

5 Vision Components	15 Primary Goals	19 Key Initiatives
<p><b>Smart and Balanced Growth</b></p> <p>Informed decision-making and thoughtful processes are the guide posts for future growth and development.</p>	<ol style="list-style-type: none"> <li>1. Attain a sustainable critical mass of population.</li> <li>2. Achieve a sustainable rate of economic growth.</li> <li>3. Change by design—proactively determine our future.</li> </ol>	<p>Recruit SDSU students, families, empty-nesters, and active retirees.</p> <p>Create economic diversity within targeted primary industries sectors.</p> <p>Use diversity as an avenue to global competitiveness.</p>
<p><b>Economic Prosperity</b></p> <p>Create household, business and community wealth.</p>	<ol style="list-style-type: none"> <li>4. Develop a recession resistant economy.</li> <li>5. Undertake a balanced approach to economic development.</li> <li>6. Collaborate regionally.</li> </ol>	<p>Establish the Brookings area as an Active Adult Retirement Community.</p> <p>Establish Brookings as a TechKnow Hotspot.</p> <p>Expand the county’s stature as a Production Powerhouse.</p> <p>Employ tactics to retain, expand and recruit industry, and support entrepreneurs</p>
<p><b>Competitive Business Environment</b></p> <p>Assemble the resources and amenities that will allow businesses to flourish.</p>	<ol style="list-style-type: none"> <li>7. Provide high quality business location alternatives.</li> <li>8. Create advantage for businesses through the provision of infrastructure, services, and capital.</li> <li>9. Organize industry networks around cluster targets.</li> </ol>	<p>Expand and promote Brookings County development location choices.</p> <p>Create a skilled workforce pipeline.</p> <p>Engage the private sector to drive “business advantage” investments.</p>
<p><b>High Quality Community</b></p> <p>Create an environment and amenities that establish the community as a people destination.</p>	<ol style="list-style-type: none"> <li>10. Create an aesthetically diverse physical environment.</li> <li>11. Create a human environment meeting the demands of the targeted population.</li> <li>12. Build an economic environment that supports employment alternatives in selected industry clusters.</li> </ol>	<p>Improve community gateways.</p> <p>Provide affordable variety in housing.</p> <p>Expand retail, dining, recreation and entertainment opportunities.</p> <p>Advance healthy living.</p> <p>Create higher wage opportunities.</p>
<p><b>High Performance Community</b></p> <p>Develop Brookings County and communities as role models in all aspects of “community”.</p>	<ol style="list-style-type: none"> <li>13. Advance organization and leadership collaboration.</li> <li>14. Engage the community.</li> <li>15. Create a global awareness of Brookings.</li> </ol>	<p>Use roundtables to establish high levels of communication.</p> <p>Introduce big impact ideas and initiatives to engage the community in discussion.</p> <p>Market Brookings County’s development opportunities.</p> <p>Invest strategically in the community’s future.</p>
<p><b>Desired Outcomes: Population Growth — Wealth Creation — Quality</b></p>		

**RESEARCH AND TESTING**

South Dakota Board of Regent/SDSU 2010 Research Centers:  
 Center for Infectious Disease Research & Vaccinology  
 Center for Bioprocessing Research & Development  
 Center for Drought Tolerance Biotechnology  
 Center for Biological Control & Analysis by Applied Photonics  
 Center for Research & Development of Light Activated Materials  
 Center for Translational Cancer Research

Legislature-Authorized Research Centers:  
 Agriculture Experiment Station (AES)  
 Animal Disease Research & Diagnostic Laboratory (ADRD)

Federally-Funded Research Centers:  
 North Central Sun Grant Center  
 Ethel Austin Martin Program in Nutrition  
 USDA ARS North Central Agricultural Research Lab  
 Commodity and Grower Funded Research Center  
 Seed Technology Center

Testing Laboratories:  
 Mass Spectrometry Facility  
 Olson Agricultural Analytical Services Lab  
 Seed Testing Laboratory  
 Soil Testing Laboratory  
 Histopathology Laboratory  
 Food Safety Microbiology Laboratory  
 Northern Plains Biostress Laboratory  
 Functional Genomics Core Facility  
 Biostress Micro-Imaging Lab

**FACILITIES**

Multi-Tenant Business Incubation Facilities:  
 Innovation Center 48,000 sq ft.  
 Brookings Biospace 8 – 1,250 sq ft.  
 wet labs with shared scientific equipment rooms.  
 Research & Technology Center 26,000 sq ft.

\$1.25 Million Engineering Cleanroom

SDSU Electric Engineering private research collaboration space

Development Sites:  
 Innovation Campus  
 Industrial Parks  
 Business Park

Small Business Revolving Lab

**AGRICULTURE/PLANT SCIENCE**

**BUSINESSES:**  
 Syngenta, Pioneer, International Plant Nutrition Institute, SGS Midwest Seed Service, Millborn Seeds, Foundation Seed

**SDSU RESEARCH:**  
 - Small Grain  
 - Row Crops  
 - Plant-Based Aquaculture Feed Stock  
 - Dedicated Energy Crops  
 - Switch Grass  
 - Prairie Cord Grass

**ANIMAL HEALTH**

**BUSINESSES:**  
 Rural Technologies Inc., Alltech, Chronix Biomedical, Biogenetics, SCSA Diagnostics, DairyNet, Brookings Biomedical, VST

**SDSU RESEARCH:**  
 - Porcine Reproductive & Respiratory Syndrome  
 - Enterotoxigenic E. Coli  
 - Transmissible Spongiform Encephalopathies  
 - Vaccine and Diagnostic Test Development



Leading South Dakota's Innovation Economy

**BUSINESSES:**  
 PHST, Sterling Technologies, Identity Genetics, SCSA Diagnostics

**SDSU RESEARCH:**  
 - National Children's Study  
 - Natural Compounds  
 - Drug Delivery Systems  
 - Protein Nanotechnology  
 - Light-Activated Technology  
 - Food and Nutrition

**HUMAN HEALTH**

**BUSINESSES:**  
 Daktronics, Midwest MicroTek, Star Circuits, Falcon Plastics, Great Plains Rapid Prototyping, Royal Plastics, etanum, American Science & Technology, Predictive Analytic Solutions

**SDSU RESEARCH:**  
 - Financial Analysis / Engineering  
 - Imaging Sciences  
 - Non-Destructive Materials Analysis  
 - Specialized Microscopy  
 - Supercritical Carbon Dioxide

**HIGH TECHNOLOGY**

**GREEN ENERGY**

**BUSINESSES:**  
 Valero Renewables, Urethane Soy Systems, Iberdrola Renewables, U.S. Bioenergy, GHP Systems, American Science and Technology, Radiance Technologies, GAEA, Cynno-Factory, Energy Management Technologies, Northern Plains Power Technologies

**SDSU RESEARCH:**  
 - Lignocellulosic Material Development / Processing  
 - EcoSun Prairie Farm  
 - Thermochemical Processing  
 - Biochemical Processing  
 - Solar  
 - Thin Film Solar Cells  
 - Dye-Sensitized Solar Cells  
 - Wind  
 - South Dakota Wind Application Center  
 - Energy Management  
 - Hybrid Advanced Microgrid Power Systems

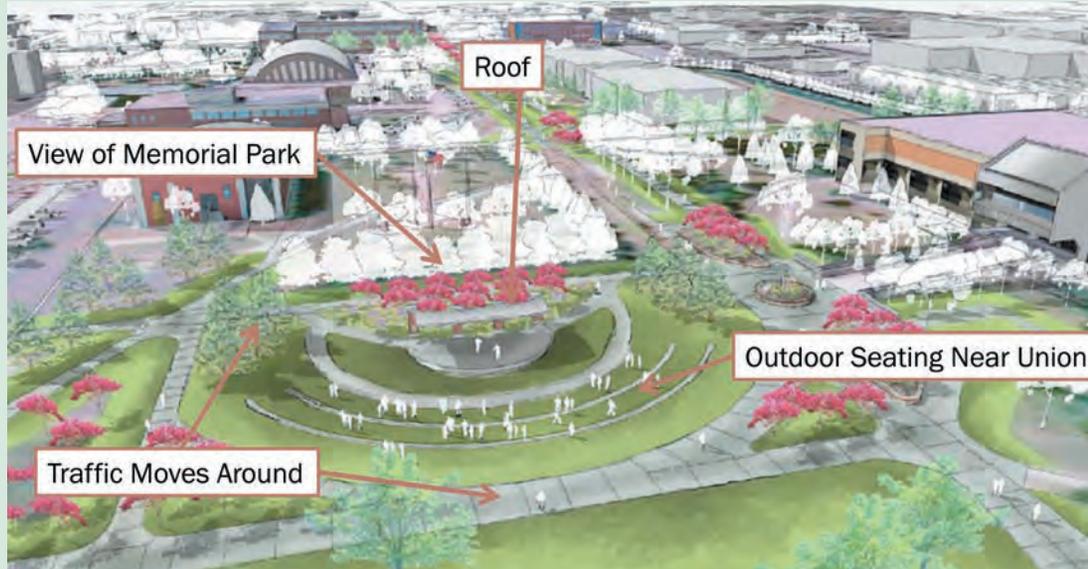
**FINANCIAL CAPITAL**

Proof of Concept Funding  
 SDSU Technology Transfer Office  
 Seed Capital  
 South Dakota Innovation Partners  
 Angel Capital  
 Brookings Angel Investor Network  
 Venture Capital  
 McGowan Capital Group  
 PrairieGold Venture Partners  
 Business Loan Funds  
 Brookings Economic Development Corporation  
 Area Development Corporation  
 Governor's Office of Economic Development  
 First District Development Company

**HUMAN CAPITAL**

13,000 SDSU Students  
 2,057 Agriculture & Biological Sciences  
 334 Animal Science  
 341 Biology  
 270 Wildlife and Fisheries  
 151 Pre-Veterinarian  
 146 Agronomy  
 57 Microbiology  
 1,500 Engineering  
 350 Pharmacy  
 300 Pre-Pharmacy

# Jackrabbit Green



- Creates a pedestrian-friendly campus
- Extends from the Wellness Center to Medary Avenue
- Incorporates public art and outdoor seating
- Provides venue for outdoor programs

Amphitheater



West End Perspective



East End Perspective

# 2025 Design & Master Plan for Parking Facilities (Draft)

## Implementation Phases

### Phase 1: Net addition of an estimated 322 spaces

- A Reconfigure existing lot for commuter parking
- B Reconfigure existing lots for commuter parking
- C Remove existing lot
- D Repurpose portion of existing lot for commuter parking
- E Convert existing lot to pay lot for visitor parking

### Phase 2: Net addition of an estimated 141 spaces

- F Remove Communications Building and expand existing lots for commuter parking
- G Repurpose existing lot for residential life parking
- H Repurpose existing lot to commuter parking
- I Remove existing lot for construction of residential life facility
- J Expand existing residential life parking lots

### Phase 3: Net addition of estimated 1,193 spaces

- K Relocate intramural fields
- L Construct new lot for residential life parking
- M Remove State Village and construct new lot for residential life parking
- N Remove Grove Hall
- O Expand existing pay lot for visitor parking

### Phase 4: Net addition of estimated 132 spaces

- P Remove Rotunda Lane and existing lot
- Q Remove existing lots
- R Remove Administration Lane and existing parking spaces
- S Remove Harding Hall and construct new lot for commuter parking

### Phase 5: No impact on parking capacity

- T Remove 400 commuter spaces to support development of an upper-division and graduate student neighborhood
- U Pave existing gravel lot for commuter parking
- V Construct new lot for commuter parking
- W Repurpose portion of existing lot for commuter parking
- X Construct new gravel lot for free parking

### Phase 6: Net addition of an estimated 200 spaces

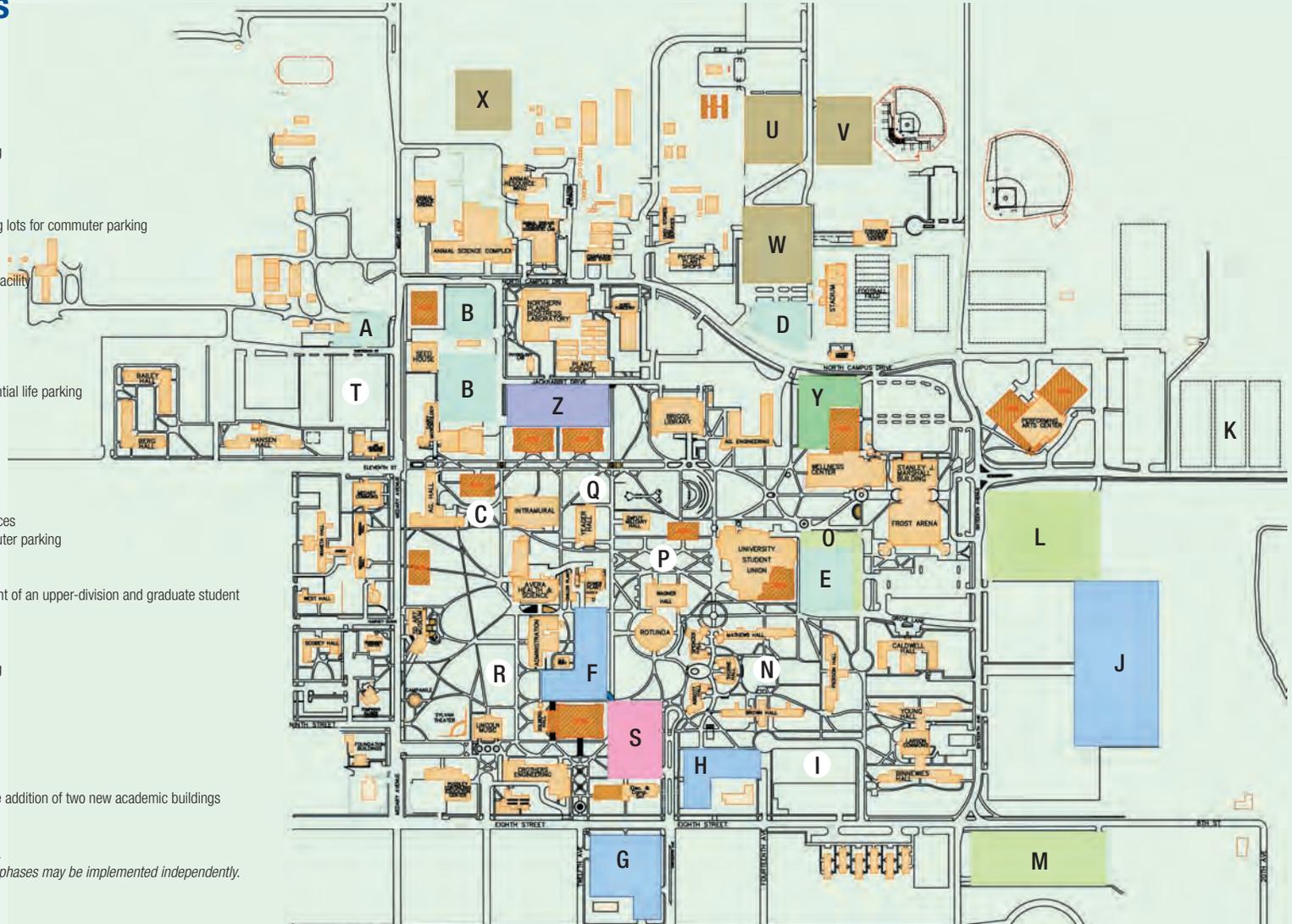
- Y Construct new lot for commuter parking

### Phase 7: Net addition of an estimated 200 spaces

- Z Construct new lot for commuter parking to support the addition of two new academic buildings

### Note:

- Phase 1 is currently planned for construction in 2011.
- Phase 2 and Phase 3 must occur in sequence. Other phases may be implemented independently.



# Updated Residential Life & Dining Services Master Plan (2011-2018)

**Northwest  
Neighborhood**



**Jackrabbit Village**

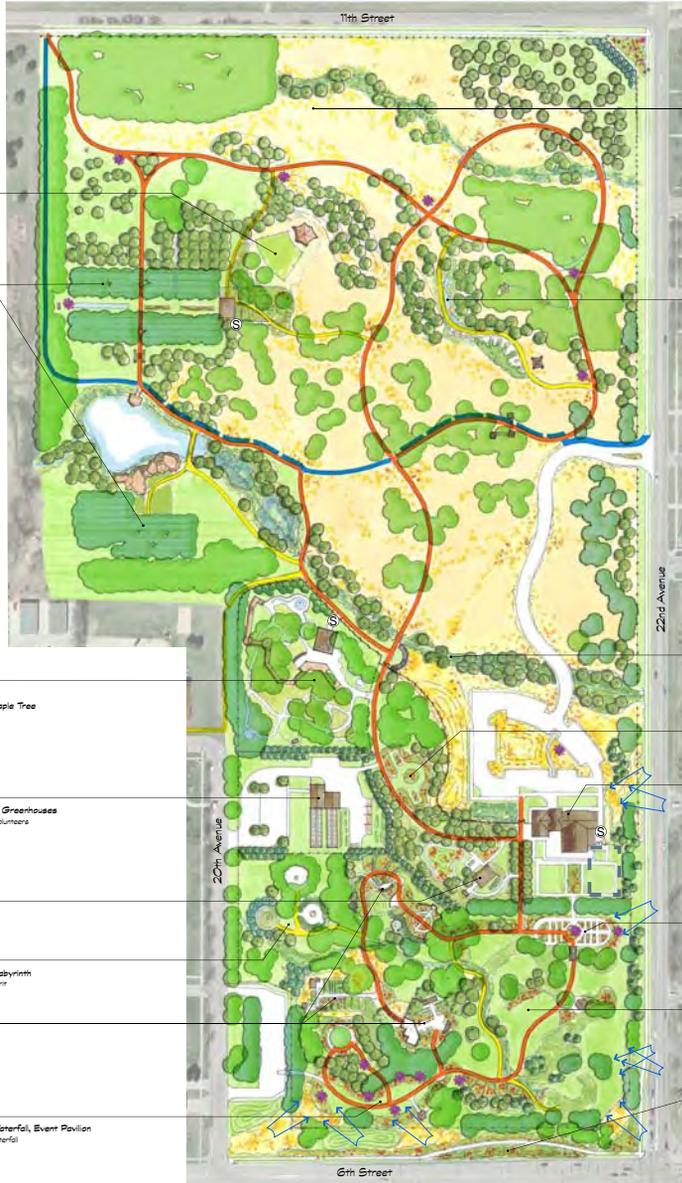


**Southeast  
Neighborhood**

# McCrary Gardens Education & Visitor Center



# McCrary Gardens and South Dakota State Arboretum Master Plan



## THE GATHERING:

- Event Pavilion, Amphitheatre, Bur Oak Highlands
- Enriches a student and community destination for planned and spontaneous celebratory events within the Arboretum
- Opportunity for large concerts or festivals

## FOLLY FROLIC:

- Birch Alley and Reflecting Pool, Palisades, Arborvitaes Cathedral
- Features Arboretum relics and new stunning landscapes in playful and unexpected light

## MAPLES FAMILY GARDEN:

- Edible, Pollinator and Cottage Gardens, Canopy Walk, Forest Floor Explora, Conifer Circle, The Story of a Maple Tree
- Creates educational destination for interactive and spontaneous learning and play, with a focus on the green world around us
- Supports pre- and post-teacher training and South Dakota primary education curricula
- Target age: 0-8 years, two acres, fenced

## HORTICULTURE MAINTENANCE CENTER:

- Offices, Breakroom, Volunteer Center, Vehicle Storage, Greenhouses
- Creates "back of house" efficient layout and location for staff and volunteers
- Parking for 45 spaces
- Plant sale display
- Outdoor materials storage
- Fenced and screened

## STRANDBALE HOME AND GARDEN:

- Stranvåle House, Wildlife Garden, Kitchen Garden
- Exhibits sustainable site and building design at home-owner's scale

## CONTEMPLATIVE GARDENS:

- Rotary Garden, Mickelson Grove, Rosenfeld Garden, Labyrinth
- Enhances and adds memorial spaces that heal and replenish the spirit
- Supplemental enclosure planting at Rotary Garden

## HERITAGE GARDENS:

- Native American, Settlers, Hansen Discovery Gardens
- Celebrates relationships between region's people and plants
- Children's House and Cottage relocated to Maple Family Garden
- Cemetery Garden expanded and relocated to The Prairie
- Hansen Garden re-designed

## GARDENS OF THE ARTS AND SENSES:

- Sculpture Garden, Sensory Garden, Rock Garden & Waterfall, Event Pavilion
- Enhances existing garden favorites with sculpture collection and waterfall
- Confirms facilities and earned income potential at Pavilion
- Waterfall as "headwaters" for intermittent stream corridor
- Sensory Garden renovated
- Rock Garden landscape expanded to screen traffic and noise

## CULTURAL HISTORY ZONE:

- Cultural & National History Museum, Native American Village, Settlers Homestead, and Plant Explorers Collections
- Amplifies Heritage Gardens themes through careful restoration of spaces and peoples for experiential learning
- Broadens cultural offerings and creates regional cultural campus
- Strongly connects University portal at 11th Street and 22nd Avenue
- New trees and woody plant collections showcase SDSU research in Plant Explorers
- Herbaceous collection removed; drainage re-designed and upgraded

## NATURAL HISTORY ZONE:

- The Prairie, The Woods, Mariane Trail, Cottonwood Creek
- Reconnects iconic regional landscapes for immersion, education and inspiration
- Unchecked and engaging landscape are throughout
- Restored +/- 20 acre prairie and created porthole lake and wetlands in The Prairie
- Active stormwater management along Cottonwood Creek with potential for research: feeds portholes
- Understudy of existing tree collections at The Woods enhanced to showcase full ecosystem from the ground up: Treasured Village and Fire Tree observation deck
- Reconnection of Coteau des Prairies rock outcroppings and vernal pools at Mariane

## COTTONWOOD CREEK:

- Streamwater innovation exhibit
- Plaza and refuge, artistically done
- Student study and research
- Lowland trees and associated understory
- Reconnected to feed porthole exhibit

## PLANTS FOR THOUGHT:

- All-American Trials, Idea Garden
- Features "What's New" at McCrary Gardens
- Potential for student-design/build with changing theme

## EDUCATION AND VISITOR CENTER:

- Center, Event Garden, Rain Gardens, Auto Garden
- Sets the tone for visitors to experience native landscapes, sustainable parking systems, contextual architecture, signature sculpture
- Multi-purpose education and event space, classrooms, offices, catering facilities
- Room for expansion for winter display and event space (greenery?)
- Entry drive immerses visitors into the prairie landscape of the Arboretum
- Parking for 100 cars and bus stop-off

## GARDEN TRADITIONS:

- Perennial, Rose and Herb Gardens
- Features well-loved garden collections and designs of the past
- Wonderful colorful introduction to McCrary Gardens
- Minor improvements to Perennial and Herb Gardens
- Rose Garden replaces Prairie Medicinal and Pharmaceutical Gardens, which moves to Native American Garden

## CELEBRATION GARDENS:

- Great Lawn, Celebration Pavilion, and The Woodlands
- Reconfigures existing Presidential and Florid Clasp Gardens and Great Lawn to enhance event space and consolidate display beds
- Celebration Pavilion added to provide comfort facilities

## THE GARDEN'S EDGE:

- Linear Roadside Gardens
- Announces McCrary Gardens at key community portal at 6th Street and 22nd Avenue
- Bold array of woody and herbaceous collections designed for the view from a car
- Viewsheds carefully crafted to protect visitor experience
- Boosting parking at 20th Avenue for event overflow; completed access for pedestrian

## SYMBOLS LEGEND:

	Existing Deciduous Trees to Remain		Prairie Grass		High Path
	Existing Evergreen Trees to Remain		Ornamental Display Beds		Secondary Path
	Proposed Deciduous Tree		Sculpture or Focal Point		Future Bike Corridor
	Proposed Evergreen Tree		Water Feature		Service
					Security Fence
					Asymetric Barrier Fence

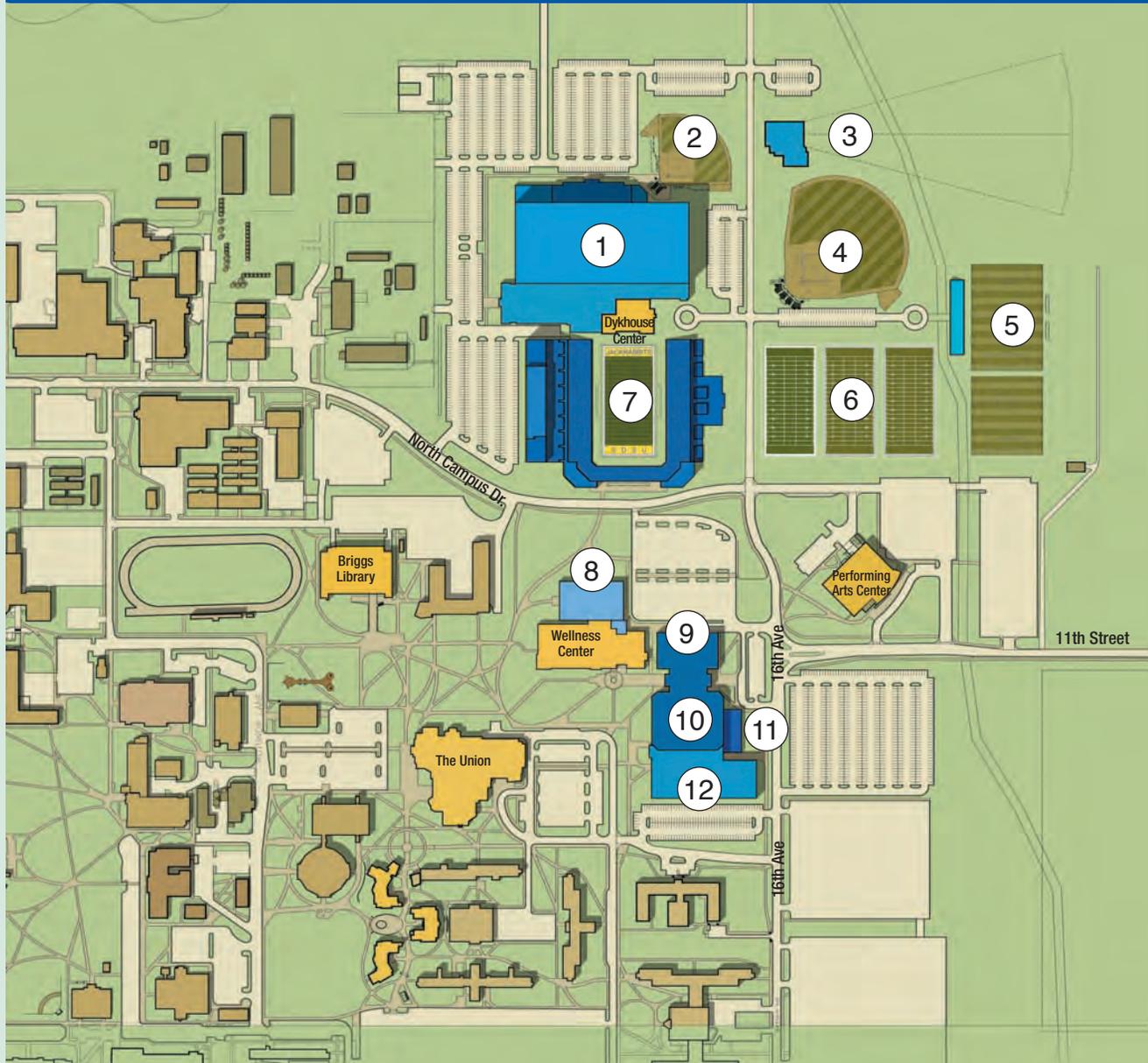
Illustrative Master Plan  
**McCrary Gardens & South Dakota State Arboretum**  
 South Dakota State University

Prepared: January 18, 2011

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# 2025 Master Plan for Athletic Facilities



- 1 Indoor Practice & Human Performance Facility
- 2 Softball Stadium
- 3 Golf Practice Facility
- 4 Baseball Stadium
- 5 Soccer Stadium and Practice Field
- 6 Football Practice Fields
- 7 Football Stadium
- 8 Aquatics Competition and Practice Facility
- 9 Stanley J. Marshall Building (Updated)
- 10 Frost Arena (Updated)
- 11 Wrestling Practice Facility
- 12 Basketball/Volleyball/Wrestling Practice and Competition Facility

The 2025 Master Plan for Athletic Facilities includes two projects outside the functional area on campus for intercollegiate athletics.

- Tennis Competition and Practice Facility
- Nathelle and Lawrence DeHaan Equestrian Center

**Note:** Planning for intramural fields will be incorporated as the 2025 Master Plan for Athletic Facilities is implemented.

