stadium building. A new fire alarm primary control unit located in a TBD location will be provided. Initiating and detection devices will all be addressable. When in alarm mode, the system will annunciate the type and location of each initiating device. Notification of Stadium occupants (in areas enclosed) shall be by digital voice speaker system and visual notification appliances. No notification appliances will be provided in the East grandstands or tiered SRO along with the North, South and West grandstands. However, scoreboard textual notifications will be provided. For the Stadium, when an alarm signal is received, speakers and strobes shall be activated throughout the facility. No other systems such as building automation, paging, etc. shall be combined with the fire alarm system. Manual voice announcements shall override any automatic audible notification. The system shall transmit alarm, supervisory, and trouble signals to the owners monitoring station. A remote annunciator will be located at the main fire department point of entry of the stadium.

An automatic photo-electric smoke detector shall be installed above the FACP,

and above any required extender panels. Smoke and fire/smoke dampers (if required) shall have duct detectors installed adjacent to the damper. Duct mounted photo-electric smoke detectors shall be installed in the supply and return air ducts for all air handling units 2000 CFM and larger to provide for automatic shutdown of air handling equipment in the event of smoke detection. Egress doors in smoke or fire barriers on electromagnetic hold opens shall have a smoke detector installed on both sides of the doors. The activation of either smoke detector shall release the doors and allow them to close, maintaining the separation. Smoke detection shall be provided in all elevator lobbies, sprinklered shafts, and machine rooms for elevator recall. Where ambient conditions make the use of smoke detection impractical, heat detection may be used. Heat detection shall be provided in all sprinklered elevator shafts, pits, and machine rooms to shunt trip elevator power prior to activation of sprinklers.

The fire alarm system shall monitor all fire suppression flow and tamper switches. Kitchen hood suppression systems provided by the hood supplier shall be monitored by the fire alarm system.

The system shall use white/clear strobes in red or white housing for fire alarm notification devices. All strobes within view of other strobes shall be synchronized. One-piece speaker/strobe notification devices in red or white housing are permitted. Visual notification is required in all public accessible areas in the building, including but not limited to restrooms, corridors, mechanical rooms, assembly areas, kitchens, locker rooms, and conference rooms.

Fire alarm wiring shall be installed in conduit, and wired as Class B.



TRACK & FIELD

Track and Field Layout

The track layout will accommodate both NCAA Track and Field Events as well as Soccer. The track will have nine lanes. Each lane will be 48” wide. The track radius of 35 meters (114’-10”) was selected to allow enough width for a full 70 yard soccer field width. The track will have full runout extensions on all four corners to allow for races to be run on either straightaway and in either direction. This layout provides maximum capacity and maximum versatility for competitions and training. Both D-zones will be surfaced track with room to contain High Jump, Javelin, 2 Discuss/Hammer cages, Shotput and Steeple Chase. Jumping events will be located on the track East perimeter. Moving the jumps out of the track interior allows room for soccer. The pole vault and long/triple jumps area will be fully paved with track surfacing to match track construction. All running, jumping and throwing events are sized and designed to be fully compliant with NCAA size and spacing requirements.

Track Construction

All track surfacing areas are to be constructed with synthetic track surfacing over asphalt. All construction will meet or exceed construction requirements and recommendations of American Sports Builders Association (ASAB). Asphalt paving be placed in two lifts with a total thickness of no less than 3”. Asphalt base will be a minimum thickness of 6” layer of aggregate road base material over compacted native sub-grade soil. The exact thickness of pavement and aggregate base layers will be determined based on geotechnical report data and recommendations. Track surfacing will be poured in place, multi-layered polyurethane. The specifics of track surfacing materials and

finish will be determined based on University representative selection. Track grading will be sloped to maximize surface runoff while complying with maximum slope restrictions from NCAA rules and regulations.

Natural Grass Field Construction

Track interior space will be designed to accommodate both track throwing event landing zones, as well as additional sports activities including soccer and football. The field surface will be natural grass. Analysis of existing native soil or potential fill soils will be conducted by a certified agronomist laboratory and recommendations for field amendments will be provided. Natural grass cultivar will be selected based on local climate, intended use, and University preference. Either sod or stolons will be installed. Grow in methods will be determined based on construction schedule. Football goal post footings will be installed to allow for football goal posts to be installed temporarily.

Drainage

Track and field drainage will be designed to tie in to full site storm drainage system. The drainage system contained within the limits of the track will be sized to accommodate 100 year 2 hour storm unless local code requirements require otherwise. The track and field storm drain system is anticipated to provide conveyance for the track and field only, outside runoff from seating areas or surrounding landscape will not be part of the track system. Detention or retention within the field area is not anticipated but underground storage can be accommodated if required.

Drainage system will consist of surface drain inlets concentrated at the inside edge of the track connected to a collector pipe. A slot drain will be installed on the full interior edge of the track. Additional small surface drain inlets may be installed

in the natural grass at the outside edges, outside of any sports sideline limits. Perimeter collector will be corrugated HDPE pipe will a single field outlet crossing below the track to connect with site drainage outfall.

Irrigation

Natural grass irrigation will be premium sports field quality sprinkler irrigation. All irrigation equipment will be make and model as dictated by University campus standards. Gear driven rotor sprinklers will be spaced to provide uniform coverage with minimal over spray onto the track. Sprinkler heads will have a throw radius between 55’-65’. Remote control valves will be installed in composite plastic boxes located in the interior of the track edge outside of the sports field sidelines. A dedicated irrigation controller will be installed outside of the track area. The irrigation Controller will be integrated into campus central control irrigation system if required. Mainline connection flow and pressure will be coordinated with on site utilities. If existing water pressure is lower than 70 psi downstream of backflow preventers than a booster pump will be designed and installed. The booster pump will prefabricated with steel skid and enclosure. The pump will be equipped with a Variable Frequency Drive (VFD), Programmable Logic Controller (PLC), and remote access monitoring.

Electrical and Comm Access

Power and communication systems access can be provided within the track and field area. Locations of access boxes will be coordinated with University representatives and electrical/AV engineers. Access point locations are to be determined with track and field events, soccer/football needs and concert/event needs considered. All access points are to be provided with in-ground boxes. Above grade pedestals are not recommended in the track

area for athlete safety. No access boxes will be installed within active use areas on the track or within the sideline area of the field.

Future Considerations for Synthetic Turf Conversion

The University has indicated that the track interior will be converted from natural grass to synthetic turf for use by future Women’s Soccer Program. The following items will be considered during design to simplify the conversion process for synthetic turf.

Javelin throwing events are not recommended for synthetic turf. Javelin events within the track will need to be relocated to an alternate location after synthetic turf is install. The existing javelin area will be retained to allow future events. Discuss throwing events can be accommodated with synthetic turf but hammer throw is not recommended. Existing hammer throw locations will be retained to allow for future events.

Storm water runoff is increased when converting from natural grass to a synthetic turf surface due to lower water infiltration rates. The initial installation of the drainage collector pipe and outfall will be sized to accommodate the larger flows of synthetic turf field.

Synthetic turf fields can be installed with sprinkler cooling systems. The natural grass irrigation system will be designed in a manner that will allow it to be converted to synthetic turf cooling system with minimal construction and equipment changes. The irrigation mainline and pump station will be slightly increased in size to account for higher flow and pressure demands of turf cooling systems.





Conceptual Rendering

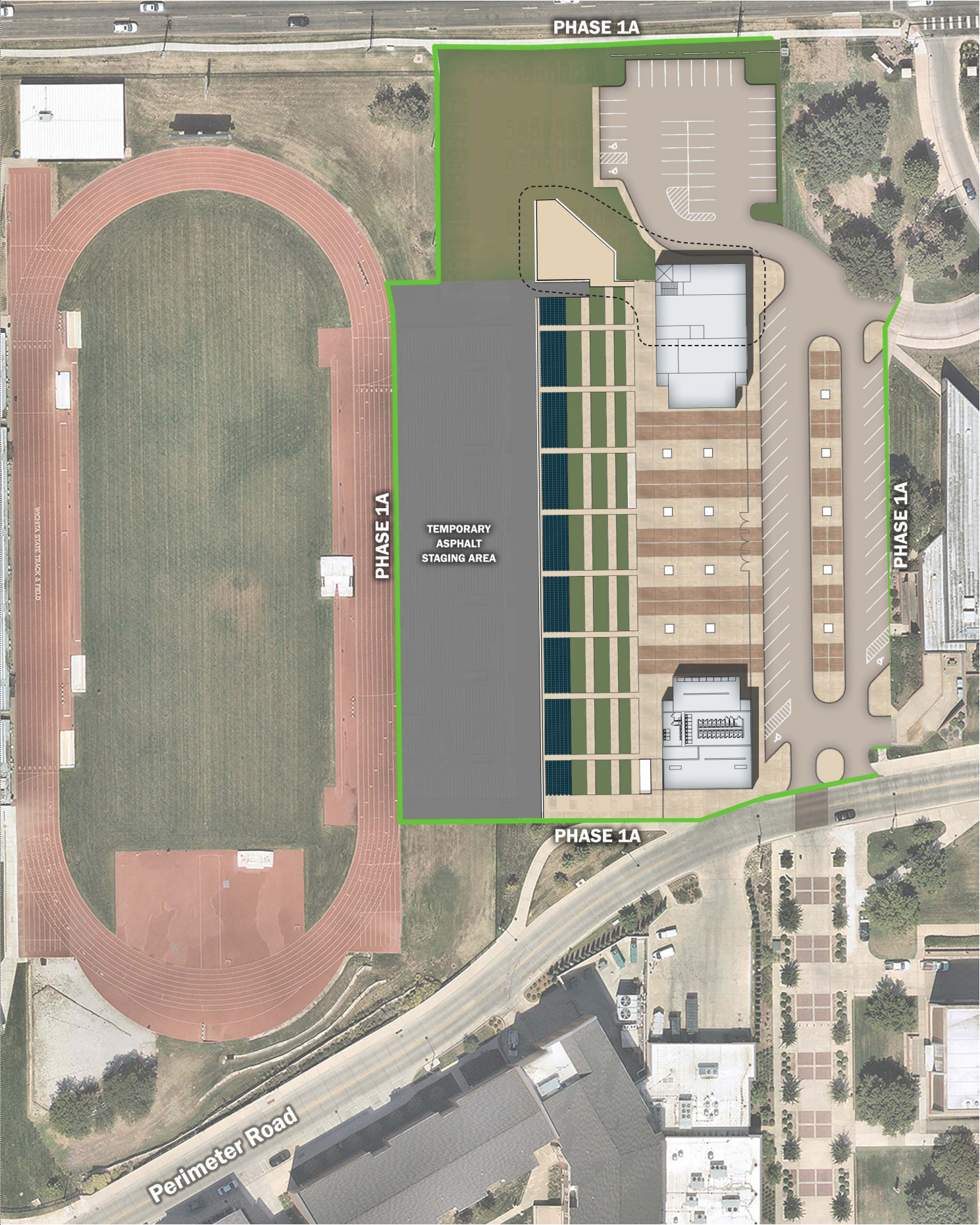
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## Site Plan





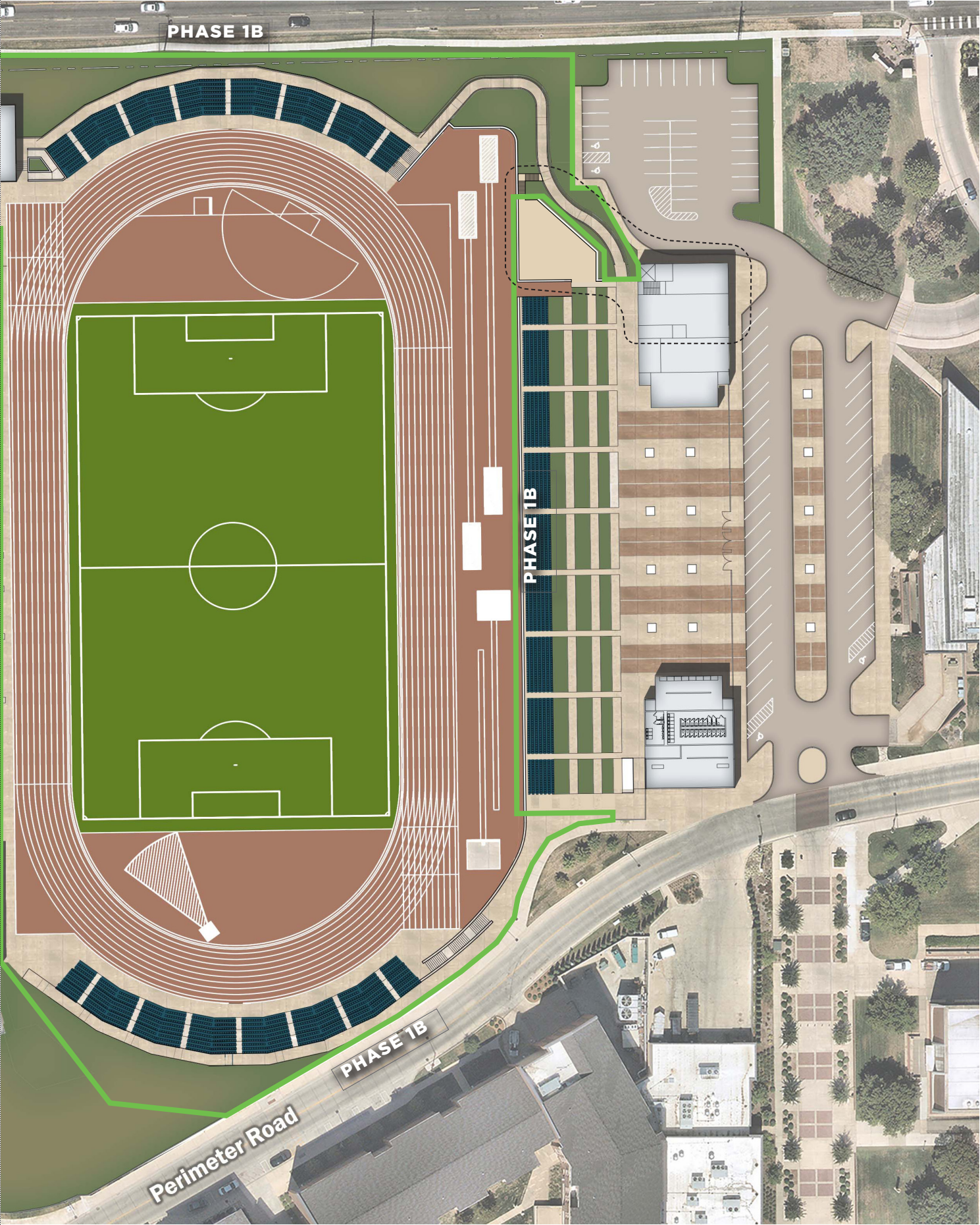
\*Indicates areas dependent on fundraising



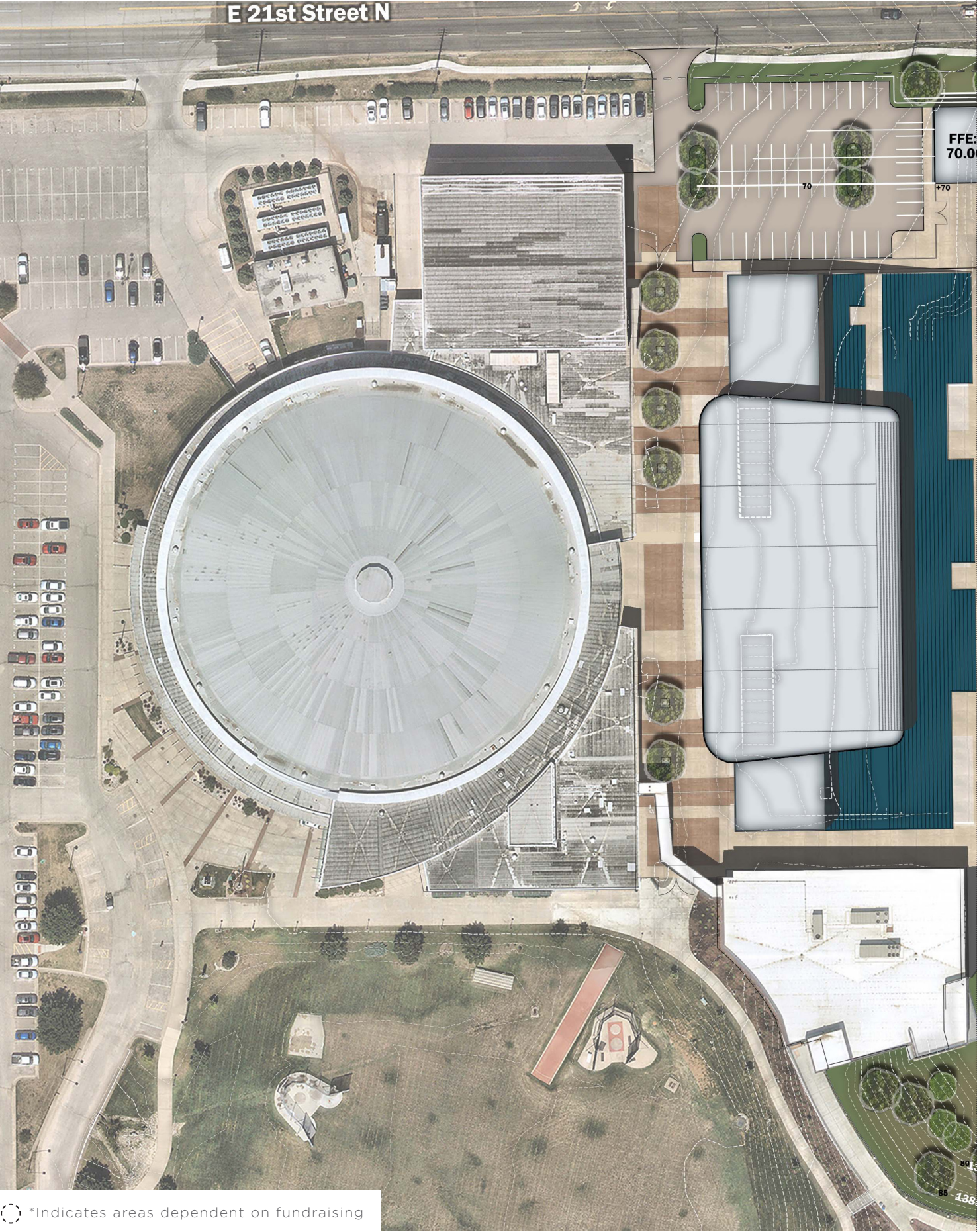




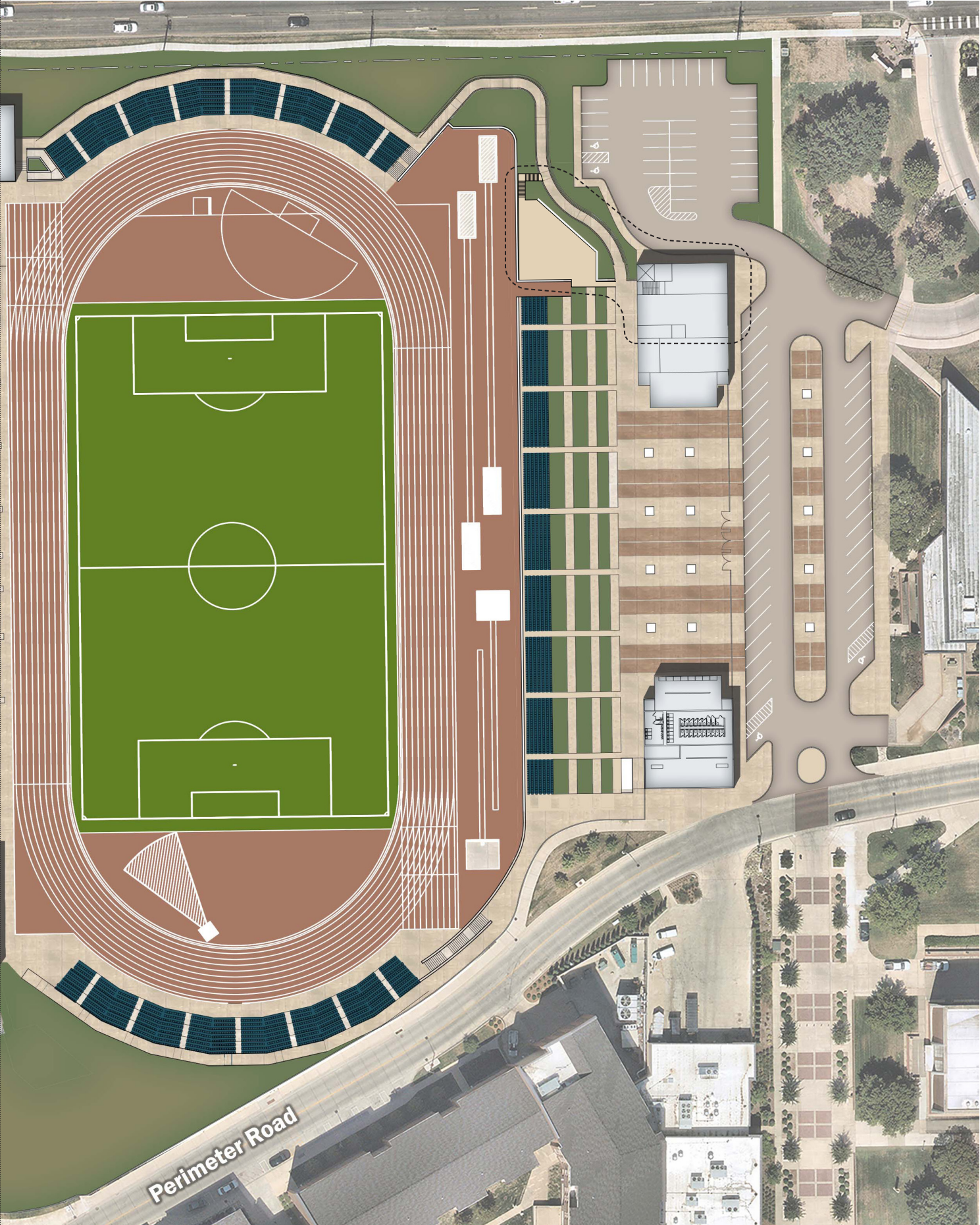
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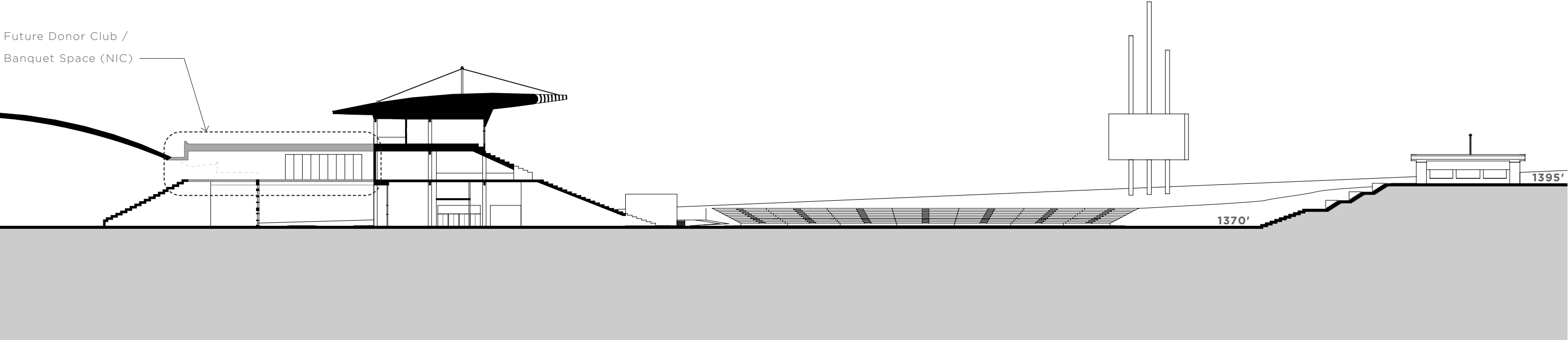


\*Indicates areas dependent on fundraising





Site Section



 \*Indicates areas dependent on fundraising

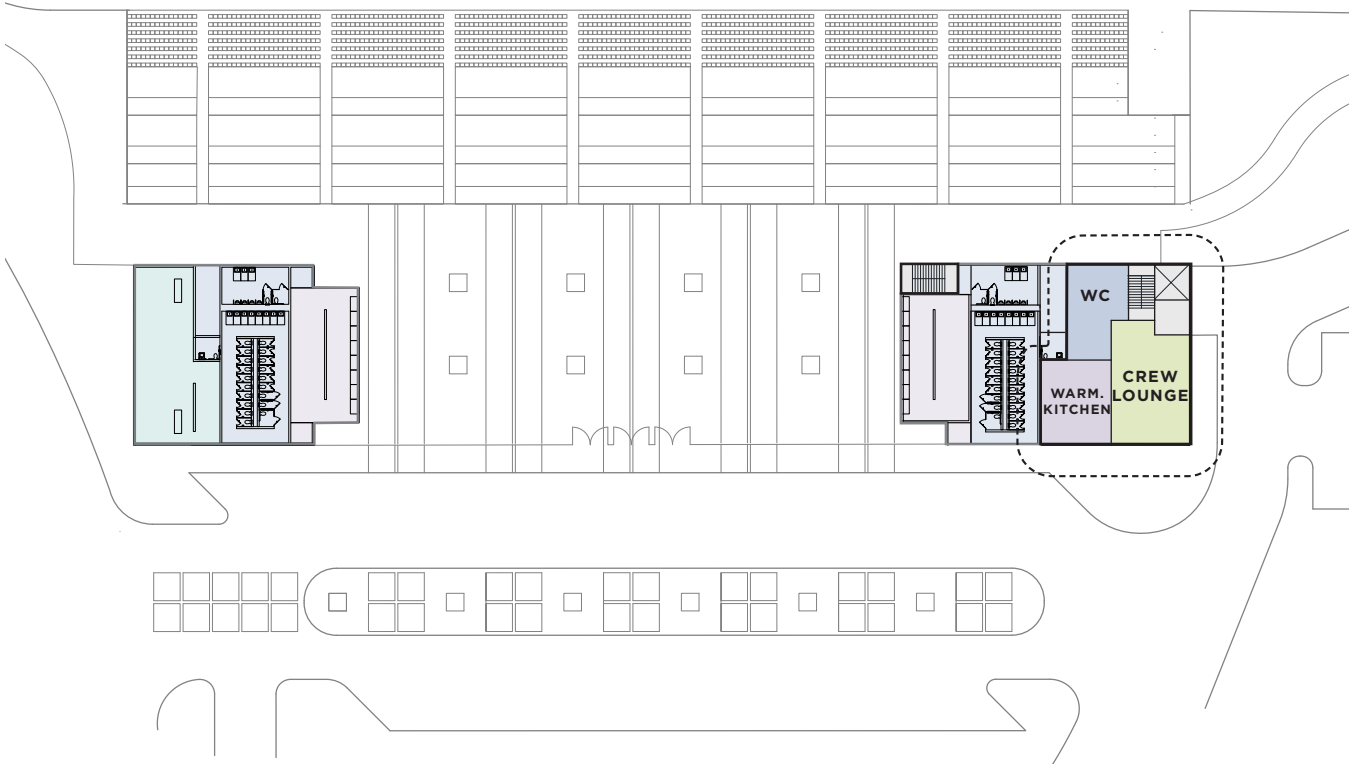


*Conceptual Rendering*

## Floor Plans

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Phase 1a: East Side Pavilions - Plaza Level

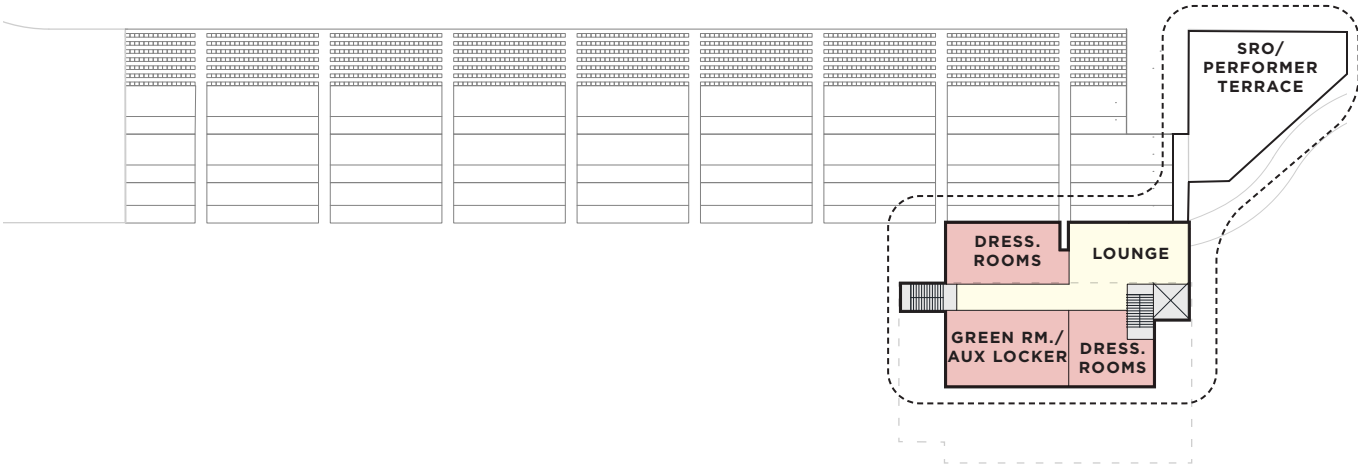


NEW CONSTRUCTION		NSF	SEATS
SPECTATOR AREAS	KITCHEN	700	
	CREW LOUNGE	1,100	
	CREW RESTROOMS/SHOWERS	600	

 \*Indicates areas dependent on fundraising

GROSS FLOOR AREA (INCL SEATING)	2,400	
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Phase 1a: East Side Pavilions - Intermediate Level



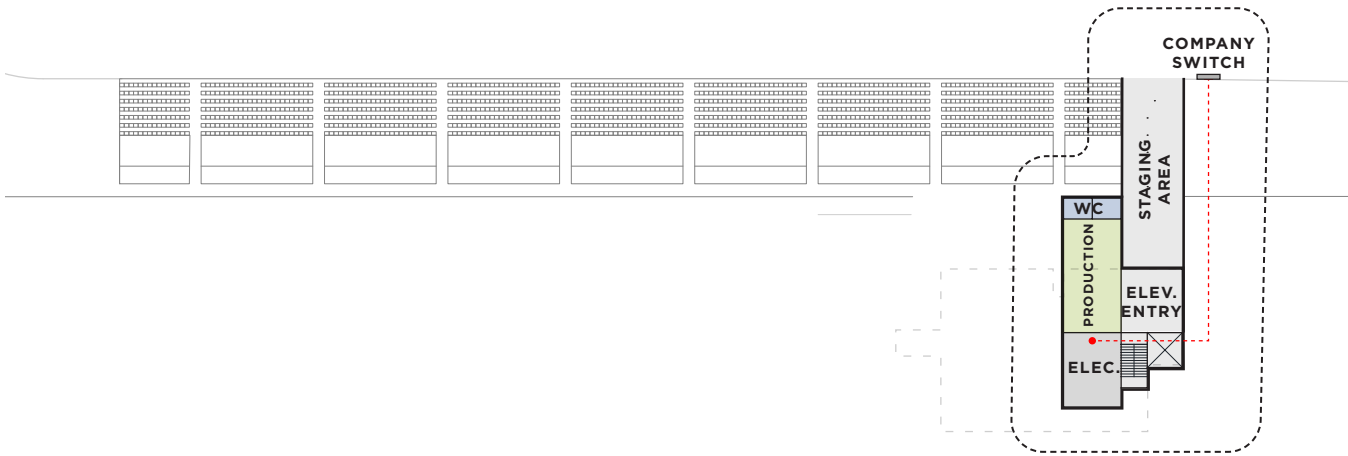
NEW CONSTRUCTION		NSF	SEATS
PRESS/SPECTATOR	DRESSING ROOMS	1,500	
	GREEN ROOM/ AUXILIARY LOCKER ROOM	1,100	
	PERFORMER LOUNGE	1,400	

 \*Indicates areas dependent on fundraising

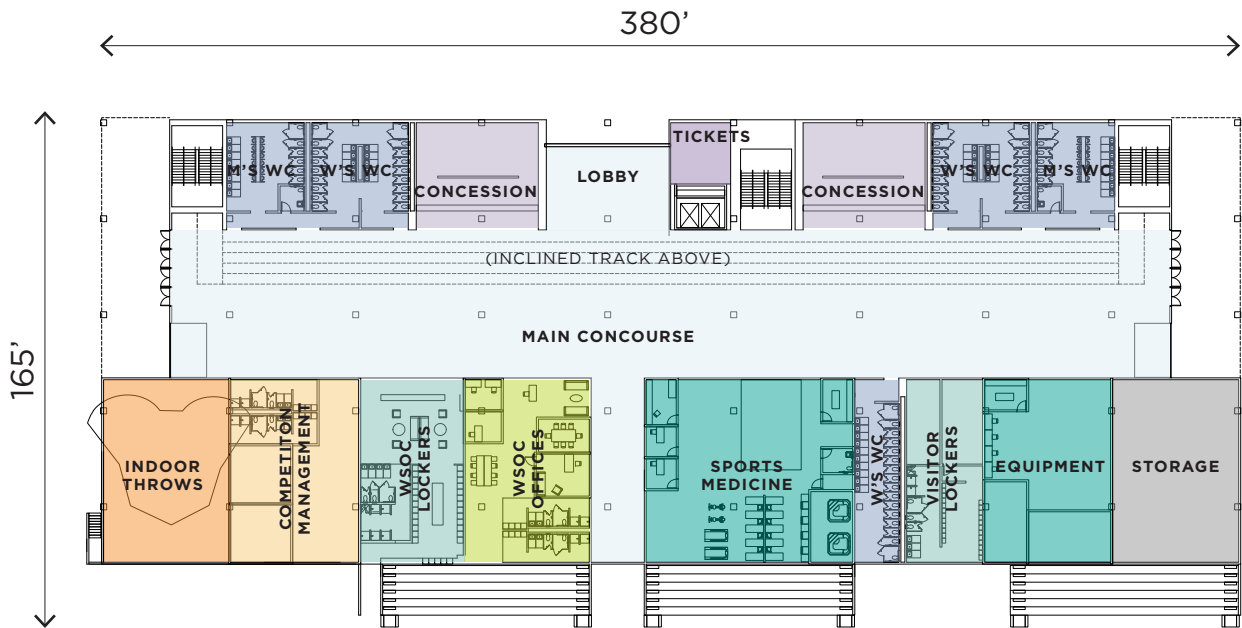
GROSS FLOOR AREA (INCL SEATING)	4,000	
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Phase 1a: East Side Pavilions - Event Level



Phase 2: West Side - Field Level



	NEW CONSTRUCTION	NSF	SEATS
SPECTATOR AREAS	PRODUCTION WORKROOM	750	
	RESTROOMS	150	
	ELECTRICAL ROOM	500	
	ELEVATOR ENTRY	450	

 \*Indicates areas dependent on fundraising

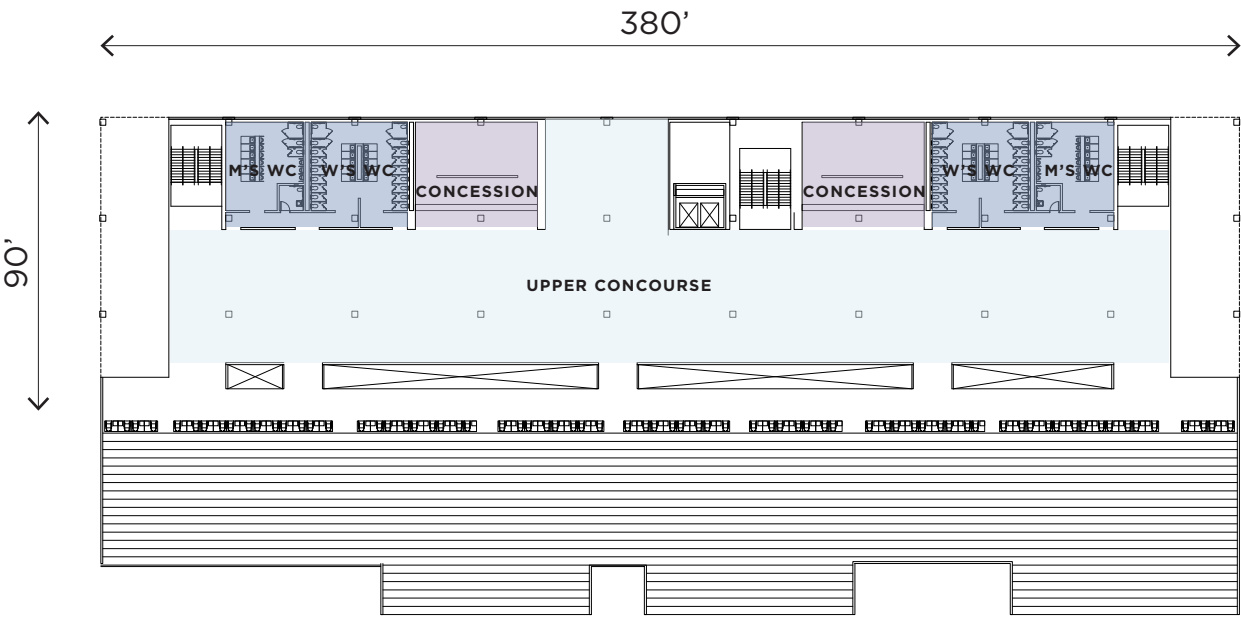
GROSS FLOOR AREA (INCL SEATING)	52,500	
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	NEW CONSTRUCTION	NSF	SEATS
SPECTATOR AREAS	LOBBY / HALL OF FAME	1,200	
	CONCOURSE	16,400	
	RESTROOMS	4,400	
	CONCESSIONS	2,400	
	TICKETING	400	
	WEST SIDE LOWER BOWL		4,000

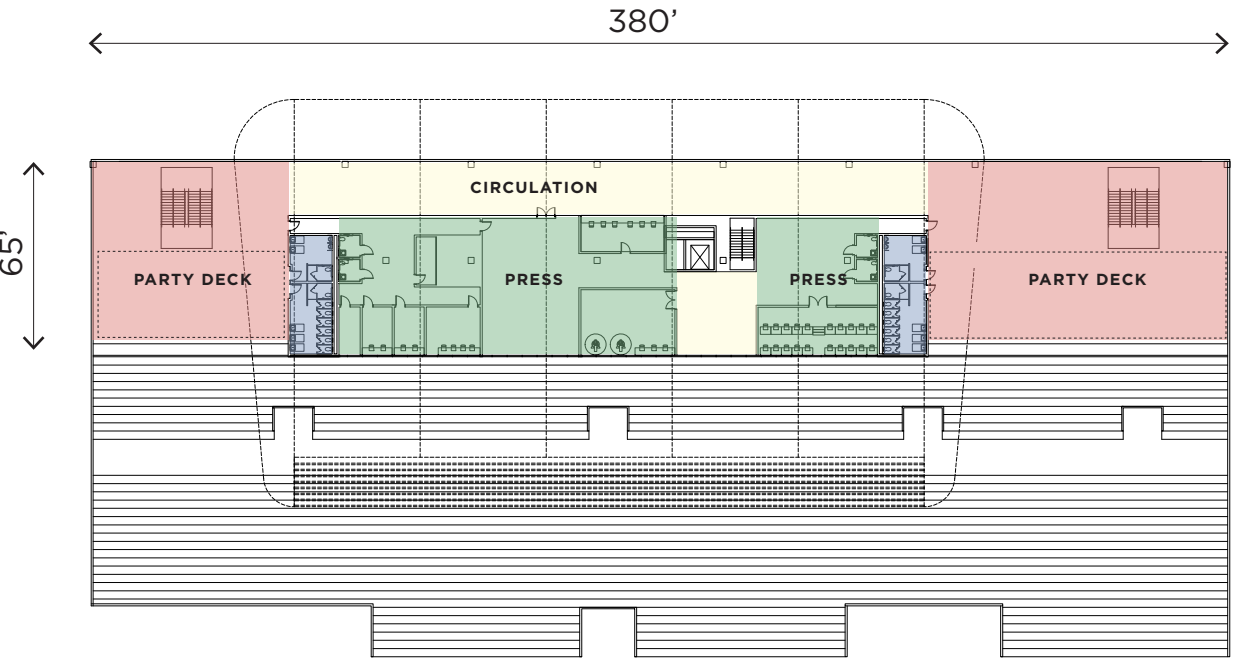
TEAM AREAS	WSOC TEAM FACILITIES (INCL. TEAM ADMIN.)	4,600	
	EQUIPMENT + STORAGE	5,000	
	ATHLETIC TRAINING / HYDROTHERAPY	4,200	
	INDOOR PRACTICE AREA	2,500	
	COMPETITION MANAGEMENT	2,500	

GROSS FLOOR AREA (INCL SEATING)	56,150	4000
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Phase 2: West Side - Upper Concourse



Phase 2: West Side - Press Level



NEW CONSTRUCTION		NSF	SEATS
SPECTATOR AREAS	CONCOURSE	14,400	
	RESTROOMS	3,600	
	CONCESSIONS	2,400	
	WEST SIDE UPPER BOWL		2,300

NEW CONSTRUCTION		NSF	SEATS
PRESS/SPECTATOR	PRESS AREAS	4,200	
	RESTROOMS	1,100	
	PARTY DECKS	10,000	
	SPECTATOR SRO		260

GROSS FLOOR AREA (INCL SEATING)	52,500	2300
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GROSS FLOOR AREA (INCL SEATING)	31,000	260
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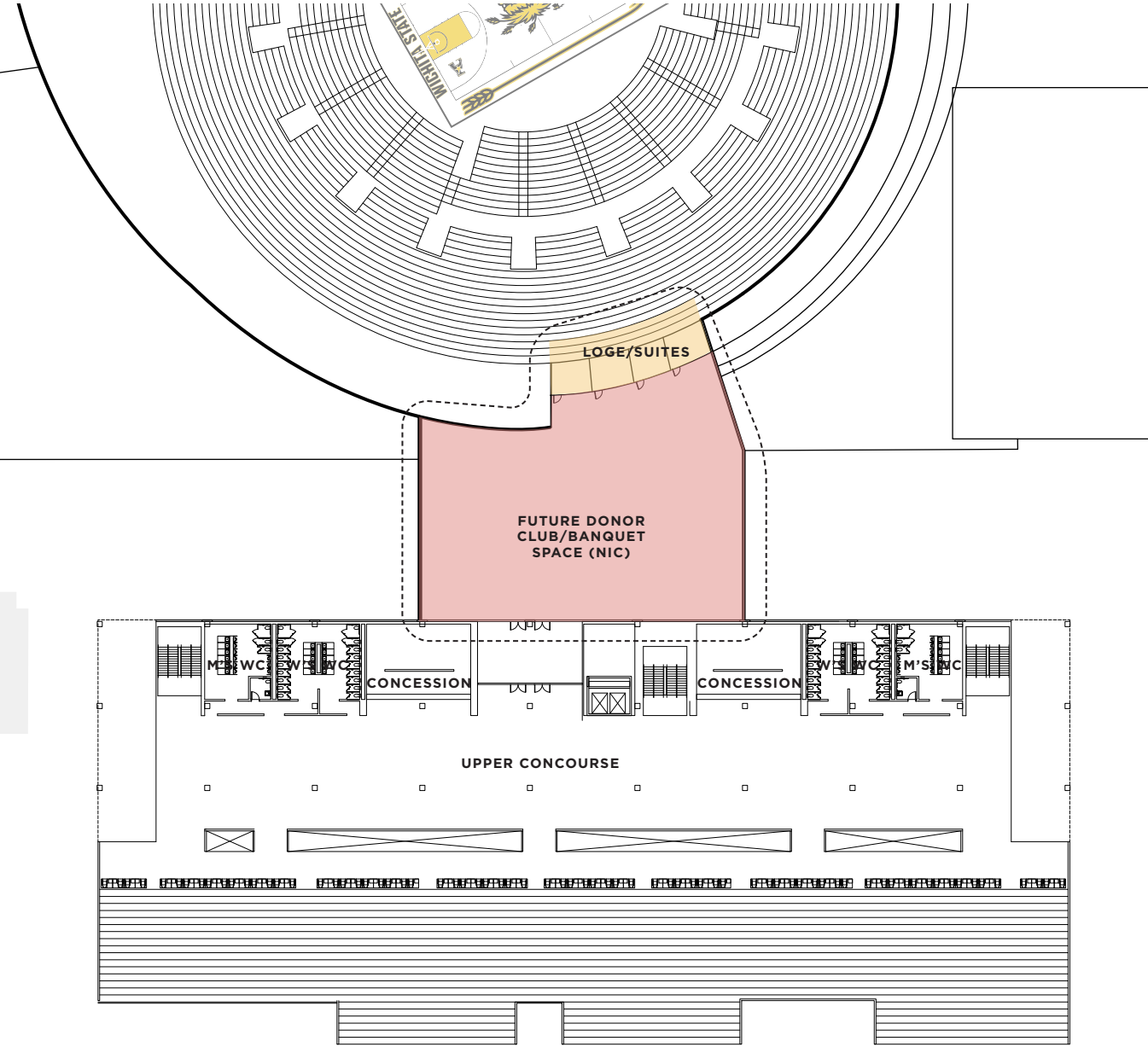


Future Addition: Donor Club/Banquet Opportunity (NIC)

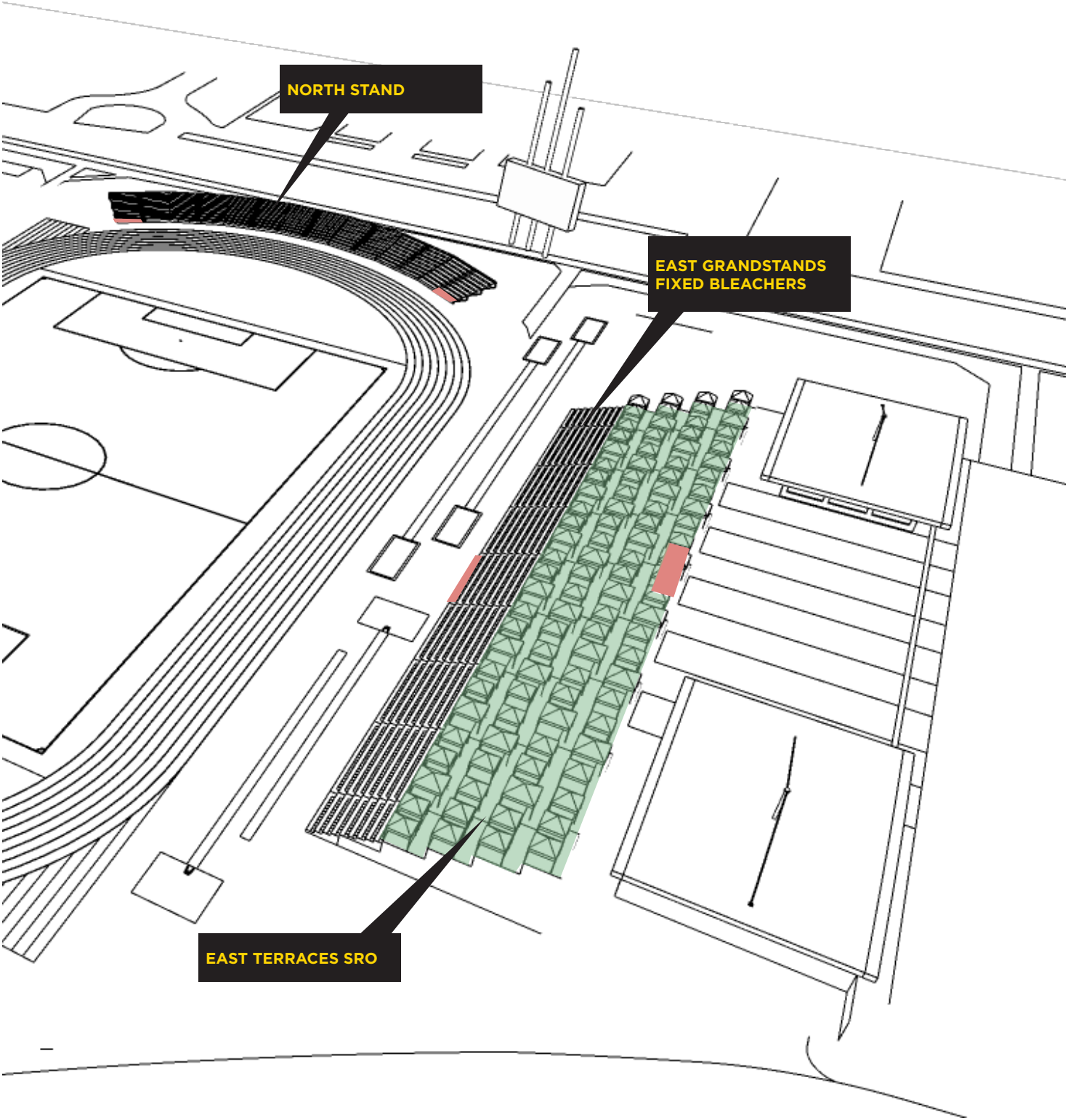
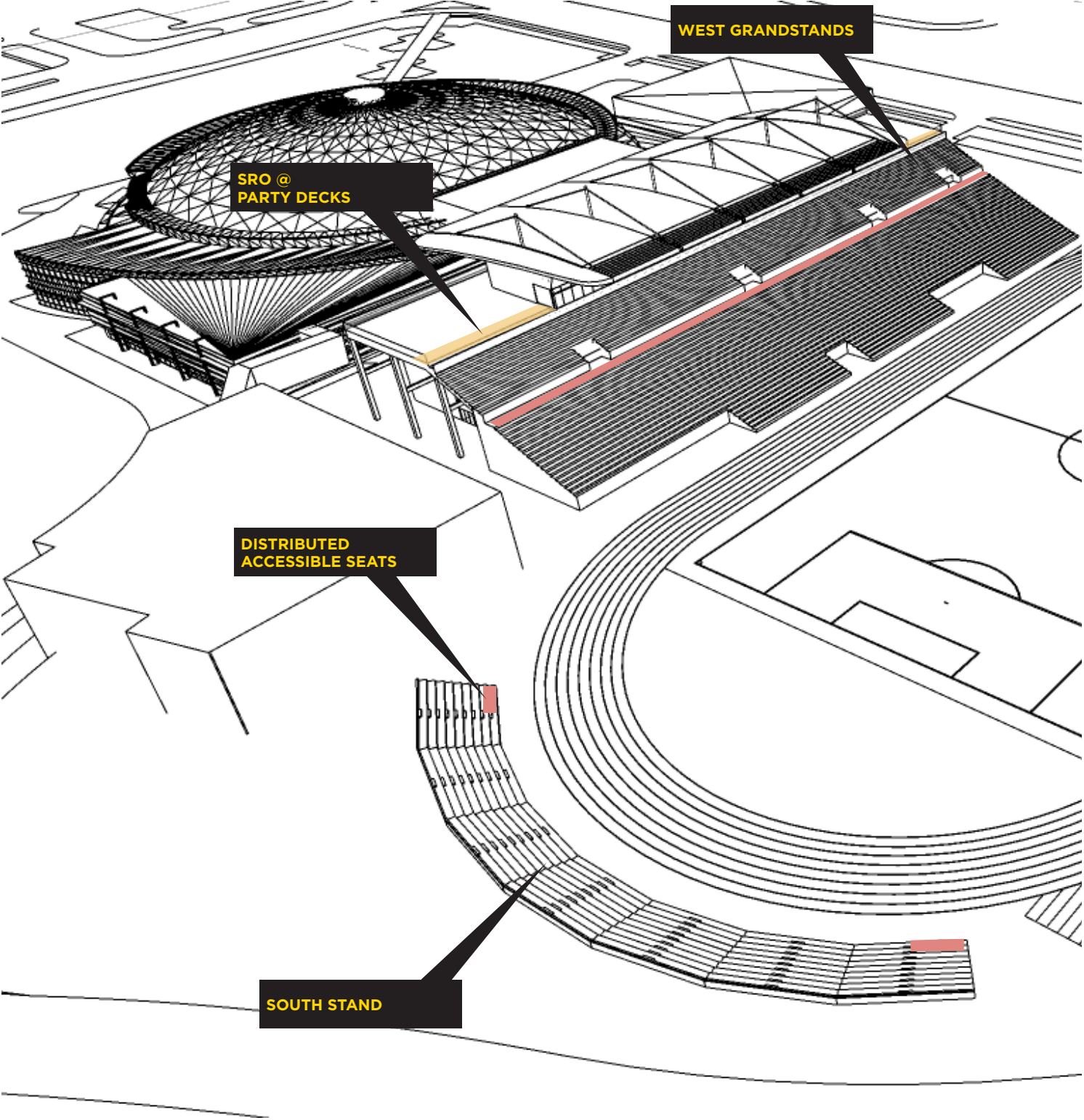
PRESS/SPECTATOR	NEW CONSTRUCTION		NSF	SEATS
	DONOR CLUB		9000	
	LOGE/SUITES		2500	

Note: The Arena/Stadium connection is proposed as a separate project and not in the scope of this project. Phase 2 building systems are designed for the addition of the Donor Club/Banquet Space to be added at a future date.

GROSS FLOOR AREA (INCL SEATING)		11,500
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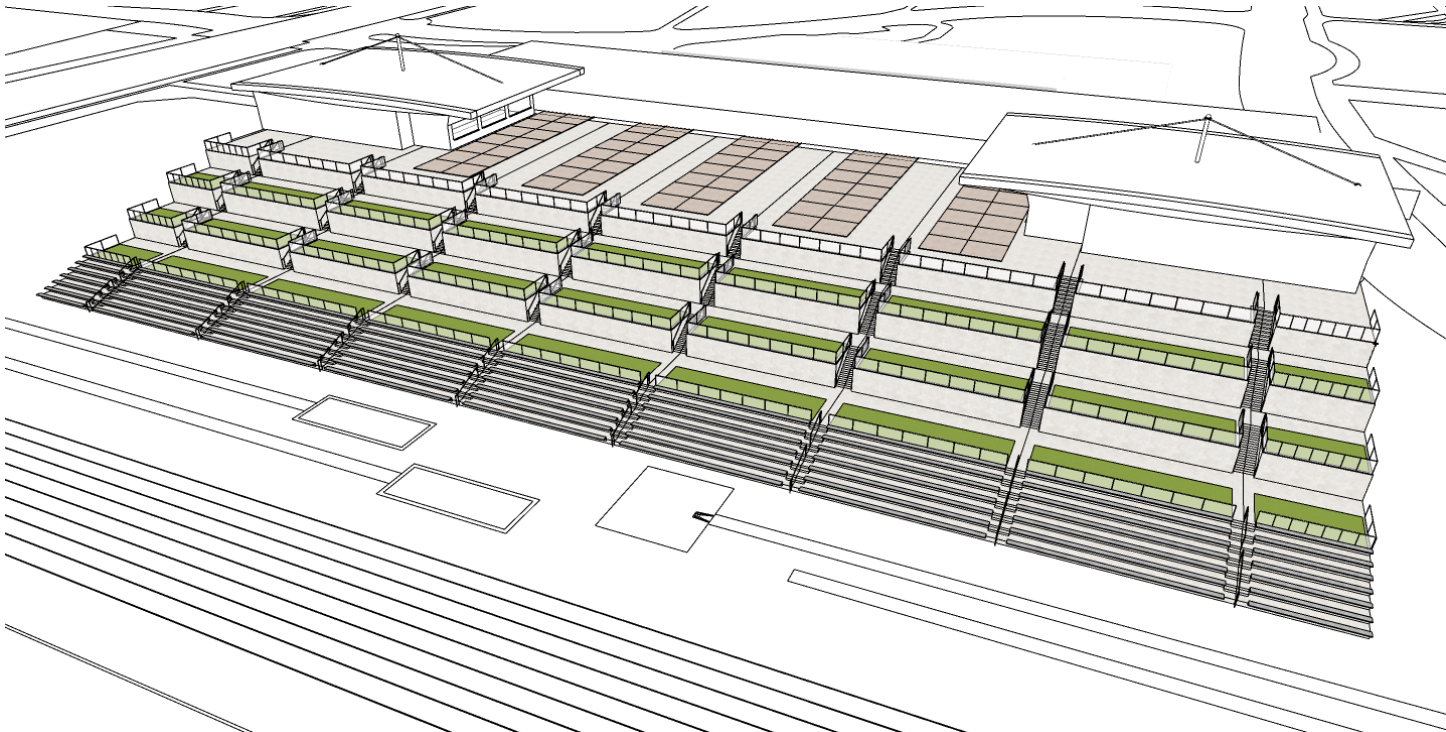
Spectator Seating / SRO



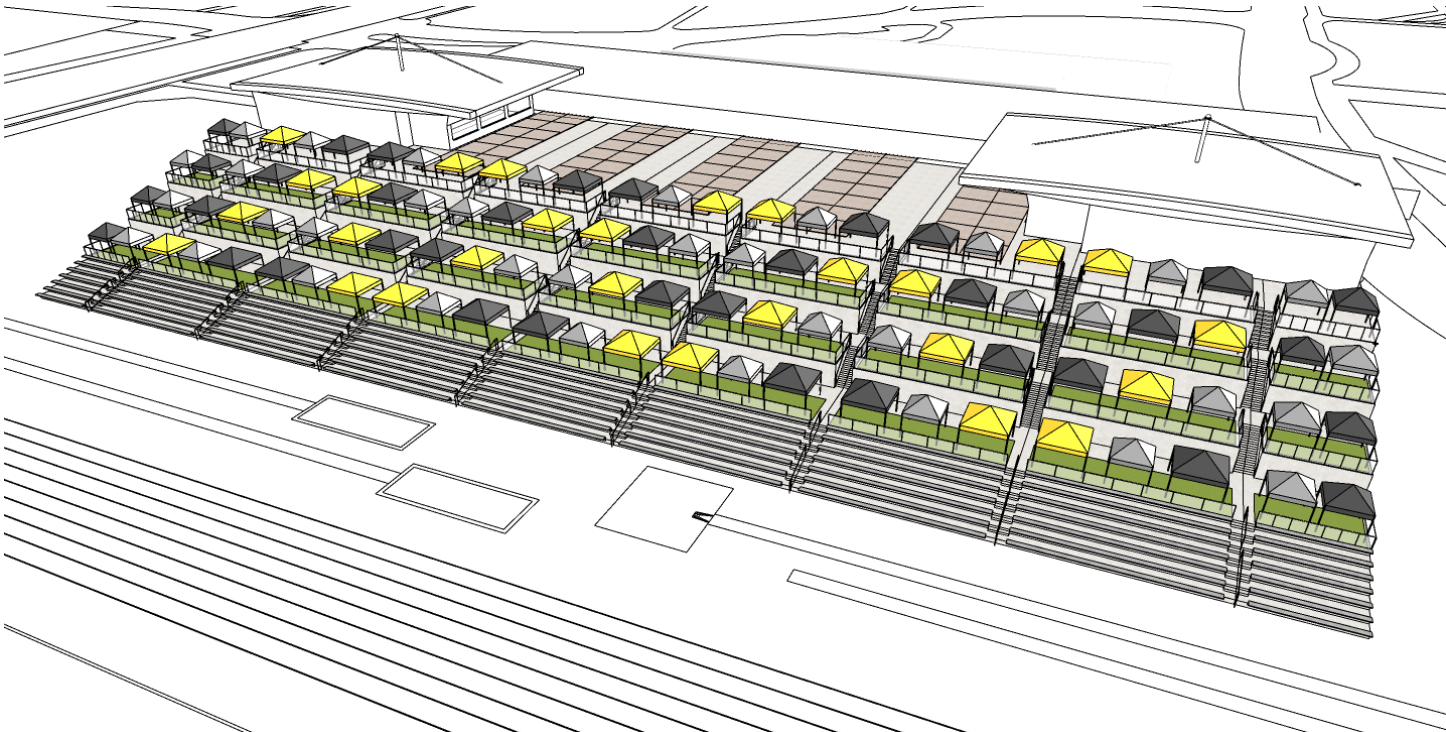
**SEAT COUNT APPROX. TOTAL** 12,500 - 14,000



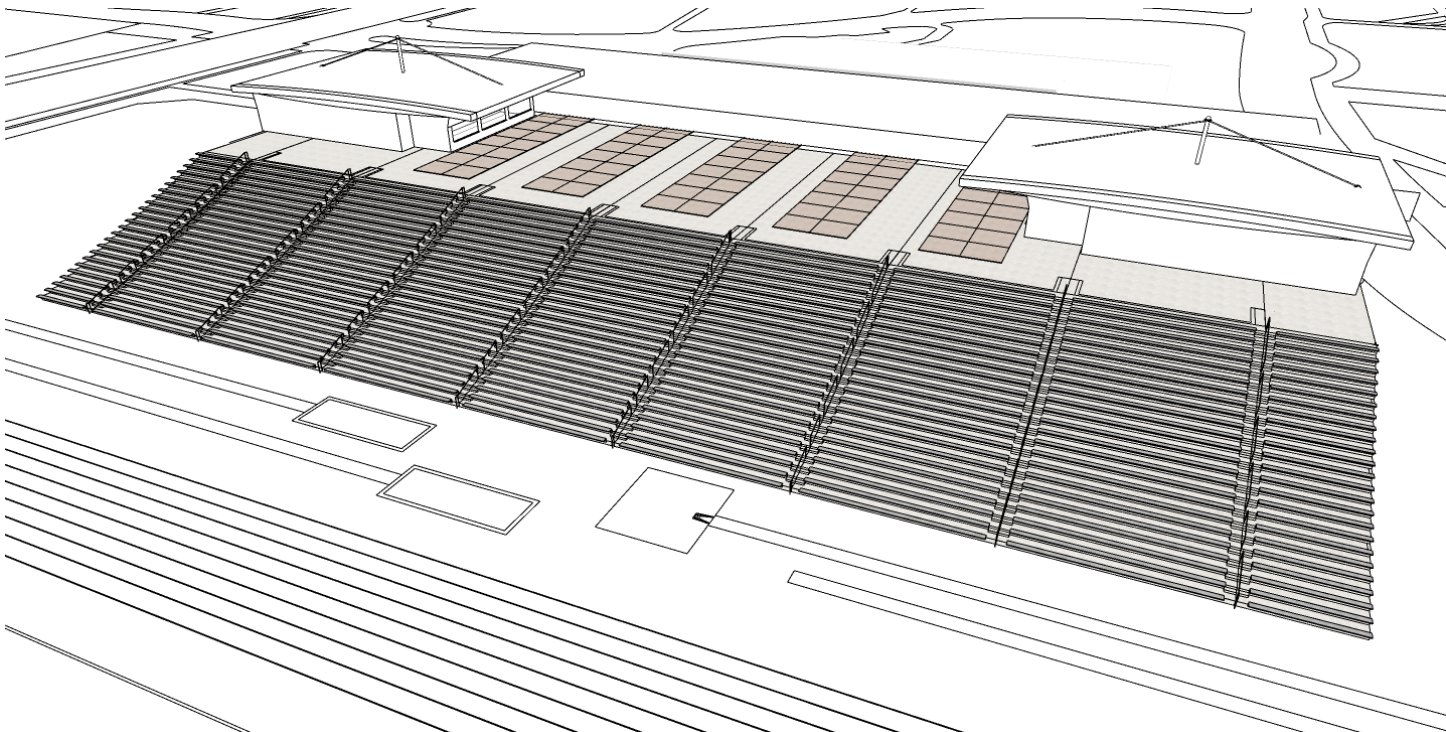
Spectator Seating - East Side



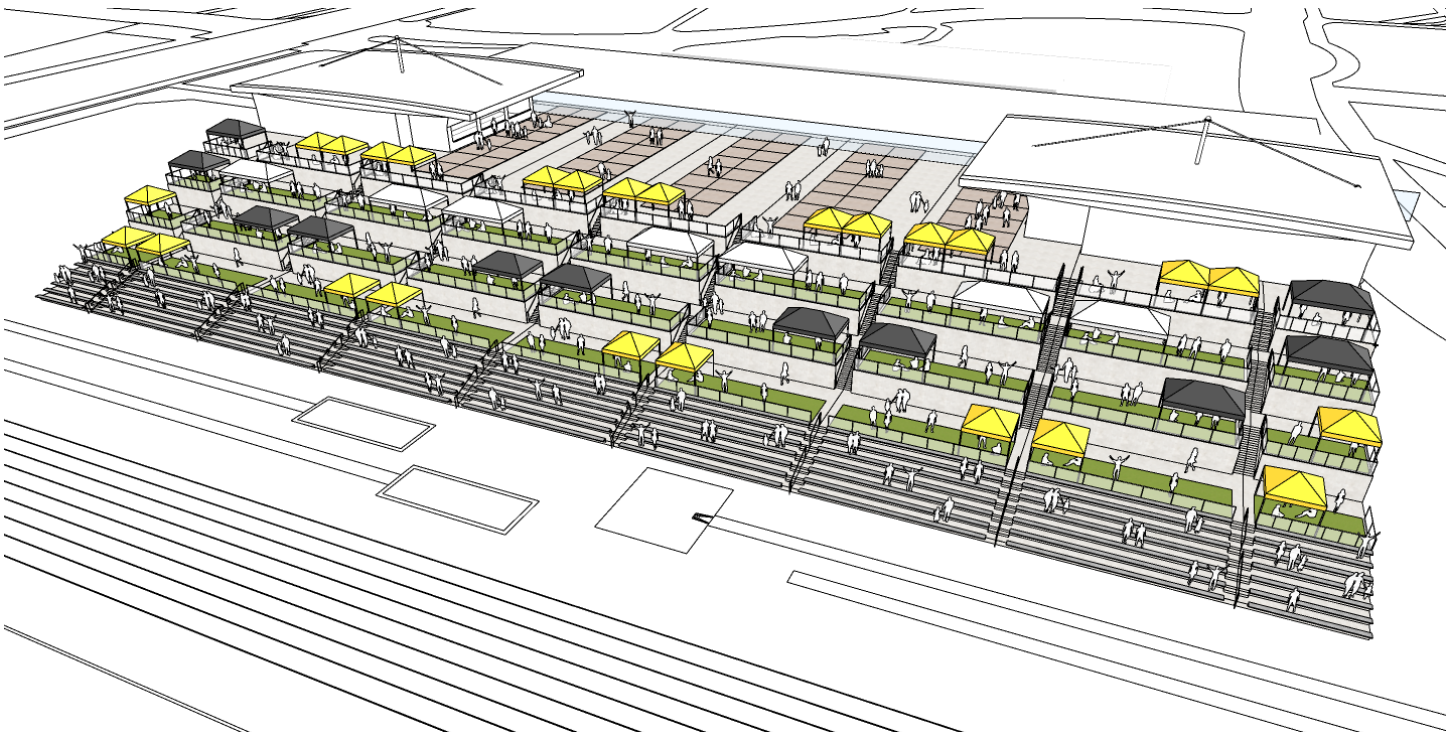
East Side with Bleachers and Terraces



Opportunity for Festival of Tents during Track Meets



East Side with Terraces infilled with Bleachers



Opportunity for Festival of Tents during Track Meets





*Conceptual Rendering*

## Project Budget

6



PROJECT BUDGET CONSTRUCTION COST DETAIL

WSU Stadium Cost Estimate Worksheet

Demolition		
West Stadium	\$	850,000
Subtotal	\$	850,000
Phase 1A		
NE Concession Restroom Bldg	\$	1,245,776
SE Concesssion Restroom Bldg	\$	1,245,776
Earthwork & Utilities	\$	1,206,728
Fencing East Side	\$	126,168
Stadium Lighting	\$	275,000
East Pavement	\$	530,546
Seating East Side	\$	591,965
Landscape Budget	\$	50,000
Subtotal	\$	5,271,959
Phase 1B		
Fencing North & South Side	\$	90,120
Seating North Side	\$	428,845
Seating South Side	\$	428,845
North & South Pavement	\$	116,754
Track - Full Urethane System	\$	1,500,000
Natural Grass Soccer Field (Native Soil)	\$	525,000
Allowance for Vertical Ext Branding Element	\$	200,000
Subtotal	\$	3,289,564
Concert Event Venue Costs Phase 1A & 1B		
Bus & RV Area	\$	1,036,092
Fencing	\$	235,200
Earthwork & Utilities & Substructure	\$	996,118
Freight Elevator	\$	119,487
Facility Shell	\$	821,474
Facilty TI	\$	2,388,063
Throwing Area	\$	434,851
Pavement and Retaining Wall	\$	152,872
Subtotal	\$	6,184,157
Phase 2		
West Stadium & Seating	\$	36,693,489
Storage Shed 1,000 SF	\$	192,260.40
West Pavements	\$	543,175
Stadium Lighting	\$	275,000
Fencing	\$	42,410
Site Utilities	\$	213,987
Subtotal	\$	37,960,321

PROJECT BUDGET COST BY PHASE / OTHER PROJECT COSTS

Construction Costs		
Phase 1A	\$	5,271,959
Phase 1B	\$	3,289,564
Subtotal	\$	8,561,523
Phase 2	\$	37,960,321
Demolition West Stadium	\$	850,000
Subtotal	\$	38,810,321
Phase 1A&1B	\$	8,561,523
Phase 2	\$	38,810,321
Concert Event Venue Items	\$	6,184,157
Subtotal Construction Costs	\$	53,556,001
Other Stadium Costs		
(2) Double Sided Pole Vault Pit	\$	120,000
New Video Board	\$	700,000
Field Covering *(Dependent upon concert event scope)	\$	450,112
Stage Screens *(Dependent upon concert event scope)	\$	350,000
Subtotal Other Stadium Costs	\$	1,620,112
Project Soft Costs		
Telecom (WiFi & DAS)	\$	6,000,000
AV & Broadcast	\$	6,200,000
Furniture & Equipment	\$	1,000,000
AE and State Fees / Survey / Permitting	\$	4,238,476
Fundraising Costs at 5%	\$	1,764,594
Construction Testing and Commissioning	\$	363,444
Moving Costs	\$	56,000
Branding / Graphics / Signage	\$	500,000
Misc Costs	\$	50,000
Printing	\$	16,240
Subtotal Soft Costs	\$	20,188,754
Project Summary		
Construction Costs	\$	53,556,001
Other Stadium Costs	\$	1,620,112
Project Soft Costs	\$	20,188,754
Owner's Project Contingency	\$	2,677,800
Total Project Costs	\$	78,042,667





Conceptual Rendering

# Project Schedule & Delivery





PROJECT SCHEDULE Ph. 1A+B DESIGN & CONSTRUCTION & Ph.2 DESIGN

1	KSHSAA Track Meet Schedule	527 days	Fri 5/26/23	Sat 5/31/25
2	State Track Meet 2023	2 days	Fri 5/26/23	Sat 5/27/23
3	State Track Meet 2024	2 days	Fri 5/24/24	Sat 5/25/24
4	State Track Meet 2025	2 days	Fri 5/30/25	Sat 5/31/25
5	Schematic Design	40 days	Mon 4/3/23	Fri 5/26/23
6	Program Review & Concept Design	0 days	Thu 3/30/23	Thu 3/30/23
7	Program Submittal to KBOR	0 days	Fri 5/19/23	Fri 5/19/23
8	Design Development (Phases 1A & 1B)	30 days	Tue 5/30/23	Mon 7/10/23
9	DD Cost Estimate to Meredith	0 days	Wed 5/31/23	Wed 5/31/23
10	DD Submit to State	0 days	Mon 7/3/23	Mon 7/3/23
11	DD Review Meeting (100%)	0 days	Mon 7/10/23	Mon 7/10/23
12	Demolition of East Bleachers	93 days	Wed 3/29/23	Fri 8/4/23
13	Advertisement in Kansas Register	0 days	Wed 3/29/23	Wed 3/29/23
14	Advertisement appears in Kansas Register	0 days	Thu 4/6/23	Thu 4/6/23
15	Pre-Bid Meeting	0 days	Mon 4/10/23	Mon 4/10/23
16	Substitutions Due	0 days	Mon 4/10/23	Mon 4/10/23
17	Final Addendum	0 days	Thu 4/13/23	Thu 4/13/23
18	Bid Date	0 days	Thu 4/20/23	Thu 4/20/23
19	Demolition	50 days	Mon 5/29/23	Fri 8/4/23
20	Construction Documents (Phase 1A & 1B)	70 days	Tue 7/11/23	Mon 10/16/23
21	50% Milestone issued to WSU & State	0 days	Wed 8/9/23	Wed 8/9/23
22	50% Review Meeting	0 days	Mon 8/14/23	Mon 8/14/23
23	50% Cost Estimate to Meredith	0 days	Mon 8/21/23	Mon 8/21/23
24	Code Footprint (Phase 1 & Phase 2) Submitted	0 days	Mon 8/21/23	Mon 8/21/23
25	90% Milestone issued to WSU	0 days	Wed 9/13/23	Wed 9/13/23
26	90% Review Meeting with WSU	0 days	Mon 9/18/23	Mon 9/18/23
27	100% Milestone issued to WSU & State	0 days	Mon 10/2/23	Mon 10/2/23
28	100% Review Meeting with WSU	0 days	Mon 10/9/23	Mon 10/9/23
29	Certified Final	0 days	Mon 10/16/23	Mon 10/16/23
30	Bidding	0 days	Mon 10/16/23	Mon 10/16/23
31	Bidding (Phase 1A & 1B)	25 days	Mon 10/23/23	Fri 11/24/23
32	Advertisement in Kansas Register	0 days	Mon 10/23/23	Mon 10/23/23
33	Advertisement appears in Kansas Register	0 days	Tue 10/31/23	Tue 10/31/23
34	Pre-Bid Meeting	0 days	Tue 11/7/23	Tue 11/7/23
35	Substitutions Due	0 days	Tue 11/14/23	Tue 11/14/23
36	Final Addendum	0 days	Fri 11/17/23	Fri 11/17/23
37	Bid Date	0 days	Fri 11/24/23	Fri 11/24/23
38	Construction (Phase 1A & 1B)	271 days	Fri 12/8/23	Fri 12/20/24
39	Construction - Phase 1A	131 days	Fri 12/8/23	Mon 5/20/24
40	Construction - Phase 1B	136 days	Fri 6/14/24	Fri 12/20/24
41	Design Development (Phase 2)	47 days	Tue 7/11/23	Wed 9/13/23
42	DD Submit to State	0 days	Tue 9/5/23	Tue 9/5/23
43	DD Review Meeting (100%)	0 days	Wed 9/13/23	Wed 9/13/23
44	Construction Documents (Phase 2)	102 days	Fri 10/20/23	Mon 3/11/24
45	50% Milestone issued to WSU & State	0 days	Wed 12/6/23	Wed 12/6/23
46	50% Review Meeting	0 days	Mon 12/18/23	Mon 12/18/23
47	50% Cost Estimate to Meredith	0 days	Fri 12/22/23	Fri 12/22/23
48	Code Footprint Update	0 days	Fri 12/22/23	Fri 12/22/23
49	90% Milestone issued to WSU	0 days	Wed 1/31/24	Wed 1/31/24
50	90% Review Meeting with WSU	0 days	Mon 2/5/24	Mon 2/5/24
51	100% Milestone issued to WSU & State	0 days	Mon 2/19/24	Mon 2/19/24
52	100% Review Meeting with WSU	0 days	Mon 2/26/24	Mon 2/26/24
53	Certified Final	0 days	Mon 3/4/24	Mon 3/4/24
54	Bidding *Dependent upon Fundraising	0 days	Mon 3/11/24	Mon 3/11/24

Project: WSU Stadium Schedule  
Date: Thu 5/4/23

Task Split

Milestone Summary

Project Summary

Inactive Milestone

Inactive Task

Inactive Summary

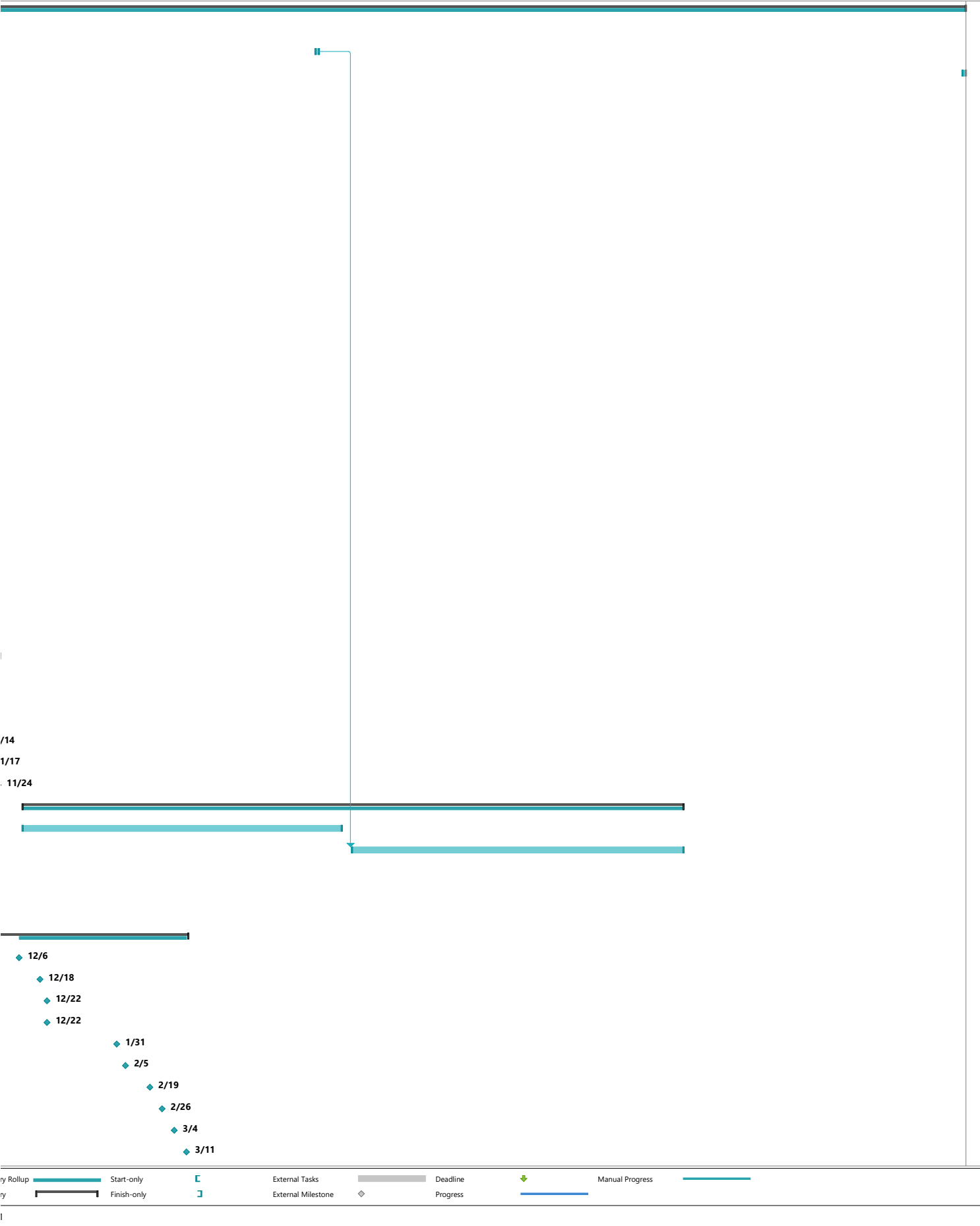
Manual Task

Manual Summary

Manual Summary

Page 1

DELIVERY METHOD DESIGN-BID-BUILD







*Conceptual Rendering*

# Tabulated Program

8



WSU TRACK & FIELD AND SOCCER COMPLEX							
CLASSIFICATION: SPECTATOR FACILITIES							
Space Type	Room Name	Recommended Program					
		Room Count	Units	NSF	Total NSF	Total GSF (x1.3)	Comments
Spectator Seating	West Upper Bowl	1	2,264	5.5	12,452	12,452	18" min width on 33" tread
	West Lower Bowl	1	4,012	5.5	22,066	22,066	18" min width on 33" tread
	East Bowl	1	5,079	5.5	27,935	27,935	
	North Bowl	1	1,260	5.5	6,930	6,930	
	South Bowl	1	1,260	5.5	6,930	6,930	
	Wheelchair & Companion Seating	1	100	18	1,800	1,800	~1/2% wheelchair + 1 companion seat, distributed
	SUB-TOTAL SPECTATOR SEATING		13,975		78,113	78,113	
Spectator Areas	Women's Toilet	1	130	55	7,150	9,295	W.C ratio 1/40(first 1520)+ 1/60 remaining, lav ratio 1/150
	Men's Toilet	1	66	55	3,630	4,719	W.C ratio 1/75(first 1500)+ 1/120 remaining, lav ratio 1/200
	Family Toilet	1	4	75	300	390	
	Single User Toilet	1	4	75	300	390	
	Janitorial	1	2	40	80	104	
	Mother's Room	1	1	100	100	130	
	Hall of Fame						within circulation spaces. distributed
	SUB-TOTAL SPECTATOR AREAS				11,560	15,028	
Guest Services	First Aid	1	1	250	250	325	Includes restroom
	Promotional Storage	1	1	150	150	195	
	Information Booth	1	1	150	150	195	
	SUB-TOTAL GUEST SERVICES				550	715	
Ticketing	Ticket Booth	4	2	60	480	624	
	SUB-TOTAL TICKETING				480	624	
SUB-TOTAL CLASSIFICATION: SPECTATOR FACILITIES					90,703	94,480	
CLASSIFICATION: FOOD AND RETAIL							
Space Type	Room Name	Recommended Program					
		Room Count	Units	NSF	Total NSF	Total GSF (x1.3)	Comments
Concessions	Concession Stands	1	35	100	3,494	4,542	1 pos per 400
	Portable Concessions			50	0	0	
	Storage	1	1	500	500	650	
	Kitchen	1	1	700	700	910	East Side Pavilion Warming Kitchen
	SUB-TOTAL CONCESSIONS				4,694	6,102	
Retail	Team/Store/Bookstore - FLEX SPACE	1	1	400	400	520	East Side Pavilion
	SUB-TOTAL RETAIL				400	520	
SUB-TOTAL CLASSIFICATION: FOOD AND RETAIL					5,094	6,622	

CLASSIFICATION: TEAM FACILITIES							
Space Type	Room Name	Recommended Program					
		Room Count	Units	NSF	Total NSF	Total GSF (x1.3)	Comments
Women's Soccer Locker Room	Entry	1	2	100	200	260	
	Lockers	1	30	30	900	1,170	(30) 24"wide x 24" deep lockers
	Showers/Toilets	1	1	400	400	520	4 w.c; 4 showers; 4 lavs
	Boot Room	1	1	60	60	78	Space for cleats
	Storage	1	1	50	50	65	
	SUB-TOTAL WOMEN'S SOCCER LOCKER ROOM				1,610	2,093	
Visitor's Locker Room	Lockers	1	1	400	400	520	(46) 18" stacked visitors lockers
	Showers/Toilets	1	1	300	300	390	
	Single User Locker Room	1	1	200	200	260	
	SUB-TOTAL VISITOR'S LOCKER ROOM				900	1,170	
Auxiliary Locker Room	Auxiliary Locker Room / Green Room	1	1	1,100	1,100	1,430	Subdividable, locate on east side
	SUB-TOTAL Single User LOCKER ROOM				1,100	1,430	
Concert Support	Concert Crew Lounge / Catering Compound	1	1	1,100	1,100	1,430	East Side Pavilion
	Restroom / Shower	1	1	600	600	780	East Side Pavilion
	Dressing Rooms	1	1	1,500	1,500	1,950	East Side Pavilion 4 Rooms - Dual use as Aux Lockers
	Star / Performer Lounge	1	1	1,100	1,400	1,820	East Side Pavilion
	Production Workroom	1	1	750	750	975	East Side Pavilion
	Freight Elevator	1	3	150	450	585	East Side Pavilion
	SUB-TOTAL SOCCER TEAM LOUNGE				1,100	1,430	
Sports Medicine	Entry/ Check-in Area	1	1	300	300	390	
	Athletic Training Room	1	1	1,200	1,200	1,560	(12) training tables
	Rehab Room	1	1	600	600	780	
	Staff Offices	4	1	100	400	520	
	Exam Rooms	2	1	150	300	390	
	Single User Restrooms	2	1	75	150	195	
	Hydrotherapy Room	1	1	600	600	780	
	Hydrotherapy Mechanical Room	1	1	150	150	195	
	X-Ray Room	1	1	150	150	195	In one exam room
	Chiropractor	1	1	100	100	130	
	Agility Area	1	1	400	400	520	
	Ice/ Cooler Room	1	1	200	200	260	Access to exterior
	Medical Record Storage	1	1	100	100	130	
	Storage	1	1	50	50	65	
	SUB-TOTAL SPORTS MEDICINE				4,700	6,110	
Wellness	Counseling Room	1	1	120	120	156	
	SUB-TOTAL WELLNESS				120	156	
Nutrition	Fueling Station	2	1	100	200	260	
	Training Table	1	250		0	0	Use multipurpose space
	Storage	1	1	100	100	130	
	SUB-TOTAL NUTRITION				300	390	
Equipment	Equipment Room	1	1	1,000	1,000	1,300	
	Equipment Distribution Room	1	1	300	300	390	
	Secured Storage	1	1	400	400	520	
	Equipment Office	2	0	120	0	0	
	Staff Workstations	1	1	200	200	260	
	Laundry Room	1	1	800	800	1,040	
	SUB-TOTAL EQUIPMENT				2,700	3,510	
SUB-TOTAL TEAM FACILITIES					12,530	16,289	



CLASSIFICATION: PRESS AND MEDIA							
Space Type	Room Name	Recommended Program					
		Room Count	Units	NSF	Total NSF	Total GSF (x1.3)	Comments
Press Box	Lobby	1	1	150	150	195	
	Writing Press	1	20	13	260	338	
	Home Radio	1	2	50	100	130	
	Visitor Radio	1	2	50	100	130	
	Extra Radio	0	2	13	0	0	
	Instant Replay	1	1	30	30	39	
	TV Broadcast Booth	2	1	200	400	520	
	PA Booth	1	1	50	50	65	
	Scoreboard/ PA Booth	1	1	100	100	130	
	Finish Line Timing Room	1	1	250	250	325	
	Food Area	1	1	60	60	78	kitchenette counter with glass front cooler
	Work Room	1	1	150	150	195	
	Server/ IT Room	1	1	200	200	260	
	Storage	1	1	120	120	156	
	Restrooms	4	1	65	260	338	
	Camera Platforms	2	1	60	120	120	exterior
	Camera Storage	1	1	120	120	156	
	SUB-TOTAL PRESS BOX				2,470	3,175	
Press Support	Press Conference Room	1	0	400	0	0	Use multipurpose space
	SUB-TOTAL PRESS SUPPORT				0	0	
SUB-TOTAL PRESS AND MEDIA					2,470	3,175	
CLASSIFICATION: TEAM ADMINISTRATION							
Space Type	Room Name	Recommended Program					
		Room Count	Units	NSF	Total NSF	Total GSF (x1.3)	Comments
Coaches' Locker Room	Women's Coach and Staff Lockers	1	6	30	180	234	
	Women's Coach and Staff Showers/ Toilets	1	1	250	250	325	
	Men's Coach and Staff Lockers	1	6	30	180	234	
	Men's Coach and Staff Showers/ Toilets	1	1	250	250	325	
	Single User Coach and Staff Locker Room	1	1	200	200	260	
	SUB-TOTAL COACHES' LOCKER ROOM				1,060	1,378	
Women's Soccer Coach Offices	Head Coach Office	1	1	250	250	325	
	Director of Ops	1	1	200	200	260	
	Assistant Coach Office	2	1	120	240	312	
	GA Workstations	2	1	80	160	208	
	Video Workroom	1	1	300	300	390	
	SUB-TOTAL WOMEN'S SOCCER COACH OFFICES				1,150	1,495	
Admin Support Soccer	Lobby	1	1	300	300	390	
	Reception Storage Area	1	1	50	50	65	
	Single User Toilet	2	1	75	150	195	
	Storage	1	1	50	50	65	
	Break/ Copy Room	1	1	200	200	260	
	SUB-TOTAL ADMIN SUPPORT SOCCER				750	975	
Meeting Rooms	Conference Room	1	1	200	200	260	
	SUB-TOTAL MEETING ROOMS				200	260	
SUB-TOTAL TEAM ADMINISTRATION					3,160	4,108	

CLASSIFICATION: EVENT AND PRACTICE							
Space Type	Room Name	Recommended Program					
		Room Count	Units	NSF	Total NSF	Total GSF (x1.3)	Comments
Playing Field	Track Surface	1	0	85,000	0	0	(9) 48" lanes, 2 LJ/TJ/PV runways each, 2 HJ zones
	Warm Up Lanes	1	0	1,890	0	0	(3) 42" x 60 yd lanes
	Soccer Field	1	0	81,000	0	0	75 yds x 120 yds
	Throwing Field	1	0	150,000	0	0	
	Soccer Coach Shelters	0	2	100	0	0	(2) 12-person shelters each Multiuse with jumps/ throwing events shelters
	Soccer Team Shelters	0	2	400	0	0	(1) 4 person shelters each Multiuse with jumps/ throwing events shelters
	SUB-TOTAL PLAYING FIELD				0	0	
Outdoor Areas	Scoreboard/ Videoboard	0	0	0	0	0	
	Wifi Internet Connection	0	0	0	0	0	
	Perimeter Fence	0	0	0	0	0	
	Sport Lighting	0	0	0	0	0	
	Sound System/ Speakers	0	0	0	0	0	
	Branding/ Graphics	0	0	0	0	0	
	Winners Podium	0	0	0	0	0	
	Team Camp Area	0	100	200	0	0	exterior space
	SUB-TOTAL OUTDOOR AREAS				0	0	
Indoor Practice Areas	Multipurpose Indoor Practice	1	1	2,500	2,500	3,250	For uses such as med ball throws, practice throws
	SUB-TOTAL INDOOR PRACTICE AREAS				2,500	3,250	
Event Operations	Green Room	1	1	200	200	260	
	Single User Performer Showers/Toilets	6	1	100	600	780	
	SUB-TOTAL EVENT OPERATIONS				800	1,040	
Competition Management	Competition Officials/ Conference Room	1	1	600	600	780	
	Officials Locker Room	2	1	175	350	455	1 W, 1 M
	Meet Management Room	1	1	400	400	520	
	Catering Compound	1	1	400	400	520	
	Drug Testing Room	0	1	200	0	0	use restrooms in Arena
	Clerking/Staging Room	0	0	800	0	0	exterior space. Temporary tent structure
	Security Room	1	1	300	300	390	
	SUB-TOTAL COMPETITON MANAGEMENT				2,050	2,665	
SUB-TOTAL EVENT AND PRACTICE					5,350	6,955	



CLASSIFICATION: OPERATIONS AND SUPPORT							
Space Type	Room Name	Recommended Program					
		Room Count	Units	NSF	Total NSF	Total GSF (x1.3)	Comments
MEP	Mechanical Room	1	1	1,200	1,200	1,560	
	Main Electircal Room	1	1	500	500	650	
	Electrical Closets	4	1	100	400	520	
	Emergency Generator Room	0	1	200	0	0	exterior if needed
	Tele/Data Room	1	1	250	250	325	
	Tele/Data Closets	3	1	100	300	390	
	SUB-TOTAL MEP				2,650	3,445	
Janitorial	Distributed Janitor Closets	2	1	40	80	104	
	Trash	1	1	600	600	780	
	Main Compactor	0	1	1,000	0	0	exterior space
	Small Compactor	0	1	500	0	0	East Side exterior
	Grease Drop Zone	0	1	350	0	0	exterior space
	SUB-TOTAL JANITORIAL				680	884	
A/V	A/V Closet	2	1	50	100	130	
	SUB-TOTAL A/V				100	130	
Grounds	Irrigation Control Room	1	1	30	30	39	
	Field Lighting Controls	1	1	30	30	39	
	SUB-TOTAL GROUNDS				60	78	
Storage	Track Equipment	1	1	1,000	1,000	1,300	hurdles, long/triple jump covers, discus/hammer cage, meet tents & benches
	Soccer Equipment	1	1	1,000	1,000	1,300	Goals, team shelters, corner flags
	Pit Storage	1	1	1,000	1,000	1,300	Pole vault/high jump mats & uprights
	Timing Storage	1	1	150	150	195	
	General Storage	1	1	1,000	1,000	1,300	
	Trash Storage	1	1	200	200	260	24 trash caddies
	Maintenance Equipment	1	1	500	500	650	
	Field Cover Storage	1	1		0	0	
	SUB-TOTAL STORAGE				4,850	6,305	
SUB-TOTAL OPERATIONS AND SUPPORT					8,340	10,842	

CLASSIFICATION: CIRCULATION							
Space Type	Room Name	Recommended Program					
		Room Count	Units	NSF	Total NSF	Total GSF (x1.3)	Comments
Concourse	Main Concourse	1	8,500	3	25,500	25,500	
	SUB-TOTAL CONCOURSE				25,500	25,500	
Vertical Circulation	Stair	2	1	200	400	520	minimum
	Elevator	2	1	150	300	390	
	Elevator Machine	1	1	120	120	156	
	SUB-TOTAL VERTICAL CIRCULATION				820	1,066	
SUB-TOTAL CIRCULATION		26,320				26,566	
CLASSIFICATION: SITE REQUIREMENTS							
Space Type	Room Name	Recommended Program					
		Room Count	Units	NSF	Total NSF	Total GSF (x1.3)	Comments
Truck Parking	TV Network Trucks	0	1	2,000	0	0	20' x 80' plus circulation
	Satellite Trucks	0	1	275	0	0	6'-6" x 20' plus circulation
	SUB-TOTAL TRUCK PARKING				0	0	
Bus	Bus Drop-Off				0	0	
	SUB-TOTAL BUS				0	0	
Concert	Bus/Truck Parking				0	0	With shore hookups
	SUB-TOTAL CONCERT				0		
SUB-TOTAL SITE REQUIREMENTS		0				0	
SUMMARY							
Space Type	Room Name	Recommended Program					
		Room Count	Units	NSF	Total NSF	Total GSF (x1.3)	Comments
CLASSIFICATION: SPECTATOR FACILITIES					90,703	94,480	
CLASSIFICATION: FOOD AND RETAIL					5,094	6,622	
CLASSIFICATION: TEAM FACILITIES					12,530	16,289	
CLASSIFICATION: PRESS AND MEDIA					2,470	3,175	
CLASSIFICATION: TEAM ADMINISTRATION					3,160	4,108	
CLASSIFICATION: EVENT AND PRACTICE					5,350	6,955	
CLASSIFICATION: OPERATIONS AND SUPPORT					8,340	10,842	
CLASSIFICATION: CIRCULATION					26,320	26,566	
CLASSIFICATION: SITE REQUIREMENTS					0	0	
NET TOTAL SQUARE FOOTAGE (NSF)					153,966		
+ NET-TO-GROSS-MULTIPLIER (30%)					15,070		
GROSS TOTAL SQUARE FOOTAGE (GSF)					169,036	169,036	



**POPULOUS®**

**We design the places where people love to be together.**