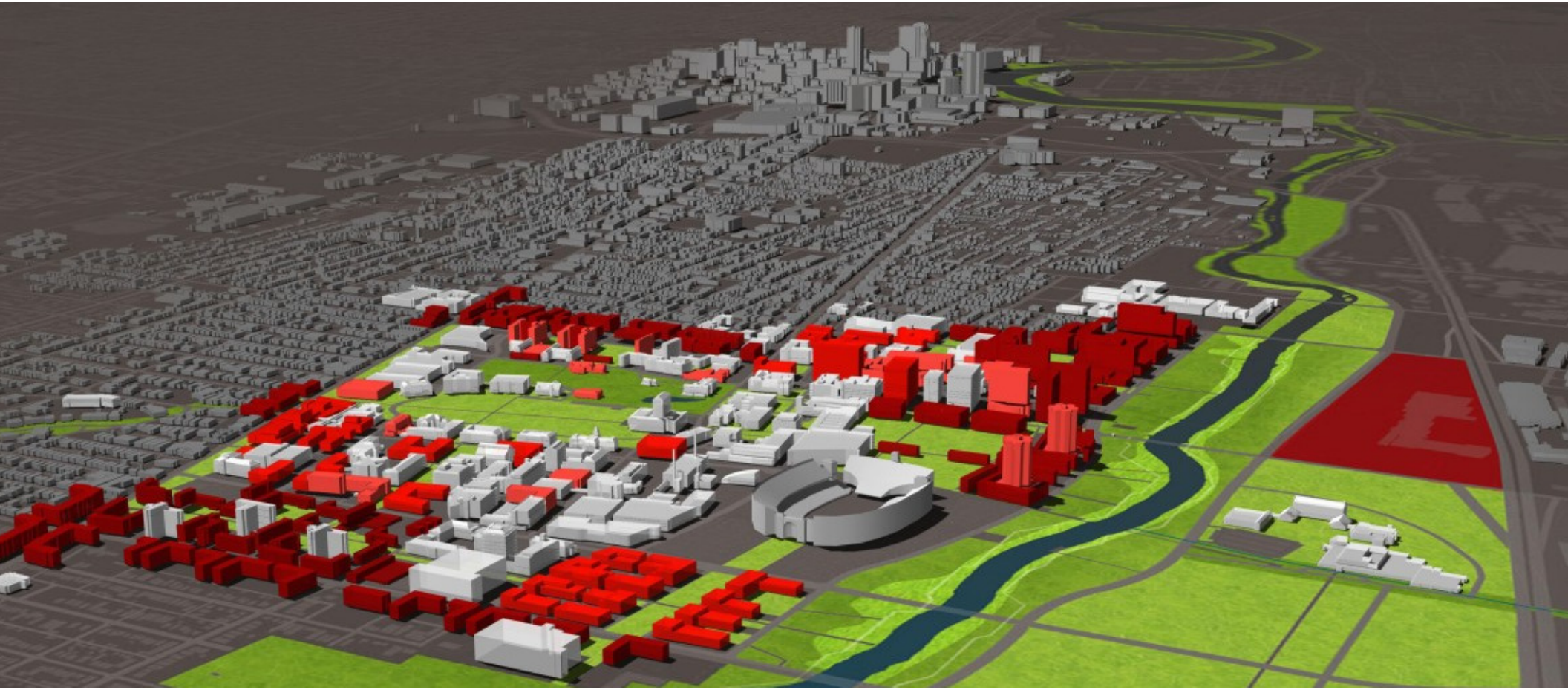
Towson University

Association of University Architects - 2010 Conference
Wednesday - June 23rd

INVESTING IN DESIGN

The Ohio State University Framework Plan

Association of University Architects - 2010 Conference
Thursday - June 24th



President Gee's 6 Strategic Goals

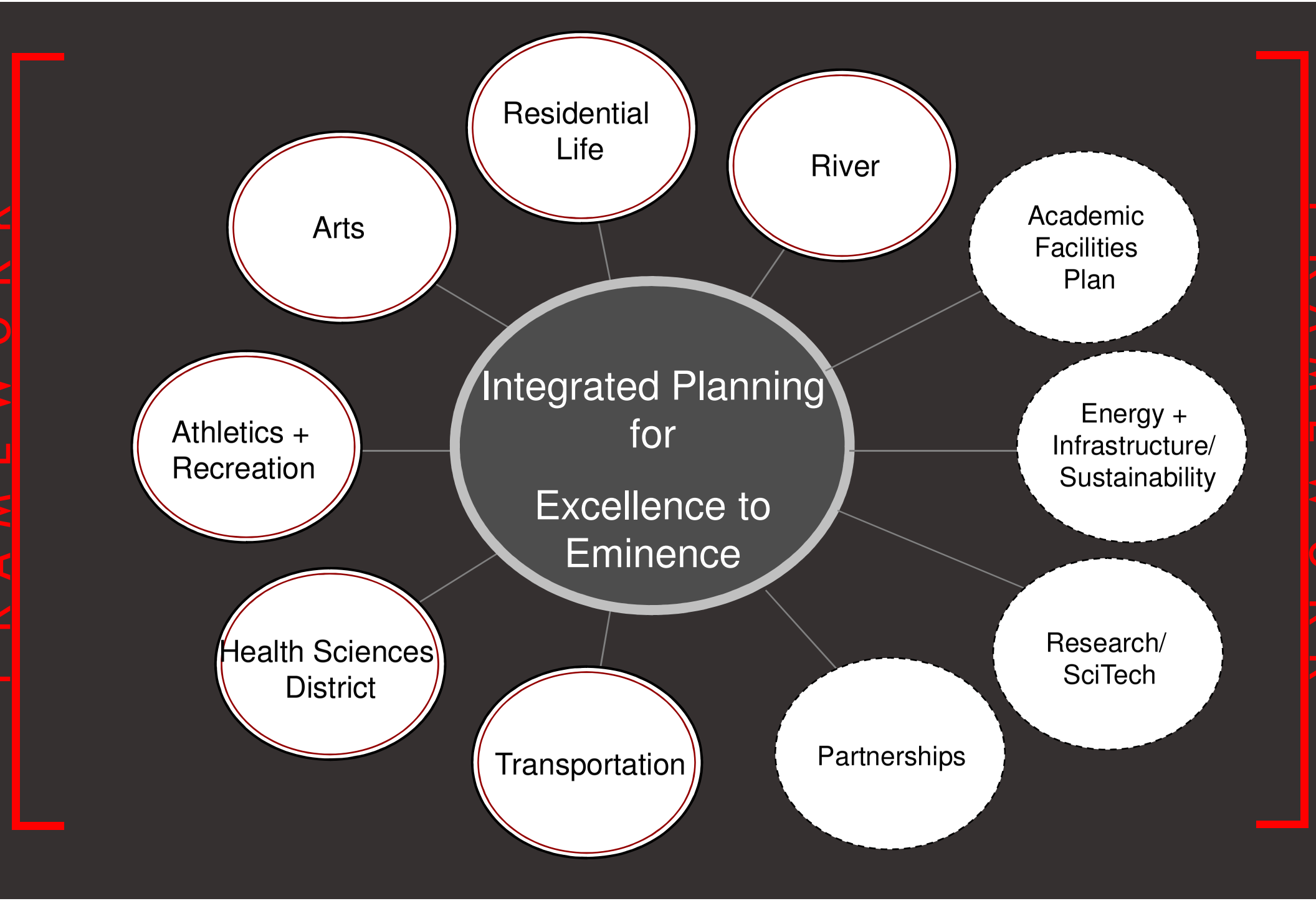
- Forge One Ohio State
- Put Students First
- Focus on Faculty Success
- Recast Research Agenda
- Commit to Our Communities
- Simplify Systems and Structures

Framework Plan vs. Master Plan

the framework is a structure for guiding change over time, connecting ideas and information to implementation.

the framework shifts the university towards flexible data-driven decision-making. It organizes the university around an integrated planning function that can develop and test alternative scenarios, ensuring that investment decisions align with our goals and maximize return on limited capital.

1995 Master Plan


Residential Life
River
Arts
Academic Facilities Plan
Integrated Planning for
Excellence to Eminence
Athletics + Recreation
Energy + Infrastructure/ Sustainability
Health Sciences District
Research/ SciTech
Transportation
Partnerships

FRAMEWORK Principles

Policy

- Use data to empower agile decision making
- Require projects meet multiple goals
- Partner with the public and private sectors to complement the core
- Decrease energy use, promote transportation options, enhance water resources, champion natural habitats, and manage materials

Space

- Build no net new academic space
- Prioritize adaptive reuse and renovation, matching building use to building typology
- Link space allocations to utilization

One University

- Be trans-institutional
- Ensure mission drives program drives the physical environment
- Integrate strategic, physical and financial planning
- Concentrate activity

Campus Life

- Create a 24/7 campus
- Improve existing on-campus residential districts, do not create new ones
- Recognize the whole campus as part of the learning environment
- Enhance neighborhoods in support of live/work philosophy

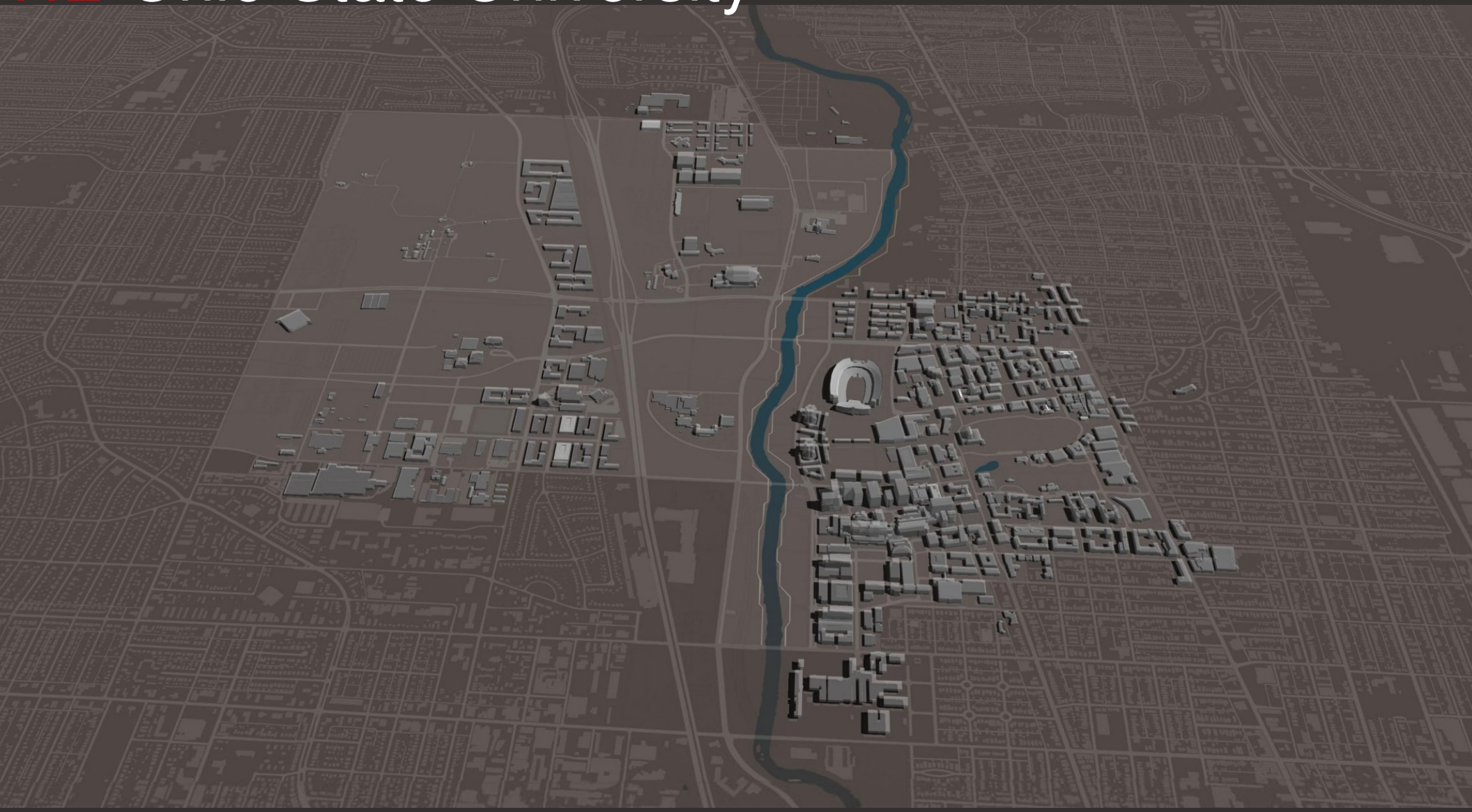
Civic Infrastructure

- Invest in infrastructure, transportation, transit, and open space
- Develop a pedestrian core
- Make the campus navigable with a restored street network
- Park once (or not at all) using remote reservoirs

Underlying Concepts

HE OHIO STATE UNIVERSITY

THE Ohio State University



INTEGRATED PLANNING and governance

Tools Enable The Process: Visualizer

Data for Classroom Pool

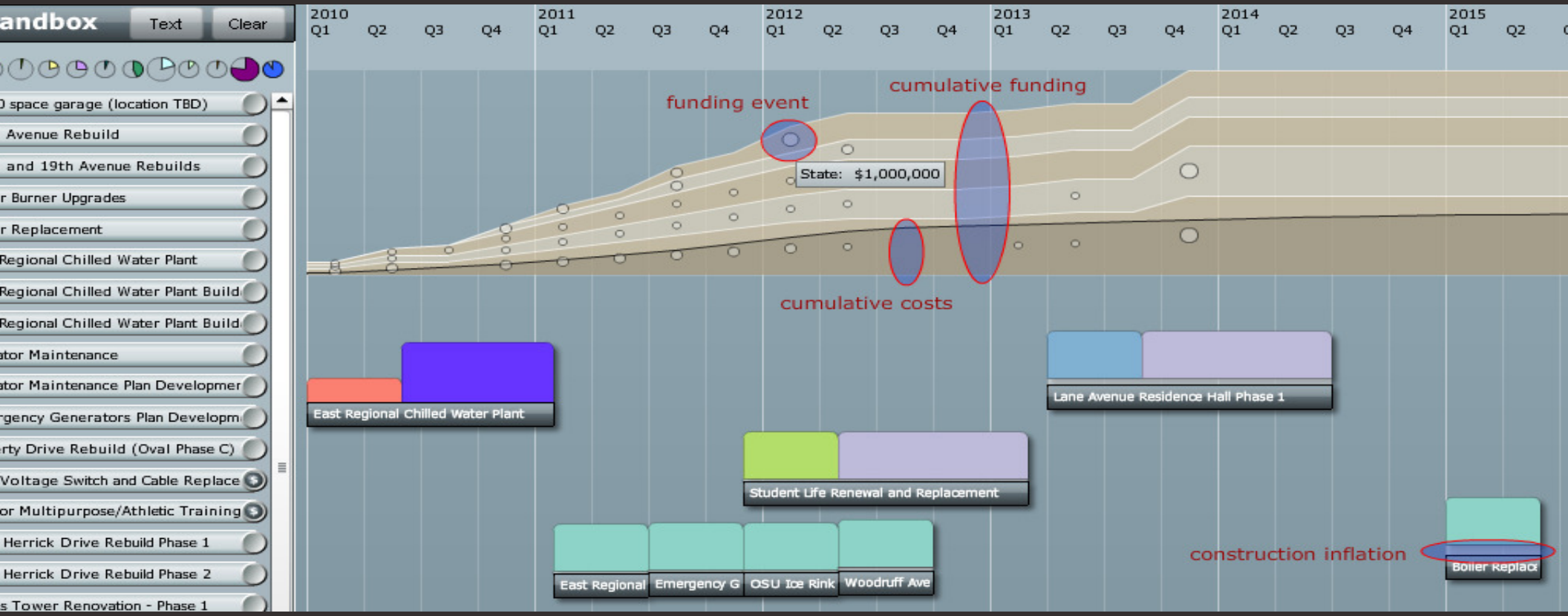
By: Building then (optional) GO

List All Rooms

Name	# Rooms	ASF (sf)	Average (sf)
Total assignable	473	359,369	760
LAZENBY HALL, WILLIAM RANE	6	5,539	923
PSYCHOLOGY BUILDING	3	4,798	1,599
ARPS HALL, GEORGE F.	10	6,014	601
PAGE HALL, HENRY FOLSOM	4	4,384	1,096
DULLES HALL, FOSTER RHEA	5	1,968	394
UNIVERSITY HALL	17	9,919	583
DERBY HALL, SAMUEL C.	10	5,487	549
HITCHCOCK HALL, EMBURY A.	7	11,460	1,637
JENNINGS HALL, EDWARD H (PREV B&Z)	10	8,702	870
HAGERTY HALL, JAMES E.	21	10,974	523
RAMSEYER HALL	8	7,136	892
INDEPENDENCE HALL	4	7,476	1,869
AGRICULTURAL ENGINEERING BUILDING	3	4,538	1,513
AVIATION BUILDING	14	5,797	414
STILLMAN HALL, CHARLES C.	10	7,357	736
MENDENHALL LABORATORY, THOMAS C.	14	9,480	677
VIVIAN HALL, ALFRED	2	2,070	1,035
CALDWELL LABORATORY, FRANK C.	15	9,865	658
KOTTMAN HALL, ROY M	7	6,708	958
PARKS HALL, LLOYD M.	8	6,265	783
SULLIVANT HALL, JOSEPH	1	6,065	6,065
SCHOENBAUM UNDERGRAD PROGRAM BLDG	37	19,071	515
JOURNALISM BUILDING	12	6,911	576
AGRICULTURAL ADMINISTRATION BLDG	3	2,569	856
ORTON HALL, EDWARD SR	1	1,343	1,343
CELESTE LABORATORY OF CHEMISTRY	2	839	420
DREESE LABORATORIES, ERWIN E.	15	8,841	589
BAKER SYSTEMS ENGINEERING, DAVID F	13	9,176	706

Tools Enable The Process: Prioritzer

Tools Enable The Process: Schedulizer



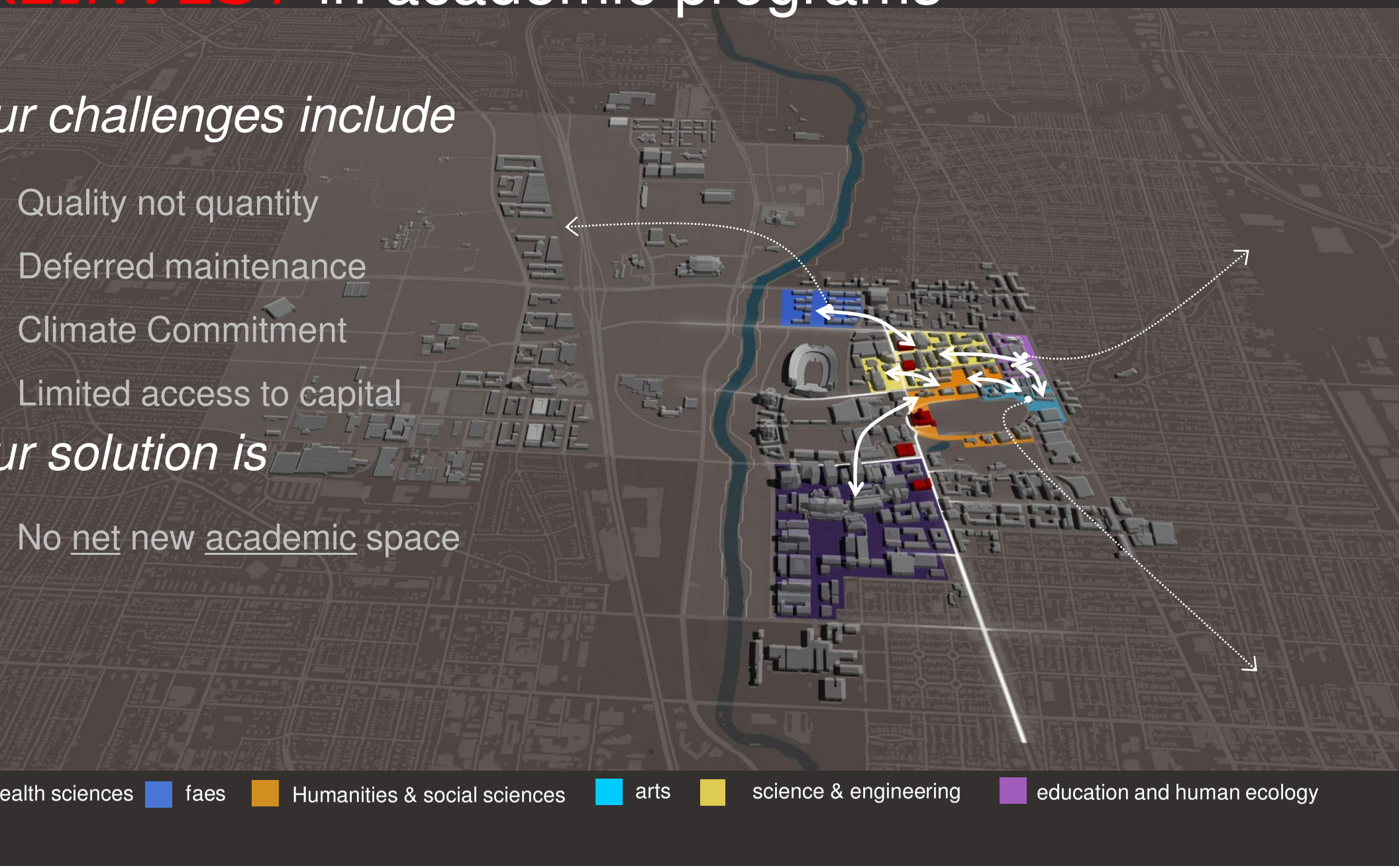
REINVEST in academic programs

ur challenges include

- Quality not quantity
- Deferred maintenance
- Climate Commitment
- Limited access to capital

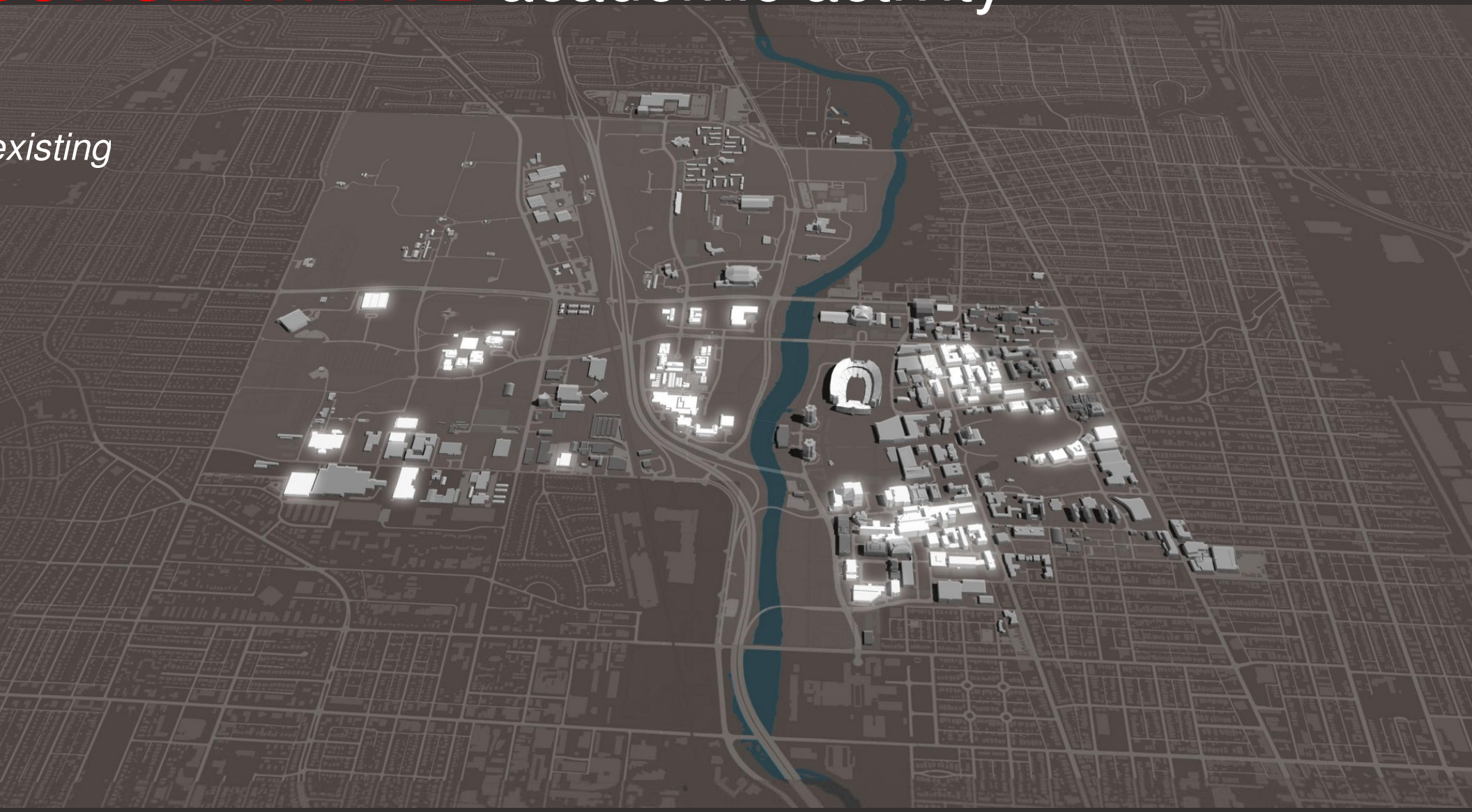
ur solution is

- No net new academic space



CONCENTRATE academic activity

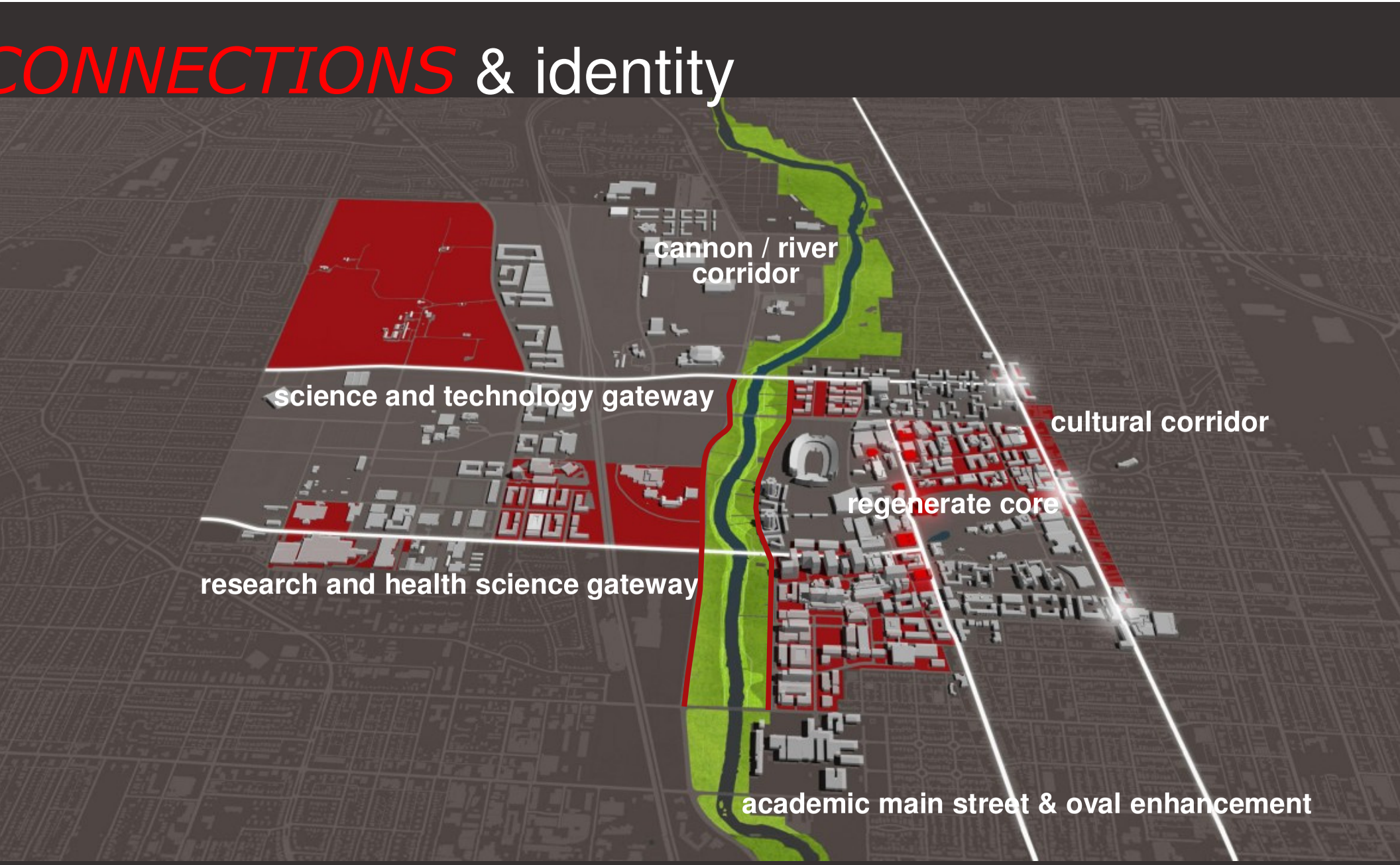
existing



CONCENTRATE academic activity

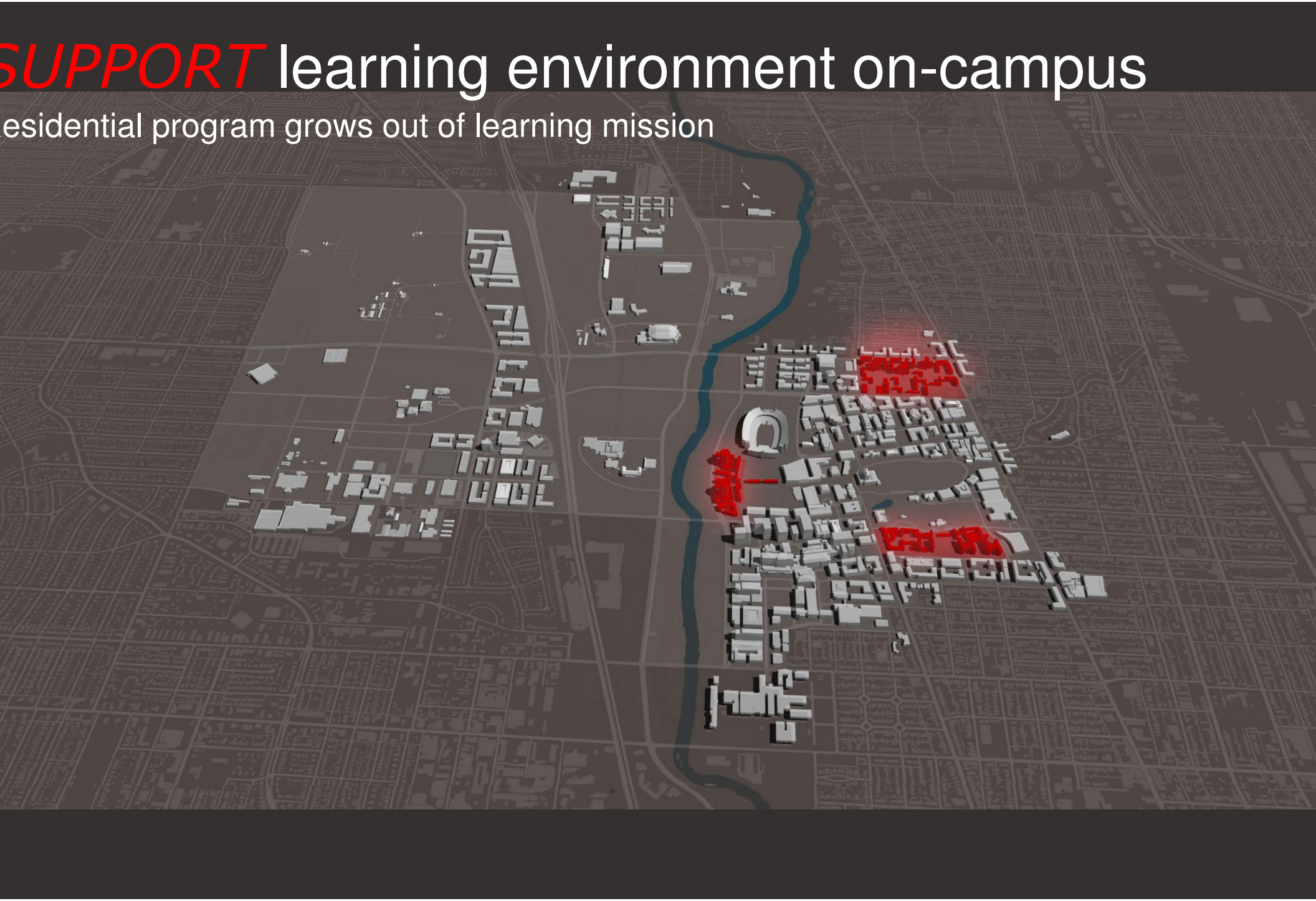
*deal

CONNECTIONS & identity



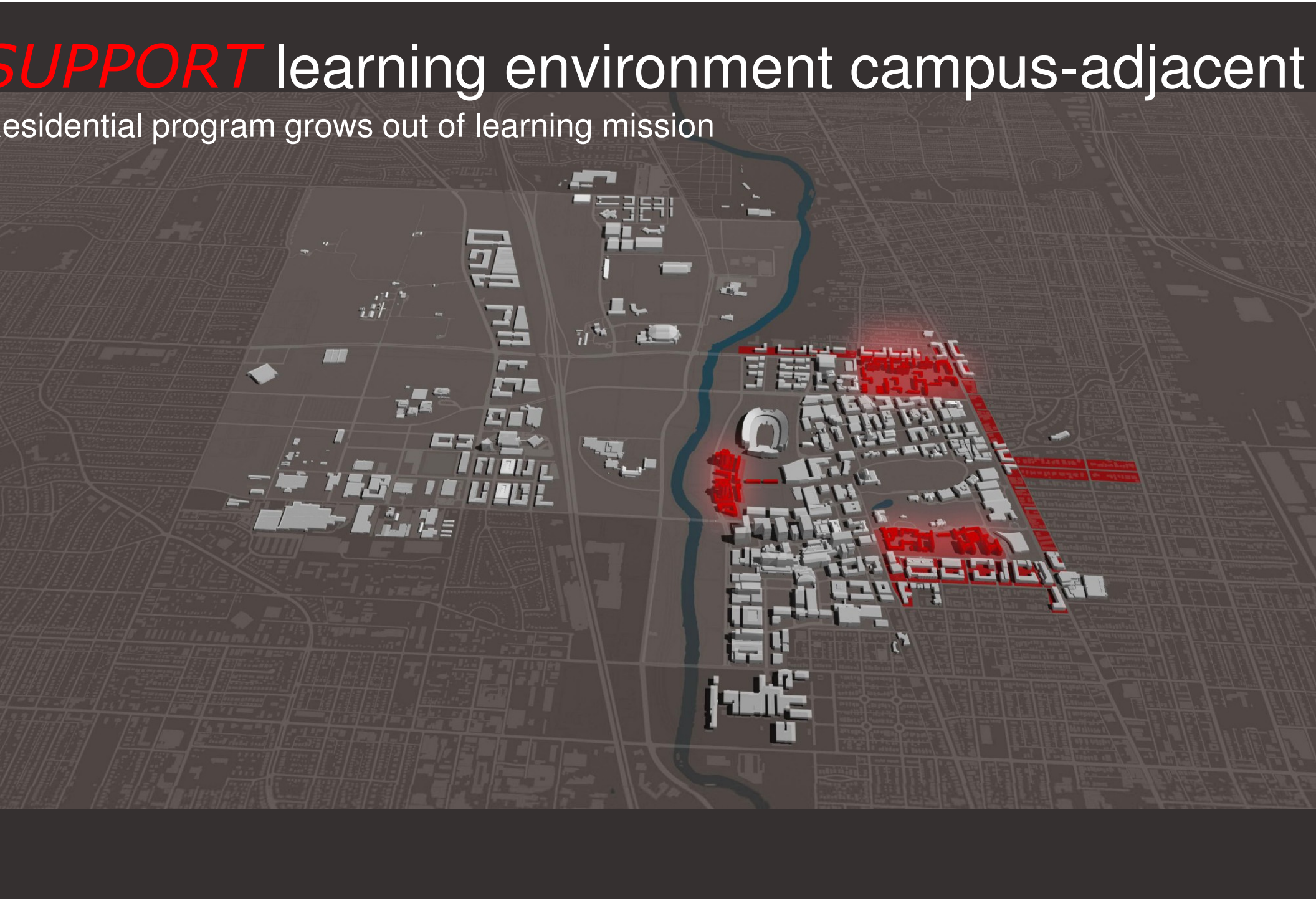
SUPPORT learning environment on-campus

esidential program grows out of learning mission



SUPPORT learning environment campus-adjacent

esidential program grows out of learning mission



SUPPORT learning environment in neighborhood

esidential program grows out of learning mission

SUPPORT residential activity

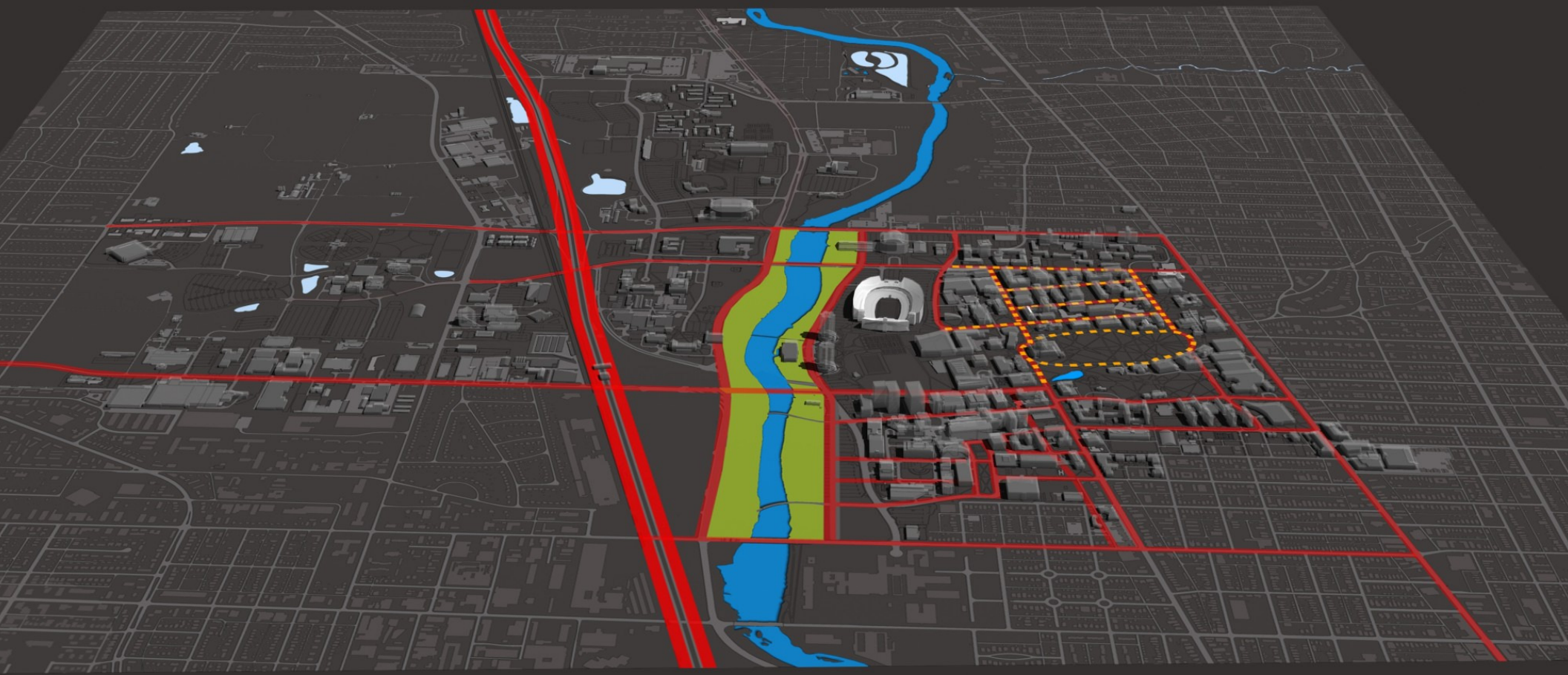
leet recreation needs, both programmed and passive

ENERGY and infrastructure

ential energy strategy

- regional chiller plants in core
- river and open space geothermal
- improve transit , campus adjacent housing
- green building standards
- combined heat and power plant
- energy conservation measures

reconceive *STREETS: integrated corridors*



econceive *STREETS AND CORRIDORS*

e-align Cannon Drive

econceive

xtend Kinnear Road

econceive

e-align Olentangy

econceive

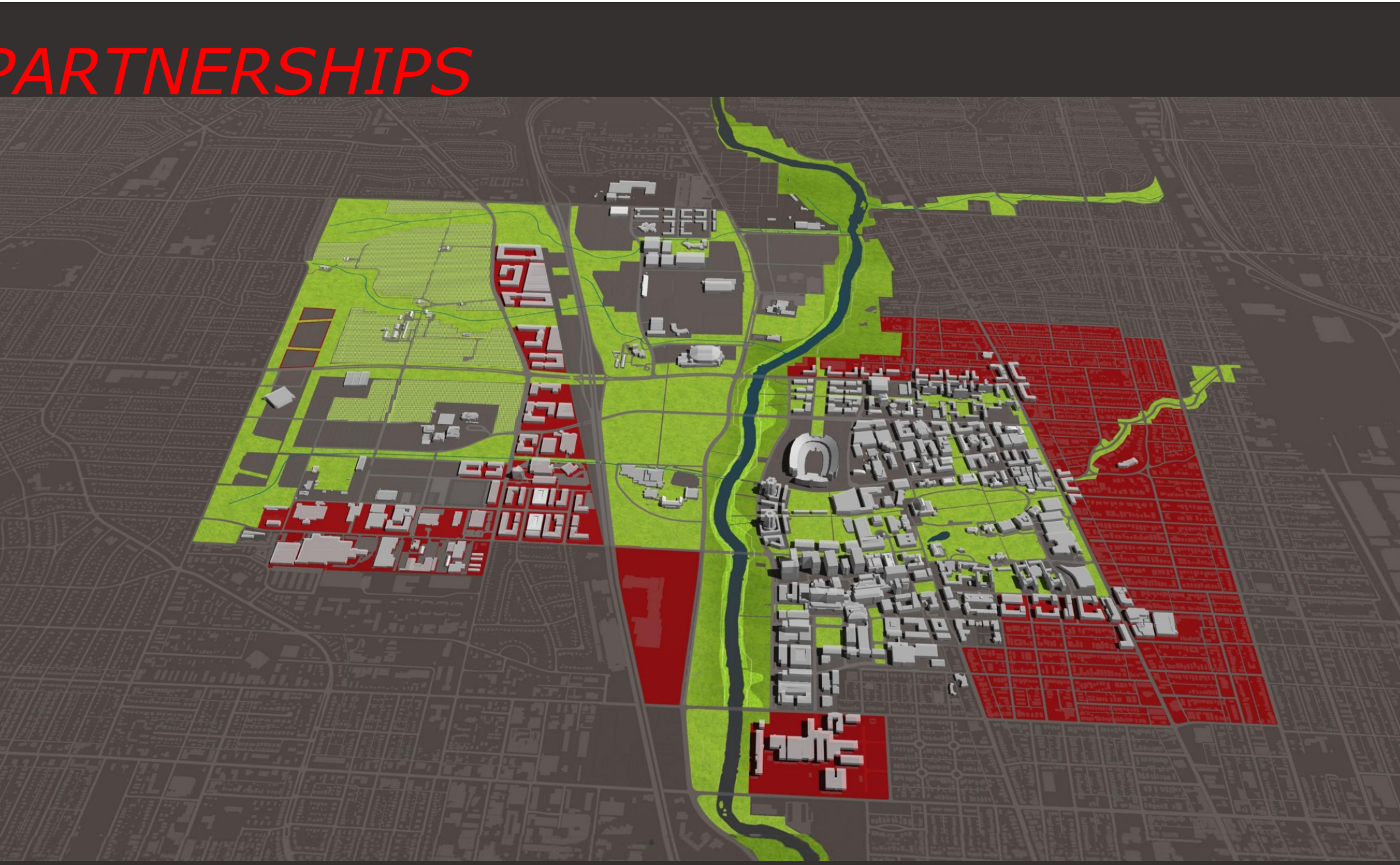
estore the network

econceive *STREETS AND CORRIDORS*

edestrianize the core

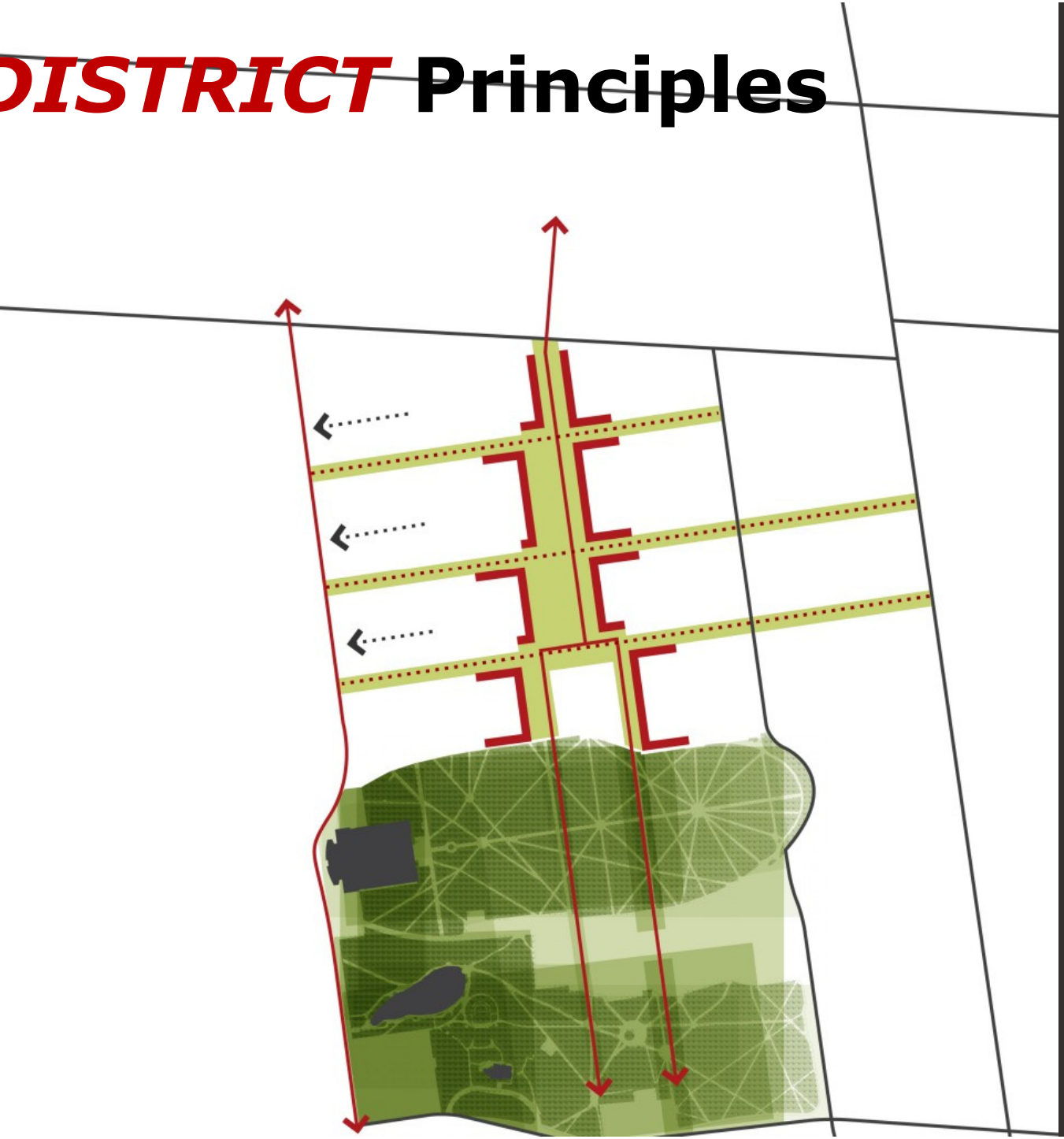
GREEN RESERVE : open space framework

PARTNERSHIPS



PRINCIPAL & SCENERIOS

DISTRICT Principles



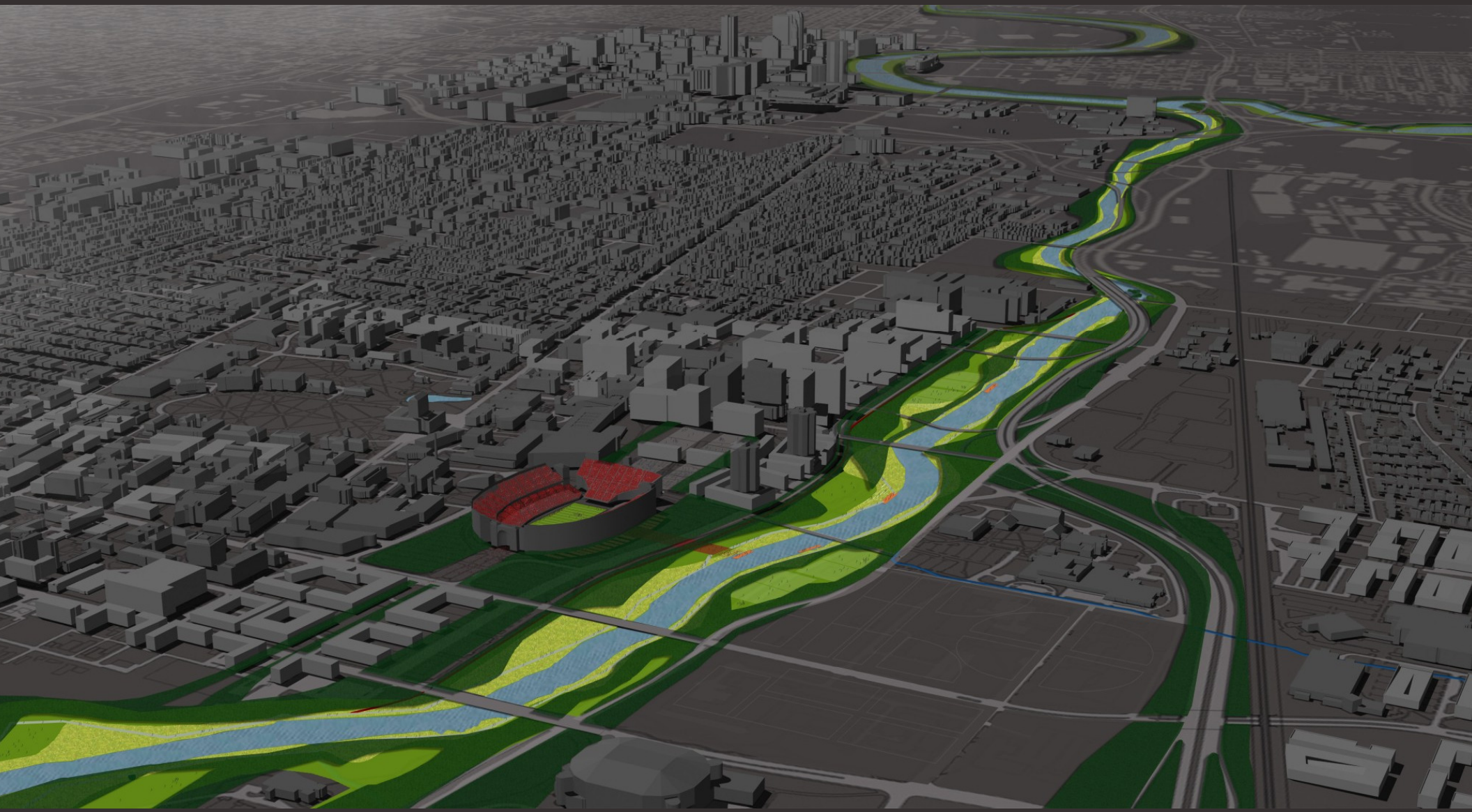
ISTRICT
CENERIOS

enhance *THE CANNON/RIVER CORRIDOR*

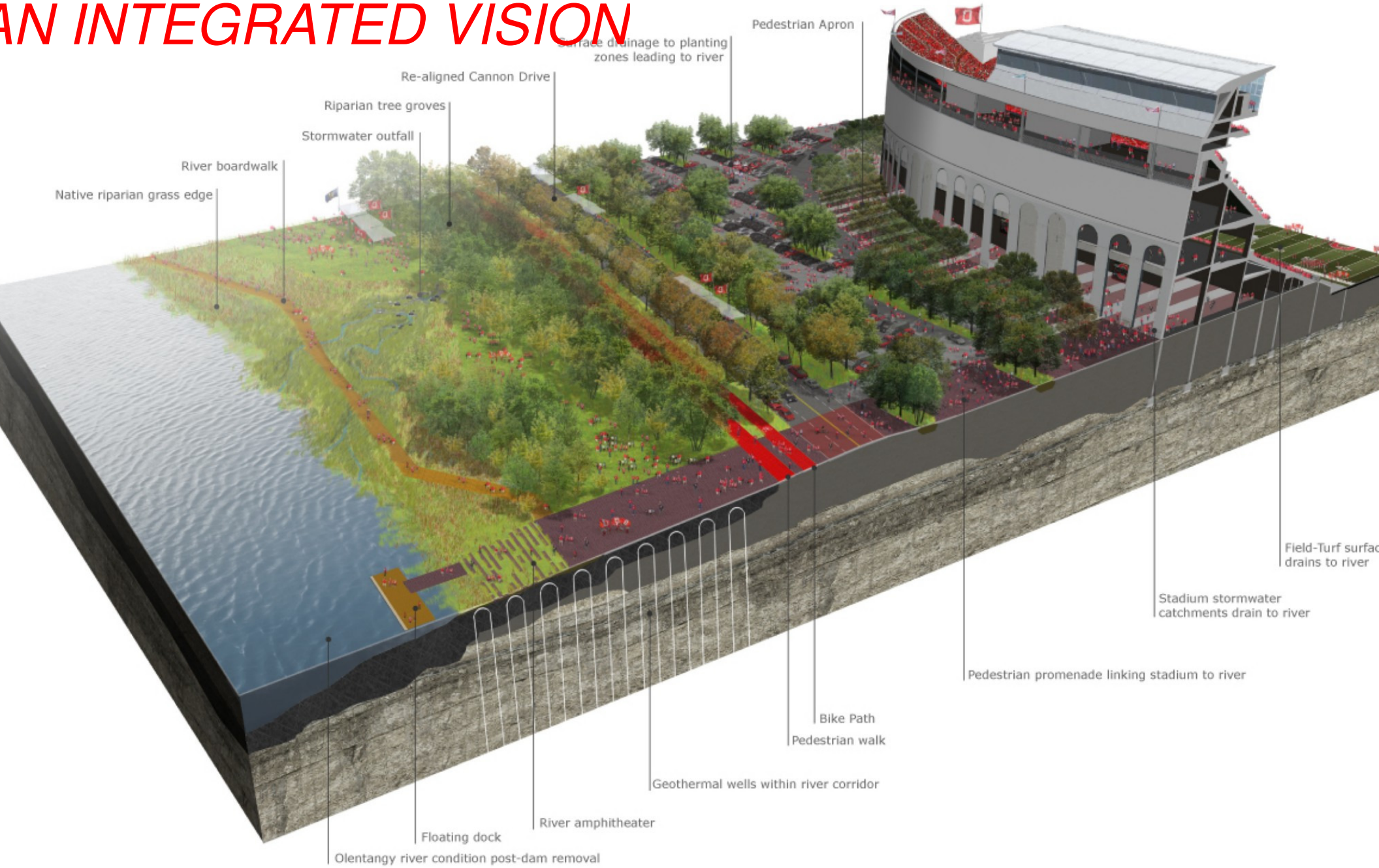
Before

enhance *THE CANNON/RIVER CORRIDOR*

After



AN INTEGRATED VISION



enhance *THE CANNON/RIVER CORRIDOR*

Before

enhance *THE CANNON/RIVER CORRIDOR*

After

enhance *THE CANNON/RIVER CORRIDOR*

Before

enhance *THE CANNON/RIVER CORRIDOR*

After

RECONCEIVE Streets : Academic Main Street

Before

RECONCEIVE Streets : Academic Main Street

After

IMPLEMENTATION

6 projects in 5 years

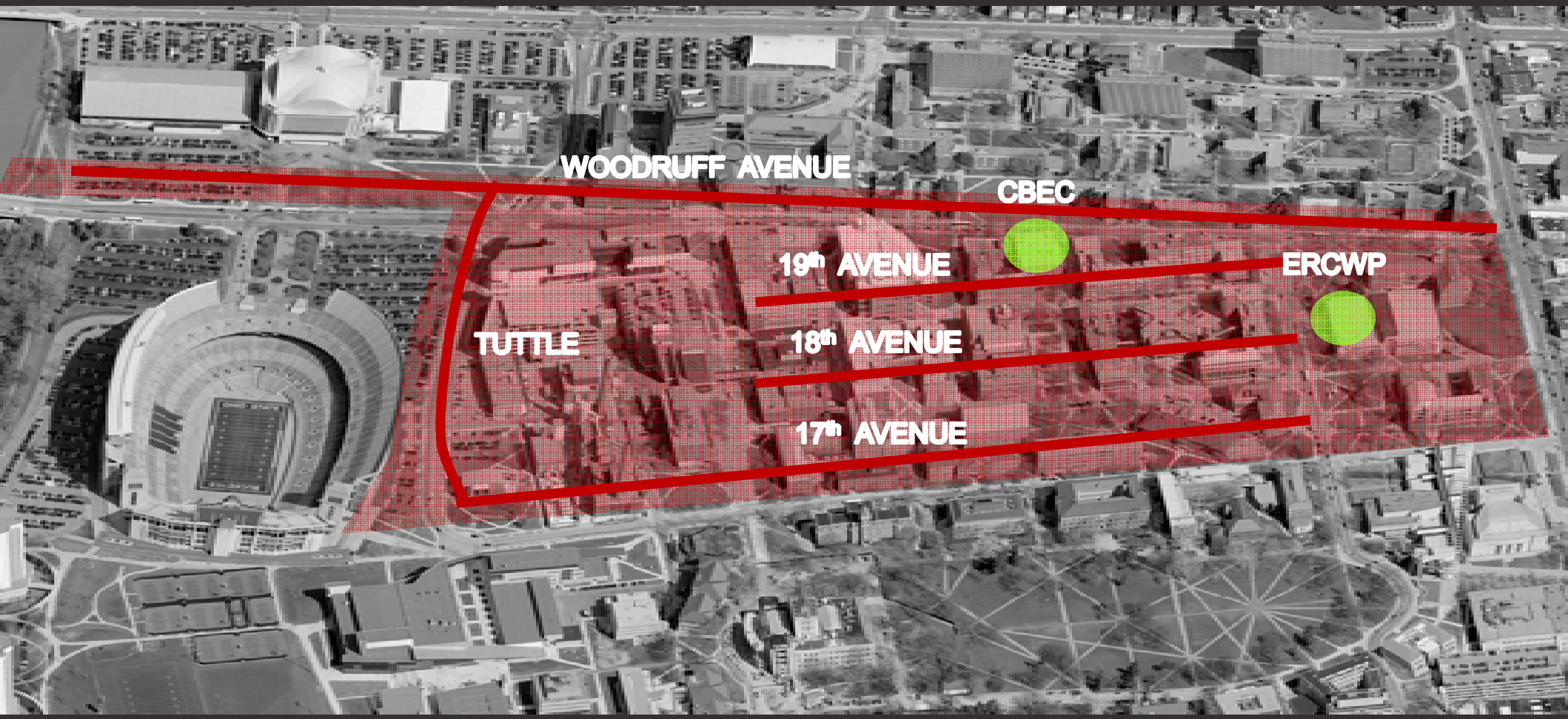
Underway and consistent with Framework Principles

1. Project One
2. South High Rises
3. Chemical & Biomolecular Engineering and Chemistry (CBEC)
4. East Regional Chiller and South Campus Chiller Plants

Potential next priorities

5. The River
6. Pedestrian Priority Plan

ACADEMIC CORE NORTH



ACADEMIC CORE NORTH PROJECTS

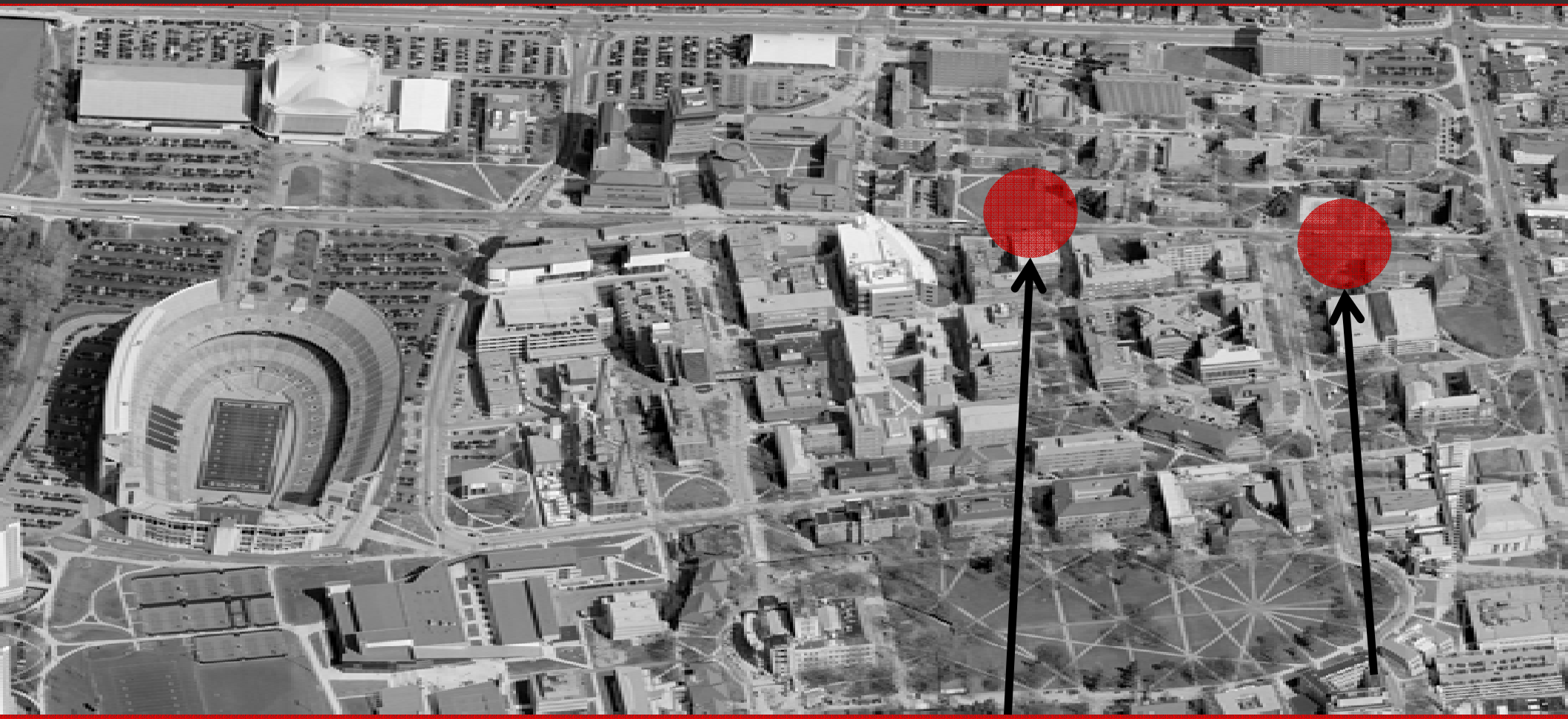
Pedestrianize the Core : 18th Avenue

before

Pedestrianize the Core : 18th Avenue

ıfter

ACADEMIC CORE NORTH



ACADEMIC CORE NORTH PROJECTS

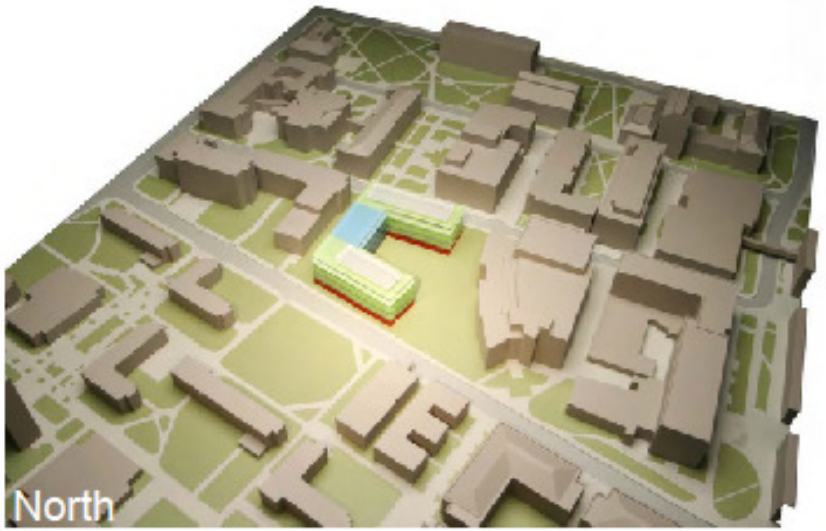
CBEC actions speak louder than words

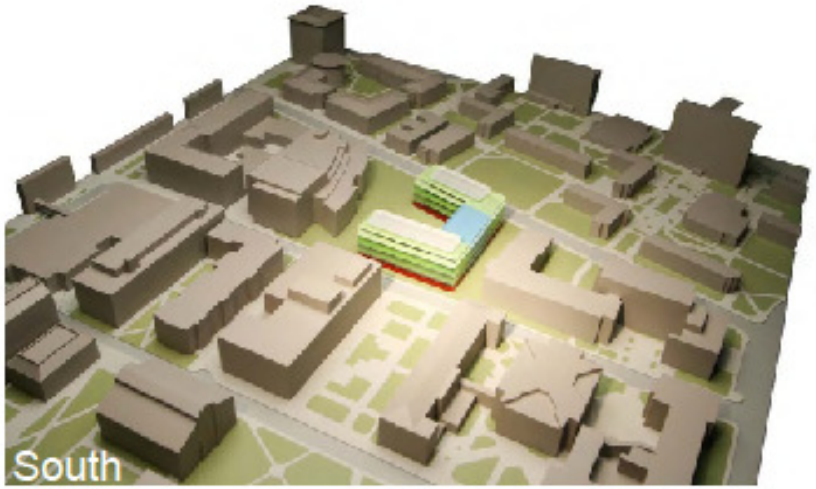
		BJAH	LH	SO*
Basic Facts	TOTAL COST	$270M	$260M	$273M
	Phase 1 Cost	$183M	$166M	$186M
	Phase 2 Cost	$87M	$94M	$87M
	Phase 1 Complete	4Q 2014	1Q 2014	4Q 201
	Phase 2 Complete	3Q 2019	4Q 2018	3Q 201
	Demos (Reduced Operating Costs)	6	2	5
	FCI upon completion			
	Available Sites (ASF)	278K	153K	233K
Principles	Framework Alignment	✓ YES	no	no
	Academic Neighborhoods/ Adjacencies/ Flexibility	✓ YES	no	no
	RDM Addressed	✓ $118M	$90M	$105M
	Net Square Feet (No Net New SF)	✓ (- 41,000 GSF)	+ 40,000 GSF	+ 5,000

**For comparison purposes only.*


Woodruff Avenue
Smith Lab
McPherson

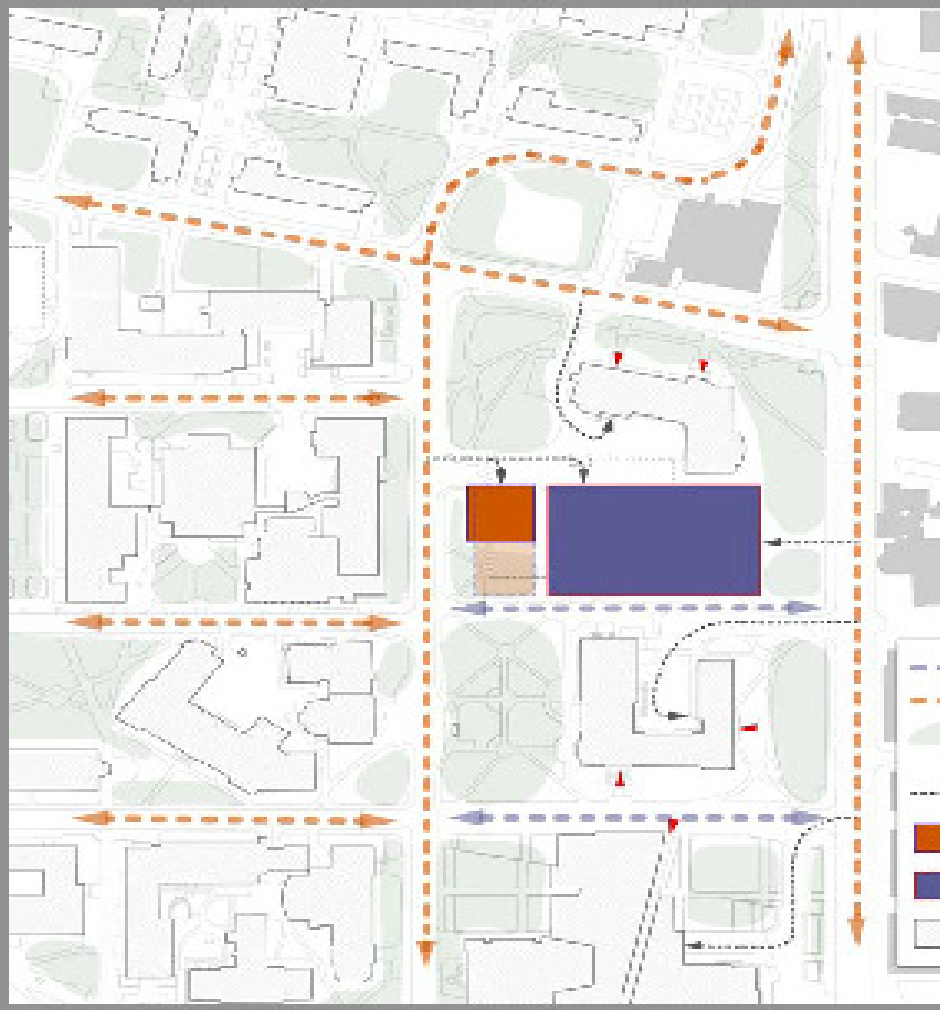
Option I


North

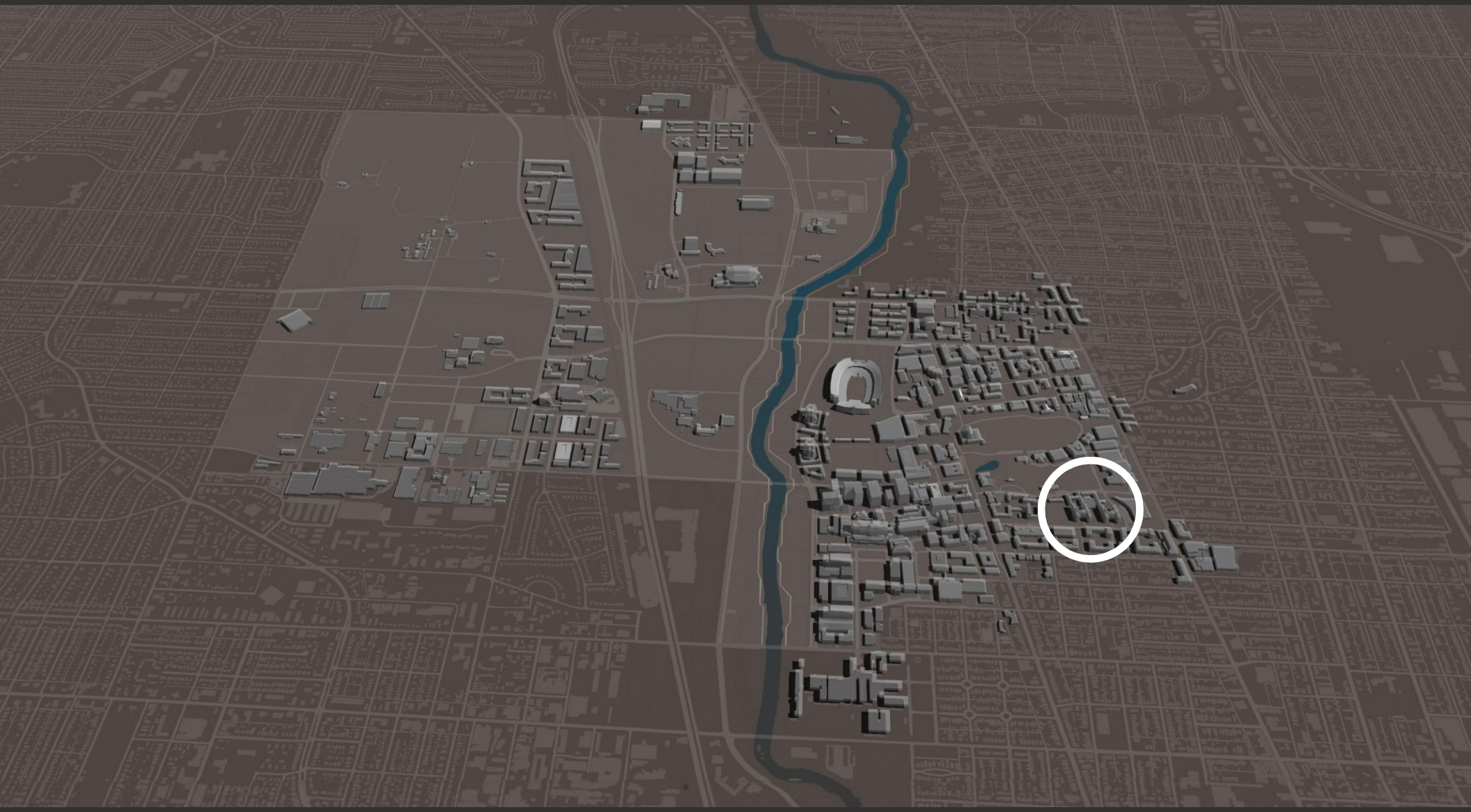

South


KEY
Lab
Lab Write-up
Faculty Office
Administrative Office
Teaching Lab
Core
Circulation

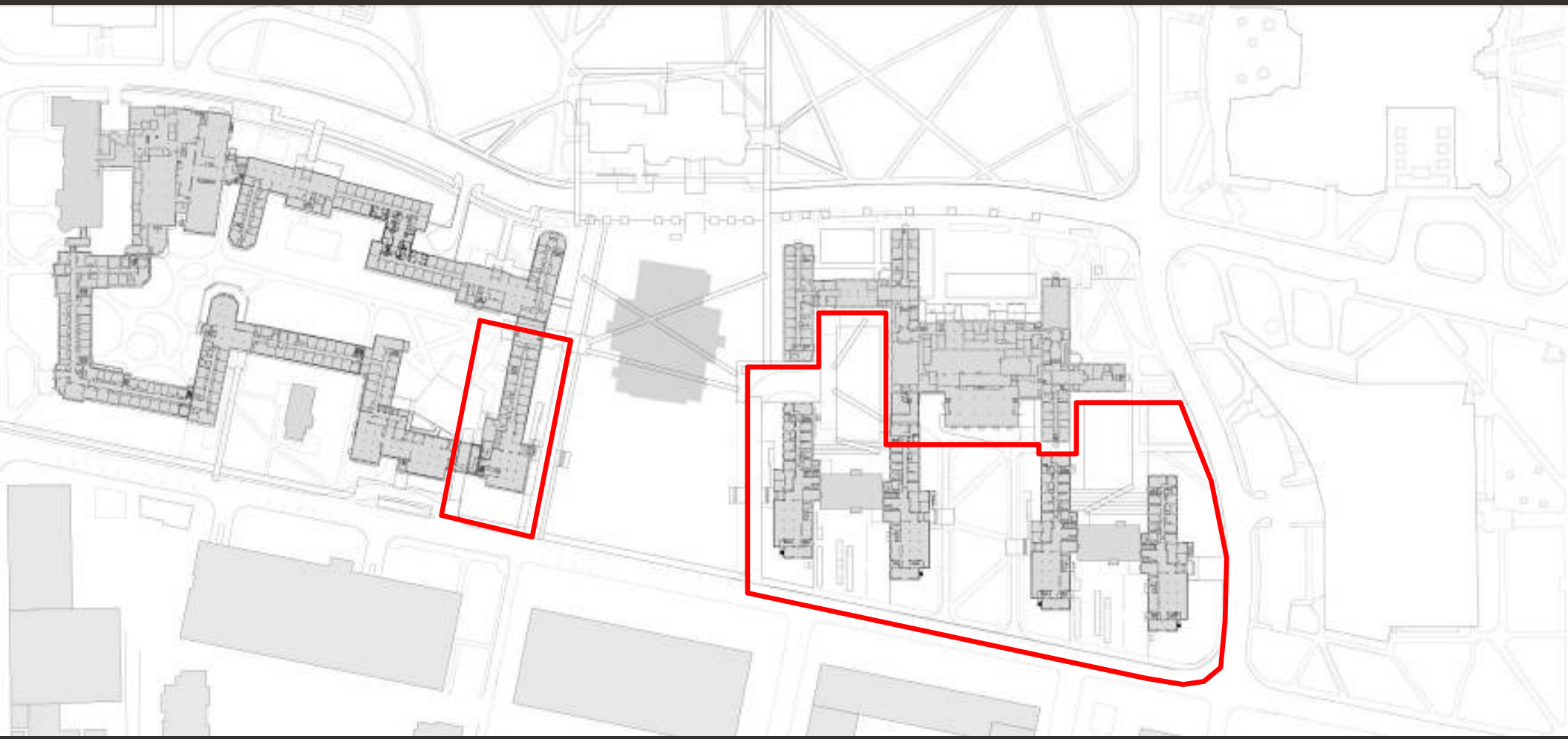
ast Regional Chiller Plant



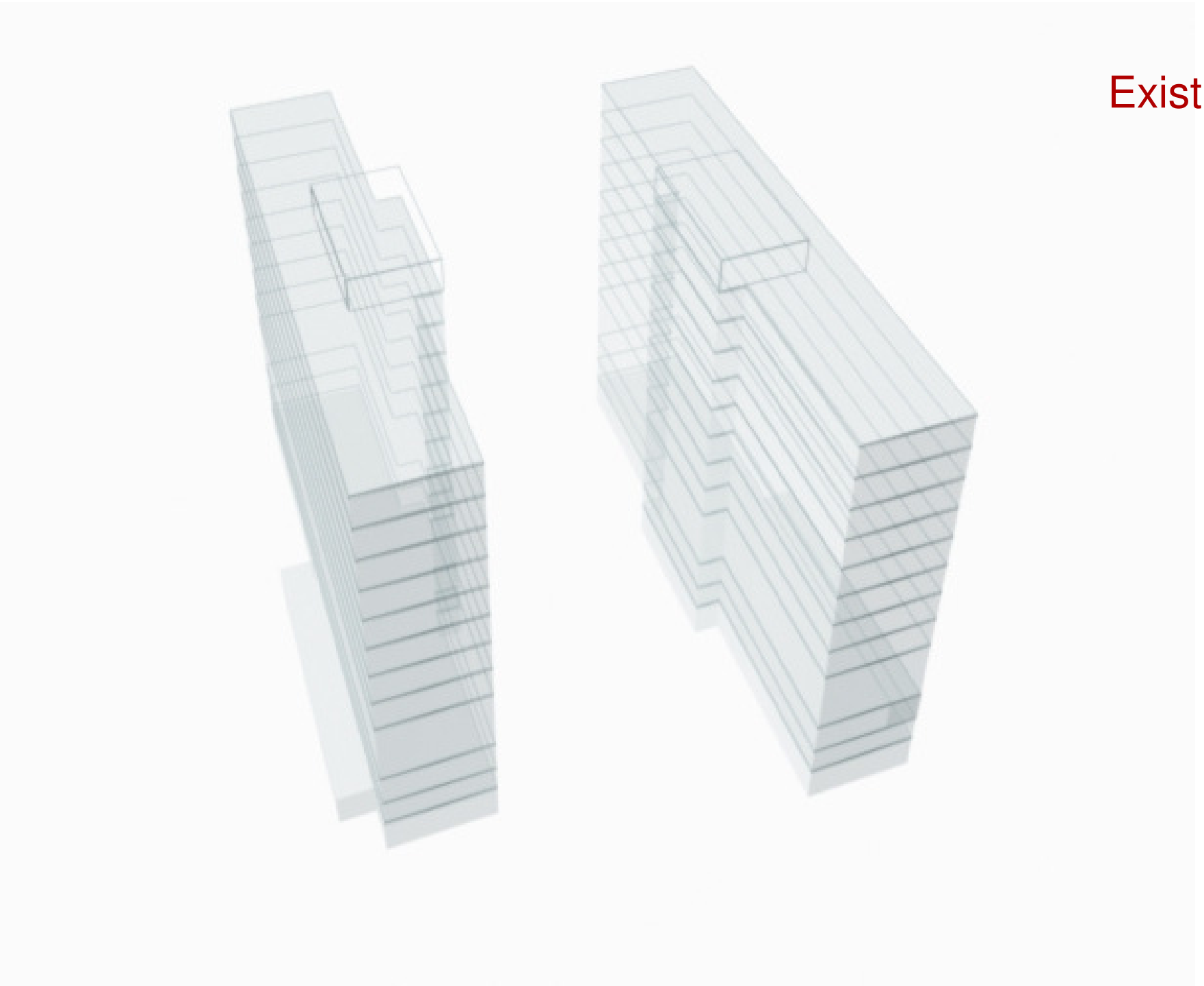
SOUTH HIGH RISES

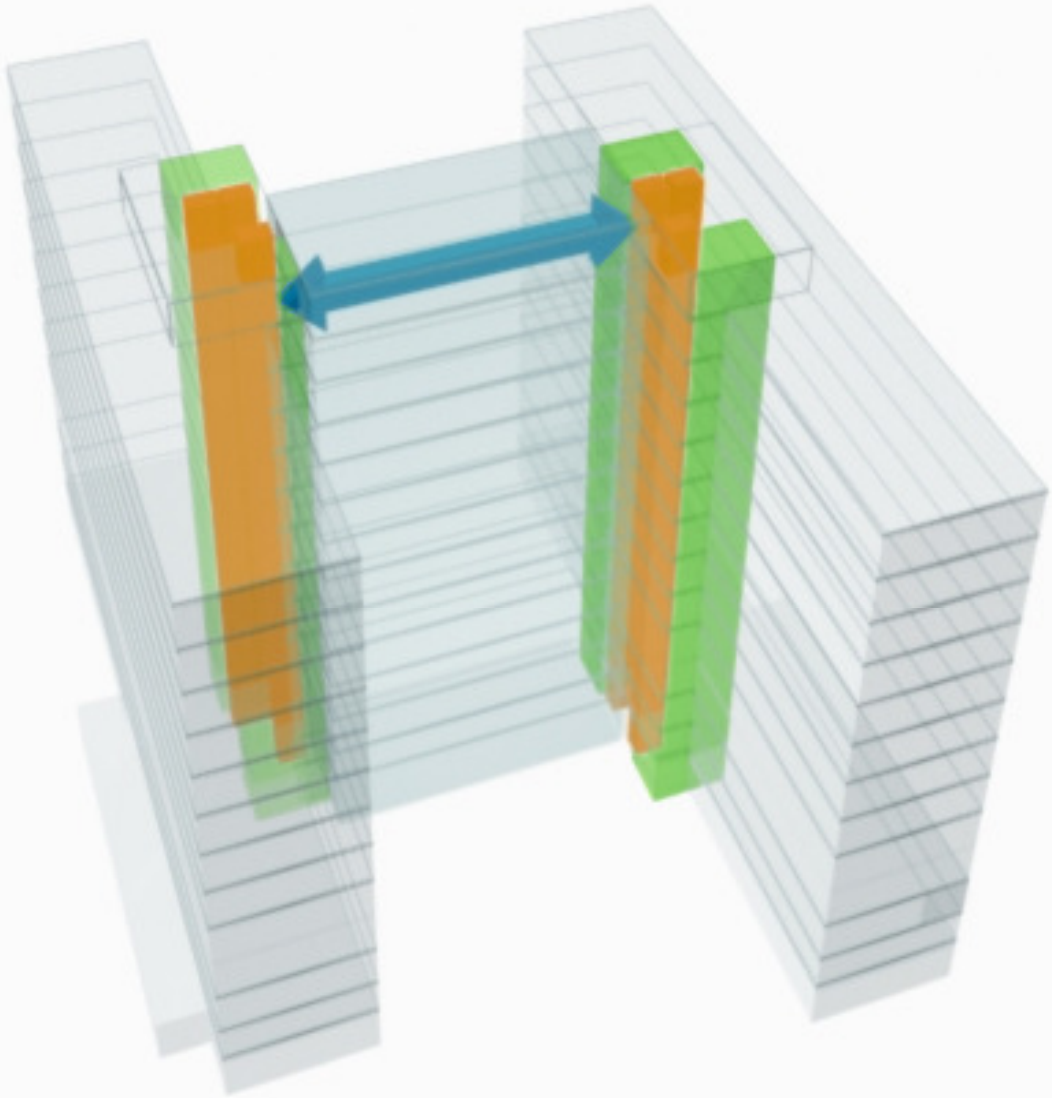


OUTH HIGH RISES



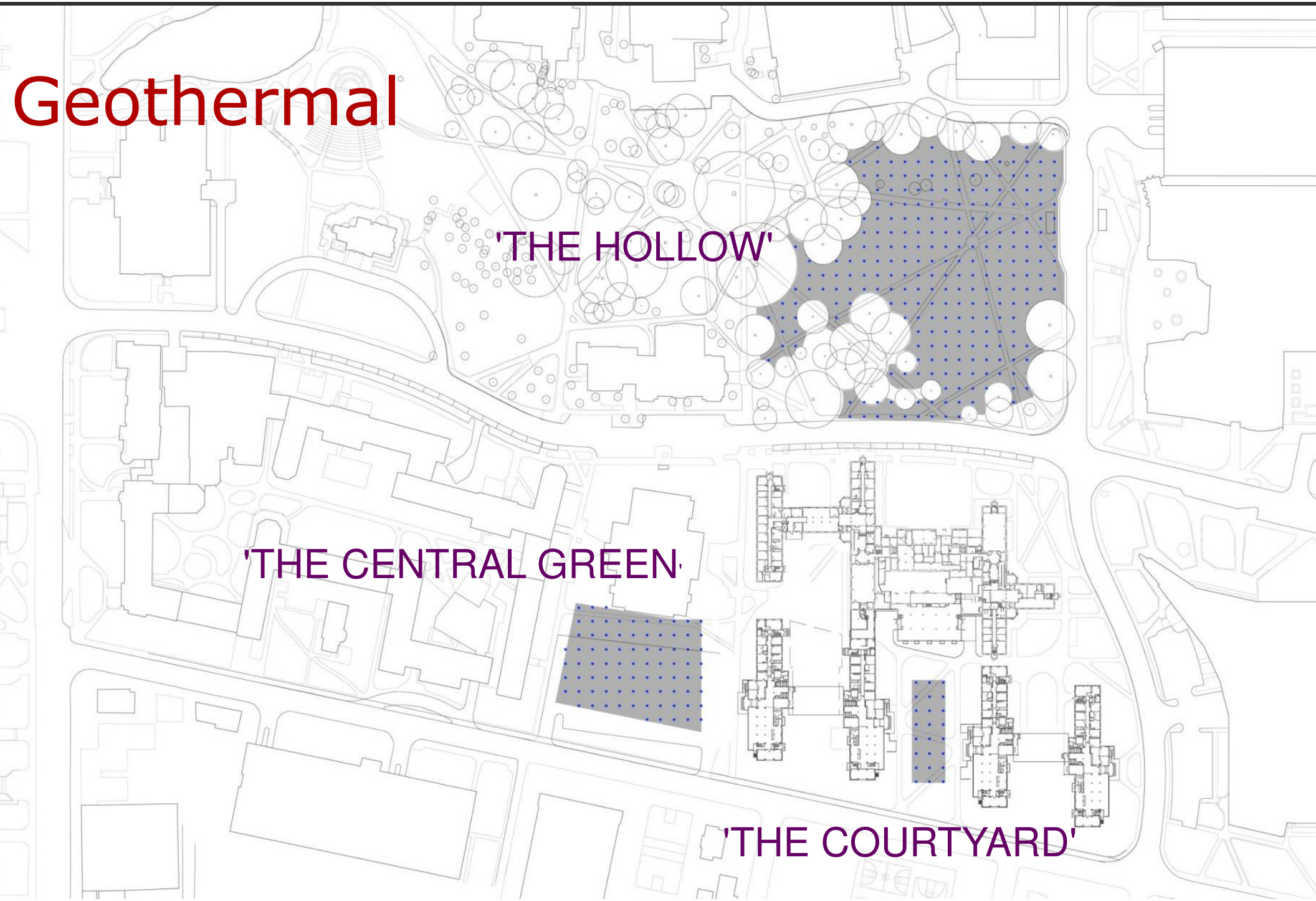
Existing Highrises



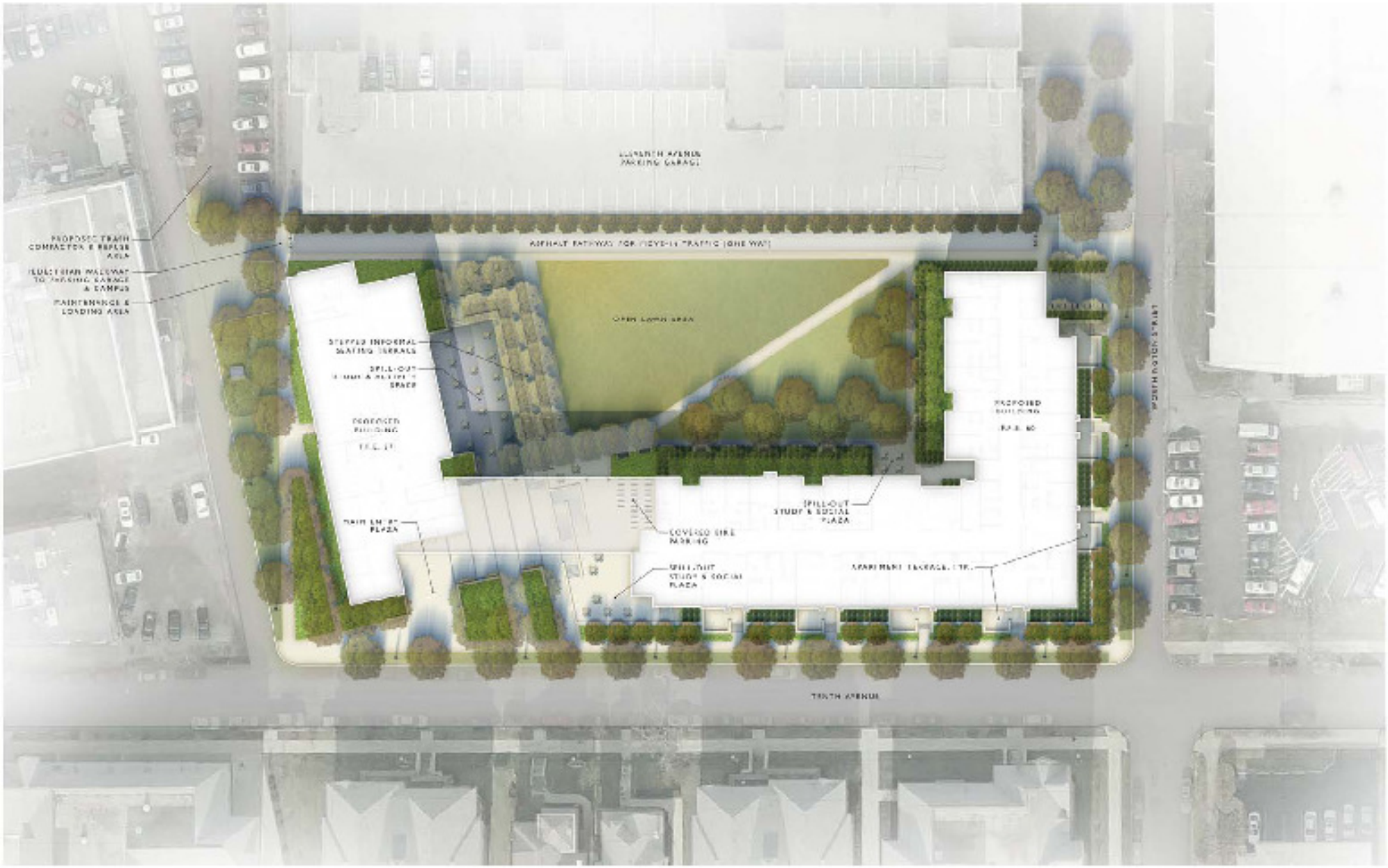


Elevators &
Bathrooms

Geothermal



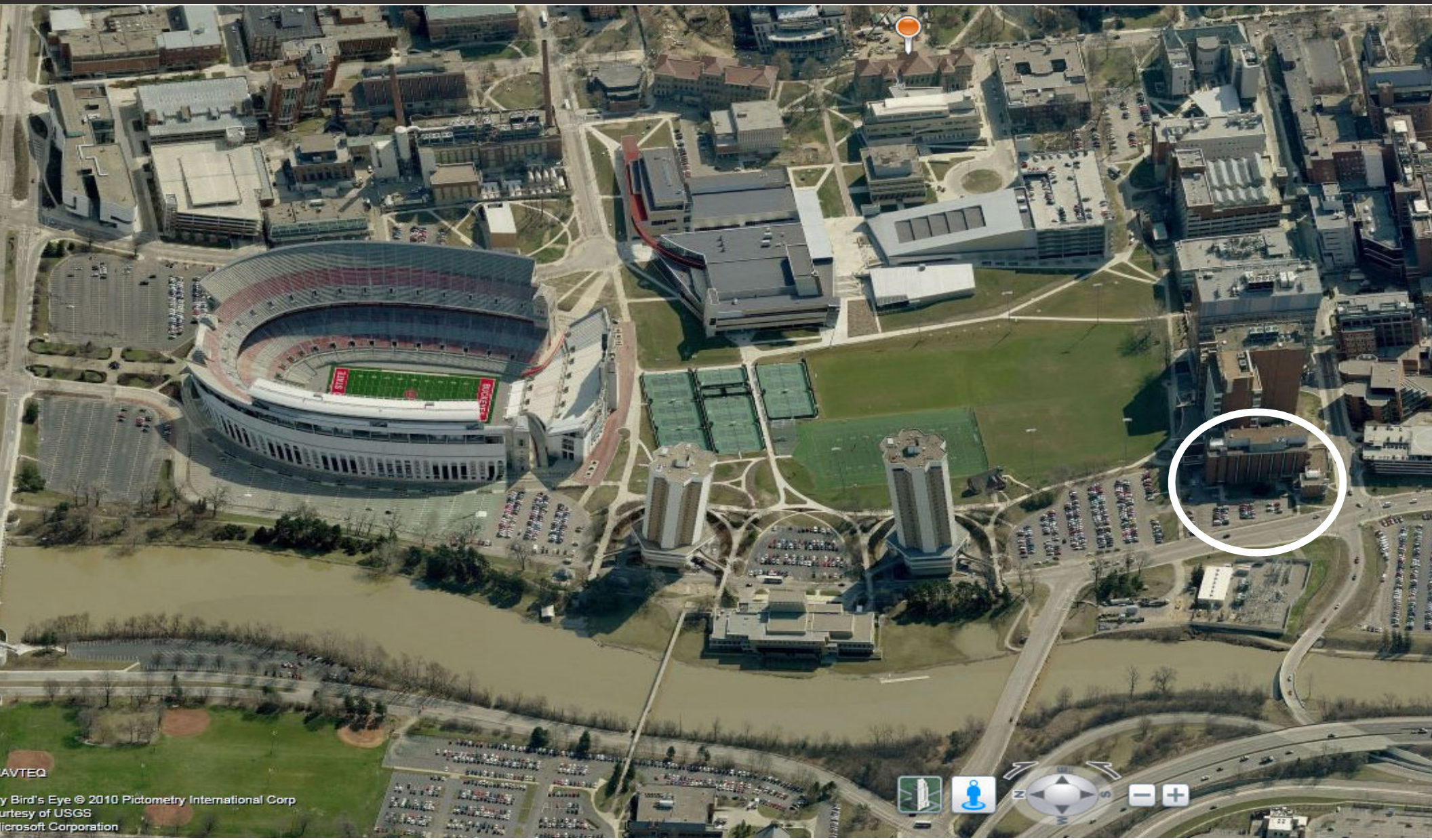
HALL COMPLEX



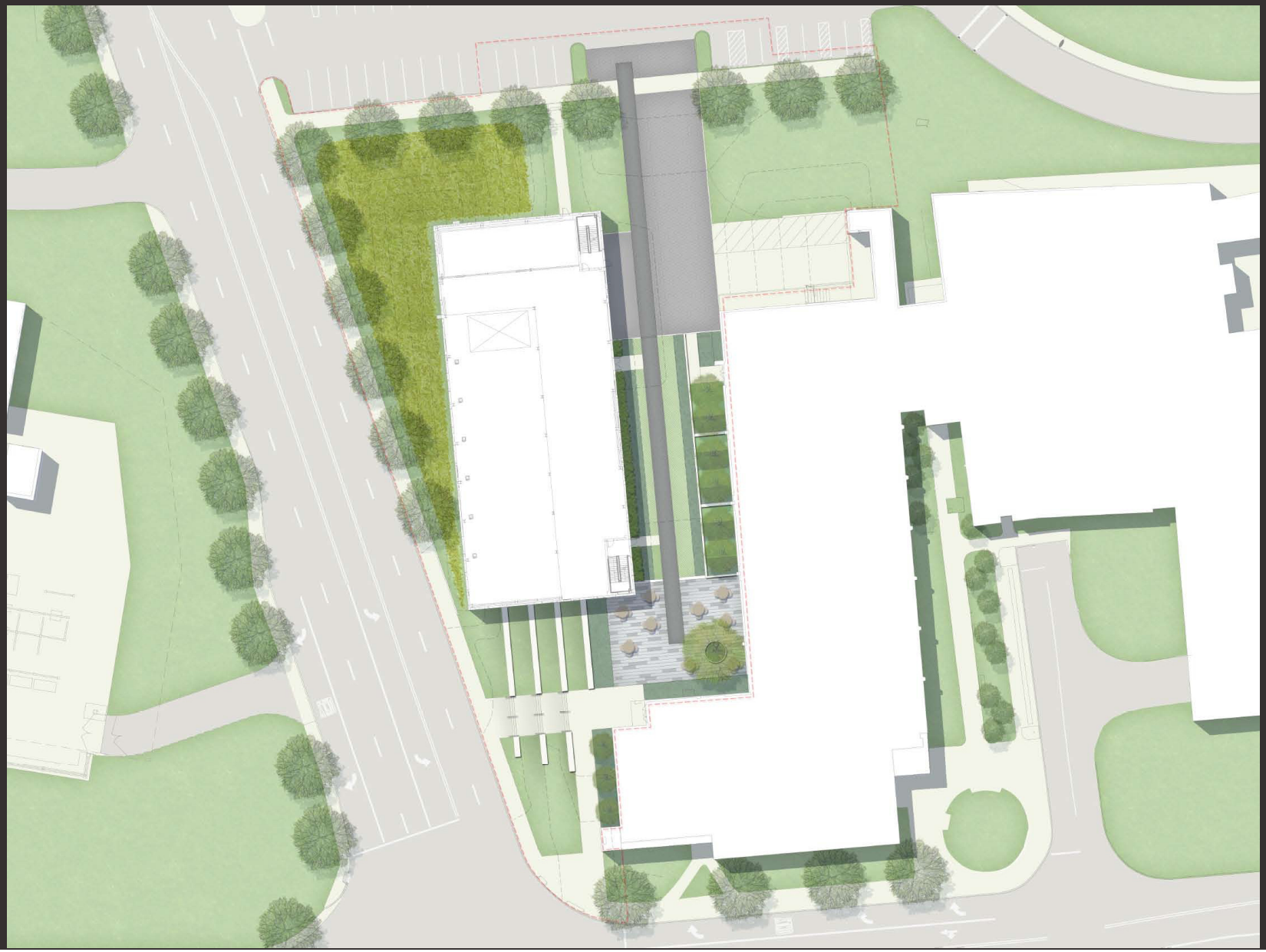
Schematic Submittal Site Plan

HALL COMPLEX

South Campus Chiller Plant



South Campus Chiller Plant



South Campus Chiller Plant

reconceive *STREETS AND CORRIDORS*

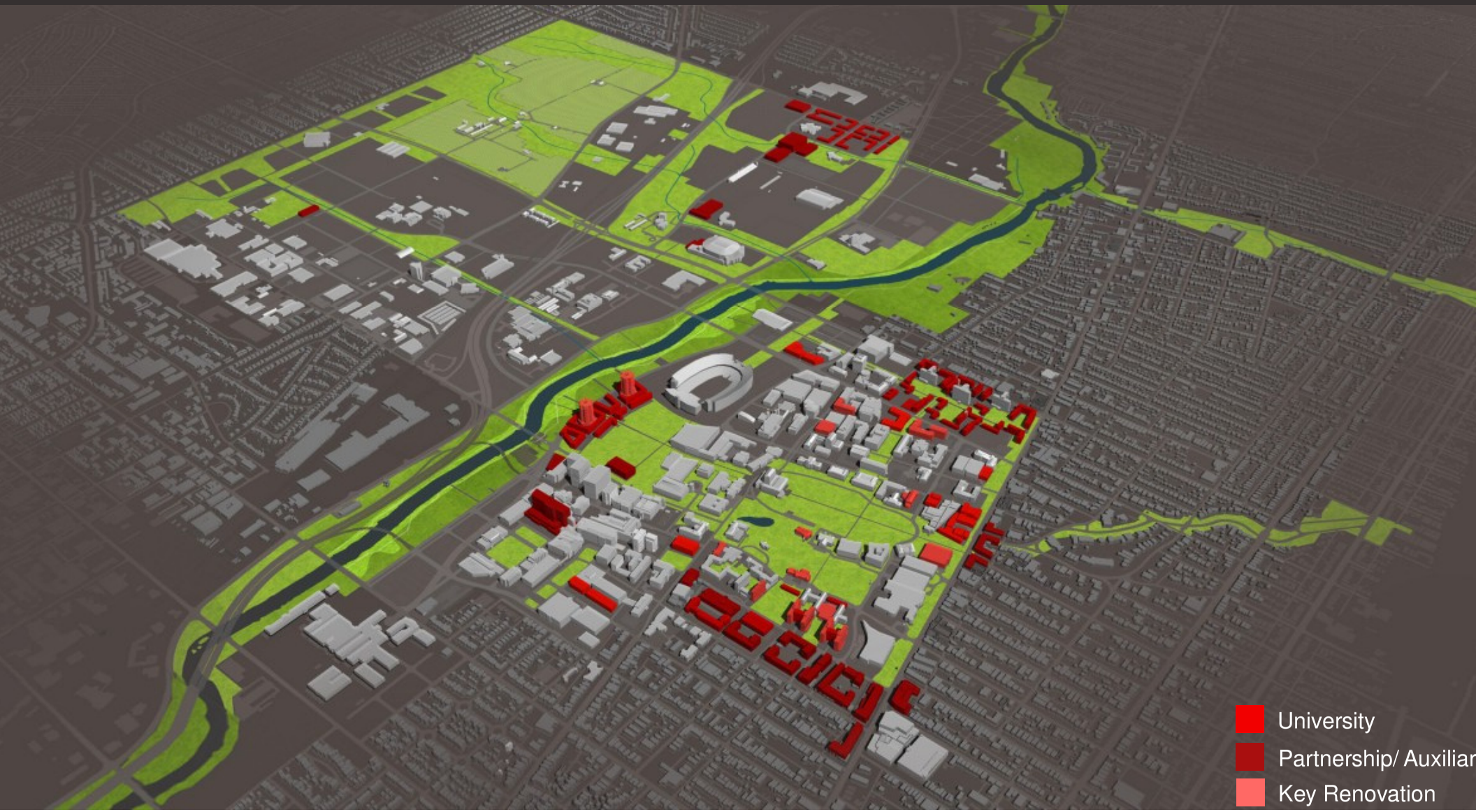
Kinnear Extension

Kinnear Extension

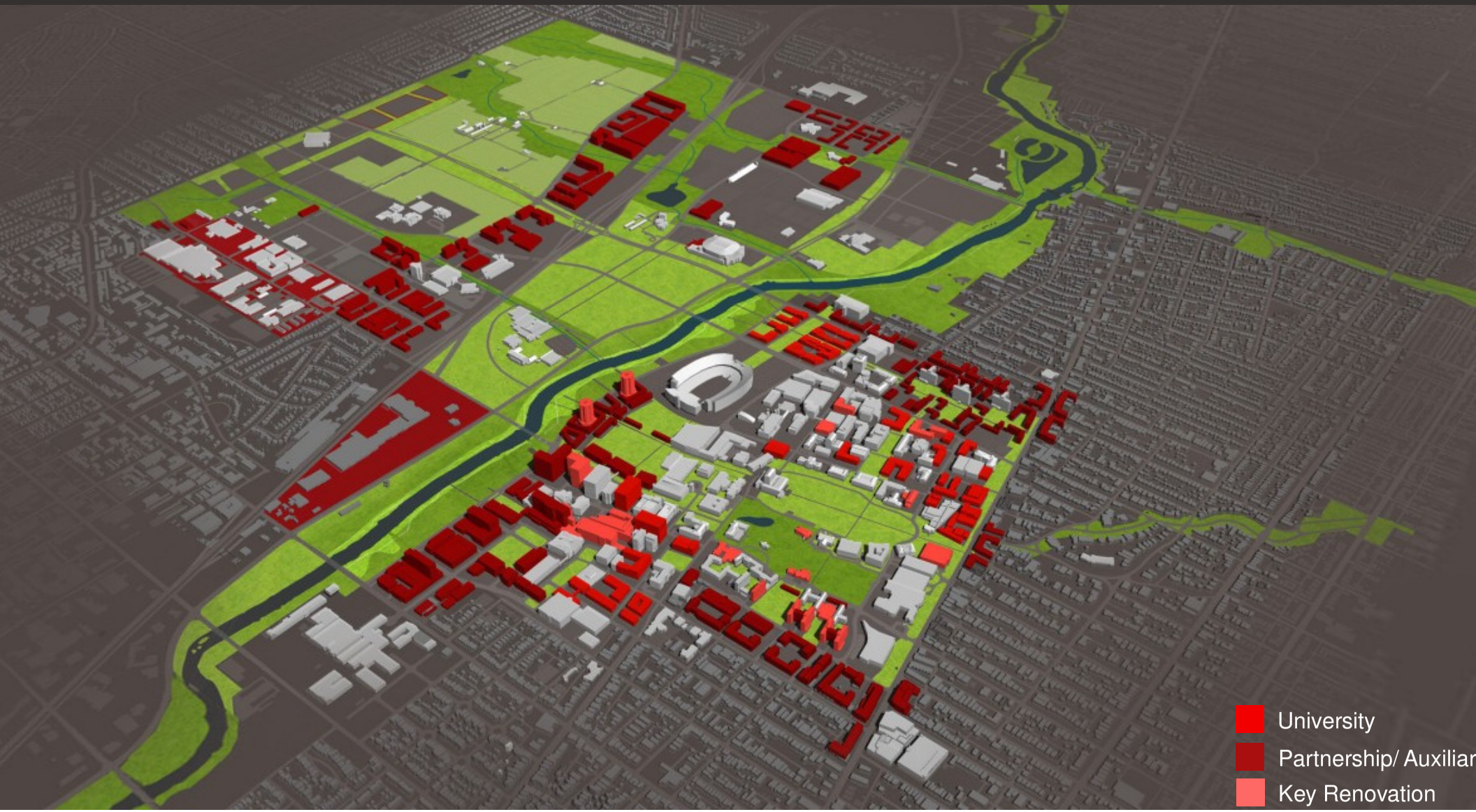
FUTURE CONDITION

Looking east down the Kinnear Extension

RAMEWORK VISION near term (10–20 years



FRAMEWORK VISION long-term vision



ONE

MISSION

VISION

OHIO STATE