

LIVING BUILDING CHALLENGESM 2.1

A Visionary Path to a Restorative Future

www.livingbuildingchallenge.org



INTERNATIONAL
LIVING FUTURE
INSTITUTE™



SITE



WATER



ENERGY



HEALTH



MATERIALS



EQUITY

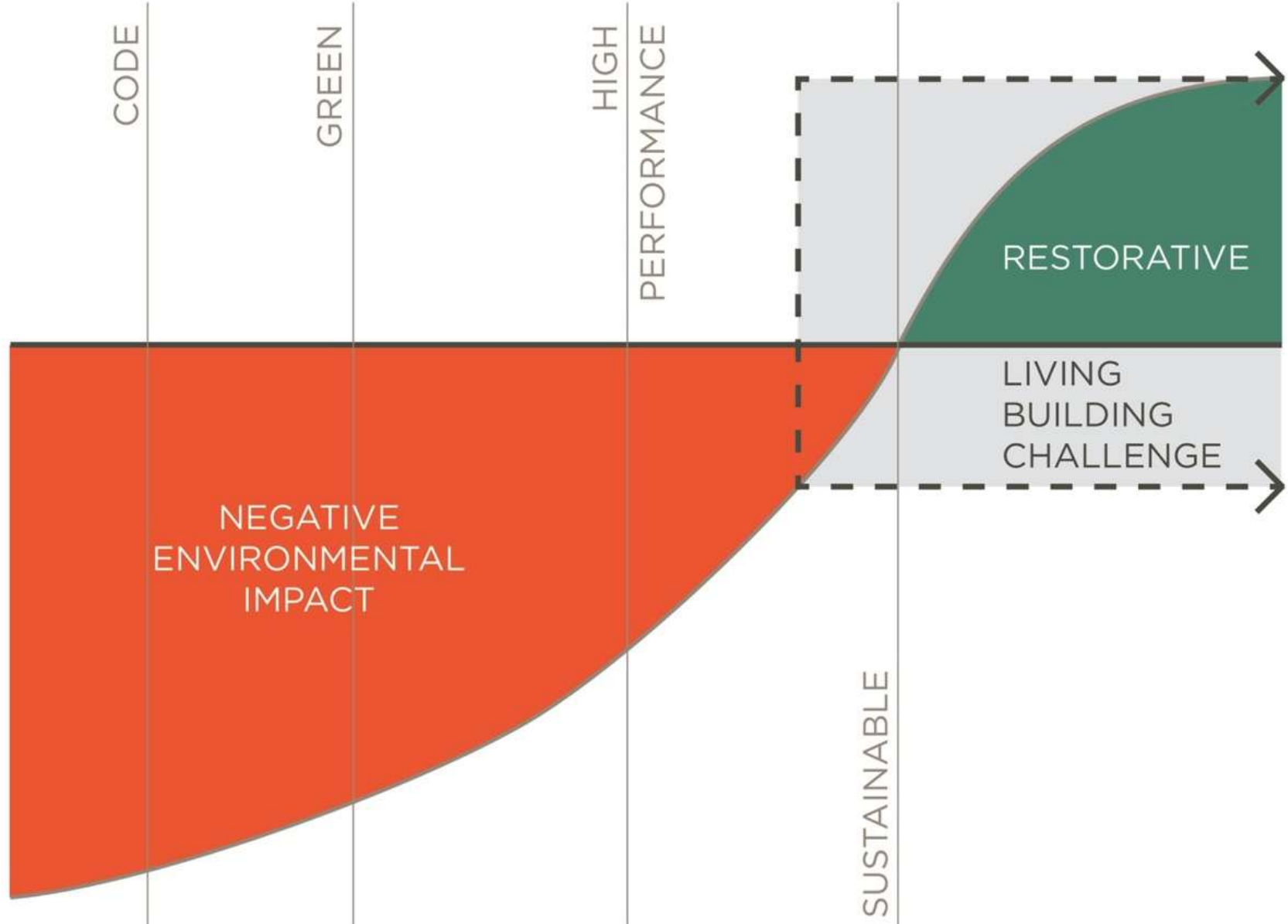


BEAUTY

NET ZERO ENERGY BUILDING CERTIFICATION

Projects certified at “Living” status
are also Net Zero Energy Building
certified





CONTEXT



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BUILDING
CHALLENGE™





SCALE JUMPING –
WHAT IS THE OPTIMAL SCALE?



PROJECT GOALS

10 townhomes; 1, 2, 3 bedroom

Speculative, production housing

Deep green demonstration

<20% price premium over typical townhome

Low impact living = sexy and beautiful

Major regional education program

15,000 tour visitors + class attendees

Education center



DESIGN BENCHMARKS

Net zero energy

70% water use reduction

Stormwater flows = original forested state

Extreme low toxicity

Majority of major construction materials from a 500 mile radius

Predominant FSC wood use





ISSAQUAH, WA - POP: 33,000
2ND FASTEST GROWING CITY IN STATE
(1,000 HOMES A YEAR)



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BROAD BUT INCREMENTAL SUCCESS

WEDNESDAY, MARCH 21, 2007

The Seattle Times

METRO
EDITION

ce, Snohomish, Island, Kitsap
ton counties | 75¢ elsewhere



INDEPENDENT AND LOCALLY OWNED SINCE 1896 | seattletimes.com

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“Zero-energy” homes planned in Issaquah

Homes that can send energy back into the power grid are becoming more popular. The 10 town houses would join about 2,000 such homes built in the U.S. since 2003.

BY SONIA KRISHNAN
Seattle Times Eastside bureau

Your future home could come from the recycling bin.

Solar energy would power it.

The best part? Utility bills would be next to nothing.

They're called “zero-energy” homes — homes designed to produce as much electricity as they consume. And in Issaquah, city officials are planning an unusual partnership with a builder to construct King County's first



How the homes work

A “zero-energy” home is designed to produce as much energy as it consumes. The diagram of such a home shows how its



BLAKELY FAMILY

Robert Blakely met 25 years



A LONG ROAD

Dow plummets record 777 as financial rescue fails

TIM PARADIS | September 29, 2008 11:16 PM EST | **AP**

[Compare other versions »](#)



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Trader Thomas Cannizzaro works on the floor of the New York Stock Exchange Monday, September 29, 2008.

NEW YORK — The failure of the bailout package in Congress literally dropped jaws on Wall Street and triggered a historic selloff _ including a terrifying decline of nearly 500 points in mere minutes as the vote took place, the closest thing to panic the stock market has seen in years.

The Dow Jones industrial average lost 777 points Monday, its biggest single-day fall ever, easily beating the 684 points it lost on the first day of trading after the Sept. 11, 2001, terrorist attacks.

As uncertainty gripped investors, the credit markets, which provide the day-to-day lending that powers business in the United States, froze up even further.

At the New York Stock Exchange, traders

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MOST POPULAR







CATALYZATION + EDUCATION
15,000 VISITORS
25% OF CITY RESIDENTS VISITED



REAL ESTATE

The Green Home Trend: zHome



zHome is a development that uses smart design and technologies to radically reduce its environmental impacts. zHome's goal is to prove that homes that use zero net energy are affordable and scalable to mainstream home production.



UP NEXT

How to Get the New iPhone for Free

9/2/2011 1:09:03 PM 4:00

WSJ

TOP NEWS

PROGRAMS

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BUILDING A STORY



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NETZERO
Energy Institute
2007-2012



LIVING
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DEEP EDUCATION

115 TECHNICAL CLASSES AND COUNTING





ZHOME IMPACT– ICHIJO USA



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ZHOME IMPACT – SWEDISH ISSAQUAH REGIONAL MEDICAL CENTER



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VANCOUVER, BRITISH COLUMBIA



Univercity

GHG EMISSIONS

ONE MEASURE OF HOW WE ARE DOING



Vancouver
4.6 tonnes per capita



UniverCity
3.5 tonnes per capita



BedZED, London
3.6 tonnes per capita



Hammarby-Sjöstad, Sweden
3.6 tonnes per capita

UNIVERCITY DEVELOPMENT

FROM LIVING BUILDING TO LIVING
COMMUNITY



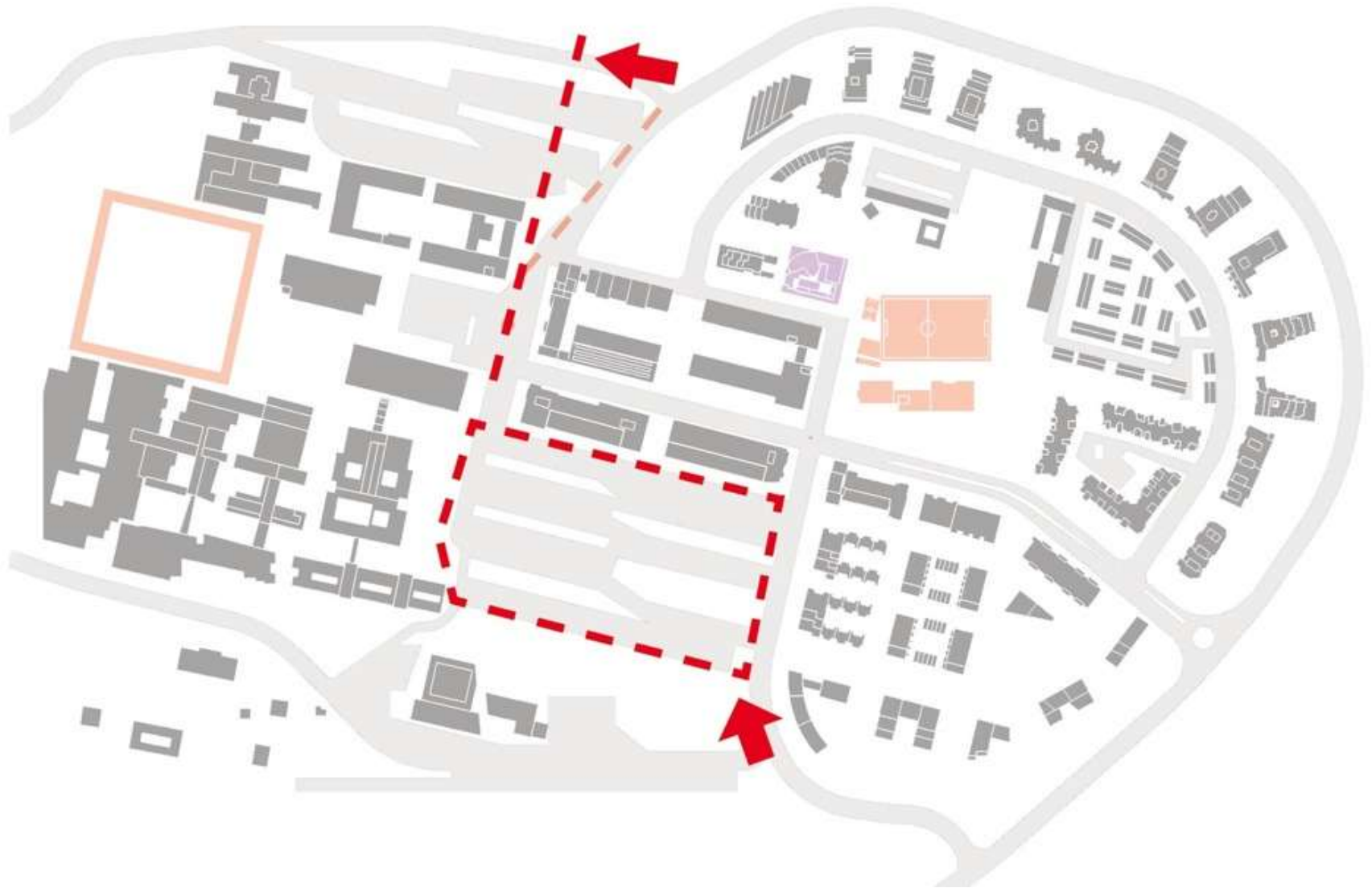
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UNIVERCITY – LIVING COMMUNITY
EXISTING INFRASTRUCTURE



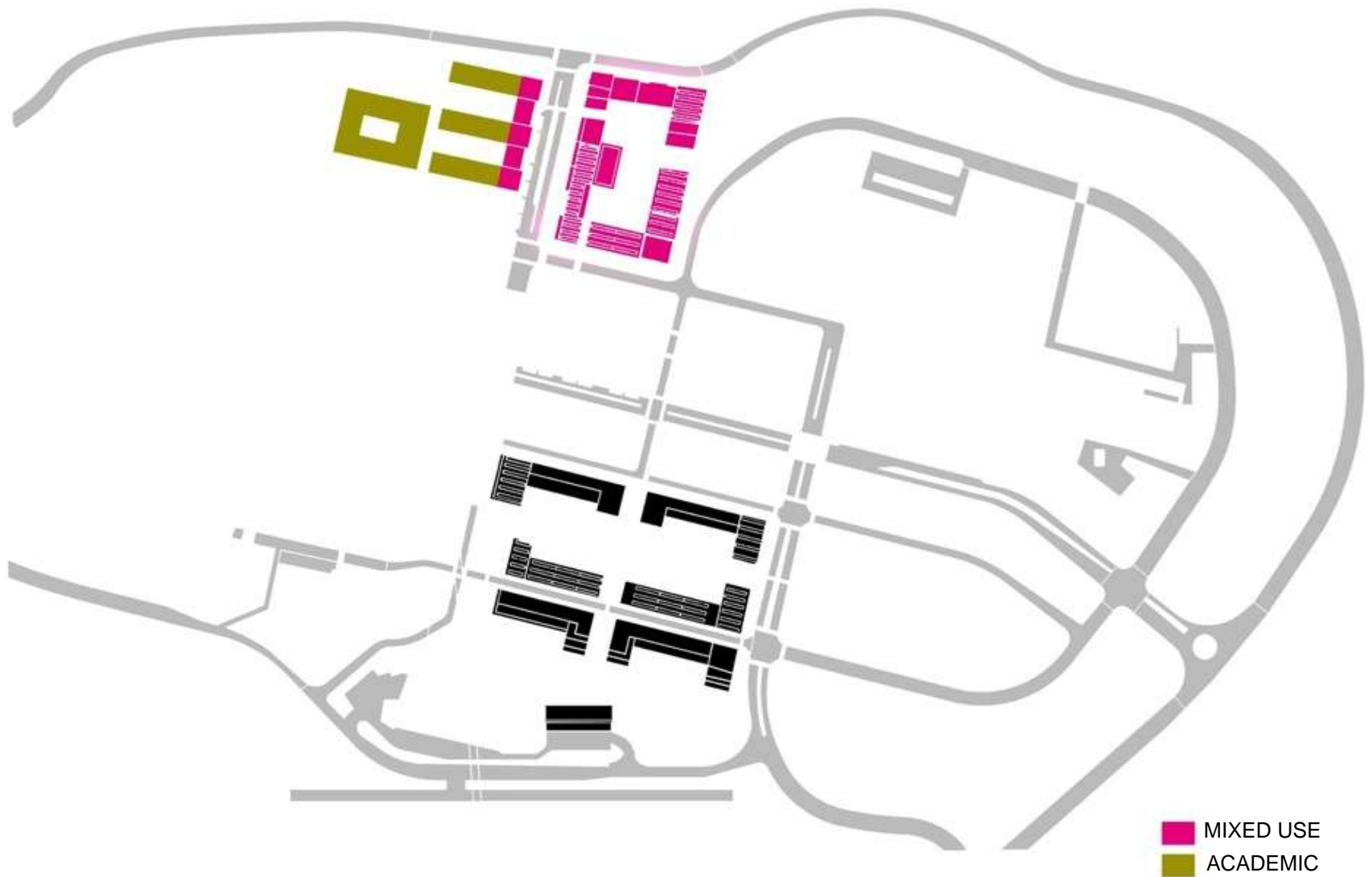




UNIVERCITY – LIVING COMMUNITY
PHASE 5 DEVELOPMENT



UNIVERCITY – LIVING COMMUNITY
PHASE 5 – BUILDINGS PART 1



UNIVERCITY – LIVING COMMUNITY
PHASE 5 – BUILDINGS PART 2



UNIVERCITY – LIVING COMMUNITY
PHASE 5 – GONDOLA STATION



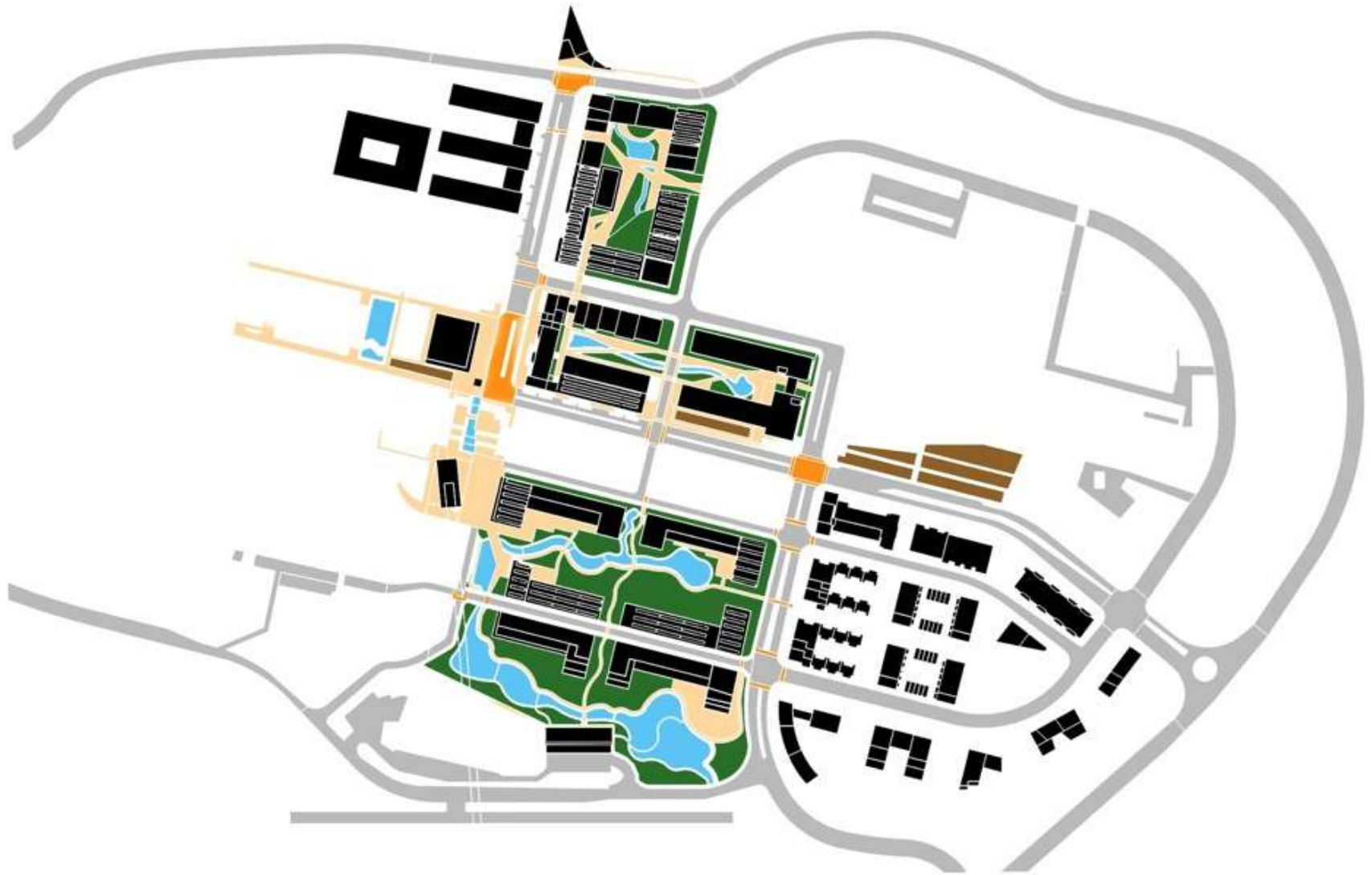
UNIVERCITY – LIVING COMMUNITY
PHASE 5 – LANDSCAPE



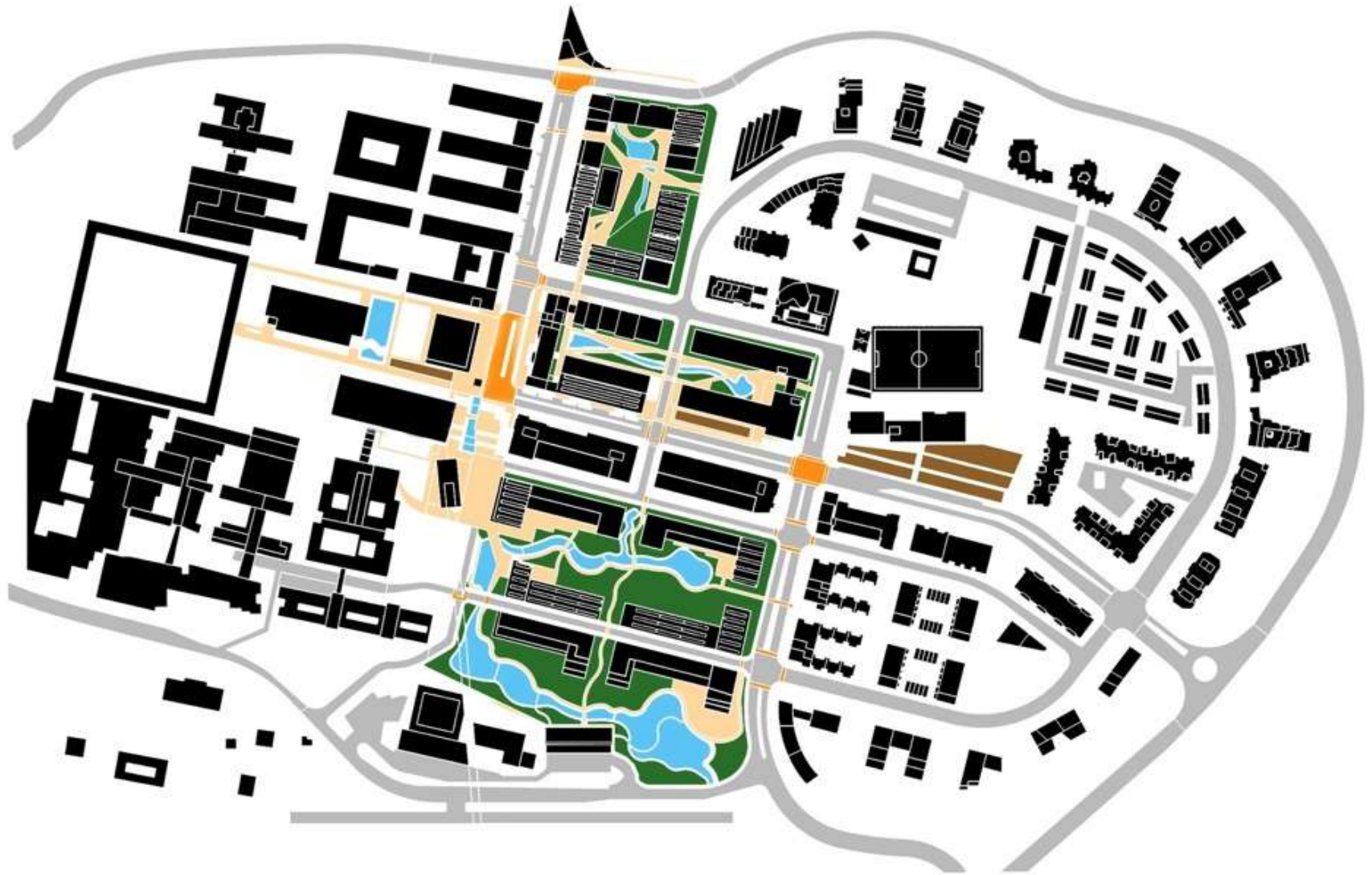
UNIVERCITY – LIVING COMMUNITY
PHASE 5 – BIOPHILIC SPACES



UNIVERCITY – LIVING COMMUNITY
PHASE 5 – SAFE CROSSINGS



UNIVERCITY – LIVING COMMUNITY
PHASE 5 – URBAN AGRICULTURE



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A MODEL OF A LIVING FUTURE



UNIVERCITY – LIVING COMMUNITY
A MODEL OF A LIVING FUTURE



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A MODEL OF A LIVING FUTURE



UNIVERCITY CHILDCARE FACILITY AT SFU
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