**Foundational Strategies**

1. Ensure future development supports The Ohio State University Discovery Themes and The Ohio State University Sustainability Strategic Vision.

2. Fortify the physical framework of open spaces and circulation corridors.

3. Develop new and transform existing open spaces into high performance and multi-functional landscapes.

4. Cherish and steward existing campus sacred space; and strive to develop new sacred spaces throughout campus.

5. Identify unique campus districts, integrating them into a larger campus framework.
OHIO STATE SUSTAINABILITY GOALS

Teaching and Learning

1. Deliver a Curriculum that provides Ohio State students at all stages of instruction – from General Education to professional and technical programs – with opportunities to understand sustainability holistically, framed by the environment, science, technology, society, the economy, history, culture, and politics.

2. Address the Complexities of Sustainability through a variety of learning formats, strategies, and occasions.

Research and Innovation

3. Reward Sustainability Scholarship, including the scholarship of engagement, by providing incentives for students, faculty and staff to make discoveries and stimulate creative efforts that promote and achieve sustainability.

4. Magnify Sustainability Scholarly Output and Impact to create new knowledge, solve real world problems, including for our own operations, and increase Ohio State’s national/international reputation as a sustainability research leader.

Outreach and Engagement

5. Foster Campus-to-Community, Students-to-Alumni Culture of sustainability-oriented practices and educational and research experiences that students and alumni transfer into local and global communities.

Resource Stewardship

7. Implement specific, “world-leading” university-wide operational goals to reduce resource consumption, neutralize carbon emissions and minimize waste, including:

   a. Achieve carbon neutrality by 2050 per American College and University Presidents Climate Commitment;

   b. Reduce total campus building energy consumption by 25% by 2025;

   c. Reduce potable water consumption by 5% per capita every five years, resetting baseline every five years;

   d. Double the tree canopy, increase multifunctional and productive acreage by 10% and reduce maintained acreage by 2025;

   e. Reduce carbon footprint of university fleet by 25% by 2025;

   f. Achieve zero waste by 2025 by diverting 90% of waste away from landfills;

   g. Increase production and purchase of locally and sustainably sourced food to 40% by 2025;

   h. Develop university-wide standards for targeted environmentally preferred products and fully implement preferable products and services by 2025; and

   i. Restore, enhance and maintain stormwater run-off to pre-development level by 2050.
Campus Gateway Typologies

- **Buildings**
  - South Campus Gateway
  - North Residential District

- **Non-Buildings**
  - Chadwick Arboretum
  - Lane Avenue Bridge
  - 15th & High Columns
Campus Gateway Typologies

- Buildings
  - South Campus Gateway
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- Non-Buildings
  - Chadwick Arboretum
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- Build gateways representative of the built fabric of campus
- Stone and Brick, per OSU design guidelines
- Gateway elements include landscape
Campus Threshold Edges and Streetscape
Primary Streets – Lane Avenue - Proposed
Primary Streets – Lane Avenue - Proposed

URBAN GREEN STREETS
ARBORETUM GATEWAY STREETS
Primary Streets – Lane Avenue - Proposed

ARBORETUM GATEWAY STREETS
URBAN GREEN STREETS
AGRARIAN QUALITIES
Future Opportunity Streets

- Woody Hayes Drive
  - East/West Connector

- Kinnear Road
  - East/West Connector
  - Research Corridor Opportunities

- Kenny Road
  - Regional North/South Connector
Consider the campus framework plan and open space network not as isolated sites, but rather as linked, holistic systems that function together, most successful when implemented together, as a roadmap for future campus development.
High Performance Landscape principles ensure that open space will responsibly clean the air and absorb storm water, reduce the urban heat island effect, provide animal habitat, address the challenges of climate change, and provide for flexible and usable public open space.
Stormwater Management - Campus Districts

Waterman Lab

NATURALIZED STORMWATER MANAGEMENT
Stormwater Management - Campus Districts
Stormwater Management - Campus Districts

Opportunities & Challenges

Midwest Campus

TRADITIONAL
STORMWATER MANAGEMENT
Stormwater Management Education

- Provide a campus-wide system of open-space sustainability knowledge and responsibility
- Link to wayfinding
- Embed Discovery Themes and Sustainability Goals throughout campus population
Tree Canopy - Citywide

CITY OF COLUMBUS GOAL
22% COLUMBUS CANOPY COVER BY 2025
CITY IS PLANTING 300,000 TREES

THE OHIO STATE UNIVERSITY MAIN CAMPUS

22% COLUMBUS

CITY OF COLUMBUS GOAL
27% CANOPY COVER BY 2025
CITY IS PLANTING 300,000 TREES
Tree Canopy - Campus

OSU GOAL
15.2% CORE CAMPUS
12.3% TOTAL CAMPUS

DOUBLE TREE COVERAGE BY 2025
Sacred Spaces - Today
Sacred Spaces - Tomorrow

- WATERMAN LAB
- RIVER CORRIDOR
- ST JOHN'S CORRIDOR
- OHIO STADIUM ENTRY
- WEXNER PLAZA

Map showing the locations of Sacred Spaces - Tomorrow.
River – North/South

- The river corridor connects a series of OSU and regional assets.
- Consider the river as an extension of the Chadwick Arboretum.
- Reinforce the river as a component of OSU as a Living Laboratory.
The river corridor should function as a tool to connect the campus from east to west.

Existing and proposed bridge and crossing facilities should be considered as new facilities are created.
Campus Core – Secondary Spaces
Bicycle Network – Proposed Loop
Rec Fields & Facilities

6 Outdoor Recreation Locations

- Typical scheduled use 3pm-11pm M-F; weekends vary
- Serving students (Ugrad, Grad, and Professional), faculty, and staff

Needs

- Continuous balance between meeting demand and efficient utilization
- Need soccer fields – 1 to 3 additional fields
- Reduce softball fields – keep 10
- Still evaluating basketball, volleyball, and tennis
Field Locations

- Close to student population is ideal – easily walkable
- Multi-field ‘complexes’ support flexibility and are more important than proximity to the core – allows for tournaments and efficiency for staff and equipment
- Fred Beekman and Lincoln Tower Parks are most popular – quality and number of fields, amenities, equipment availability
- Get students as close as possible to passive activity networks – places to run, throw a Frisbee, pick-up games, etc.