

Sustainability Committee

AUA Conference 2015

Committee's Purpose

- raise awareness
- educate membership on sustainability

Committee

Howard Wertheimer
Danny Sniff
Nancy Giammatteo

David Zehngut
Jennifer Fabrick
David Mayhew

Ian Banner
Keith Loiseau
Paul Tankel

Jeff Averill
Paul Leef
Tom Lollini

Karen Fiene
Rob Jones
Gerry McGeough

Campuses

Georgia Institute of Technology
University of Georgia, Athens
George Washington University

Pennsylvania State
Emory University
Towson University

University of Mississippi
Vanderbilt University
New York College at Brockport

UCLA
City of Boulder
Merced

Mills College
University of Chicago
UBC

Years activities

District grey water Jonathan Lancianian, Sust. Water

Regenerative Neighbourhood Ray Cole, UBC

California Energy code Scot Shell, EHDD

Universities and energy Hayes Zirnhelt, RMI

The Urban Farm at Mill College Karen Fiene

AGENDA

Densifying the campus core Gerry

District black water Jan

LEED v4 Paul T

Universities and energy Paul L

California Energy code Karen

Discussion

instilling life into the suburban campus

the story for UBC

the story for UBC

- challenge
- social vision
 - social precinct
 - 5 hubs
- lessons learned

instilling life into the suburban campus
the story for many of us



what mattered to Thomas?



Education important for preserving democracy

Separate education from industry



UBC - utopian trap

Downtown Vancouver

UBC



single use utopian campus - 1980s



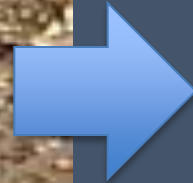
a shift



a shift

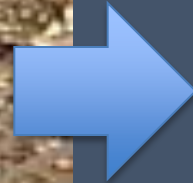


less harm



a shift

less harm

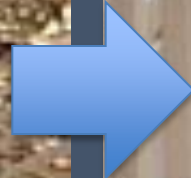


regenerative



a shift

less harm



regenerative

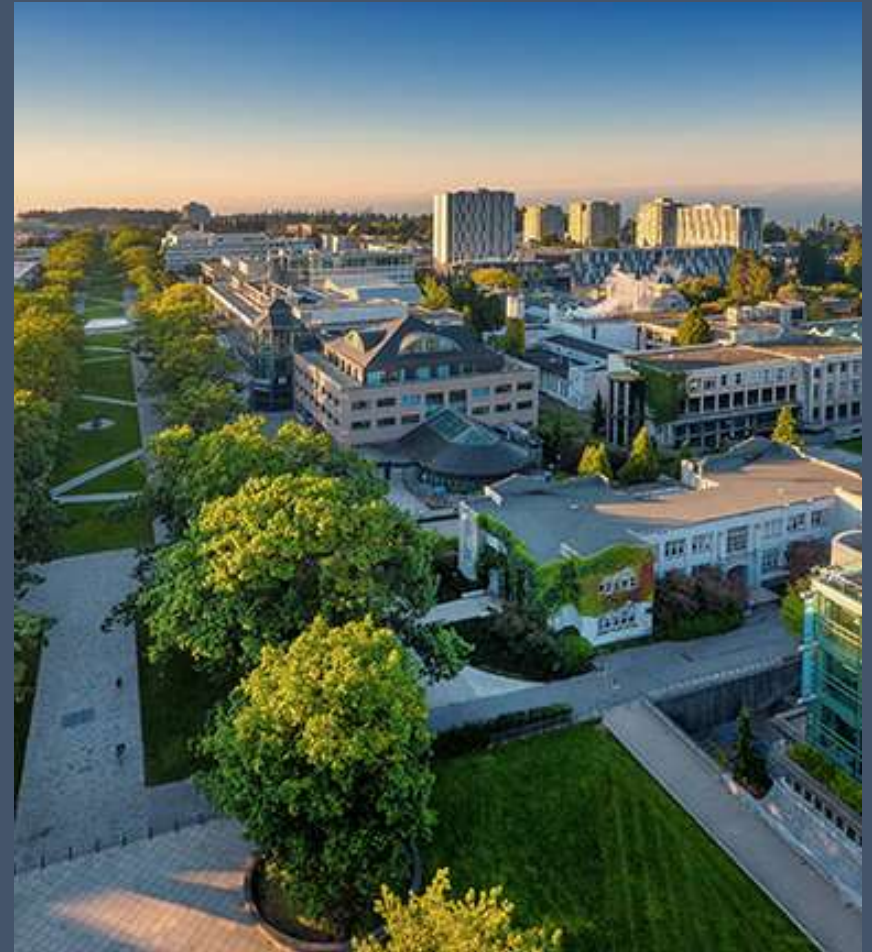


UBC planning principles

support academic mission

complete community

synergies between systems
(ecological, economic and community)



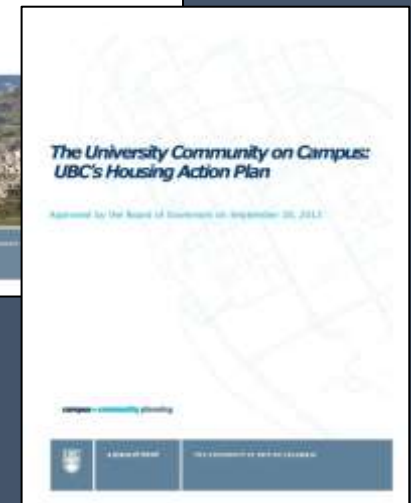
housing goals

undergrad students

house 25% → 50%

neighbourhoods

rental 20% → 30%



current housing

2014

Students



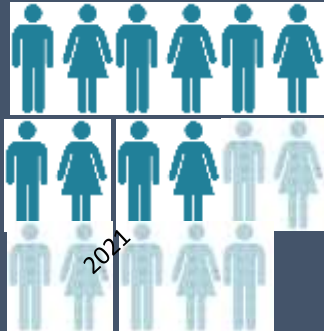
Neighbourhoods



housing targets

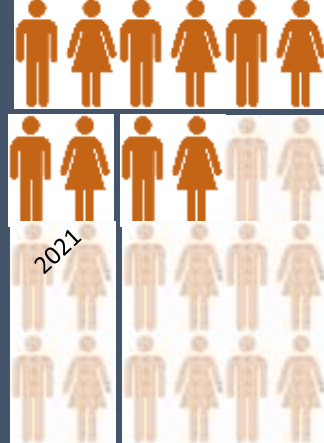
2021

Students



17,000*

Neighbourhoods



24,000



social
arrival
precinct

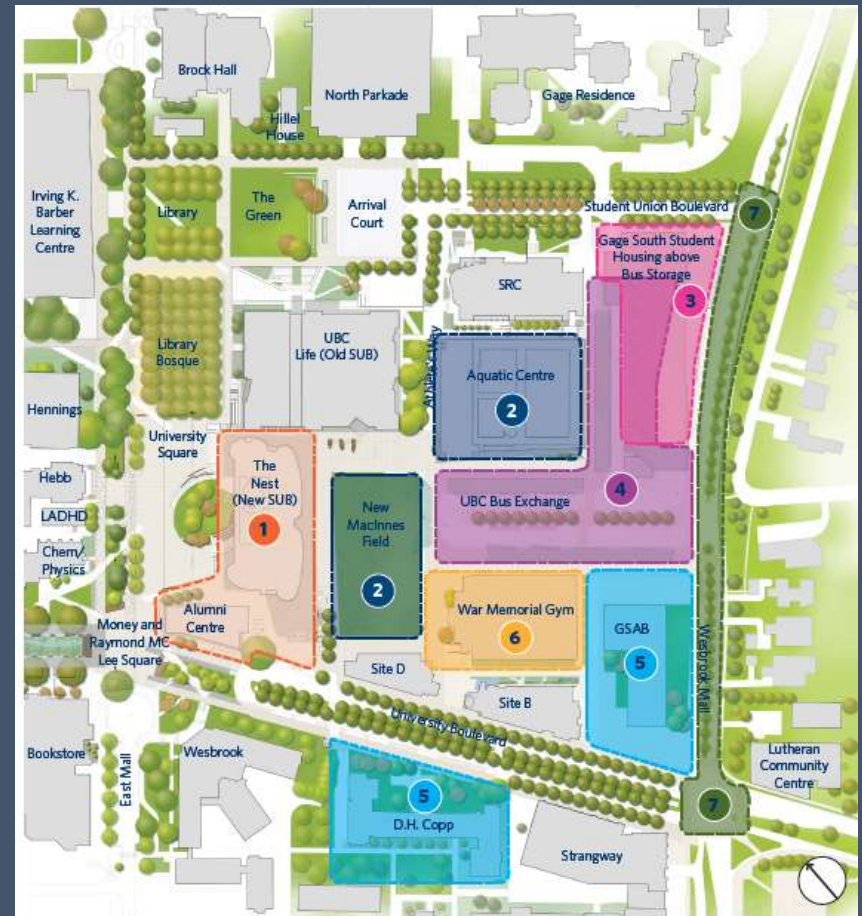


arrival/social precinct

A welcoming, academic gateway

A vibrant academic & social hub

UBC's complete community as a mixed-use core



5 commons

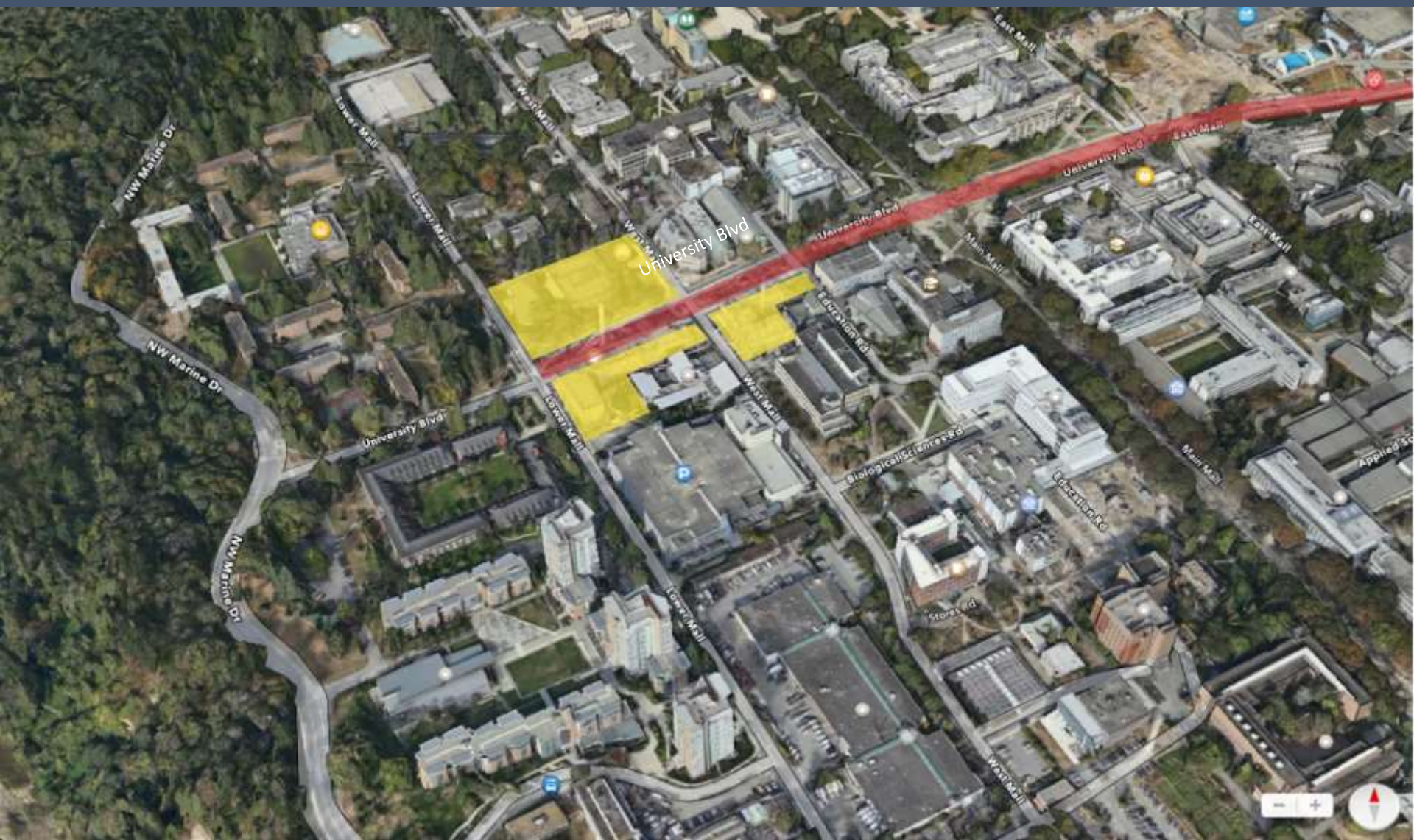


Hub planning objectives

- create
 - life in campus core 24/7/12
 - social interaction
 - sense of belonging
- contribute to
 - housing 50% students
 - network of open spaces
- carbon reduction targets
 - on-campus housing
 - a compact campus
 - high energy performance
- achievable budget and debt

Ponderosa Commons





design goals

- Sense of place
- Campus vitality
- Environmental sustainability

design goals

- Sense of place
- Campus vitality
- Environmental sustainability

design goals

Sense of place

campus legibility

campus character

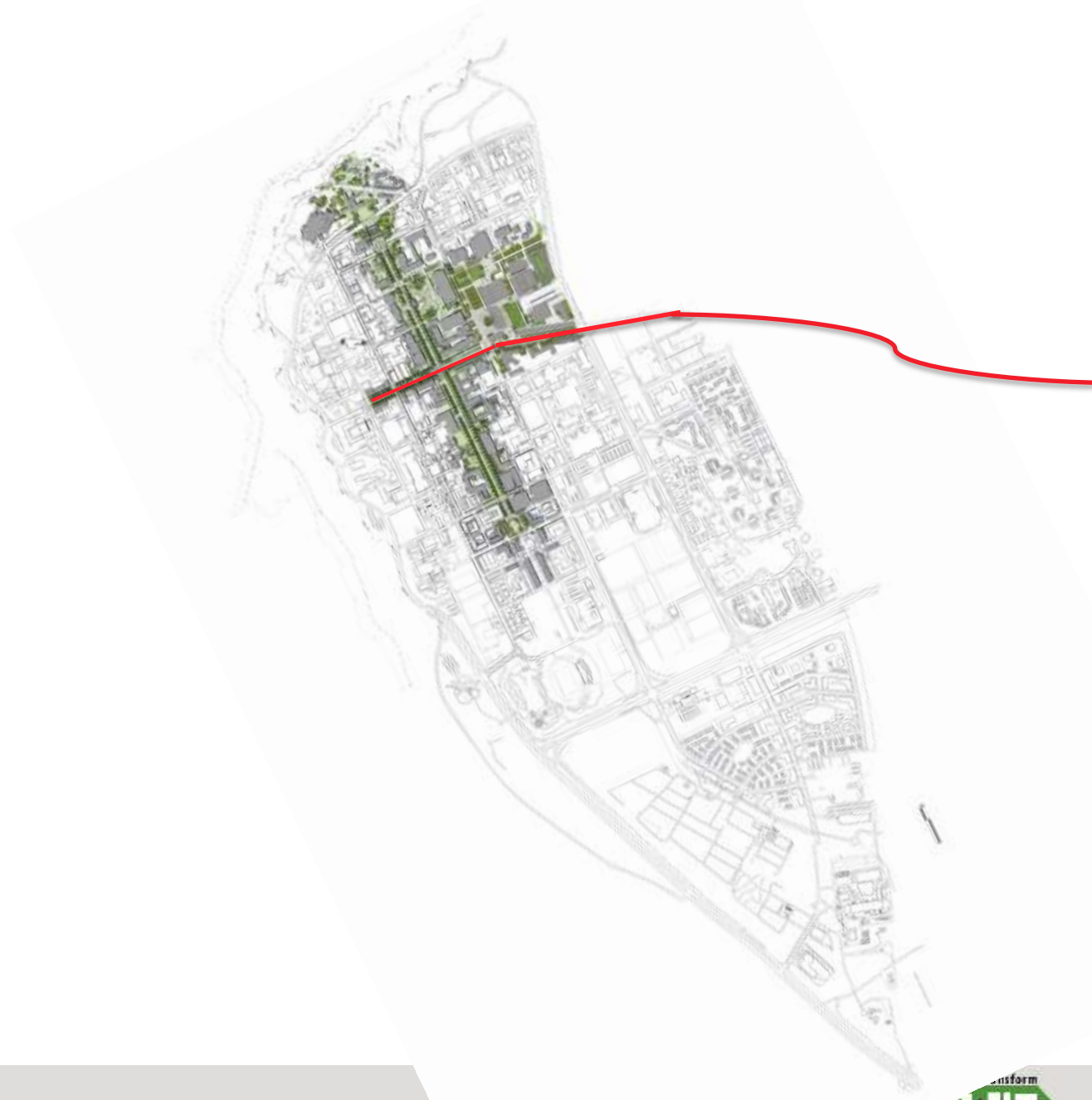


University Blvd

Collaborate + Transform

AUA NC
60th Annual Conference

UNC Chapel Hill DUKE NC STATE 2015















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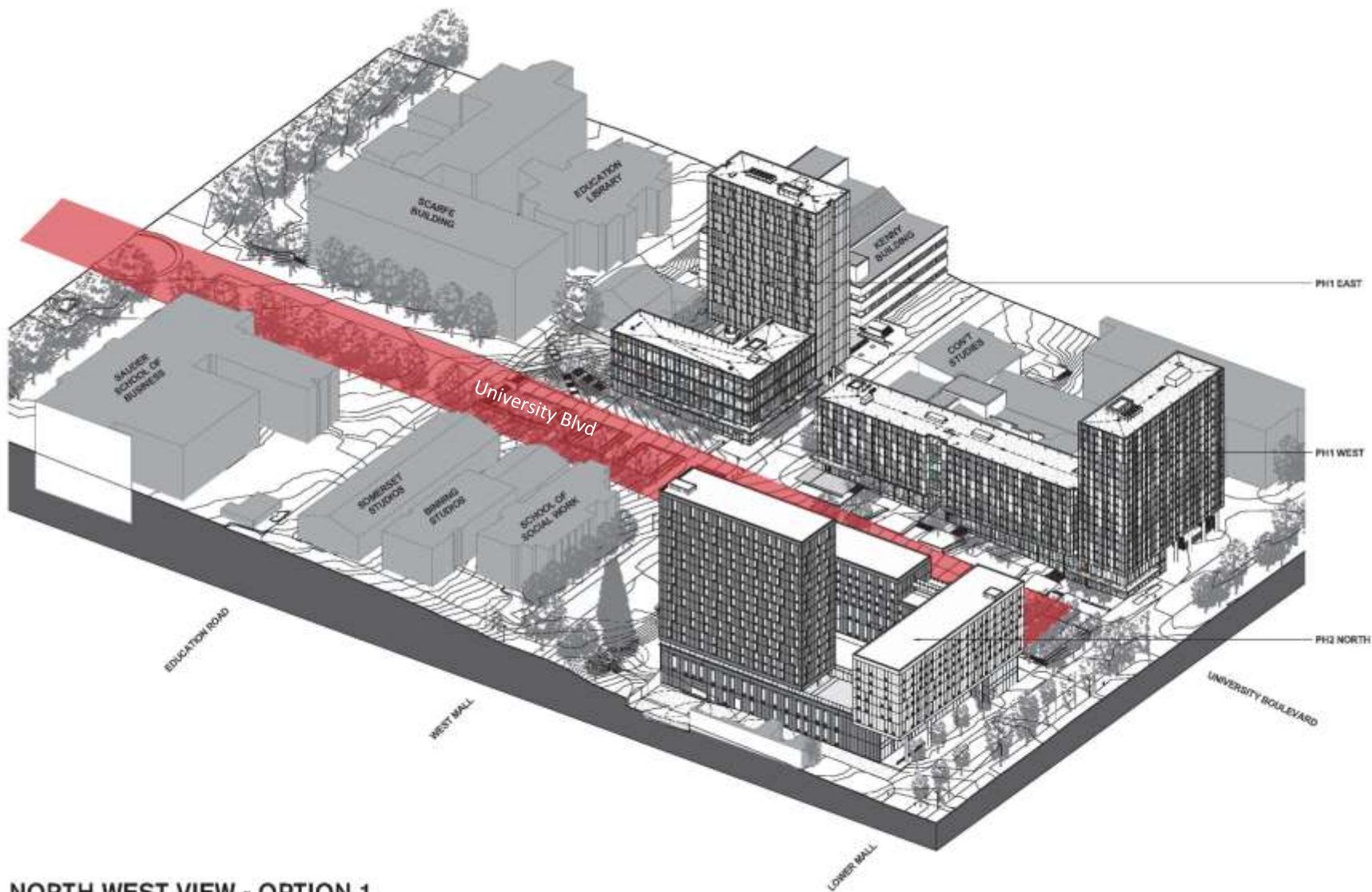


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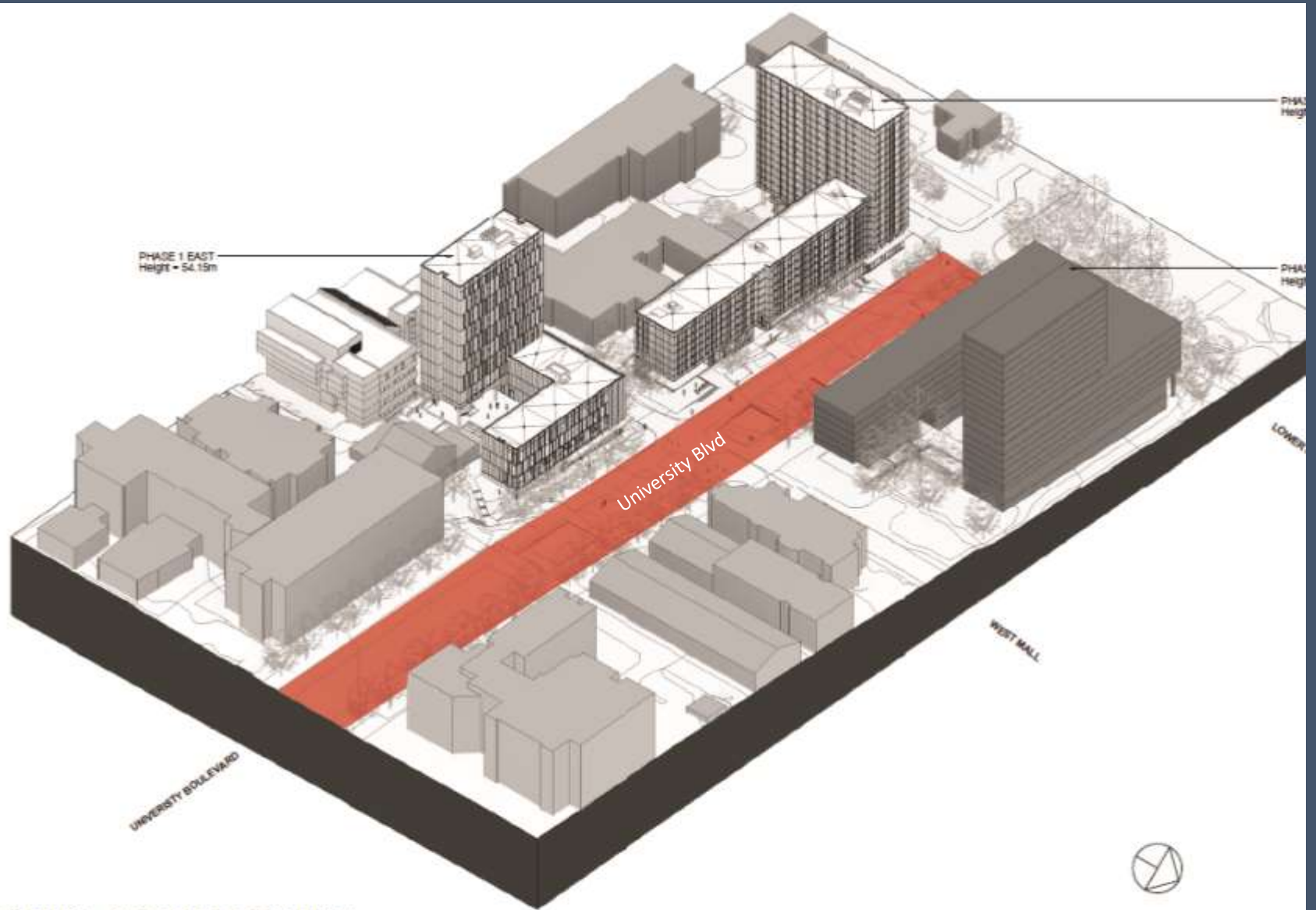


NORTH WEST VIEW - OPTION 1

UBC PONDEROSA COMMONS
AUD™ Submission | Phase 2 North

KUWABARA PAYNE MCKENNA BLUMBERG | HUGHES CONDON MARLER ARCHITECTS

ARCHITECTS & ENGINEERS



NOMETRIC - NORTH EAST VIEW



PHASE 1 WEST - NORTH EAST CORNER

UBC PONDEROSA HUB

Development Application AUDP Submission | July 14, 2011



VIEW FROM SOUTH EAST CORNER - OPTION 2

UBC PONDEROSA COMMONS
AUDP Resubmission | Phase 2 North

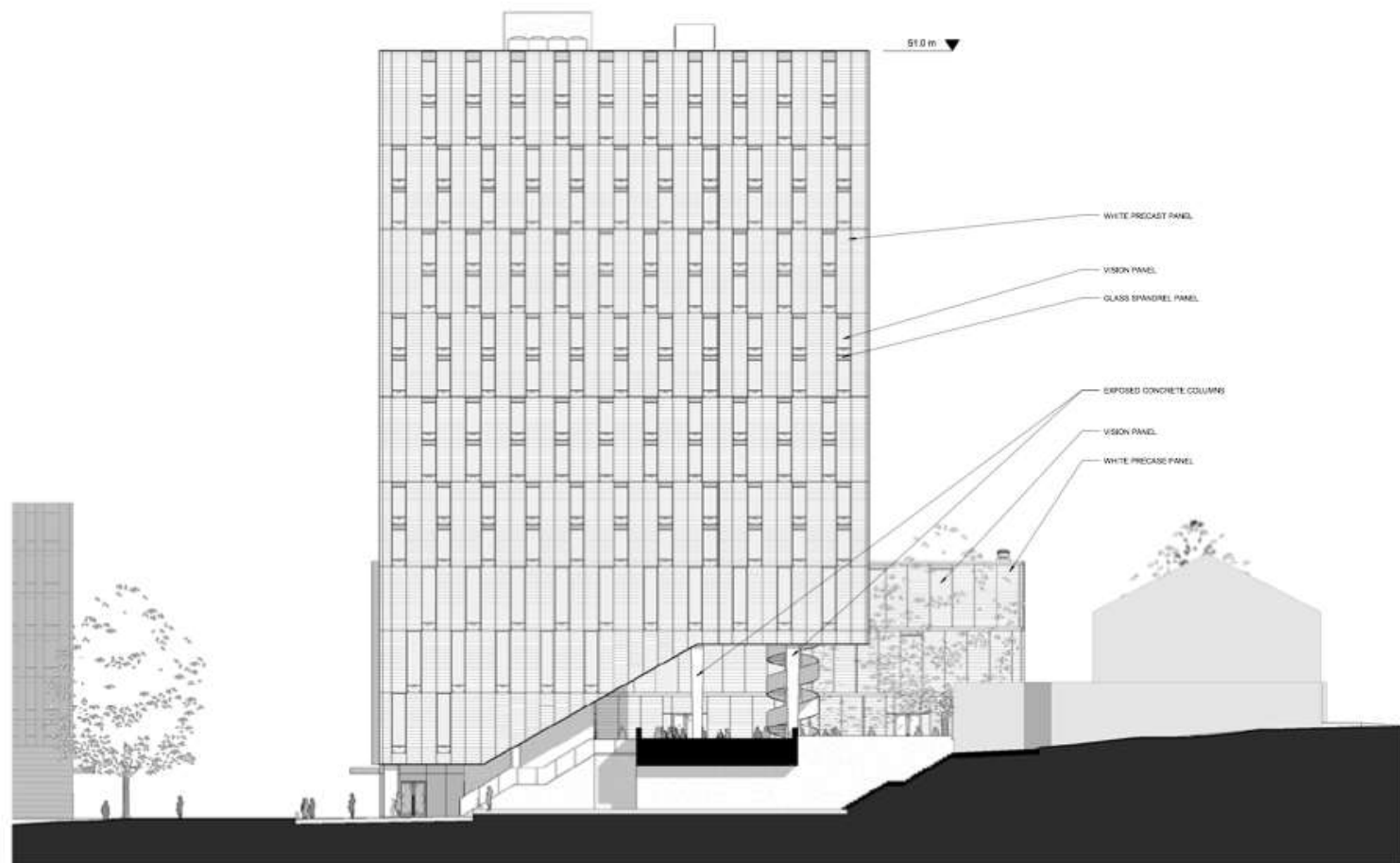
KUWABARA PAYNE MCKENNA BLUMBERG | HUGHES CONDON MARLER ARCHITECTS

ARCHITECTS IN JOINT VENTURE

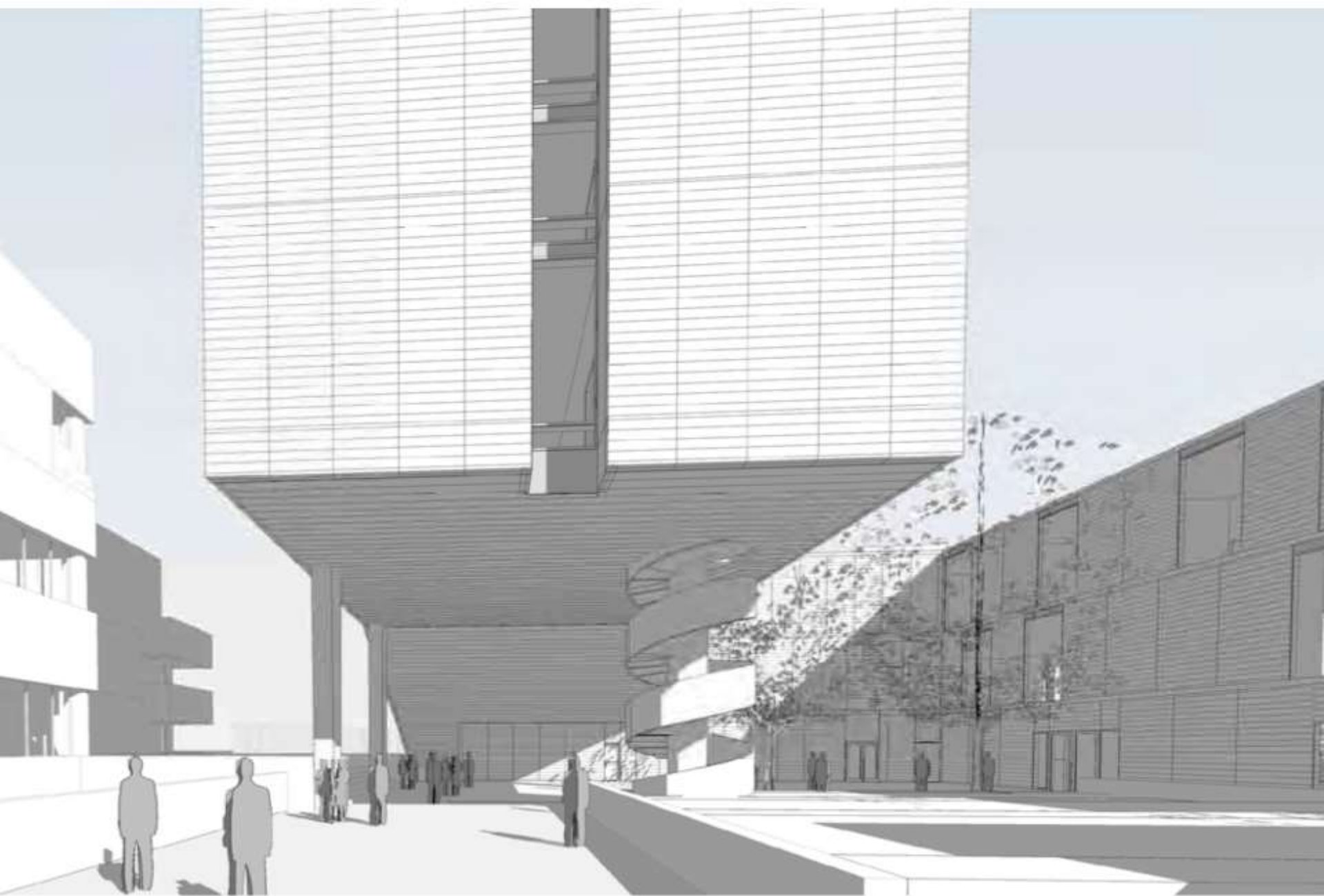








PHASE 1 EAST - SOUTH ELEVATION









Transitioning character districts













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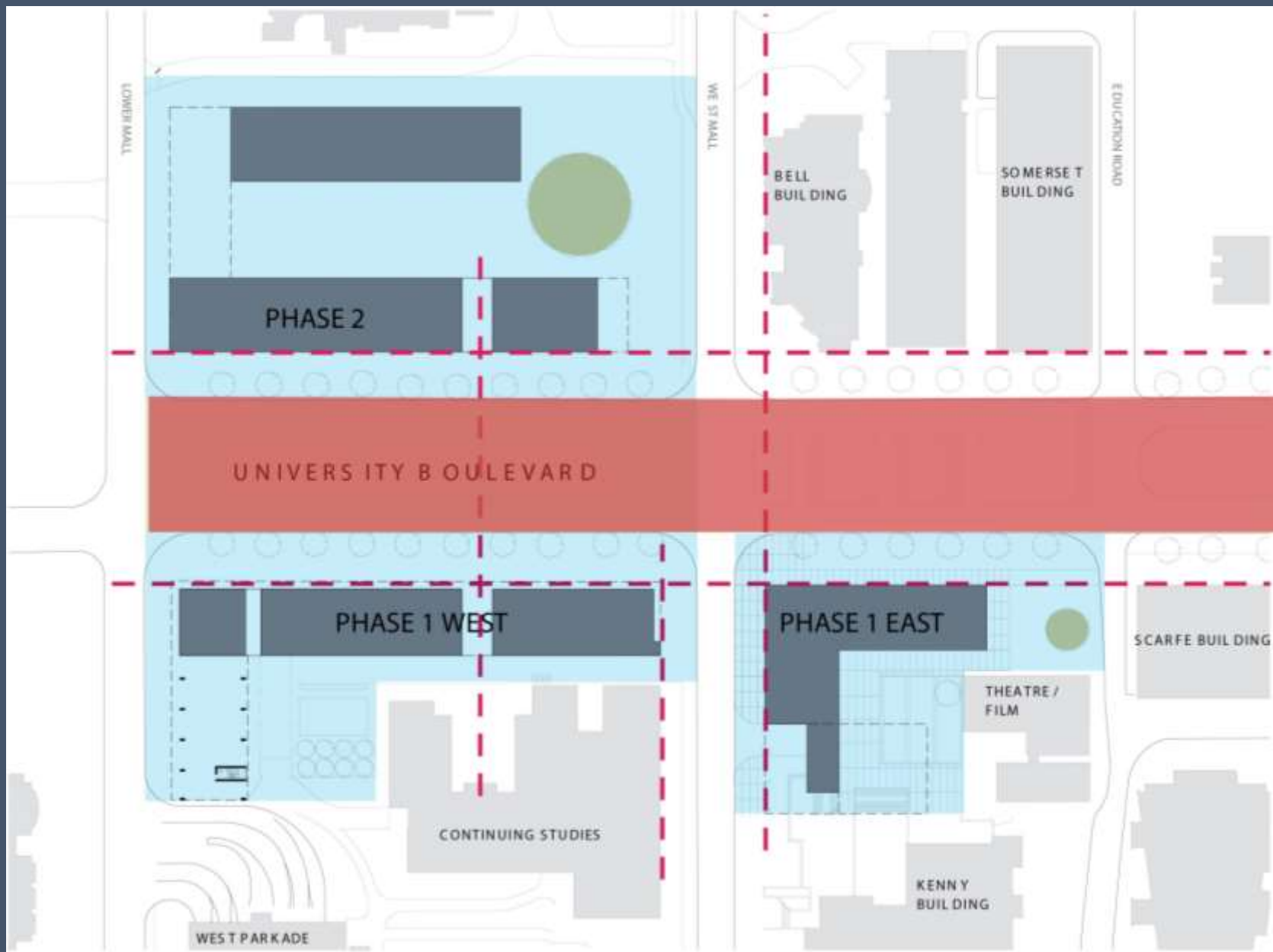
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design goals

- Sense of place
- Campus vitality
- Environmental sustainability



Phase 1 West

LOWER MALL

WEST MALL

EDUCATION ROAD

UNIVERSITY BOULEVARD

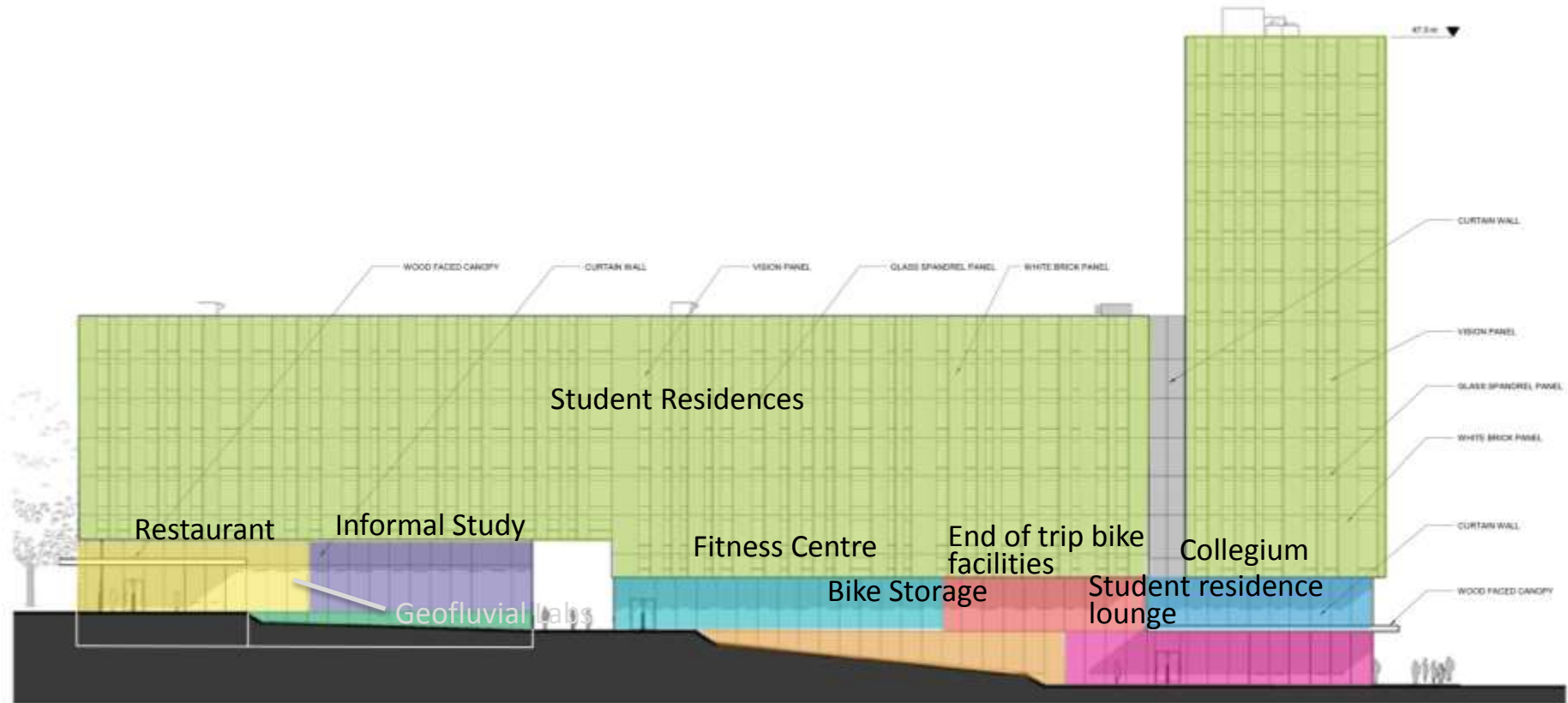
PHASE 1 WEST

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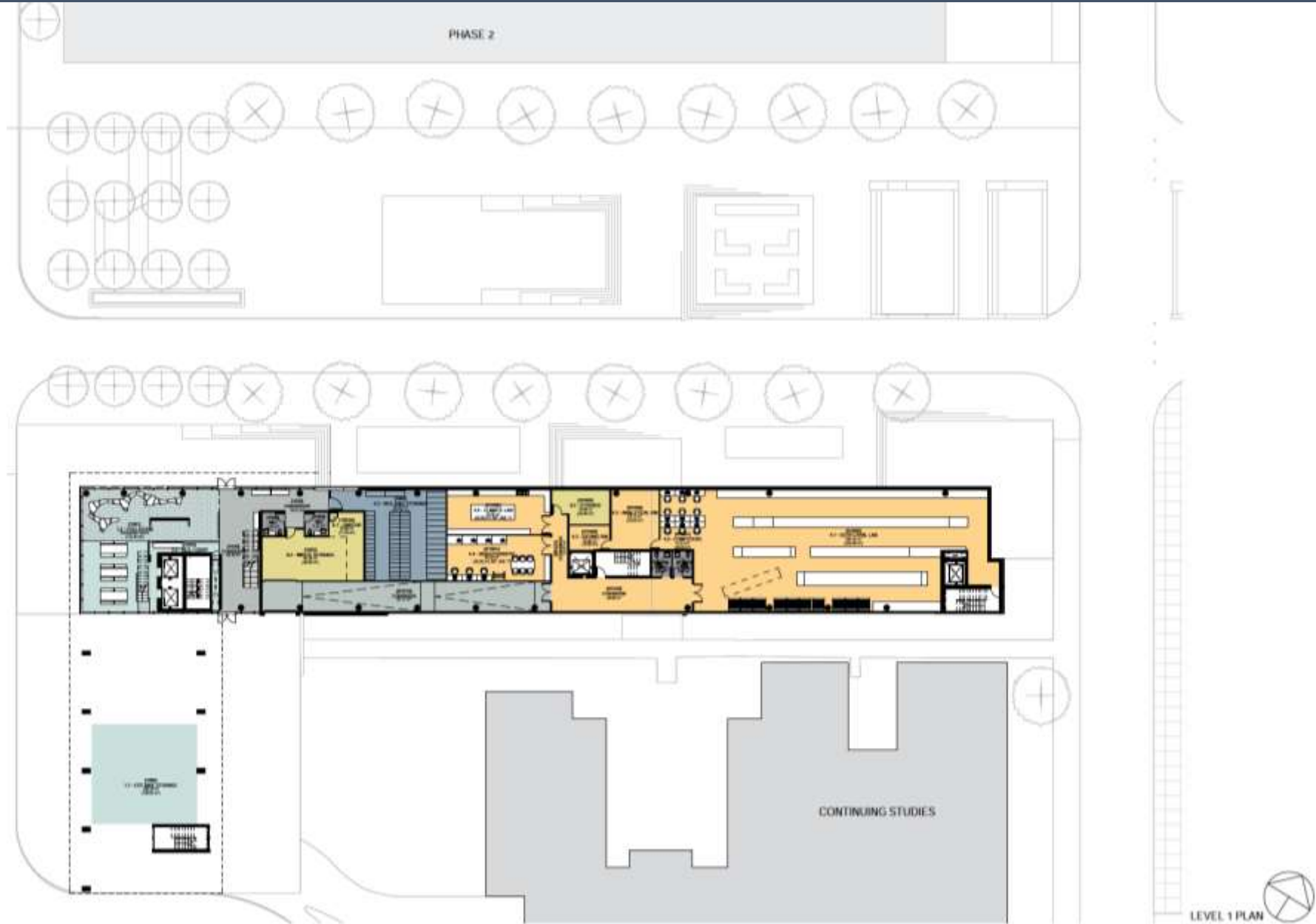
Vertical Uses



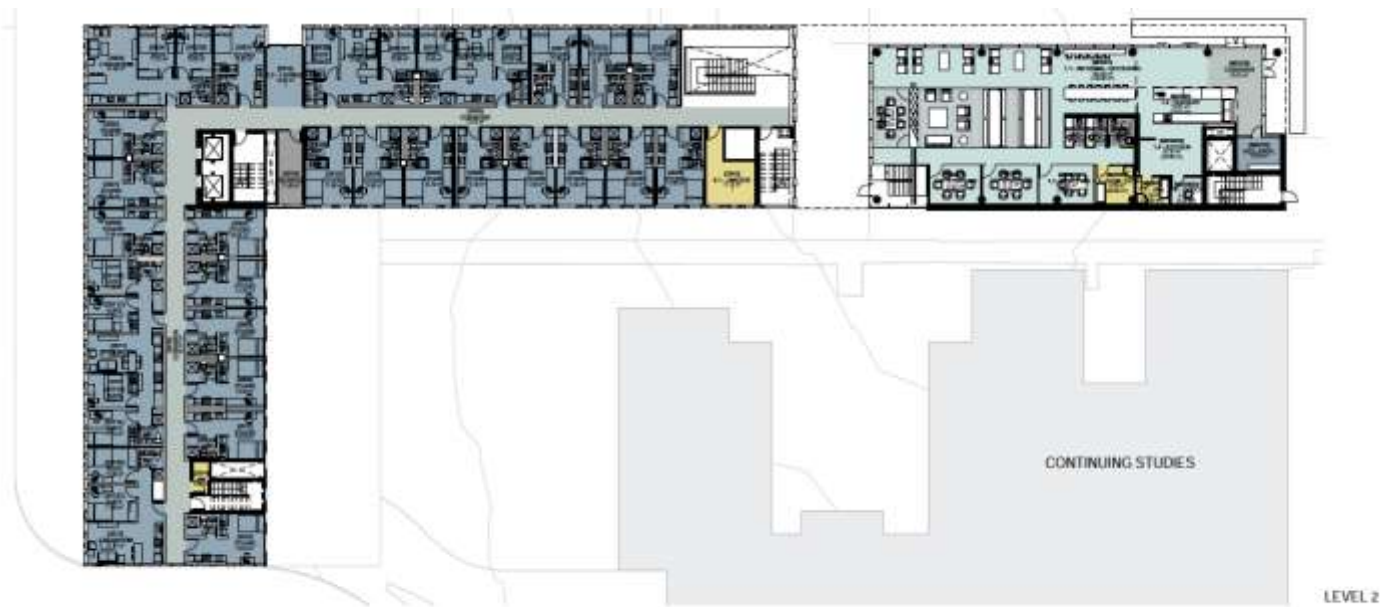
PHASE 1 WEST - NORTH ELEVATION

KUWABARA PAYNE M C KENNA BLUMBERG | HUGHES CONDON MARLER ARCHITECTS

ARCHITECTS IN CONJUNCTION WITH



PHASE 1 WEST - LEVEL 1 PLAN



PHASE 1 WEST - MEZZANINE & LEVEL 2 PLAN









PASTA | PIZZA

11 PIZZAS

- *8.8 Margherita Classic tomato, basil and mozzarella
- *8.8 Prosciutto e Funghi Tomato, prosciutto, mushrooms and basil
- *8.8 Primavera Tomato, zucchini, roasted red and yellow peppers, mozzarella and olive oil
- *8.8 Alla Salsiccia Chorizo, tomato, basil, onions and mozzarella
- *10 All-Pasta Pesto, parmesan, mozzarella, basil, mozzarella and tomato sauce

Check the weekly board for our seasonal soups and salads.



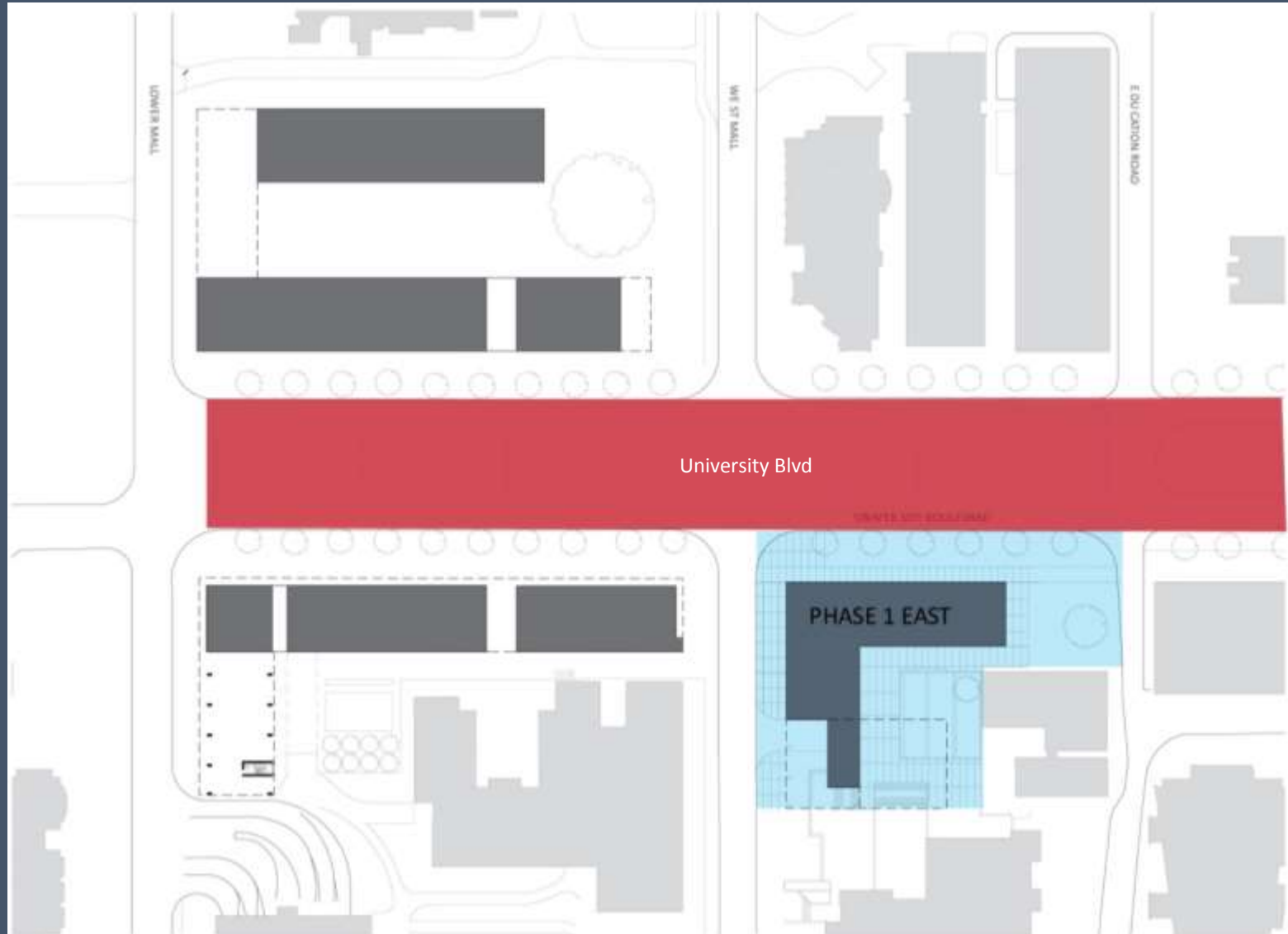


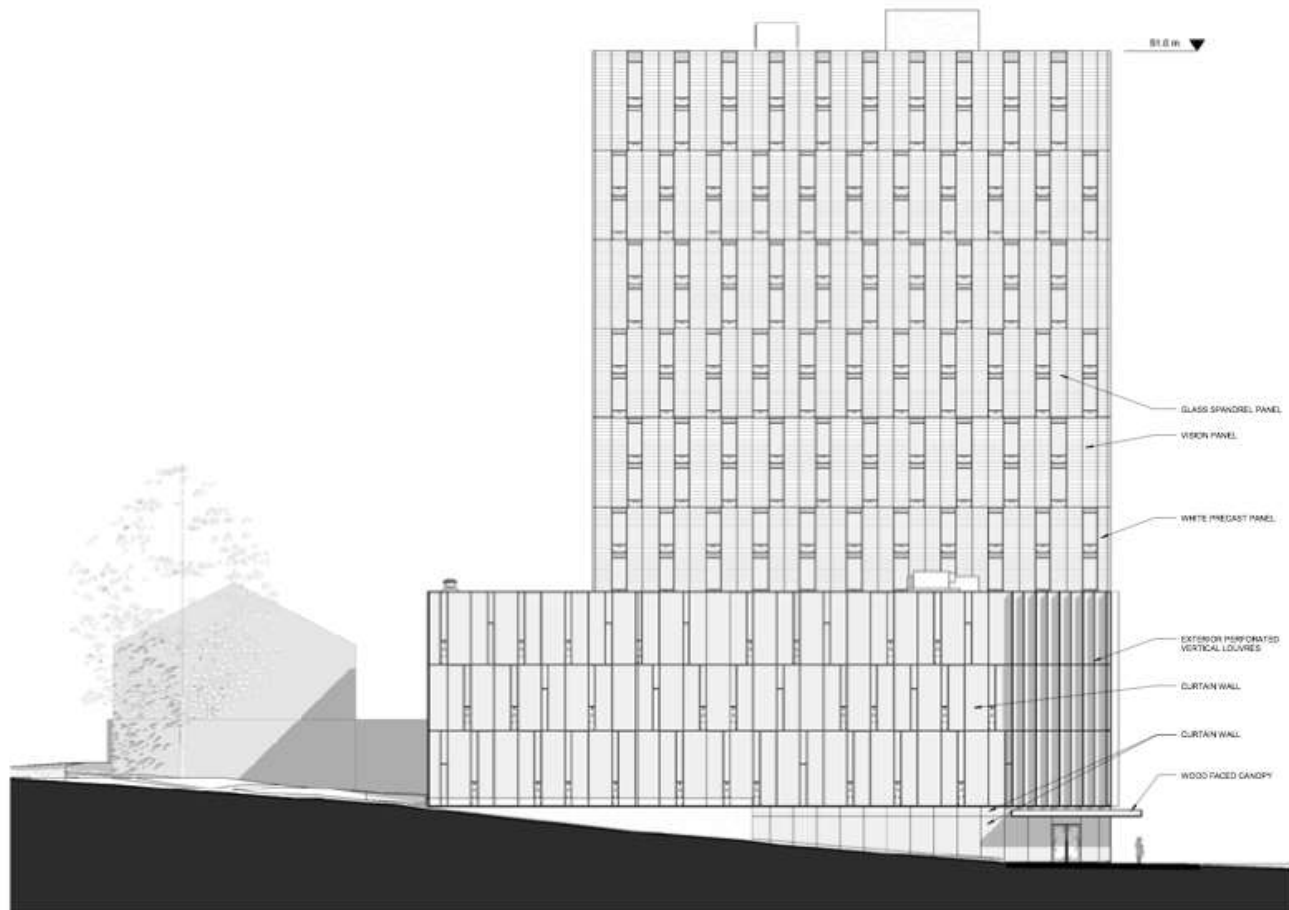






Phase 1 - East





PHASE 1 EAST - NORTH ELEVATION

UNC CHAPEL HILL







SPRUCE HOUSE









STORE HOURS

MONDAY - FRIDAY
9:00-9:30 AM
&
1:30-2:00 PM

MISC

- SAND PAPER \$1 per sheet
1000, 1500, 600 grit
- ZINC PLATE \$5

SILK SCREEN

- 1/2 SPEEDBALL \$12.50
SCREEN INK
BLACK, BLUE, RED, WHITE
YELLOW, TRANSPARENT BASE
- 1/4 SPEEDBALL SCREEN \$6.25
INK
BLACK, BLUE, RED, WHITE
YELLOW, TRANSPARENT BASE
- 3/32 SCREEN INK \$25
BLACK, CYAN, MAGENTA, RED, ULTRA BLUE
WHITE, YELLOW, TRANSPARENT



SCREEN RENTAL
\$60 DEPOSIT

BOARDS PLATES

- CARAN D'ACHE \$3
(BLACK)
- COPPER (LARGE) \$55
18x24"
- COPPER (MEDIUM) \$28
12x18"
- COPPER (SMALL) \$15
11x25"
- LITHO PLATE \$15
11x25"
- MATTE BOARD \$1
75x8"
- MEDEX (XL) \$20
18x24"
- MEDEX (L) \$8
18x24"
- MEDEX (S) \$2
6x7"
- PHOTO EMULSION PLATE \$15
- SINTRA (M) \$8
75x8"
- SINTRA (L) \$12
16x16"

INTAGLIO RELIEF

- ACETATE \$3
44" (per foot)
- DANIEL SMITH ETCHING \$2.5
INK
CREAMY, BURNISH BLACK, VINE BLACK
2 INTENSE BLACK
- IMAGE ON \$10
PHOTO EMULSION
- LITHO SPONGE \$4
- MIRACLE GEL REDUCER \$14
H&C
- TARLATAN \$3
3 ft wide continuous
- TRANSPROTECT \$1
18" WIDE

PAPER

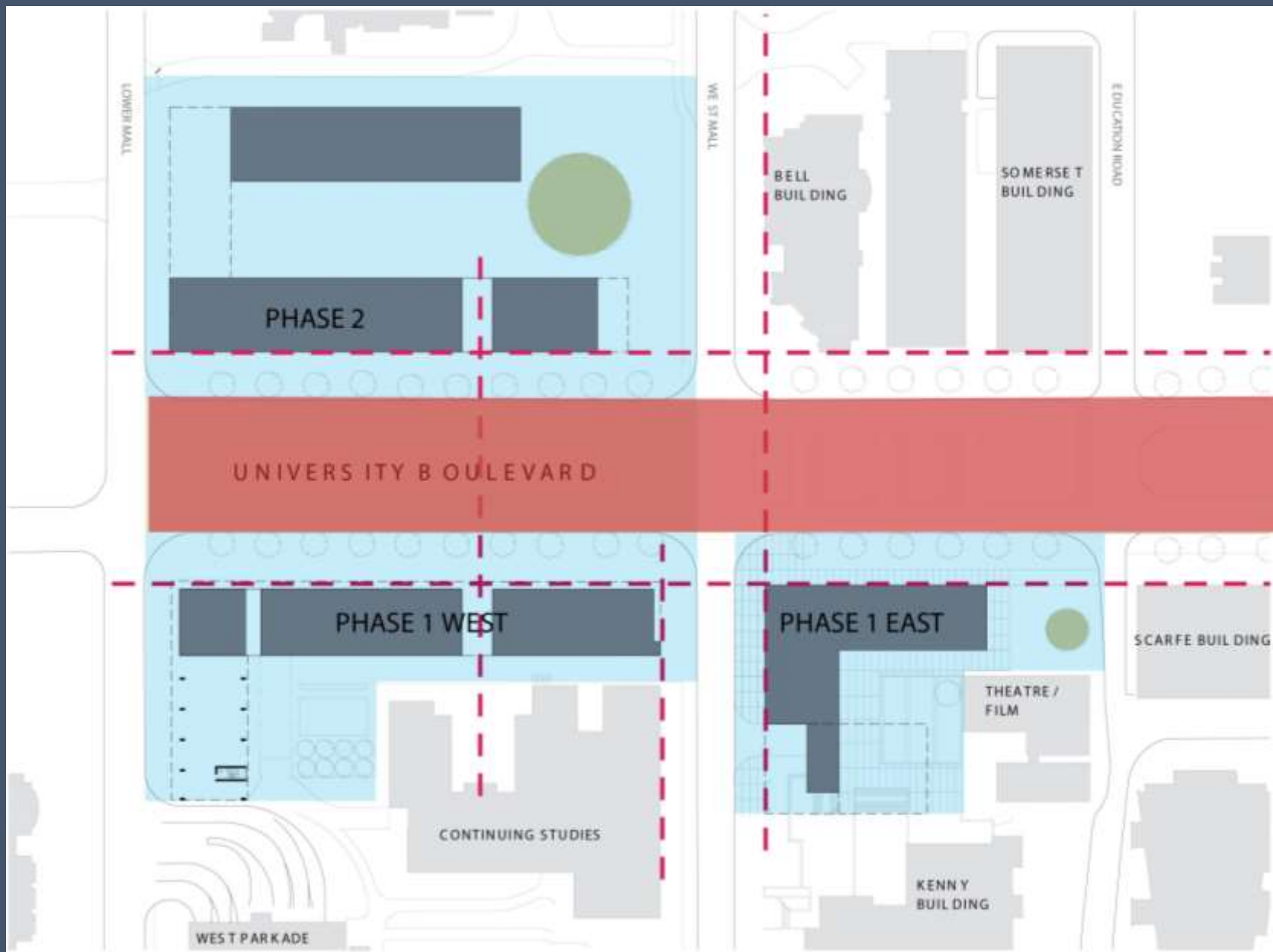
- ARCHES COVER CREAM \$5
22x30"
- ARCHES COVER WHITE \$5
22x30"
- ARCHES COVER ROLL \$5
52" per foot
- ARCHES TEXTLAD \$5
26x40"
- BUNKOSHI \$5
22x30"
- CANSON BLACK \$3
22x30"
- CANSON WHEAT \$3
22x30"
- DRYBRUSH MYLAR \$5
11x14"
- FROSTED MYLAR \$7
24x36"
- GAMPSHI RICE PAPER \$12
- HAHNEMÜHLE \$9
22.5x31.5"
- KITIKATA RICE PAPER \$27.5
- MAGNANI BLUE \$5.30
22x30"
- MAIDSTONE ARTPRINT \$4
30x40"
- MAIDSTONE COVER \$3
26x40"
- MAIDSTONE MIXED \$2.60
26x40"
- MULBERRY RICE PAPER \$32
27" wide
- NEWSPRINT \$2
20 pack
- RIVES \$10
white 30x44"
- SOMERSET \$4
22x30"
- SOMERSET \$7
30x44"
- STONEHENG \$4
22x30"

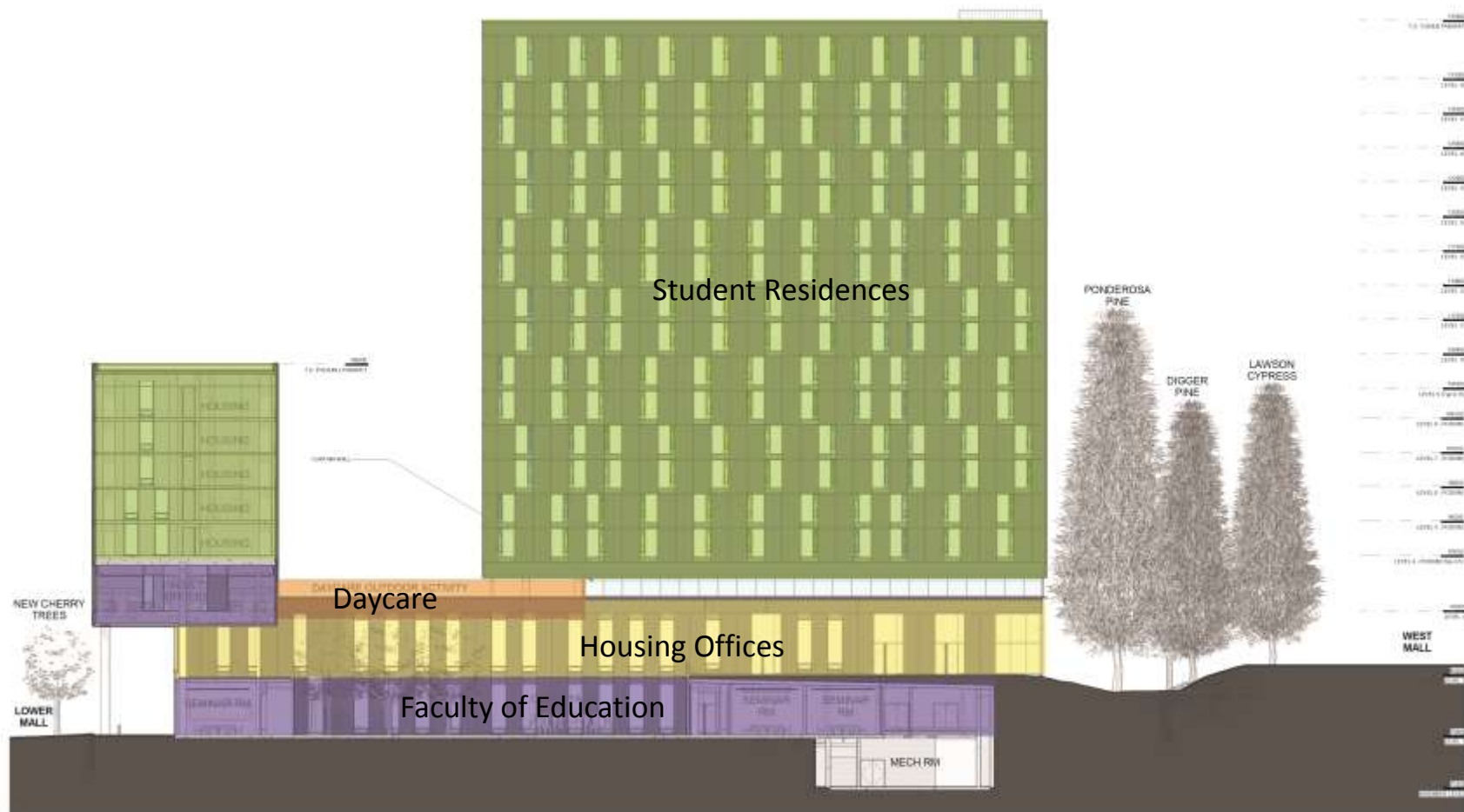












SOUTH ELEVATION/ SECTION - TOWER & LOWER COURTYARD - OPTION 1

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AUDP Submission | Phase 2 North

JULIA BARBARA PAYNE MCKENNA BLUMBERG | HUGHES CONDON MARLER ARCHITECTS

1 : 300

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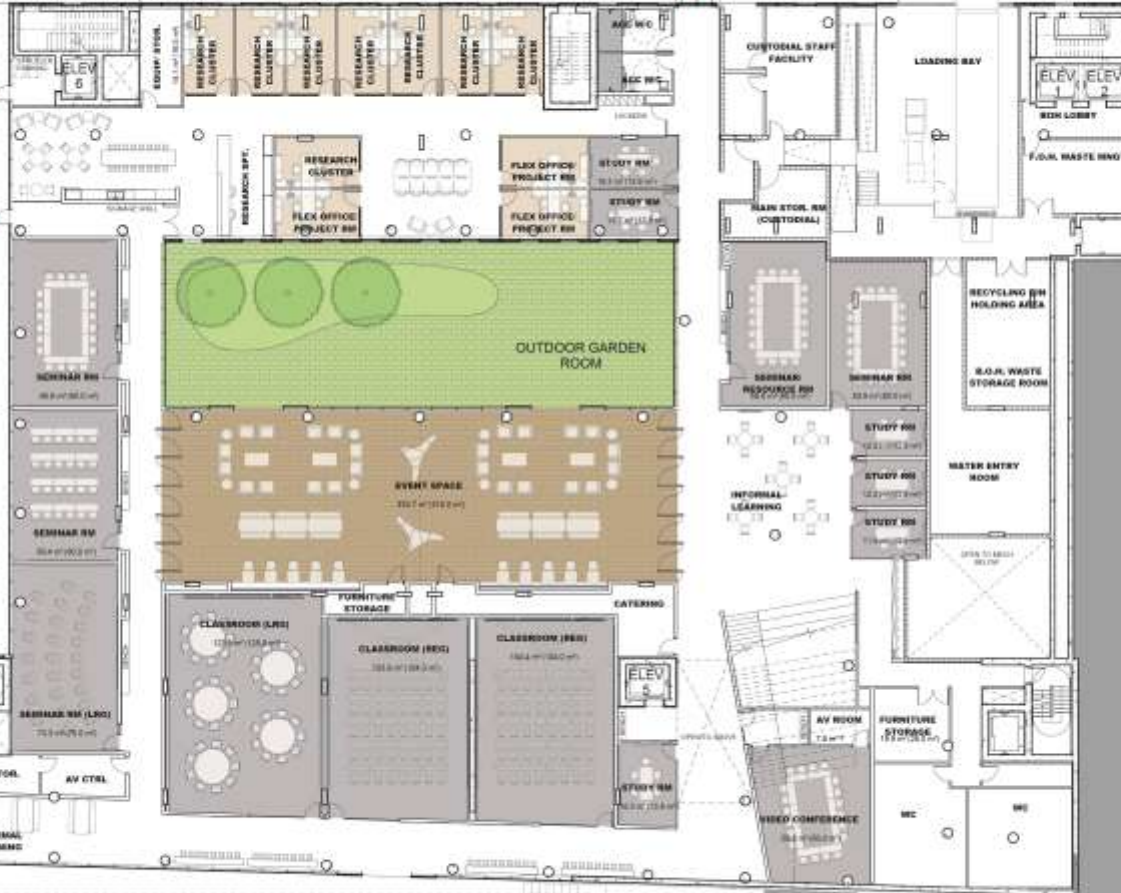


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RESEARCH & LEARNING COMMONS



TEACHING + MULTI-PURPOSE SPACES

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LOWER MALL

DEPARTMENT ADMINISTRATIVE OFFICES

RES. FRONT DESK



DIGGER PINE

LAWSON CYPRESS

MONTERO PINE

WEST MALL



DEAN'S OFFICE

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design goals

- Sense of place
- Campus vitality
- Environmental sustainability

construction budget

Phase 1 - \$207/sq.ft.

Phase 2 - \$186/sq.ft.





Orchard Commons





Brock Commons



hub planning objectives

- create
 - life in campus core 24/7/12
 - social interaction
 - sense of belonging
- contribute to
 - housing 50% students
 - network of open spaces
- carbon reduction targets
 - on-campus housing
 - a compact campus
 - high energy performance
- achievable budget and debt

lesson 1

- doubting Thomas's
- it is all about opportunity
- performance based vision

lesson 2

- planning is about alignment
- in-house planning

lesson 3

- infill - hard work, but it

lesson 4

- horizontal mixed-use
- integrated design

Comments and question?