



UNIVERSITY OF WASHINGTON North Campus Housing

University of Washington
Architectural Commission

29 JUNE 2015

AGENDA

1. PROJECT GOALS
2. PREDESIGN SUMMARY
3. SCHEMATIC DESIGN, PHASE IVa

An aerial photograph of a university campus, showing a mix of residential buildings, green spaces, and athletic facilities. A semi-transparent grey rectangular box is overlaid in the center, containing the text 'ARCHITECTURE + LANDSCAPE PROJECT GOALS'. The campus includes a large stadium with a 'W' logo, several green fields, and numerous buildings of varying sizes. A road and a body of water are visible on the left side of the image.

ARCHITECTURE + LANDSCAPE
PROJECT GOALS

PROJECT GOALS

RESIDENTIAL COMMUNITY

- World Class Living/Learning Community
- Support 3,200 Students
- Integrate Common Space, Regional and Recreational Programs with Landscape
- Integrate Residential Community with Campus and Neighborhood

CHARACTER

- Enhance Woodland Landscape of Kincaid Ravine and Whitman Court
- Integrate Woodland Landscape with Historic and Contemporary Landscape Influences

HISTORY

- Embrace and Enhance Historic Structures and Landscapes Including Hansee, Hutchinson, Lewis and Denny Field

CONNECTIVITY

- Strengthen Campus and Neighborhood Connections
- Enhance Quality and Safety of Pedestrian and Cycling Experiences Across and Along Stevens Way
- Improve Pedestrian and Cycling Connections from Campus Across 45th Street

SCALE AND PERCEPTION

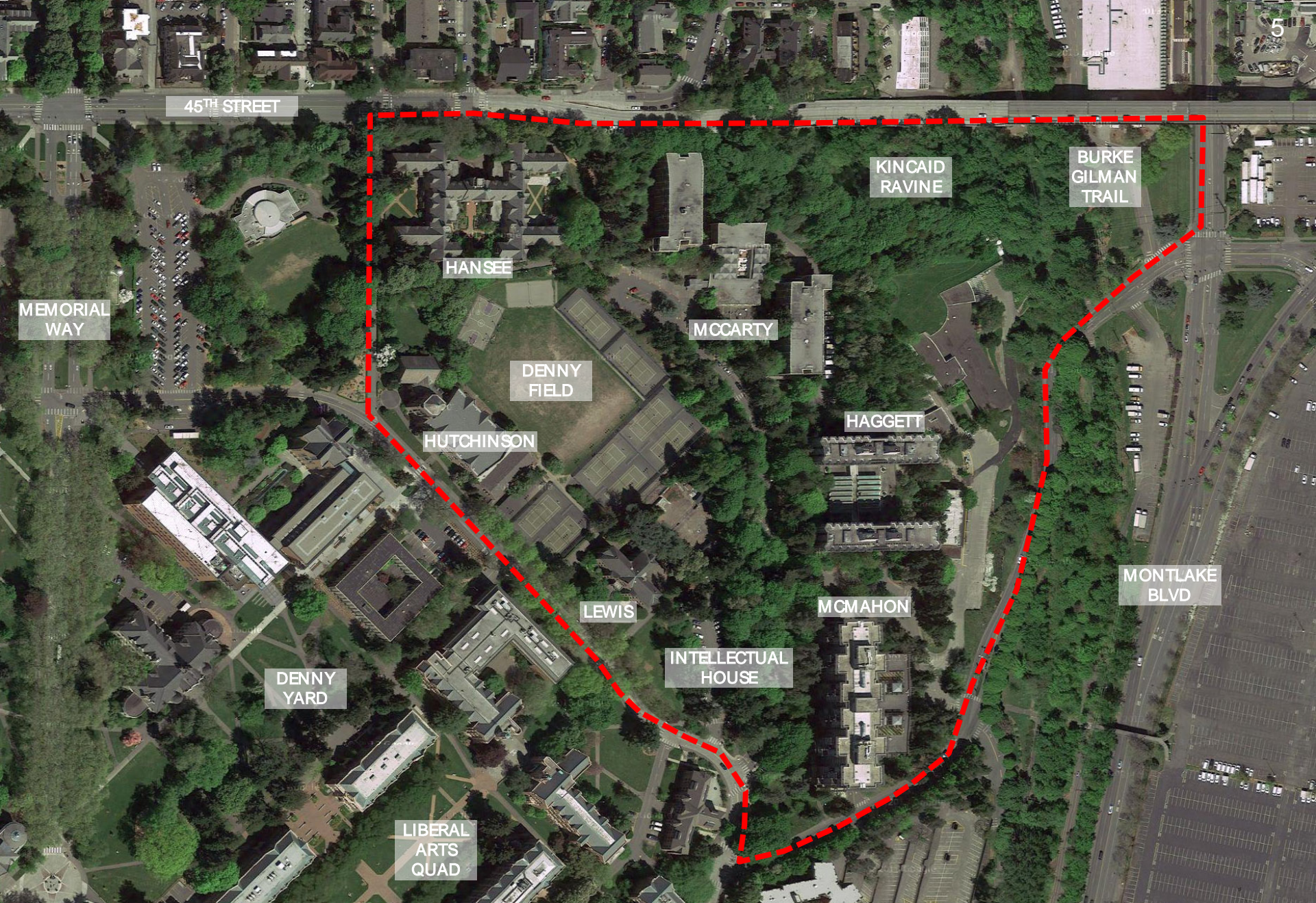
- Landscape Types Should Range from Intimate to Expansive
- Architectural Scale to Reveal and Connect to Woodland Canopy Beyond

SUSTAINABILITY

- Be Good Stewards of Resources
- Strive to Achieve LEED Gold and 2030 Energy Challenge
- Maximize Penetration of Desirable Sun and Wind
- Retain and Manage Storm Water On-Site

An aerial photograph of a university campus, showing a mix of residential buildings, green spaces, and athletic facilities. A semi-transparent grey rectangular box is overlaid in the center, containing the title text. The campus includes a large stadium with a 'W' logo, several green fields, and numerous buildings of varying sizes. A road and a body of water are visible on the left side of the image.

ARCHITECTURE + LANDSCAPE
PREDESIGN SUMMARY



PREDESIGN SUMMARY EXISTING SITE

UNIVERSITY OF WASHINGTON NORTH CAMPUS HOUSING



1902 Olmsted Campus Plan



1909 Olmsted Alaska-Yukon Pacific Exposition Plan



1914 Olmsted Campus Plan



2015 Campus Plan







REGIONAL PROGRAM

6.37 %

- Express Market / Cafe
- Fitness Center
- Games Center
- Learning Resource Center
- Regional Desk
- Staff Office Suite
- Regional Housing Warehouse
- Student Government
- Custodial Office Suites
- Group Music Practice Rooms

DINING PROGRAM

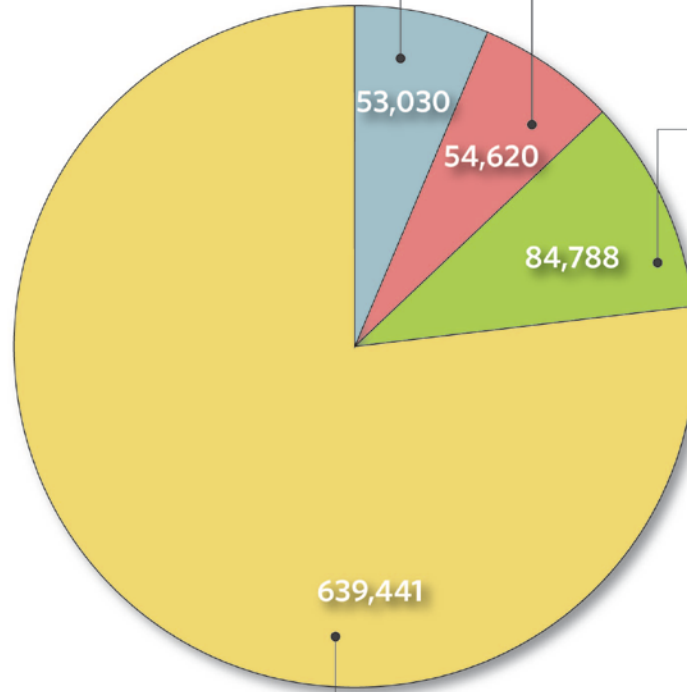
6.57 %

- New Dining Hall
- Catering/Commissary
- Great Room
- Small Catering Kitchen

COMMUNITY PROGRAM

10.19 %

- Main Lounge
- Group Kitchen
- Admin. Office
- Music Practice Rooms
- Meeting Rooms
- Laundry
- Building Support
- Bike Storage

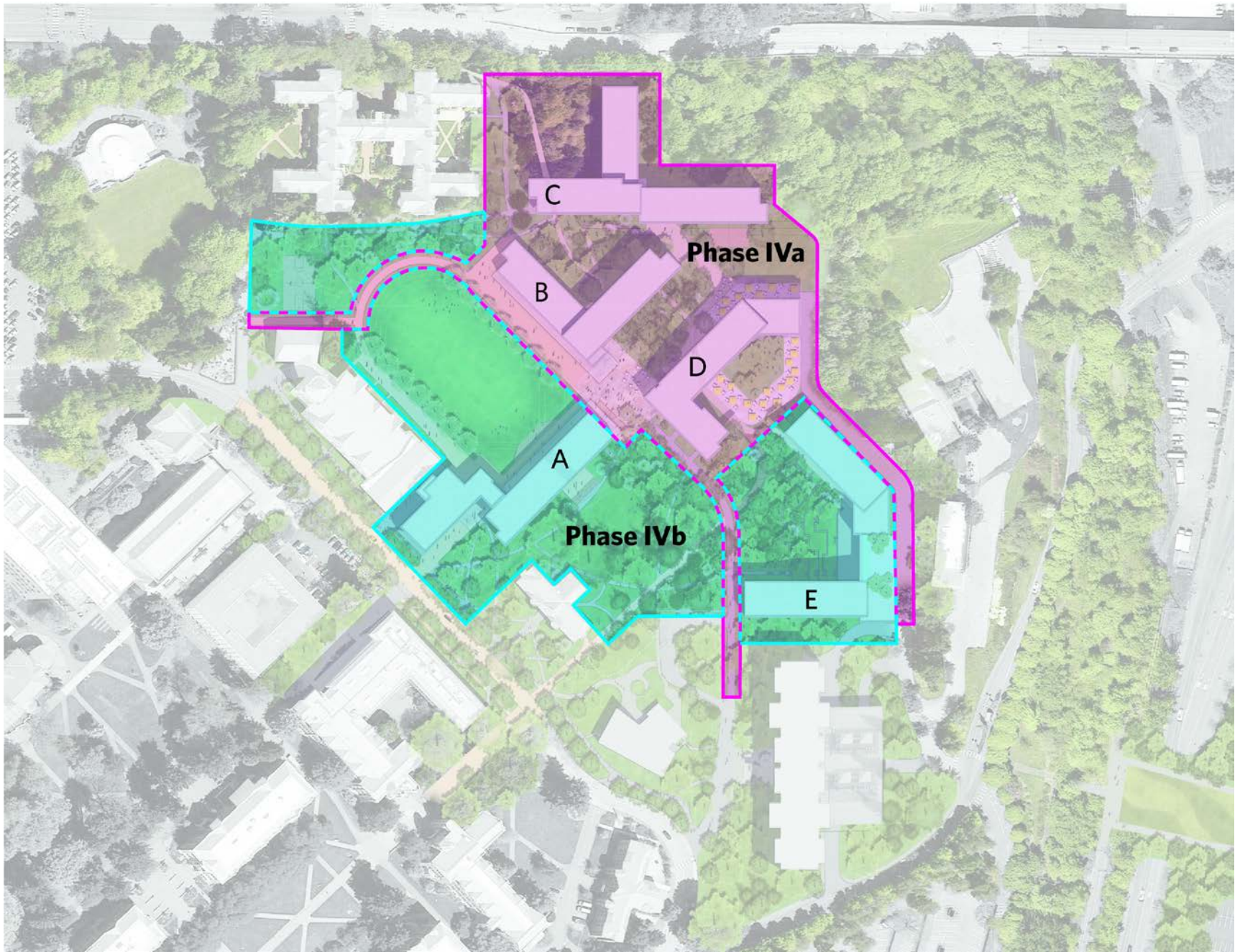


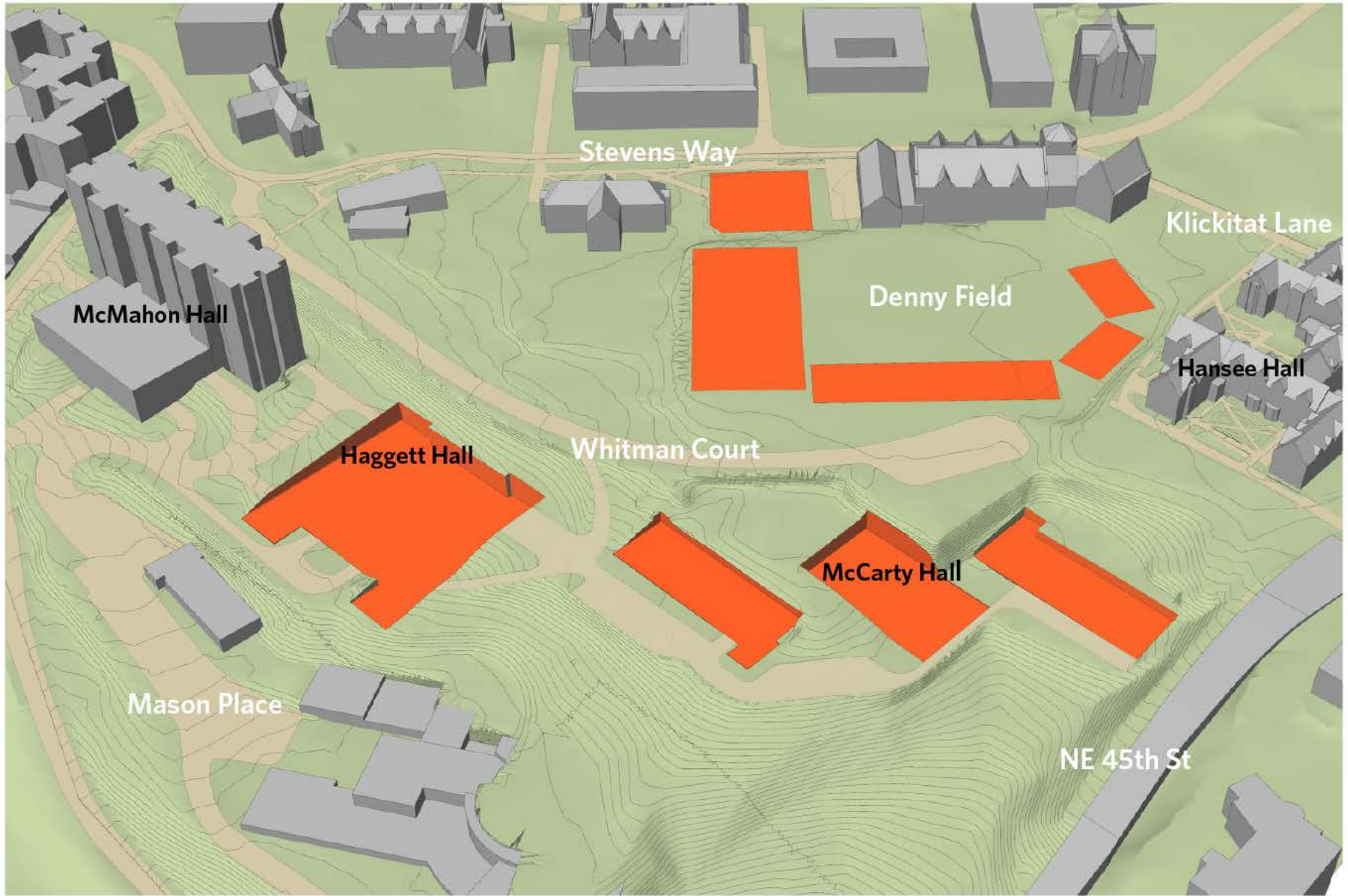
RESIDENTIAL PROGRAM

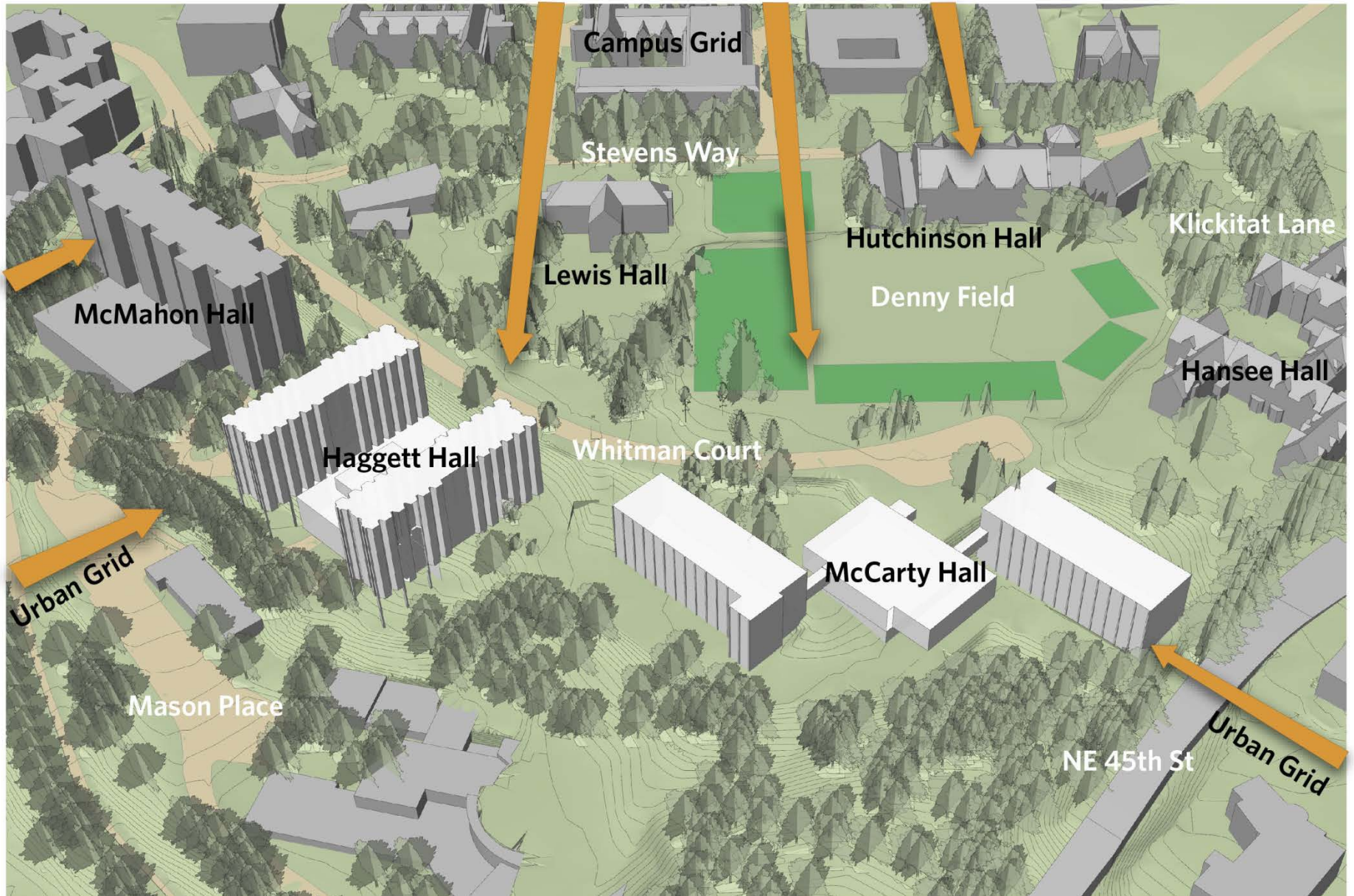
76.87 %

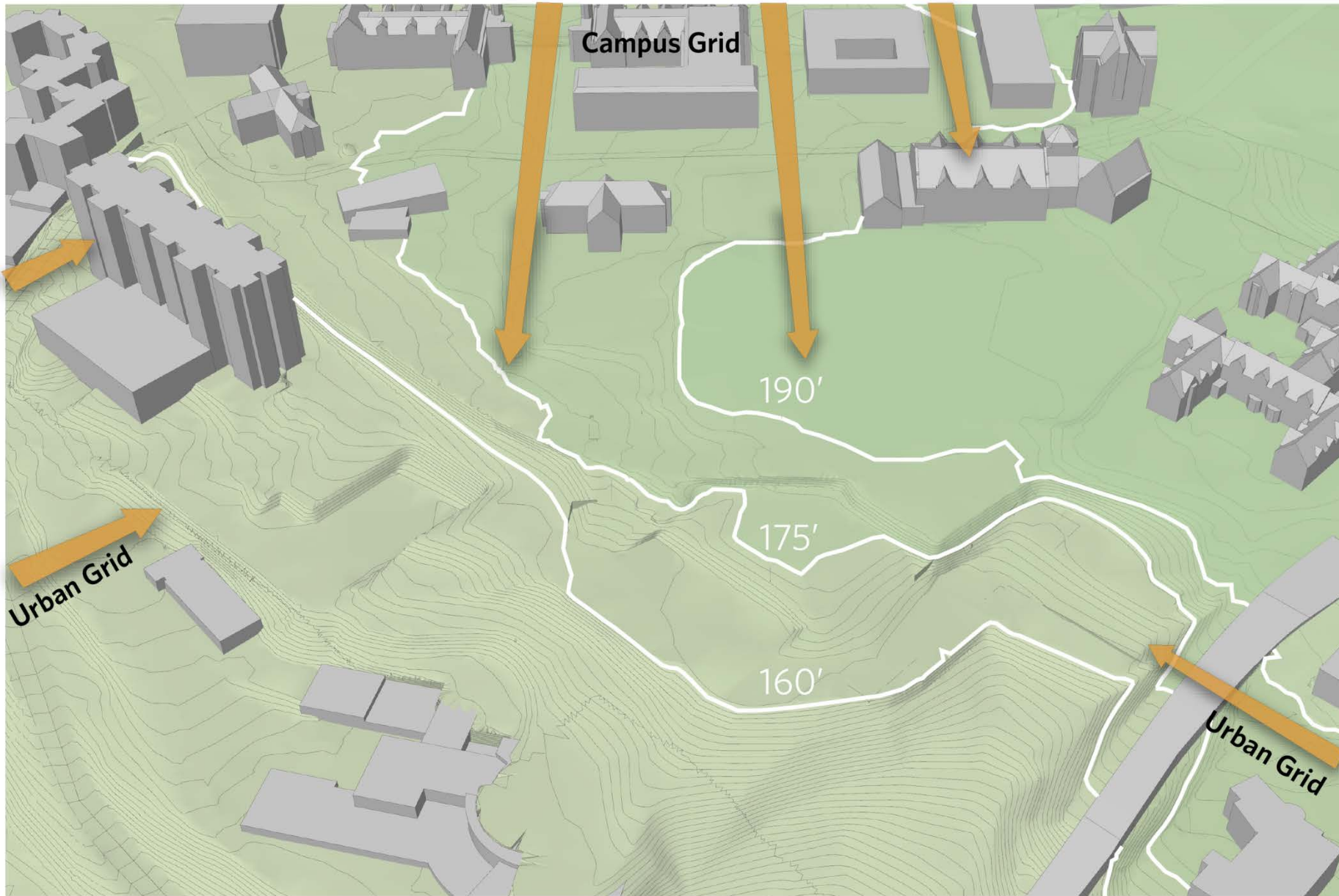
- Floor Lounges
- Group Study Lounges
- Single Rooms
- Double Rooms
- Triple Rooms
- Quad Rooms
- Studio Apartments
- Staff Apartments

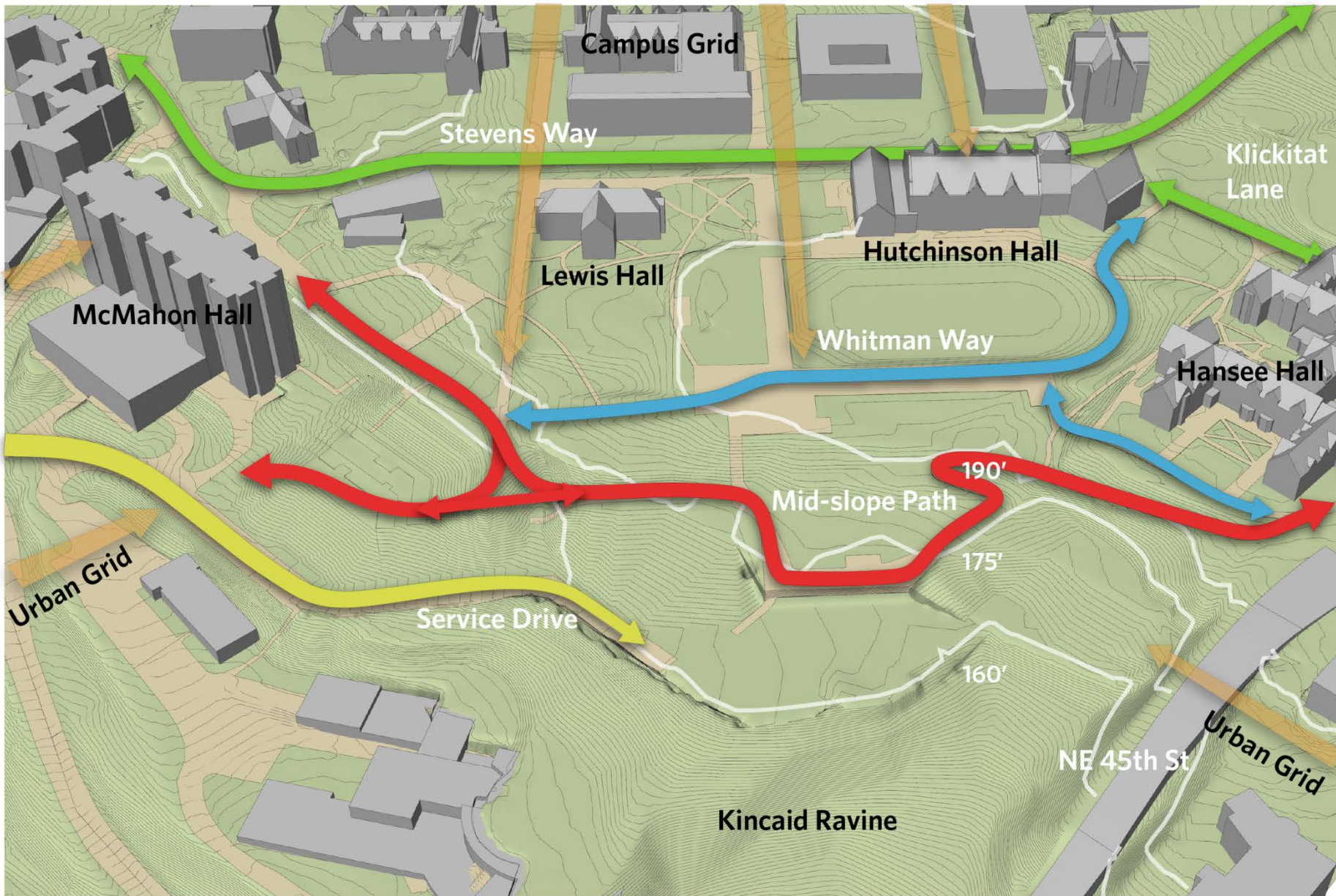
TOTAL AREA = 831,879 GSF
2,850 BEDS

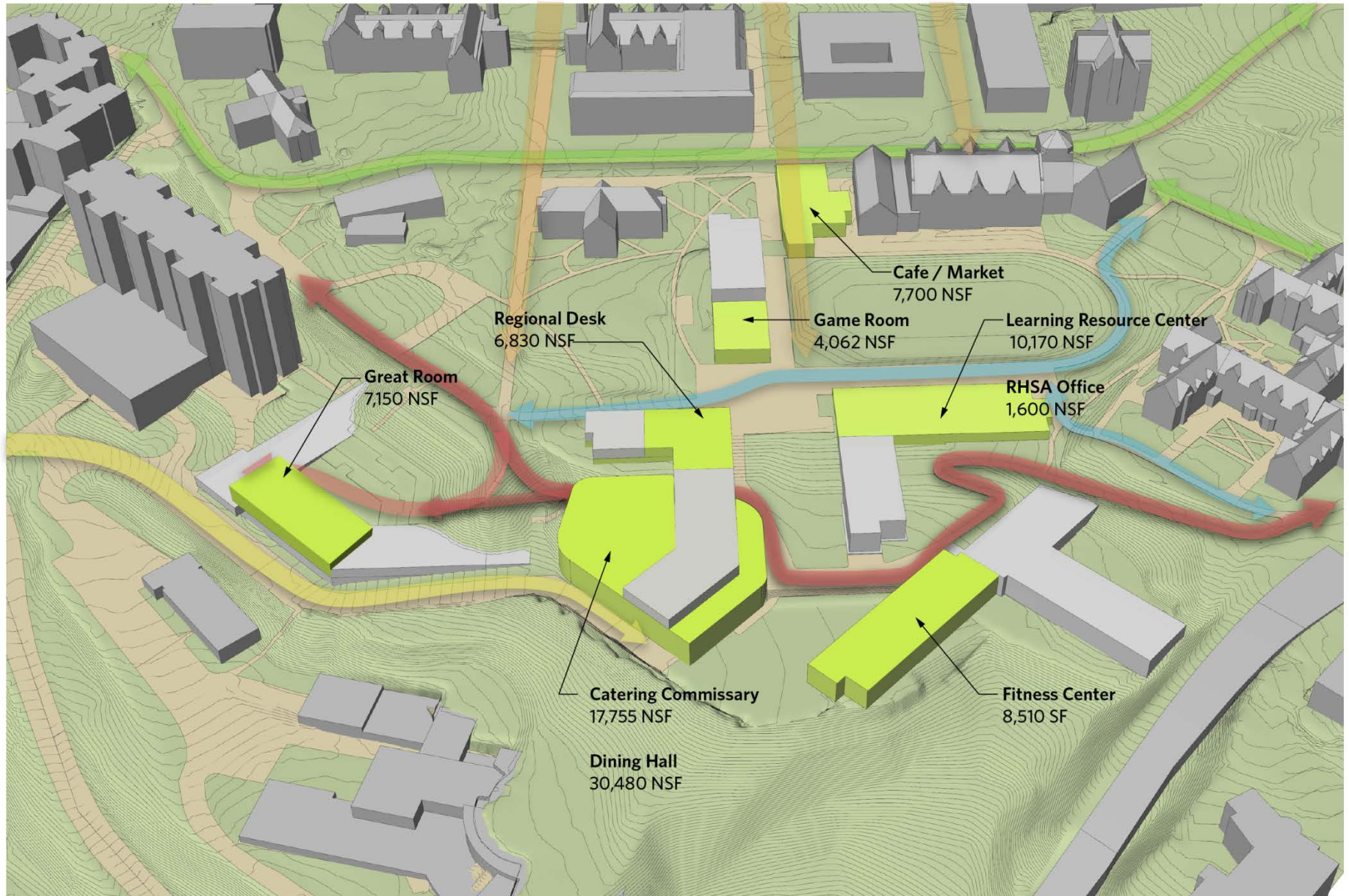


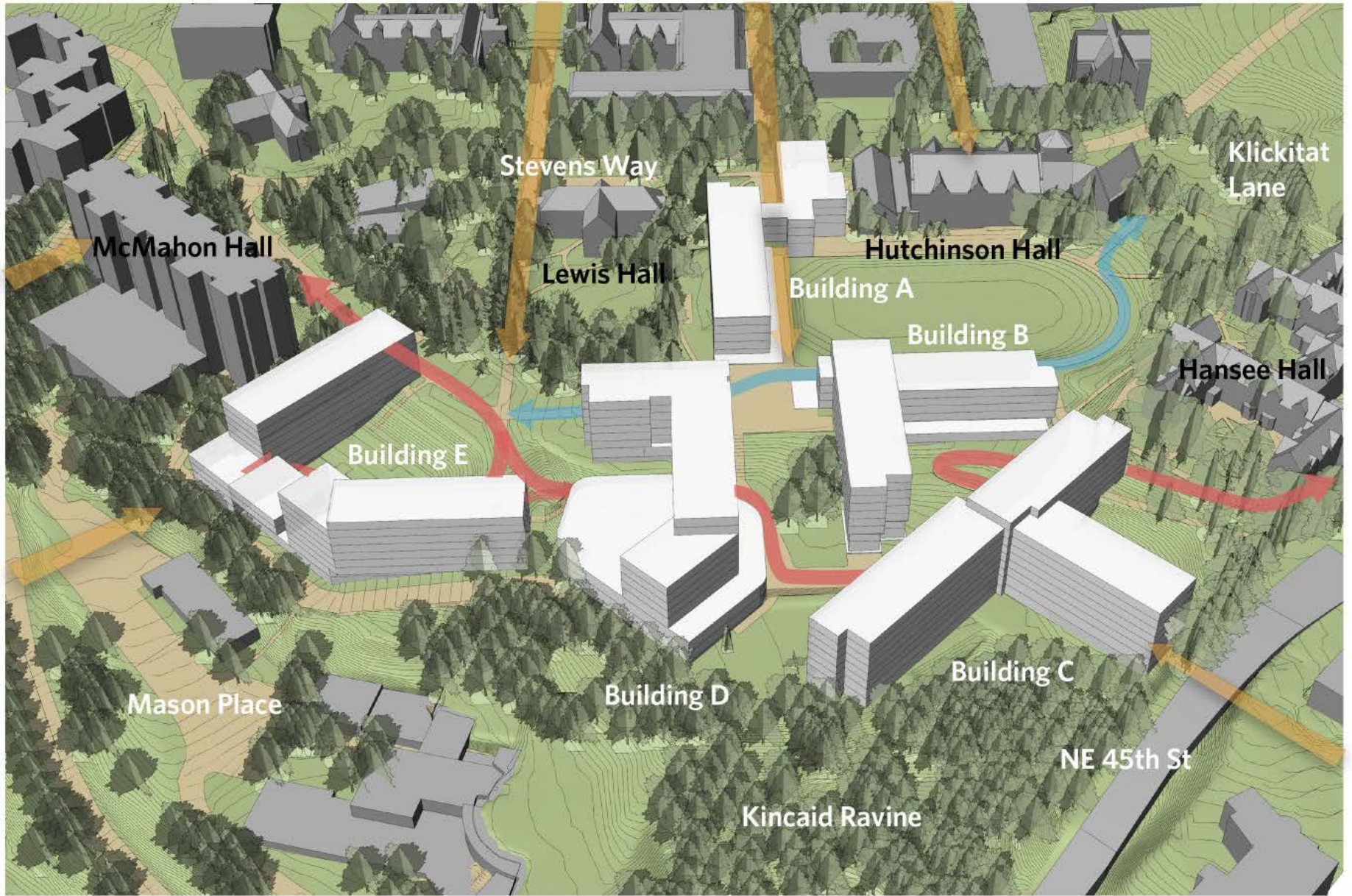












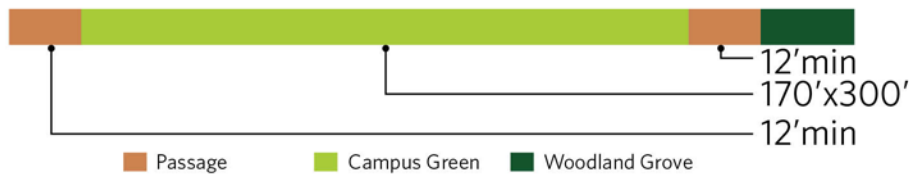
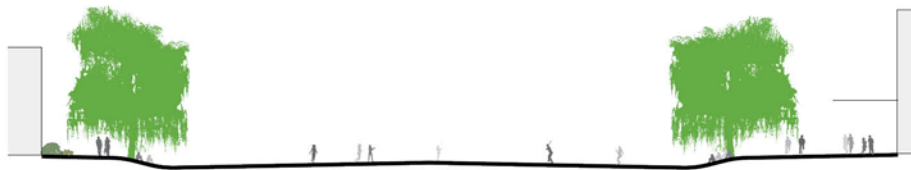


1 DENNY FIELD RECREATIONAL FIELDS



Description

The largest open space in this precinct is a play field that celebrates the location of the University of Washington's first football field: Denny Field. The proposed design reshapes this intramural field reminiscent of a stadium space, designed as an elliptical bowl-shaped field flanked lengthwise by deciduous trees, gently sloped banks that function as informal seating for spectators as well as covered porch views from residence halls 'A' and 'B'.



2 LEWIS GROVE CAMPUS GREEN



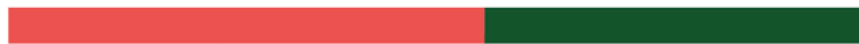
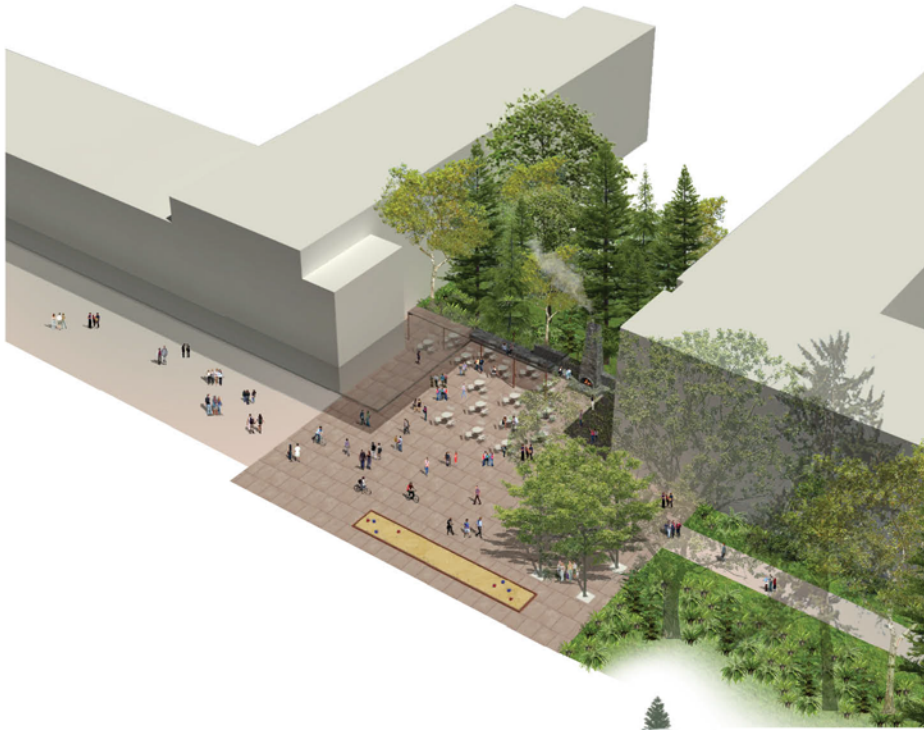
Passage
 Campus Green
 Woodland Grove



Description

Behind Lewis Hall, several clumps of significant trees with infill plantings will form the nucleus of a shaded grove, within which a circular lawn will be framed by flowering understory trees and shrubs. It is envisioned as a space for informal gatherings and occasions within the campus community.

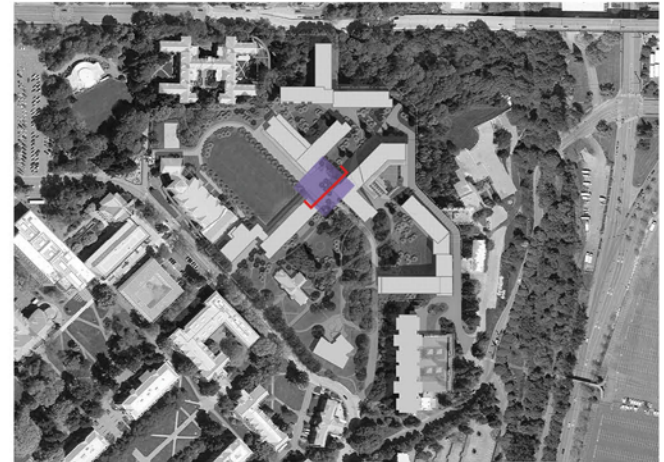
3 PLAZA TOWN SQUARE



100' x 100' Min.

■ Plaza

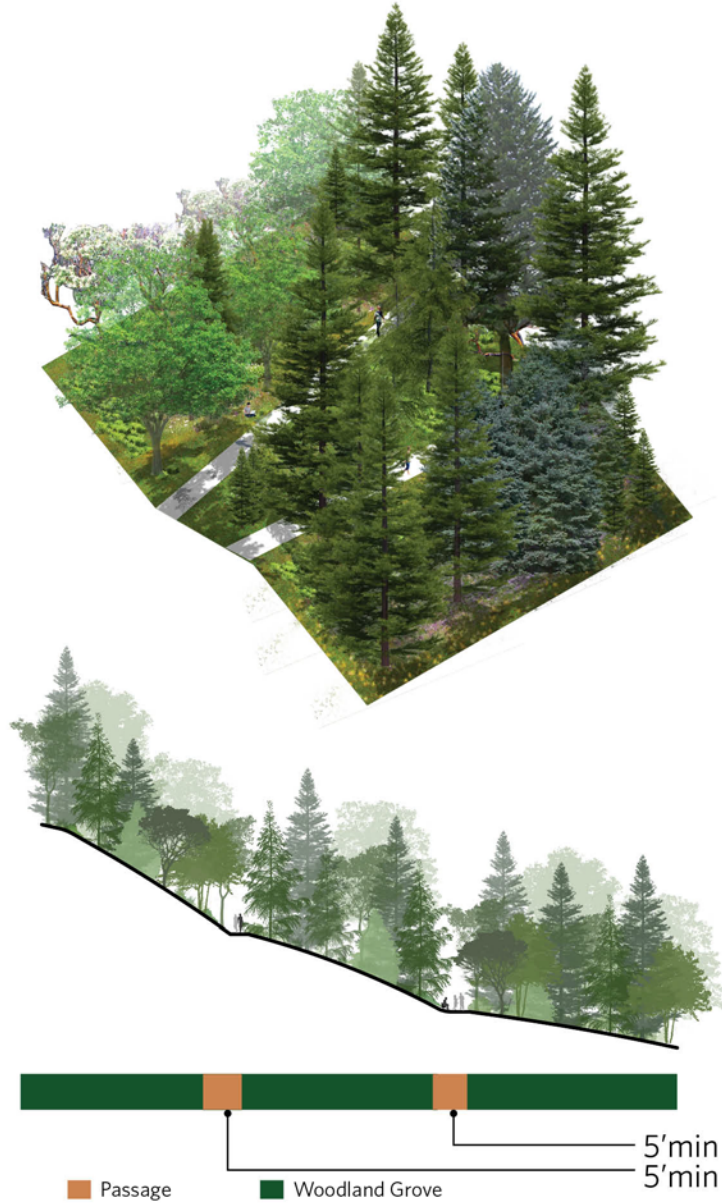
■ Woodland Grove



Description

The Town Square is the confluence of student activity and circulation. The square will provide access to regional and local student services and facilities, as well as providing a locus for events and activities that require a supporting pavement. This space will be heavily trafficked as point of meeting, orientation, events and other student activities.

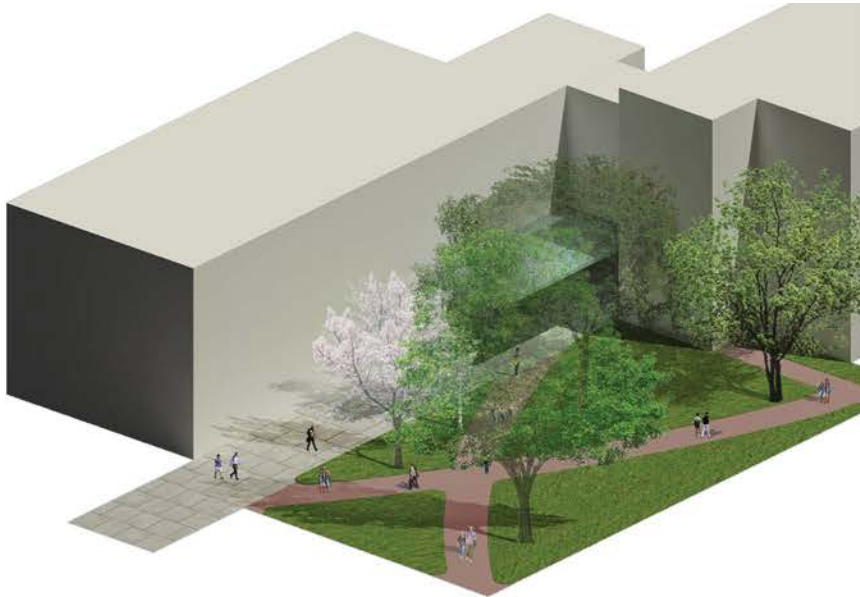
4 KINCAID RAVINE WOODLAND GROVE



Description

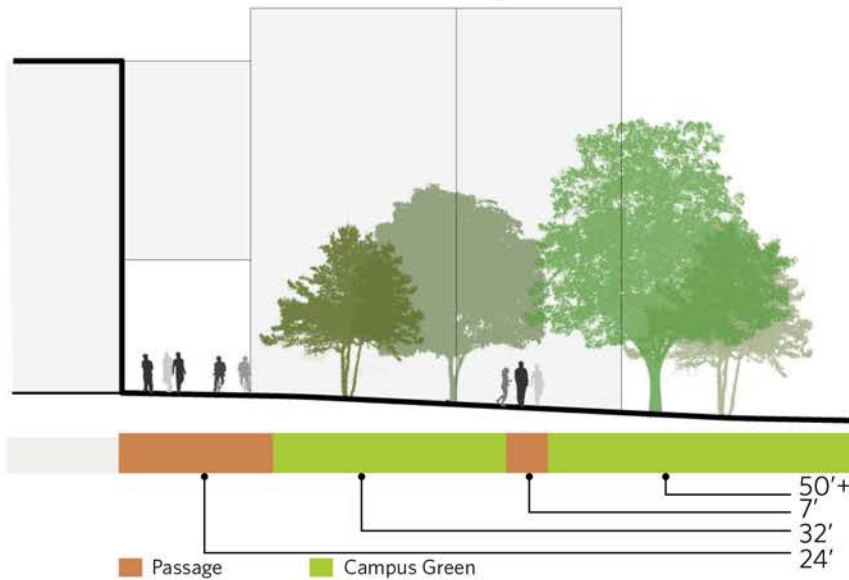
Kincaid Ravine is to be restored with appropriate native species to provide habitat as well as a safe, usable, stable pedestrian path connecting the student community above with the Burke Gilman Trail and the University Village commercial area below.

5 CHELAN LANE + STEVENS WAY COURT PASSAGE + GREEN



Description

This passage to the residential community, between Building A and Lewis Hall, will be adjacent to a traditional lawn and canopy trees as found on many campuses and exemplified by the pastoral sloping yard to the east of Denny Hall that is traversed with paths.



6 AMPHITHEATER TERRACED WOODLAND



Description

This amphitheater is a courtyard space that looks out to the Cascade Range and is embraced by the preserved woodlands on the existing rockery parallel to Whitman Way.





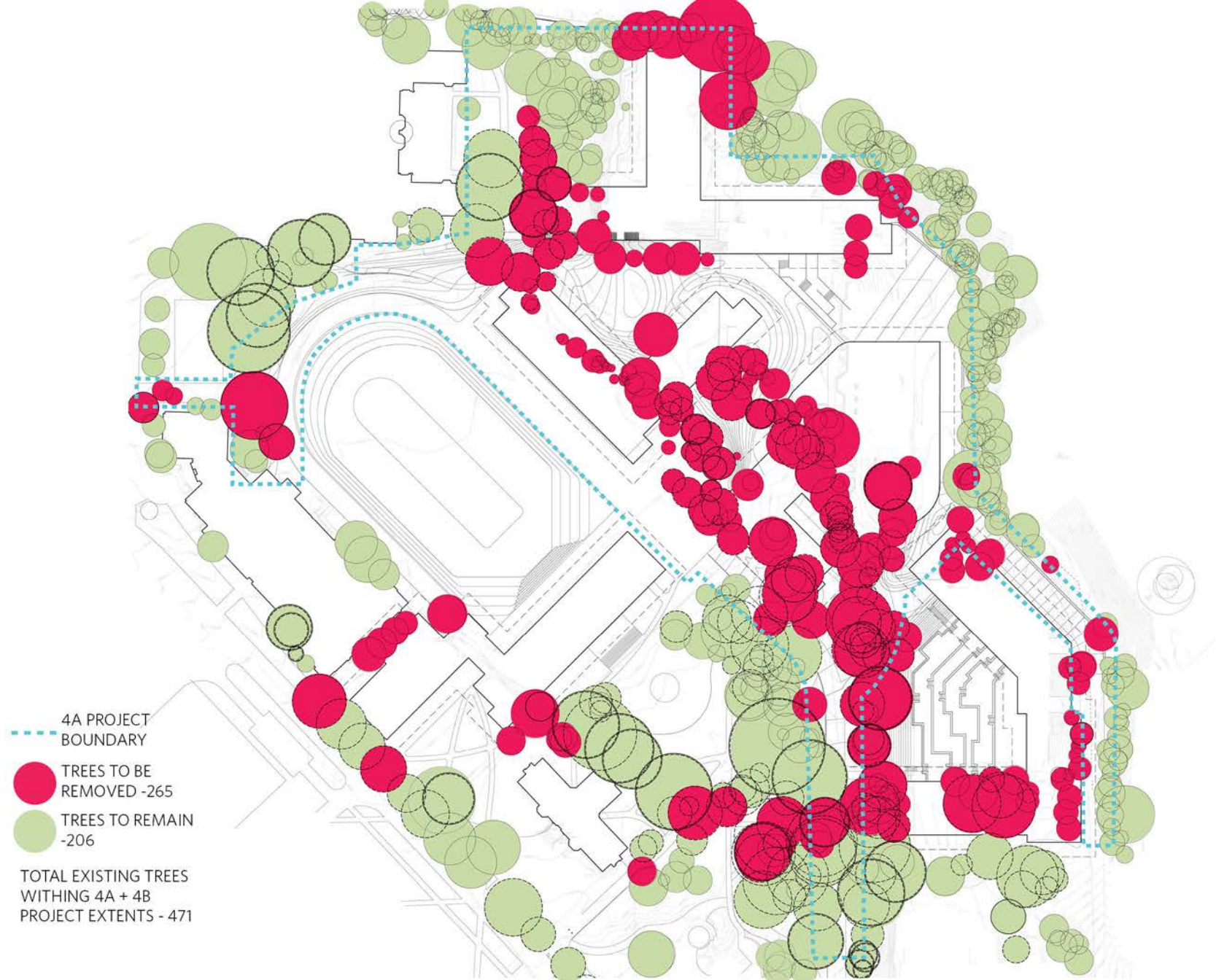
1936



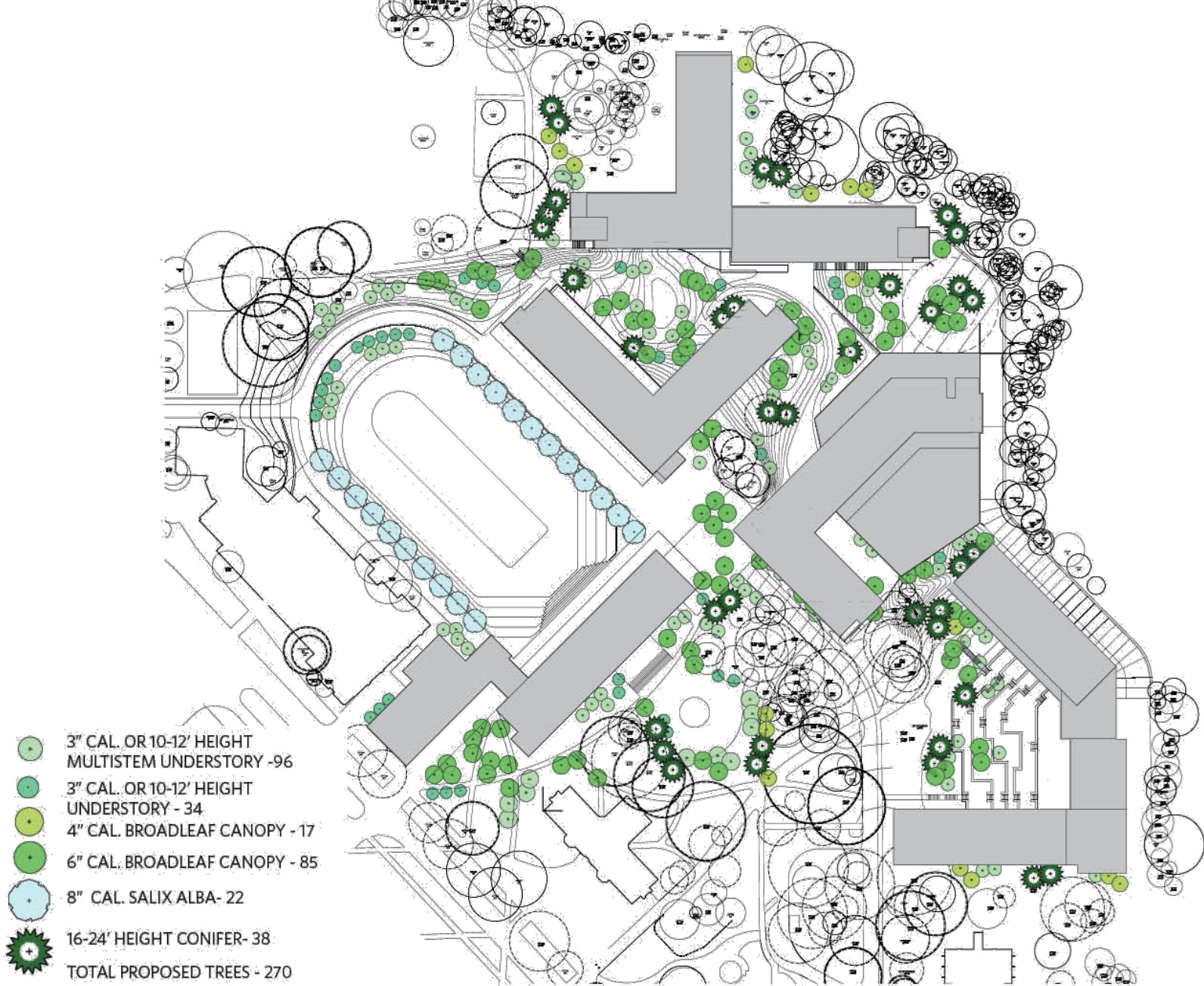
1969



2011







CONIFEROUS TREES



Yellow Cedar



Cryptomeria



Lodgepole Pine



Western White Pine



Douglas Fir



Western Red Cedar



Western Hemlock

DECIDUOUS TREES



Big Leaf Maple



Pacific Madrone*



Paper Birch



Katsura



Yellowwood



Oregon Ash

Additional Trees:
 Horse Chestnut
 Sweetgum
 Plane Tree
 Quaking Aspen
 Garry Oak
 White Willow

*Madrone available only in limited size

UNDERSTORY TREES



Vine Maple



Serviceberry



Dogwood



Black Hawthorn

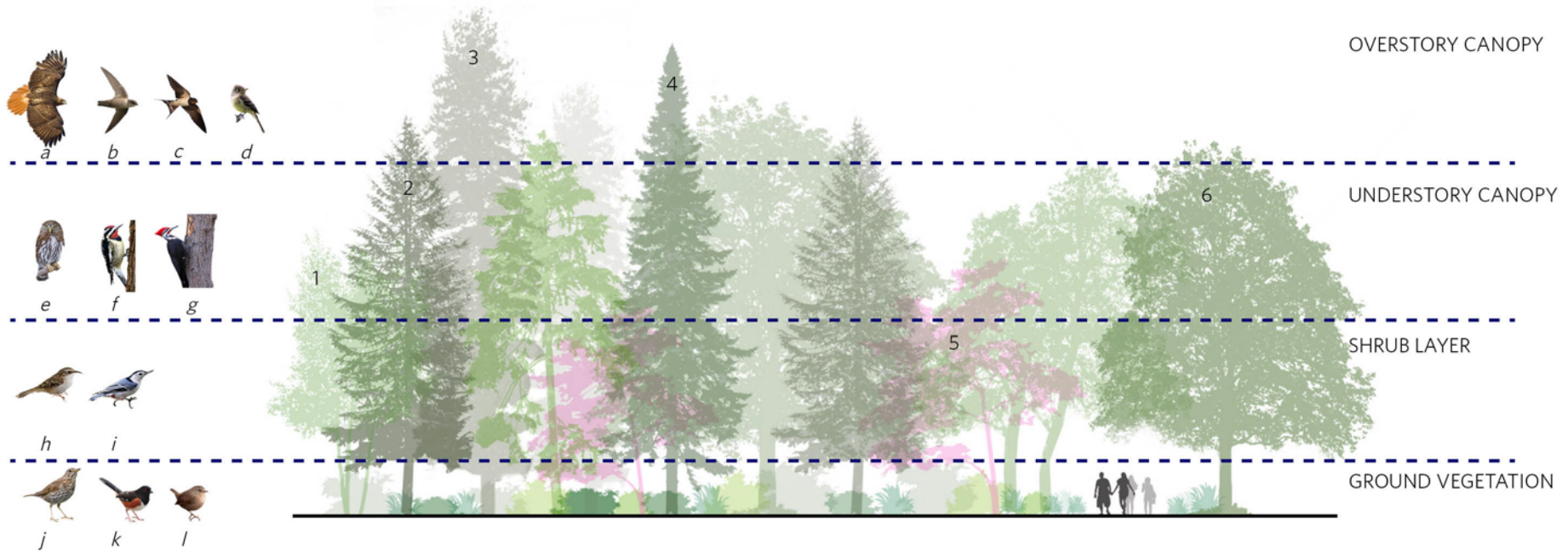


Pacific Crabapple



Cherry

Additional Trees:
 Cascara



RAVINE PLANTINGS -
CONIFER DOMINANT

CAMPUS PLANTINGS -
DECIDUOUS DOMINANT

BIRD SPECIES

- a. Red-Tailed Hawk
- b. Swift
- c. Swallow
- d. Fly-Catcher
- e. Pygmy Owl
- f. Sapsucker

- g. Pileated Woodpecker
- h. Brown Creeper
- i. Nuthatch
- j. Thrush
- k. Towhee
- l. Winter Wren

TREE SPECIES

- | | |
|---------------------------------|--------------------|
| 1. <i>Betula papyrifera</i> | Paper Birch |
| 2. <i>Tsuga heterophylla</i> | Western Hemlock |
| 3. <i>Pinus monticola</i> | Western White Pine |
| 4. <i>Pseudotsuga menziesii</i> | Douglas Fir |
| 5. <i>Cornus nuttallii</i> | Pacific Dogwood |
| 6. <i>Acer macrophyllum</i> | Big Leaf Maple |

UW NORTH CAMPUS HOUSING STORMWATER STRATEGY

NOTES:
 - ALL RUNOFF WILL DISCHARGE TO A DESIGNATED RECEIVING WATER THROUGH THE UNIVERSITY'S DEDICATED STORM DRAIN SYSTEM. THEREFORE, THE PROJECT IS NOT REQUIRED TO PROVIDE FLOW CONTROL.
 - THE PROJECT WILL BE REQUIRED TO PROVIDE WATER QUALITY TREATMENT FOR POLLUTION GENERATING IMPERVIOUS SURFACES.

PHASE 4A LIMITS OF WORK
 APPROX. SITE AREA = 5.5 ACRES

LINEAR SLOTTED SUBDRAIN







GREEN ROOF ABOVE LRC

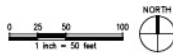
GREEN ROOF ON DECK OF BUILDING D

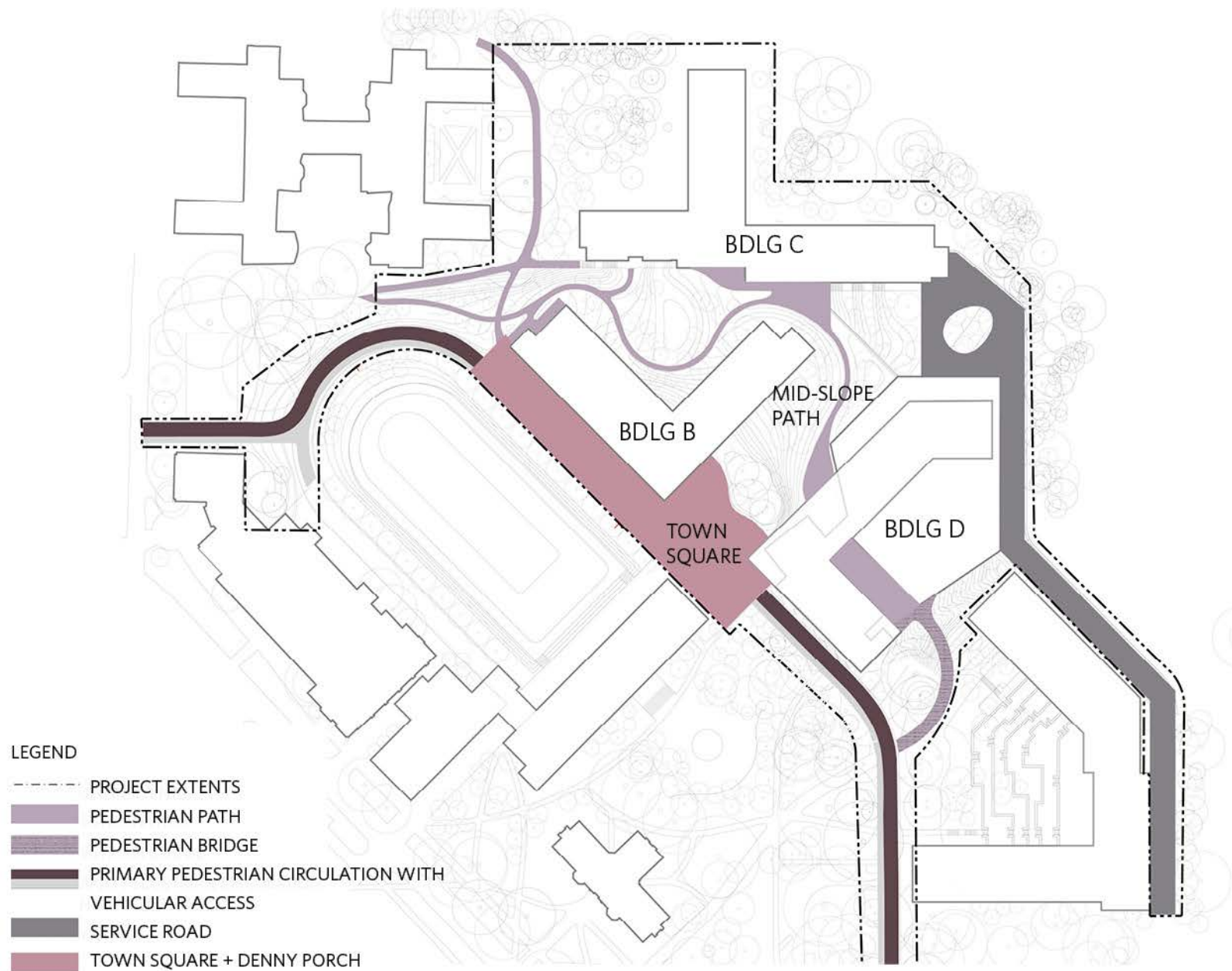
SWALE CONVEYING STORMWATER TO EAST SIDE OF SITE

DAYLIGHT STORMWATER TO SWALE

LEGEND

-  POLLUTION GENERATING IMPERVIOUS SURFACE
-  MAINTENANCE HOLE
-  CATCH BASIN
-  STORM DRAIN
-  DRAINAGE SWALE
-  SLOTTED SUBDRAIN







AT GRADE



FLOATING



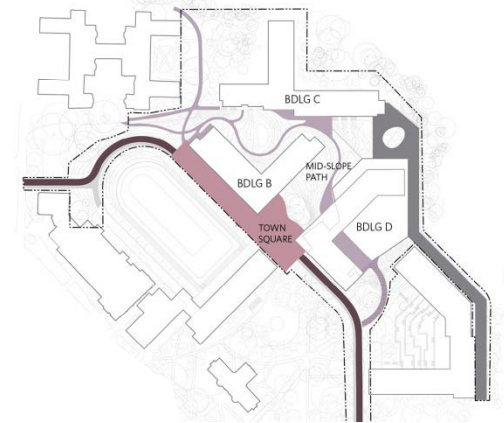
STEPS



CUT



FILL





USE



MATERIALS



STONE FINES



ASPHALT

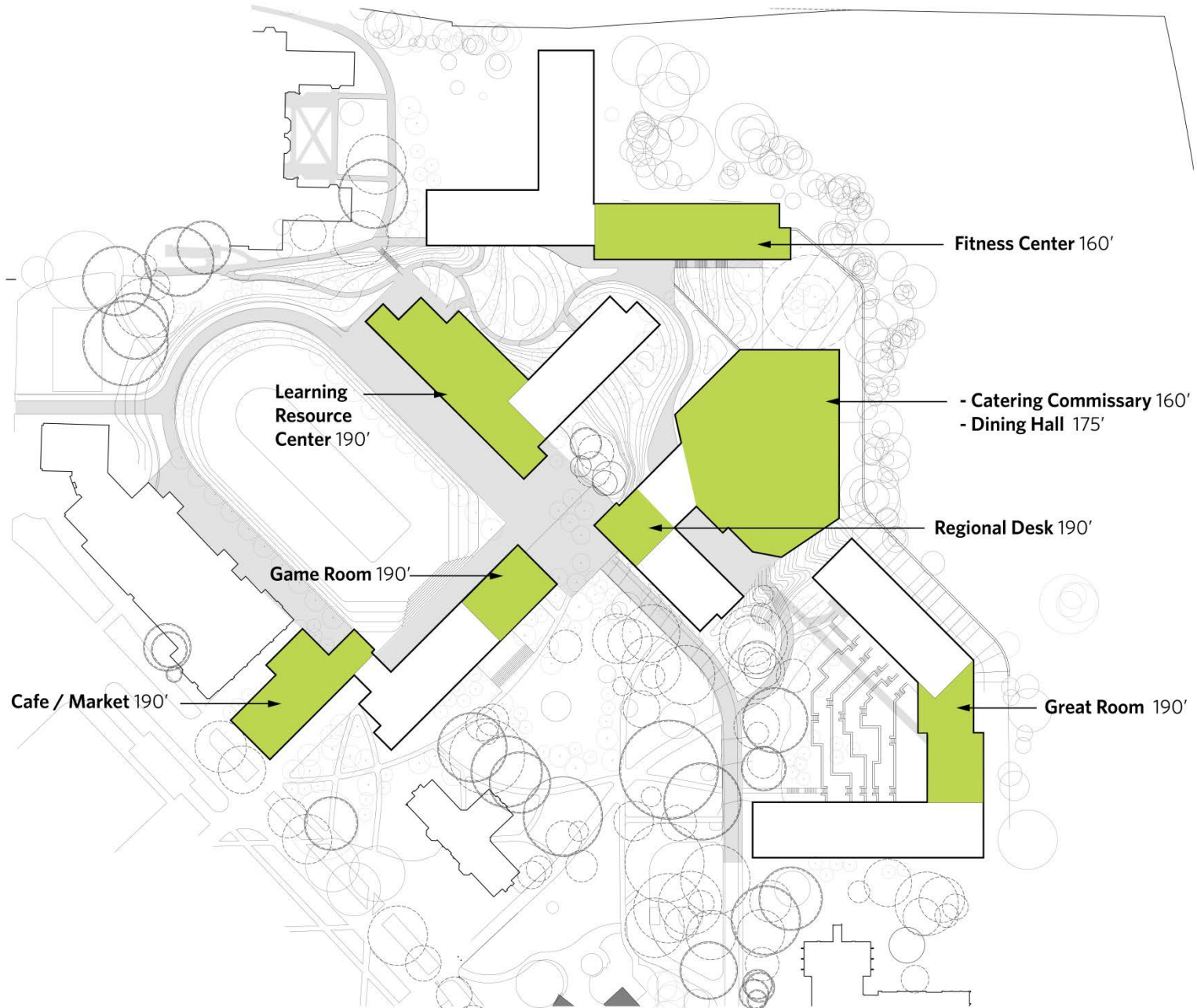


CONCRETE

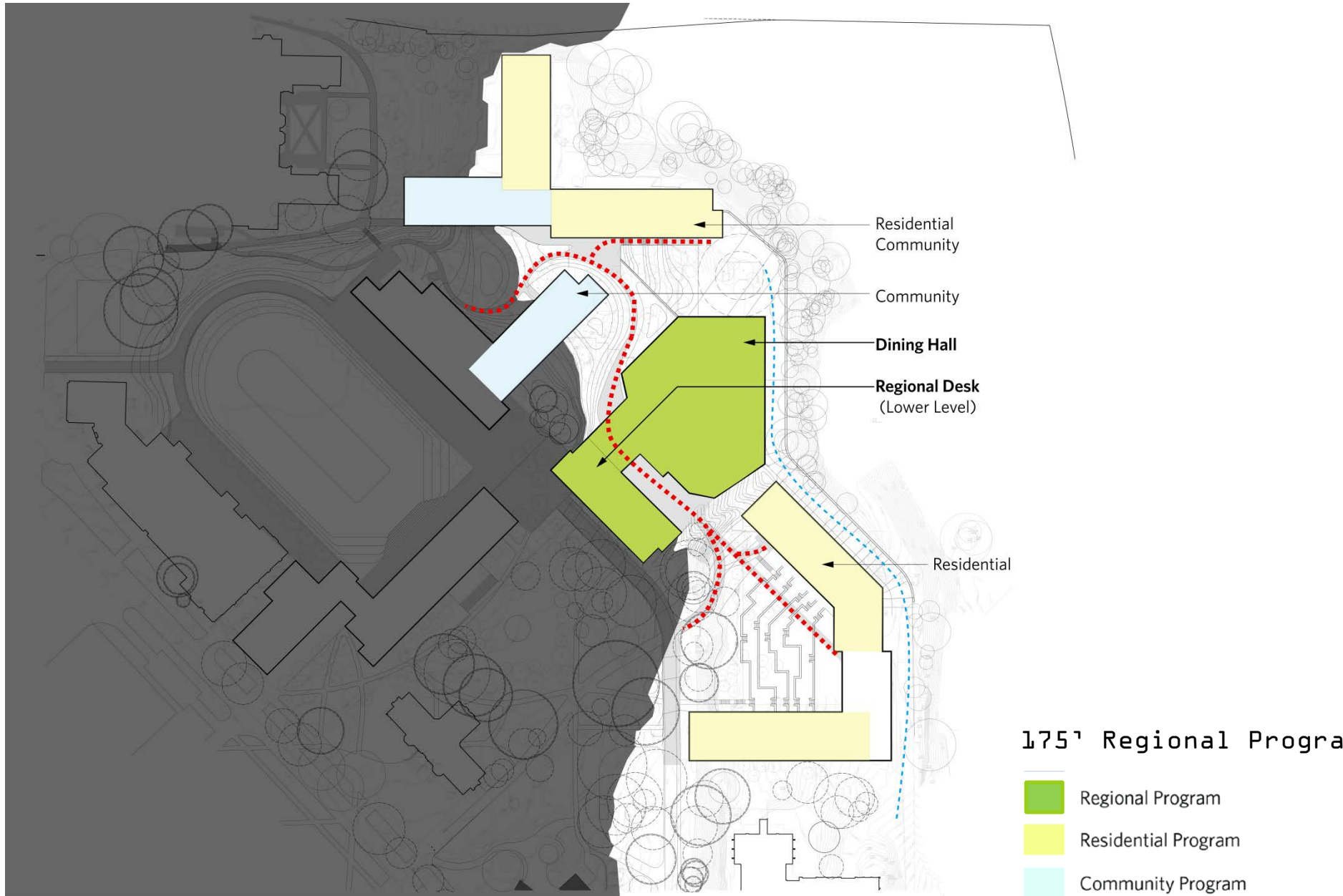


BRICK





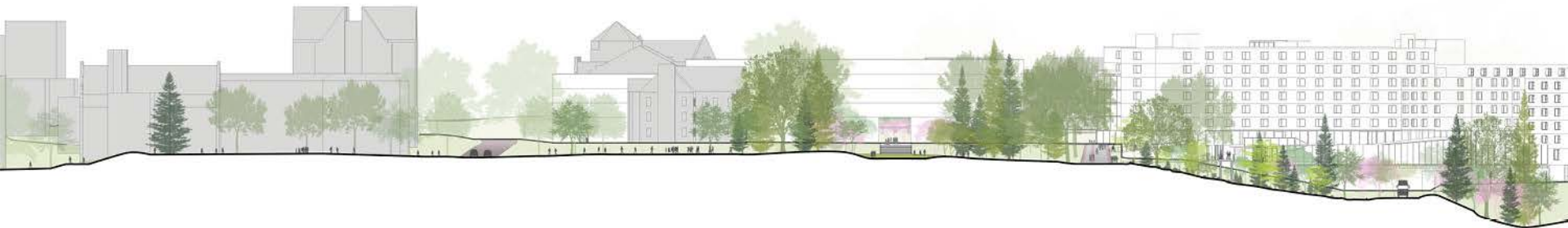
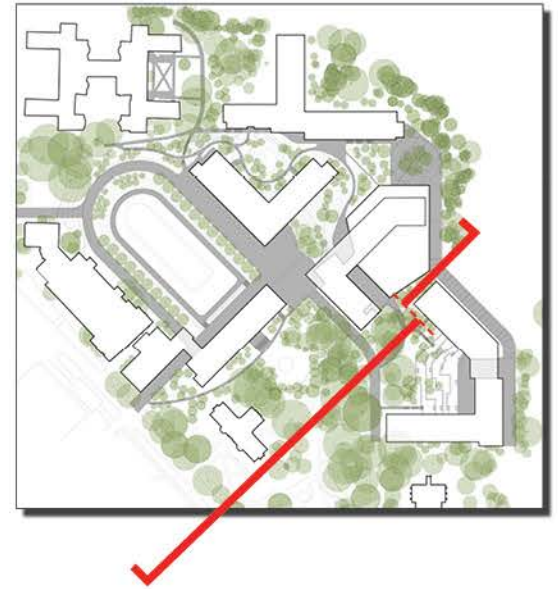






An aerial photograph of a university campus, showing a mix of residential buildings, green spaces, and athletic facilities. A semi-transparent grey rectangular box is overlaid in the center, containing the title text. The background image shows a dense residential area on the left, a large green field with a purple track on the right, and a large stadium with a 'W' logo in the bottom right corner.

ARCHITECTURE + LANDSCAPE
SCHEMATIC DESIGN UPDATE



LIBERAL ARTS QUAD

STEVENS WAY

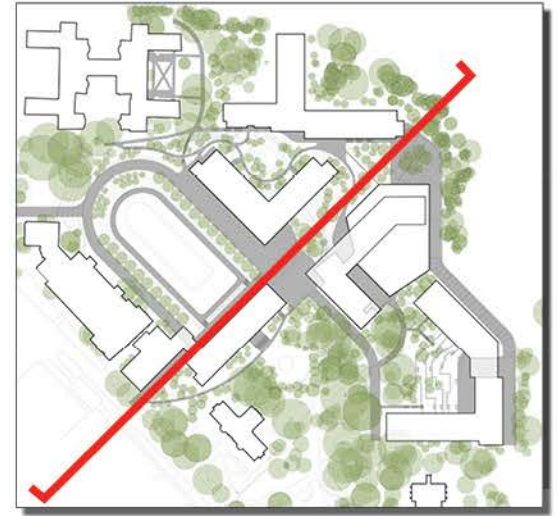
LEWIS HALL

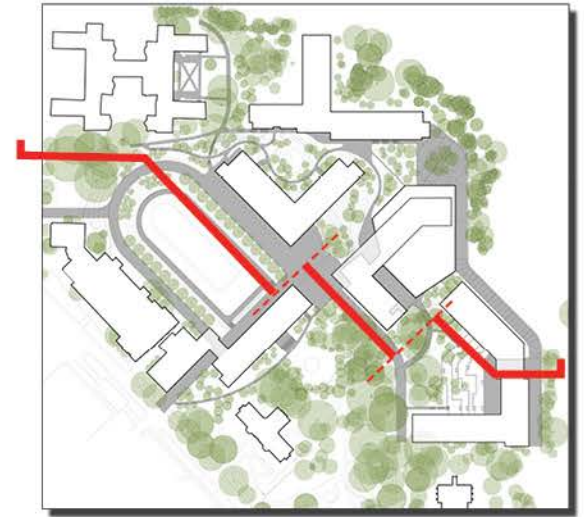
LEWIS GROVE

WHITMAN WAY

D

SERVICE DRIVE





HANSEE HALL

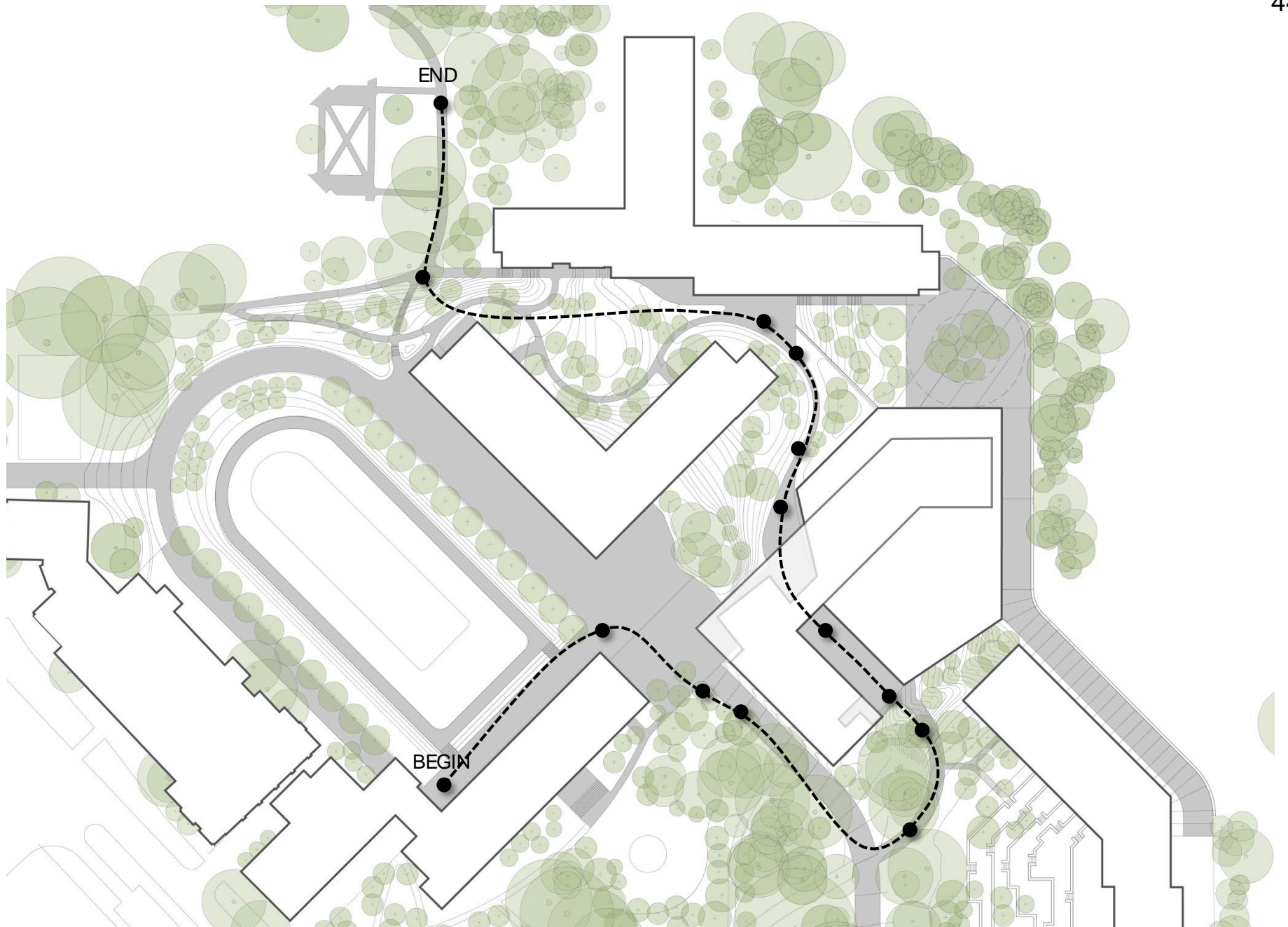
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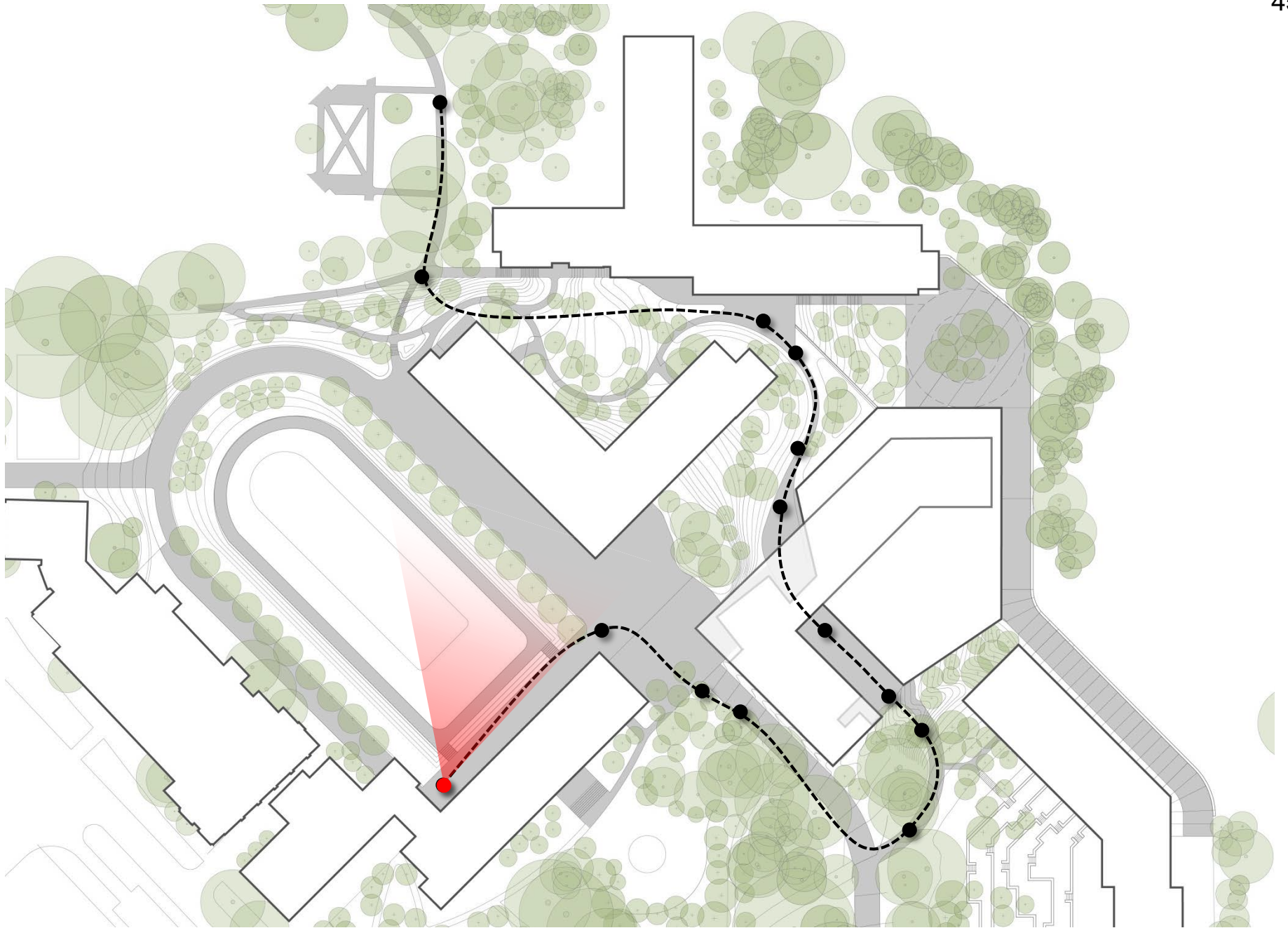
TOWN SQUARE

D

E

GREAT ROOM









MIDSLOPE PATH

STUDENT GOVERNMENT

RD APT

LEARNING RESOURCE CENTER

STUDIO APT

ARCADE

RLO

LOUNGE

ICE CREAM

OPEN TO BELOW

TOWN SQUARE



MID-SLOPE PATH

LOUNGE

LOUNGE

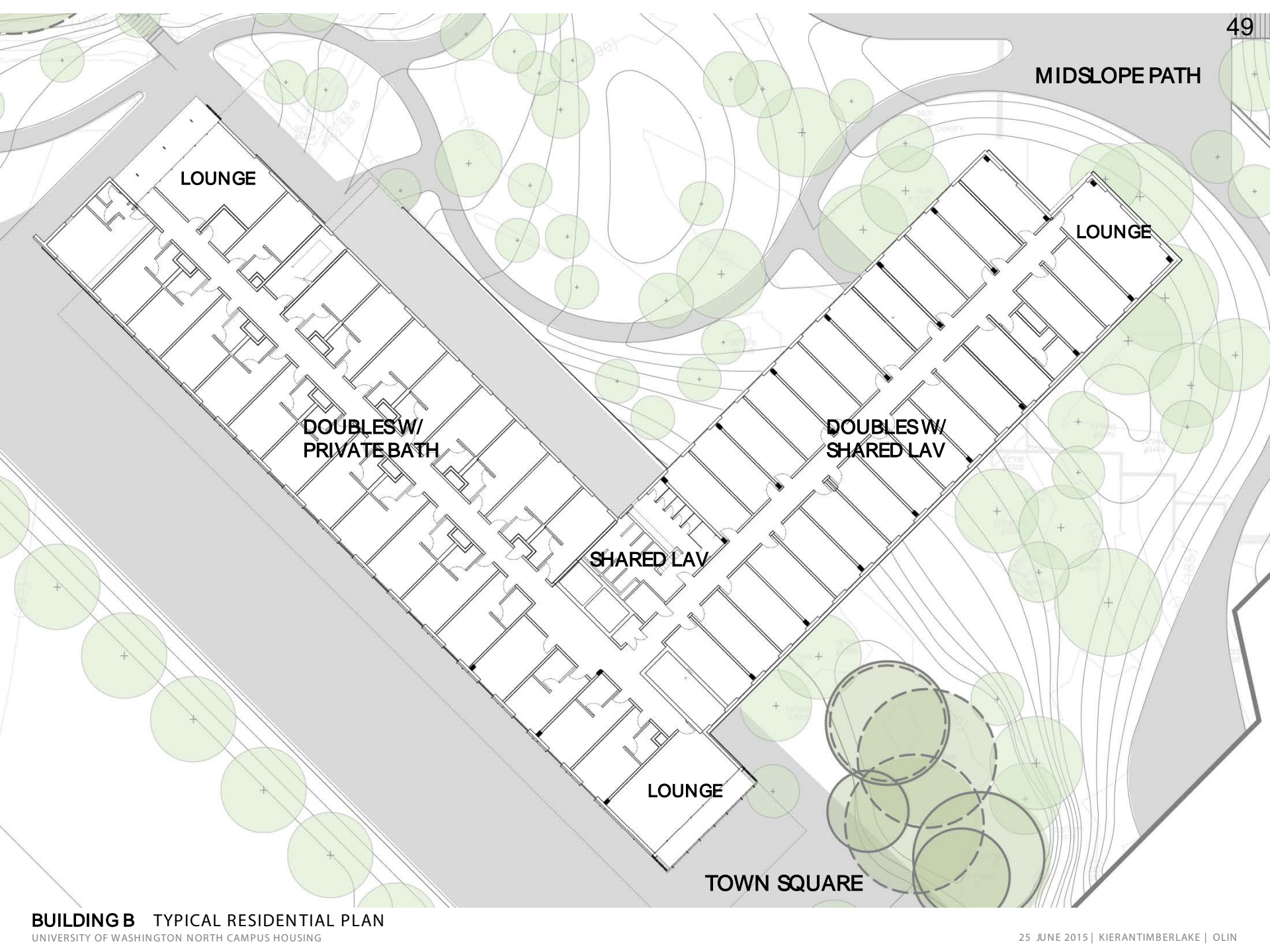
DOUBLESW/
PRIVATE BATH

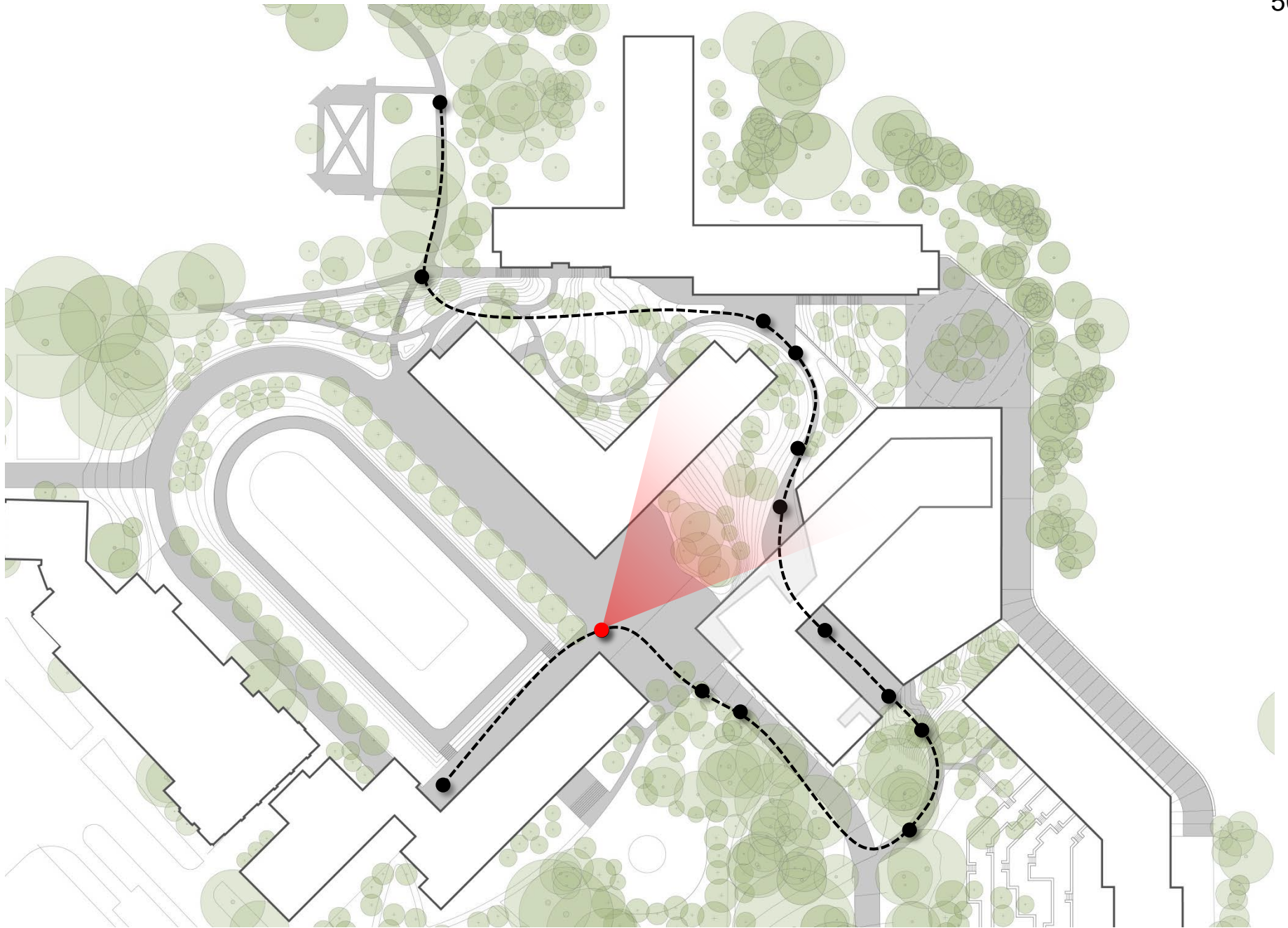
DOUBLESW/
SHARED LAV

SHARED LAV

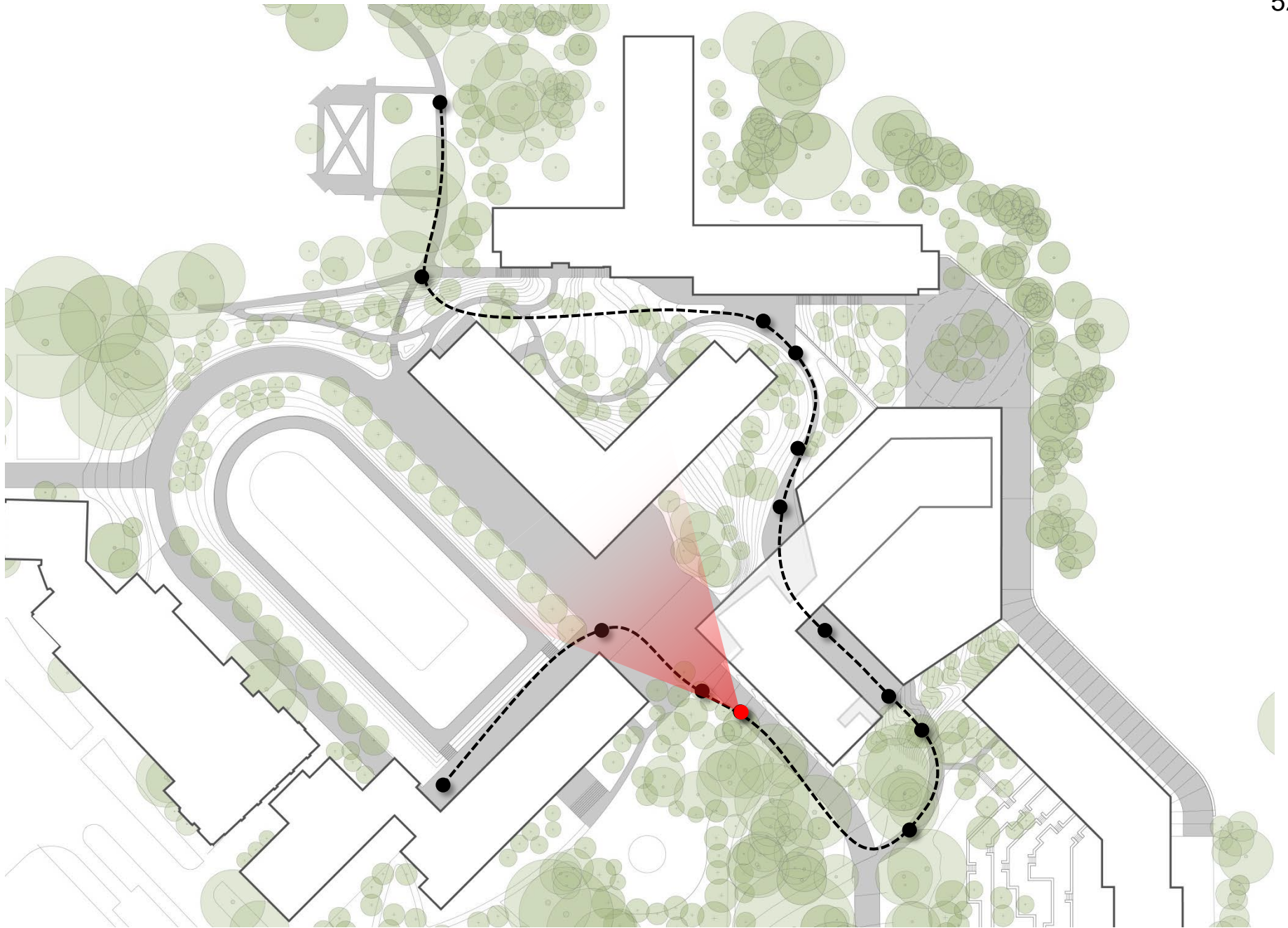
LOUNGE

TOWN SQUARE

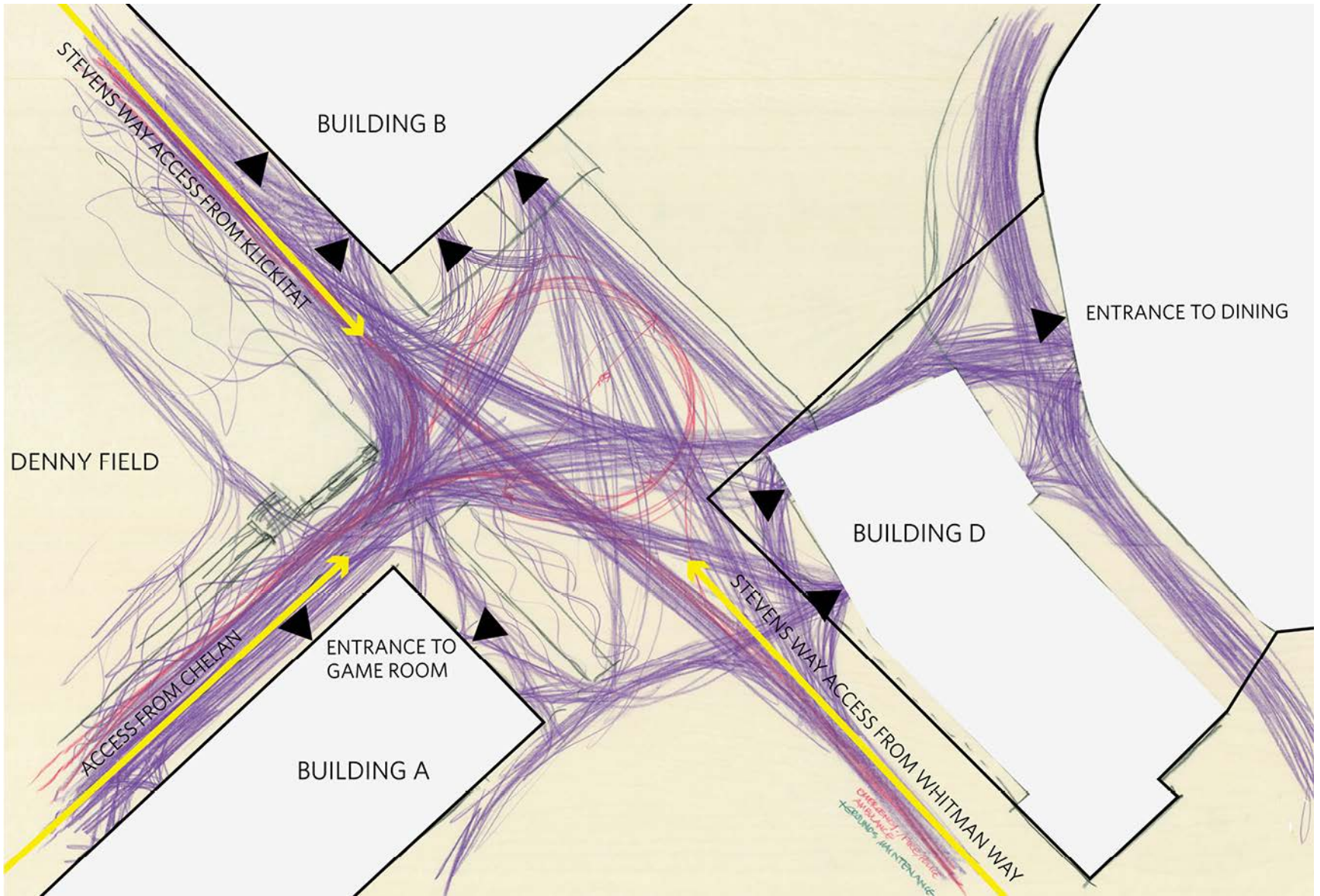








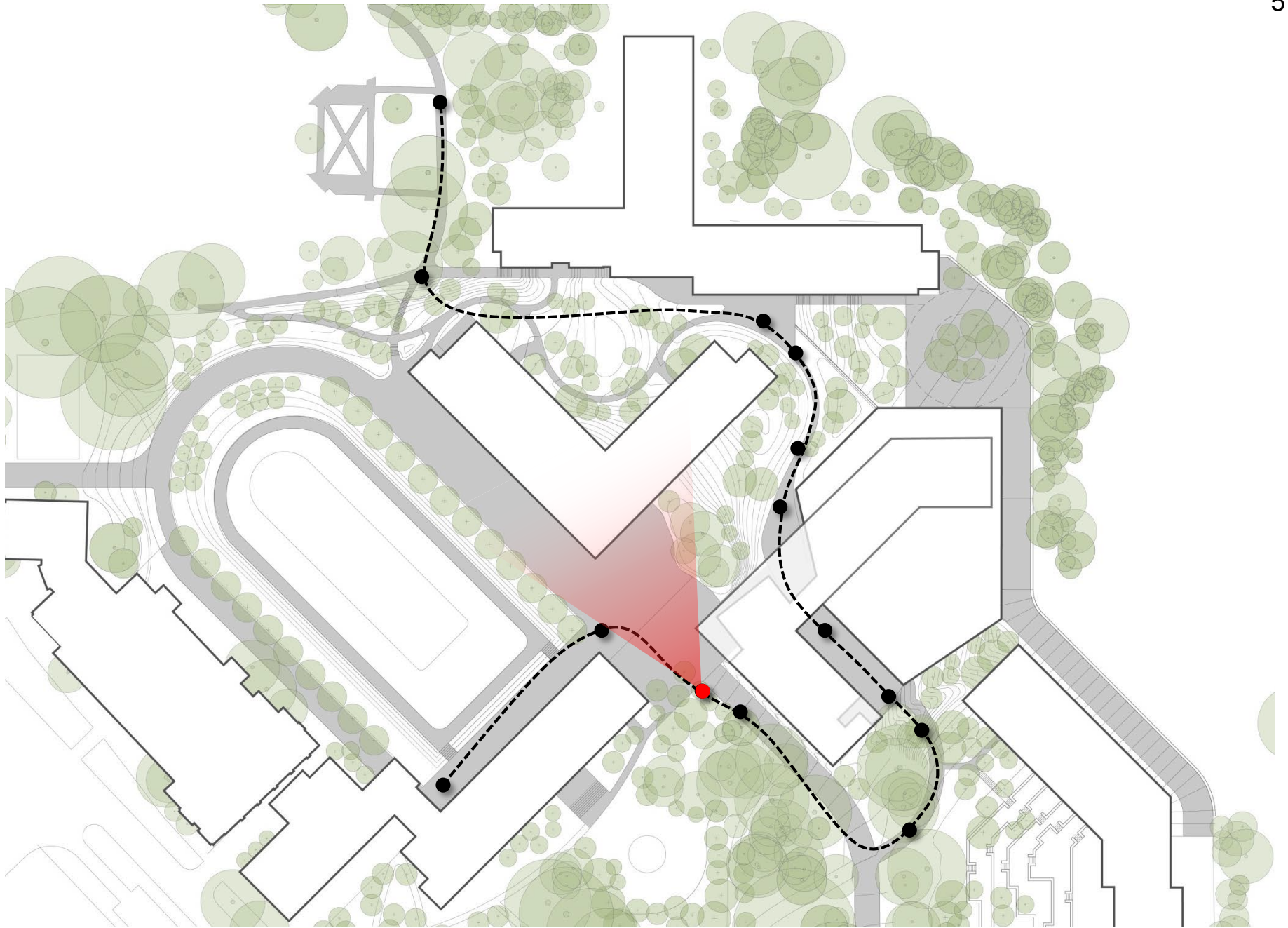




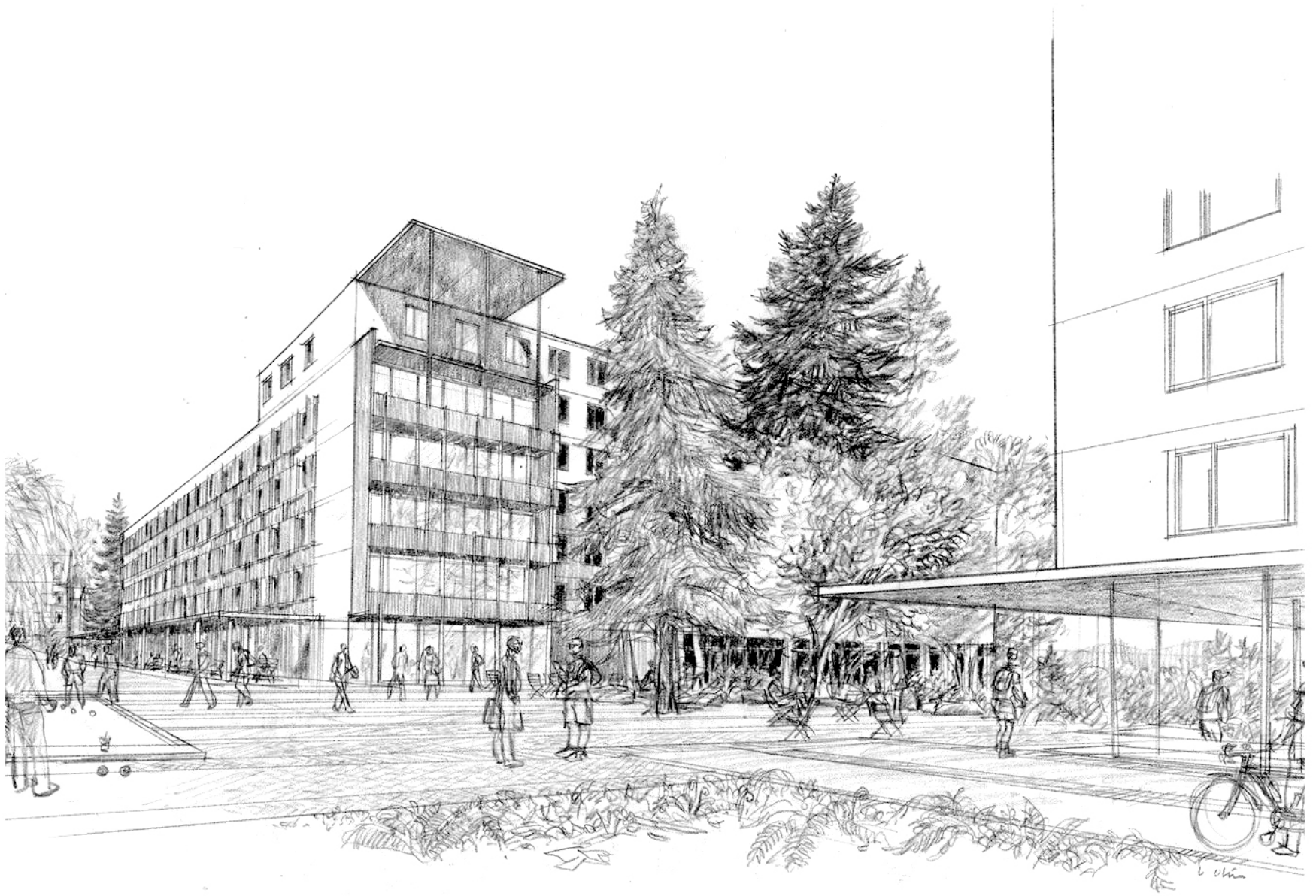


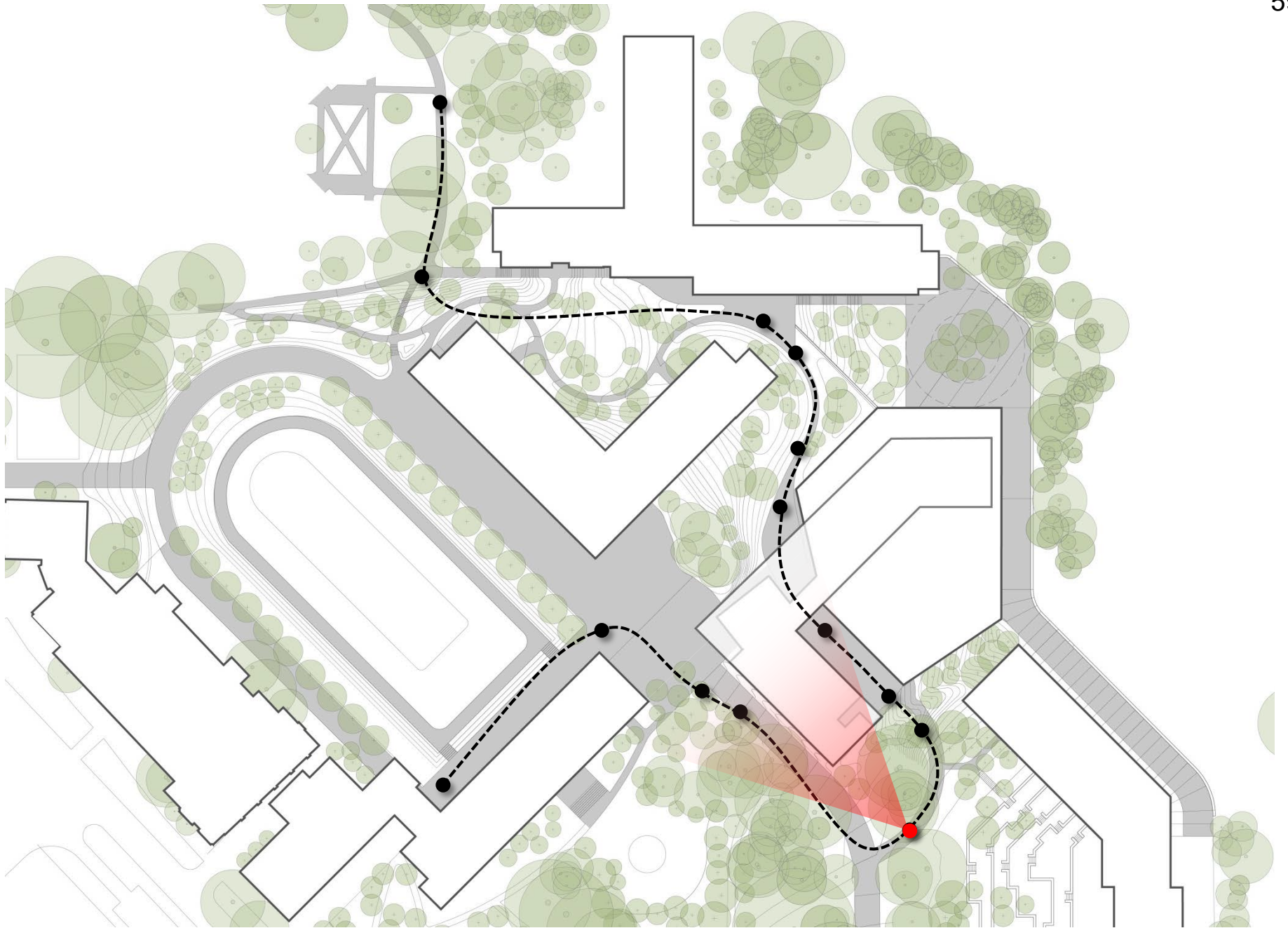
TOWN SQUARE PLAN
UNIVERSITY OF WASHINGTON NORTH CAMPUS HOUSING





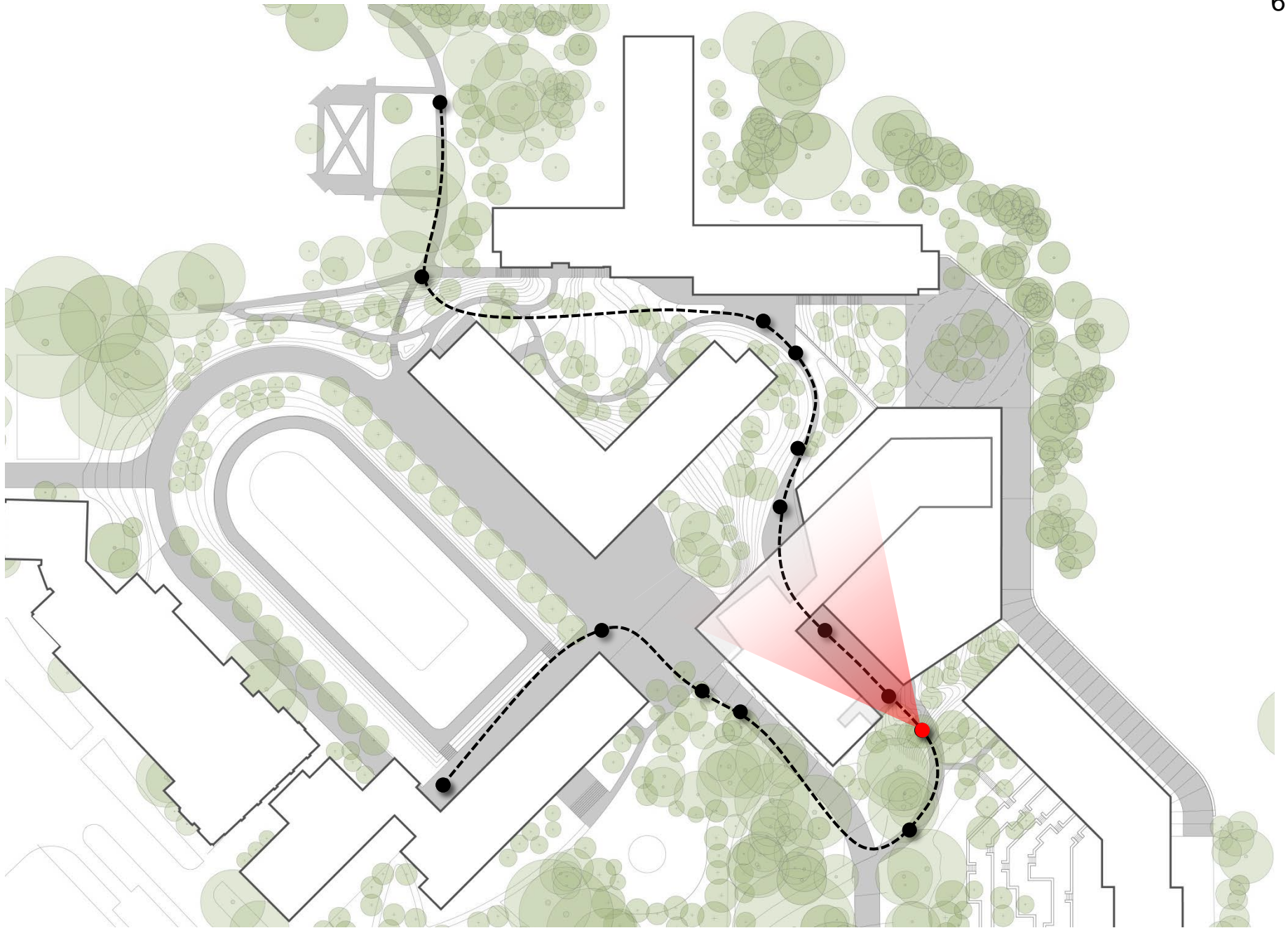
PERSPECTIVE STUDIES VIEW TOWARD TOWN SQUARE FROM BUILDING D
UNIVERSITY OF WASHINGTON NORTH CAMPUS HOUSING



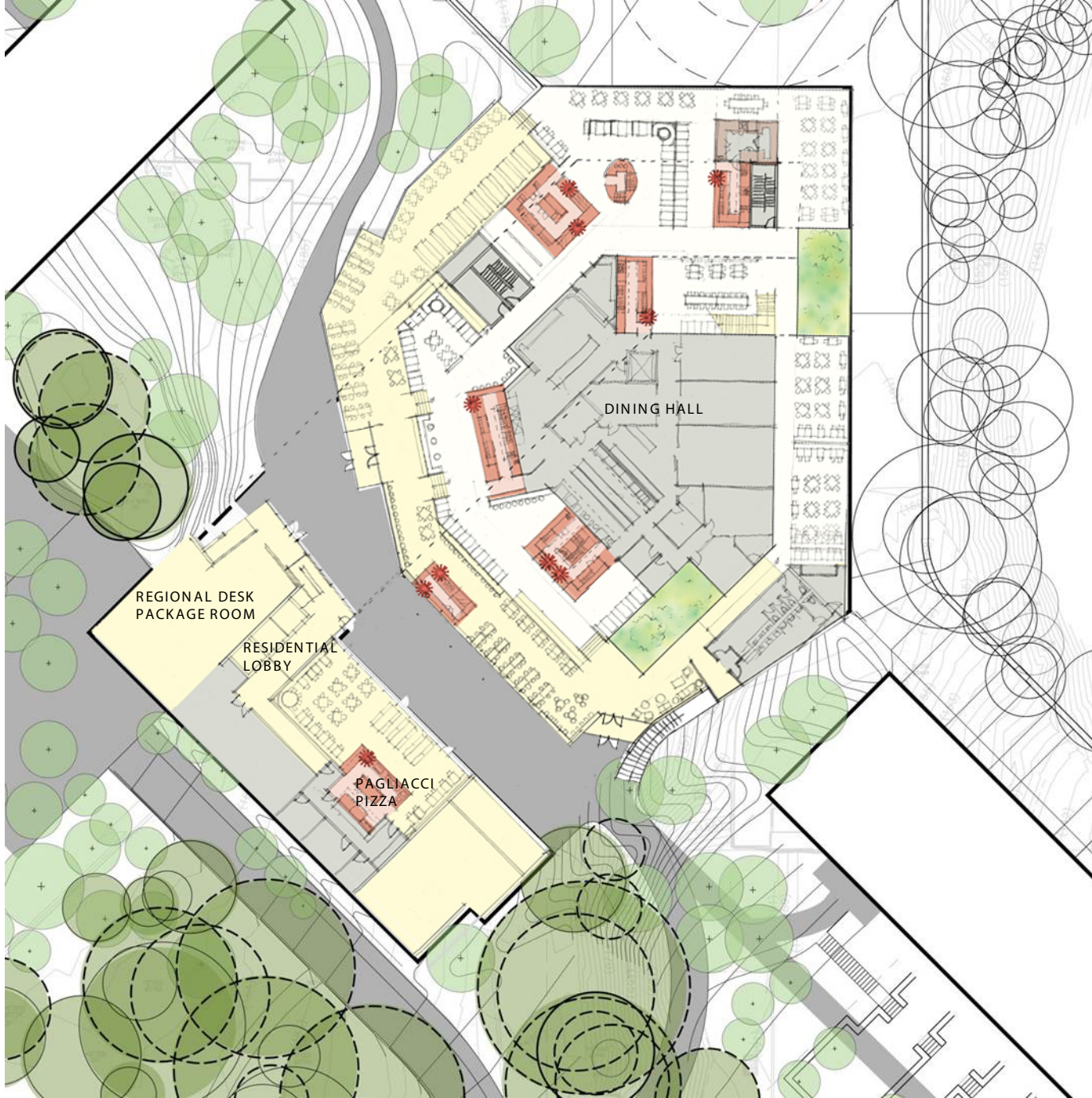


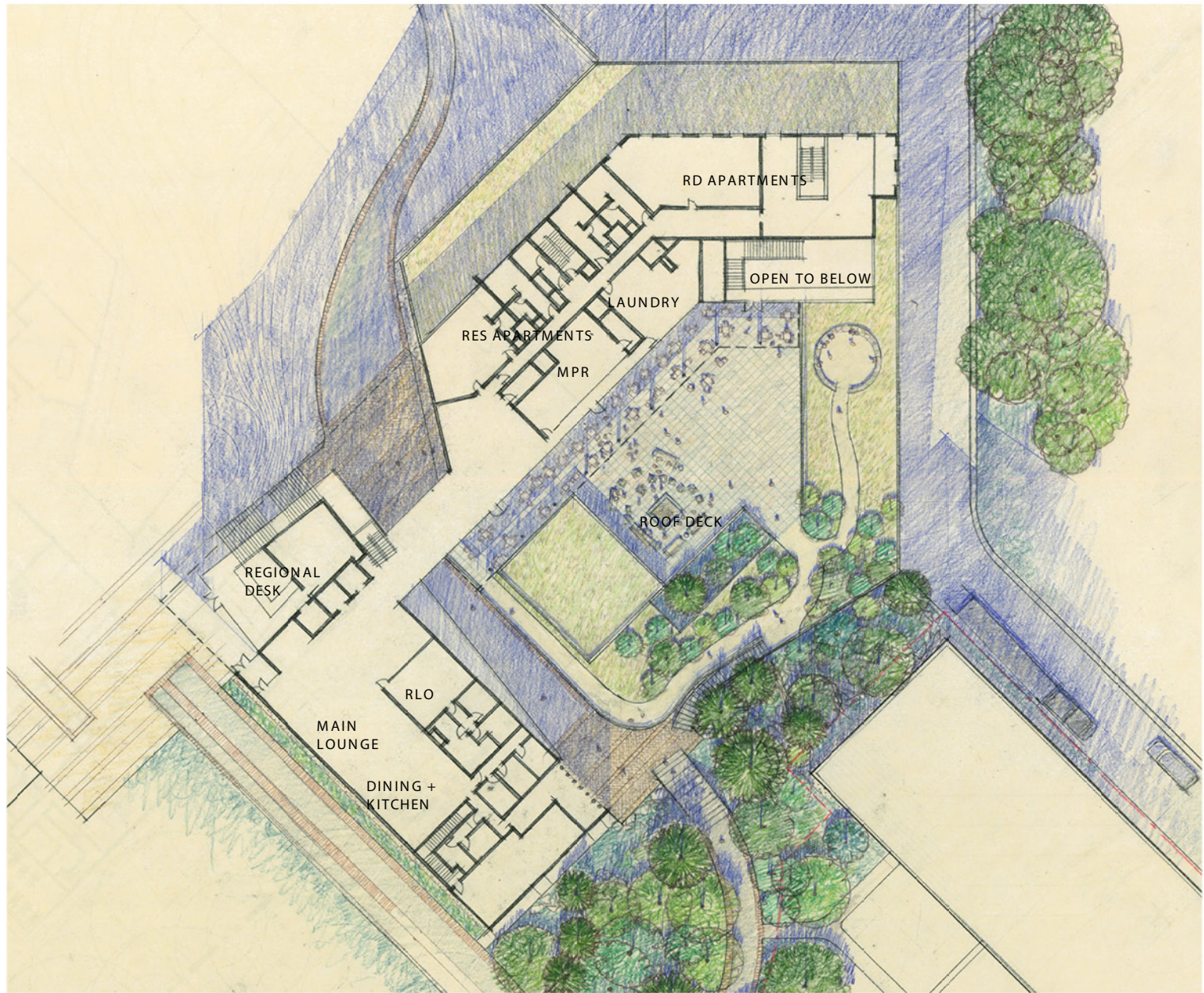
PERSPECTIVE STUDIES VIEW OF BUILDING D SOUTHEAST CORNER WITH ASCENT TO TOWN SQUARE
UNIVERSITY OF WASHINGTON NORTH CAMPUS HOUSING



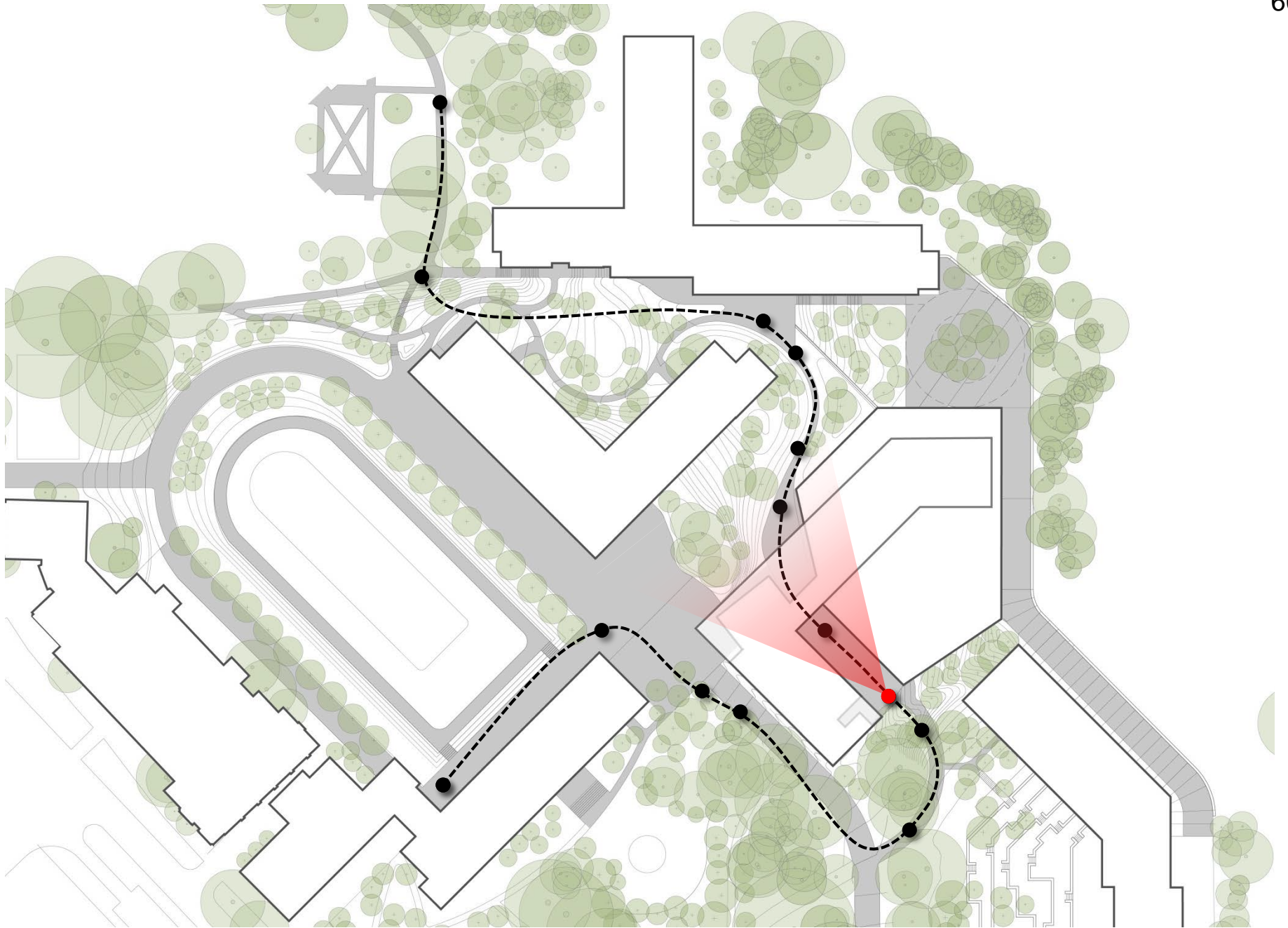






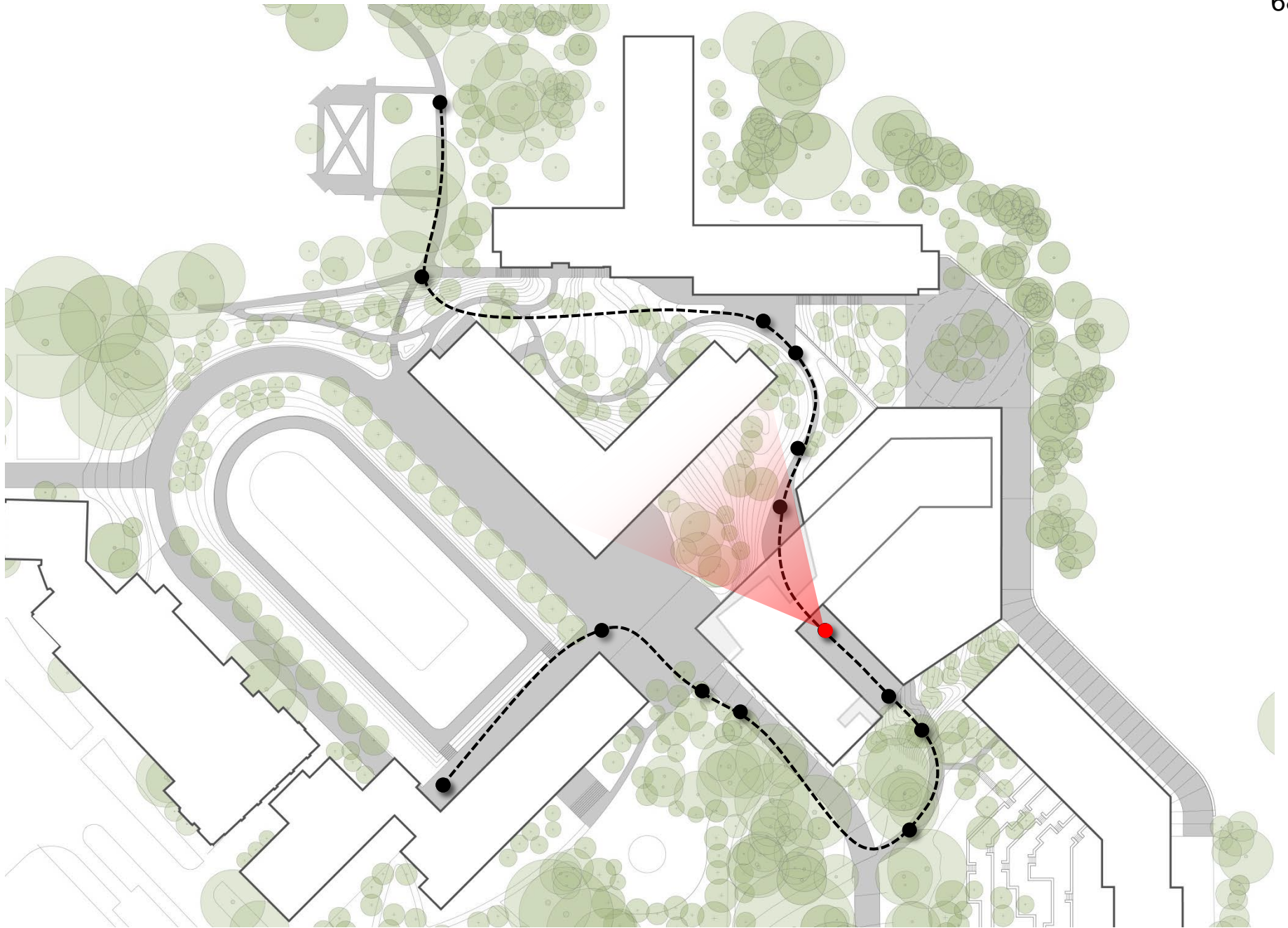




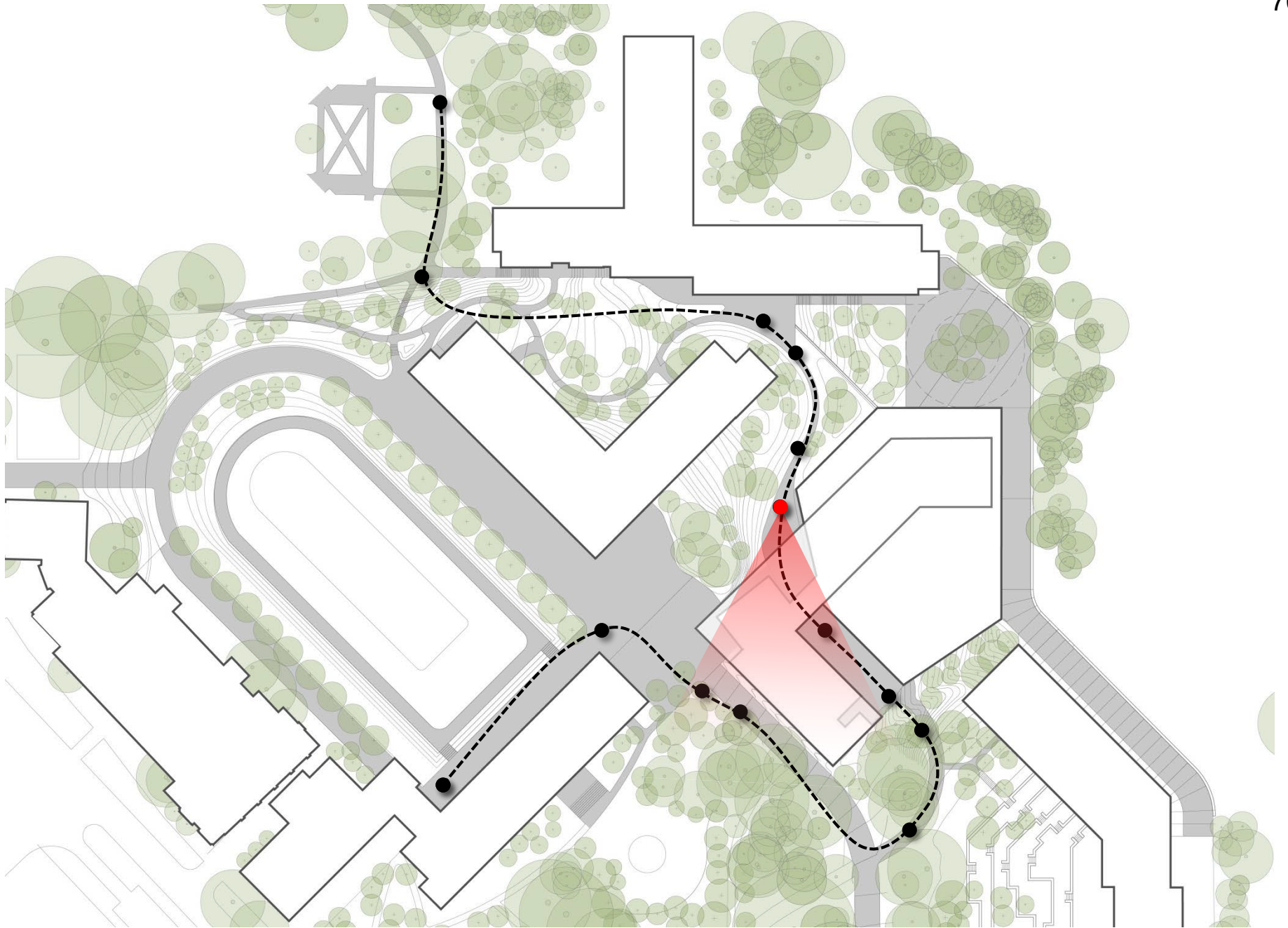


PERSPECTIVE STUDIES VIEW OF BUILDING D SOUTHEAST ENTRY
UNIVERSITY OF WASHINGTON NORTH CAMPUS HOUSING

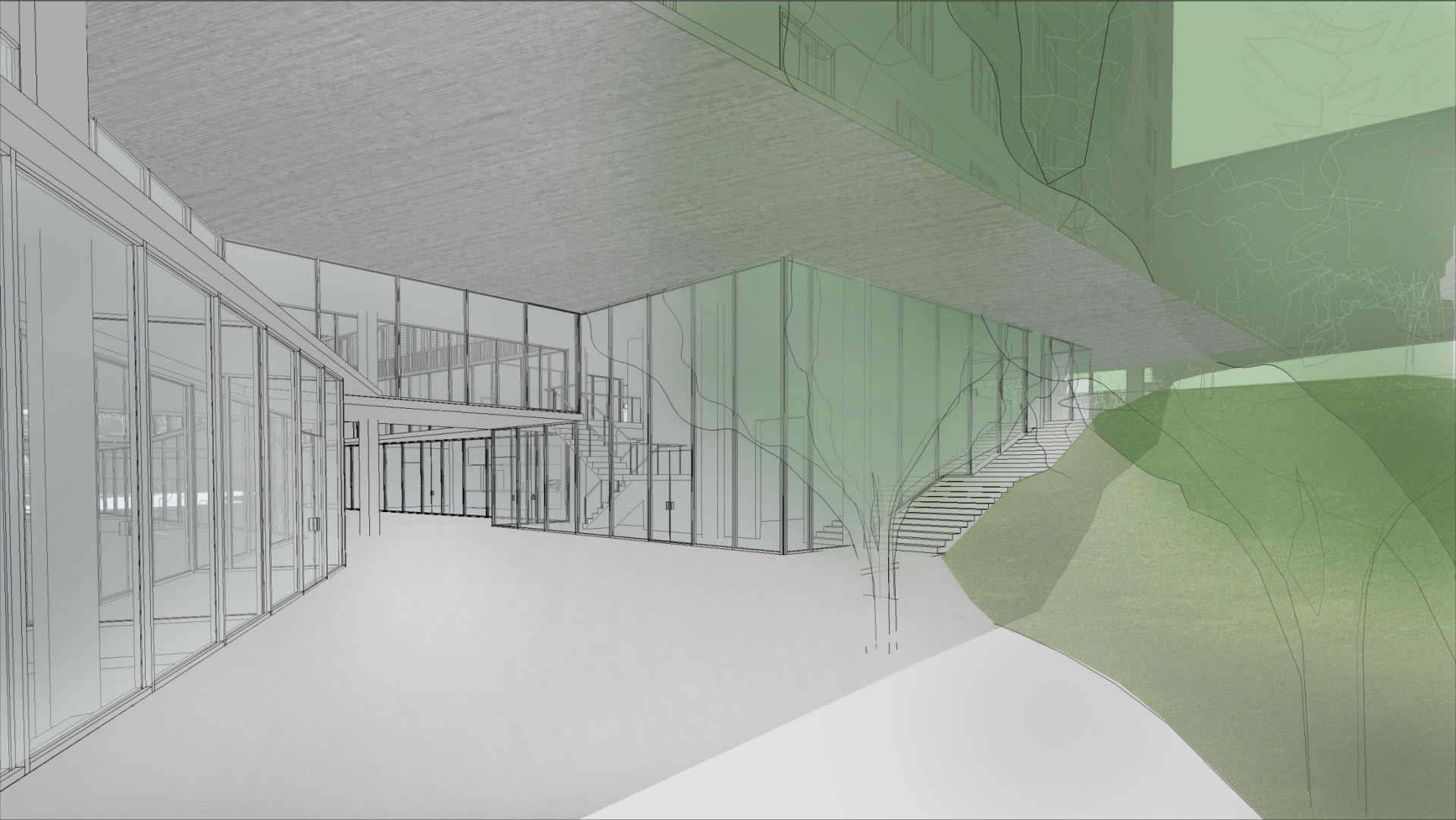


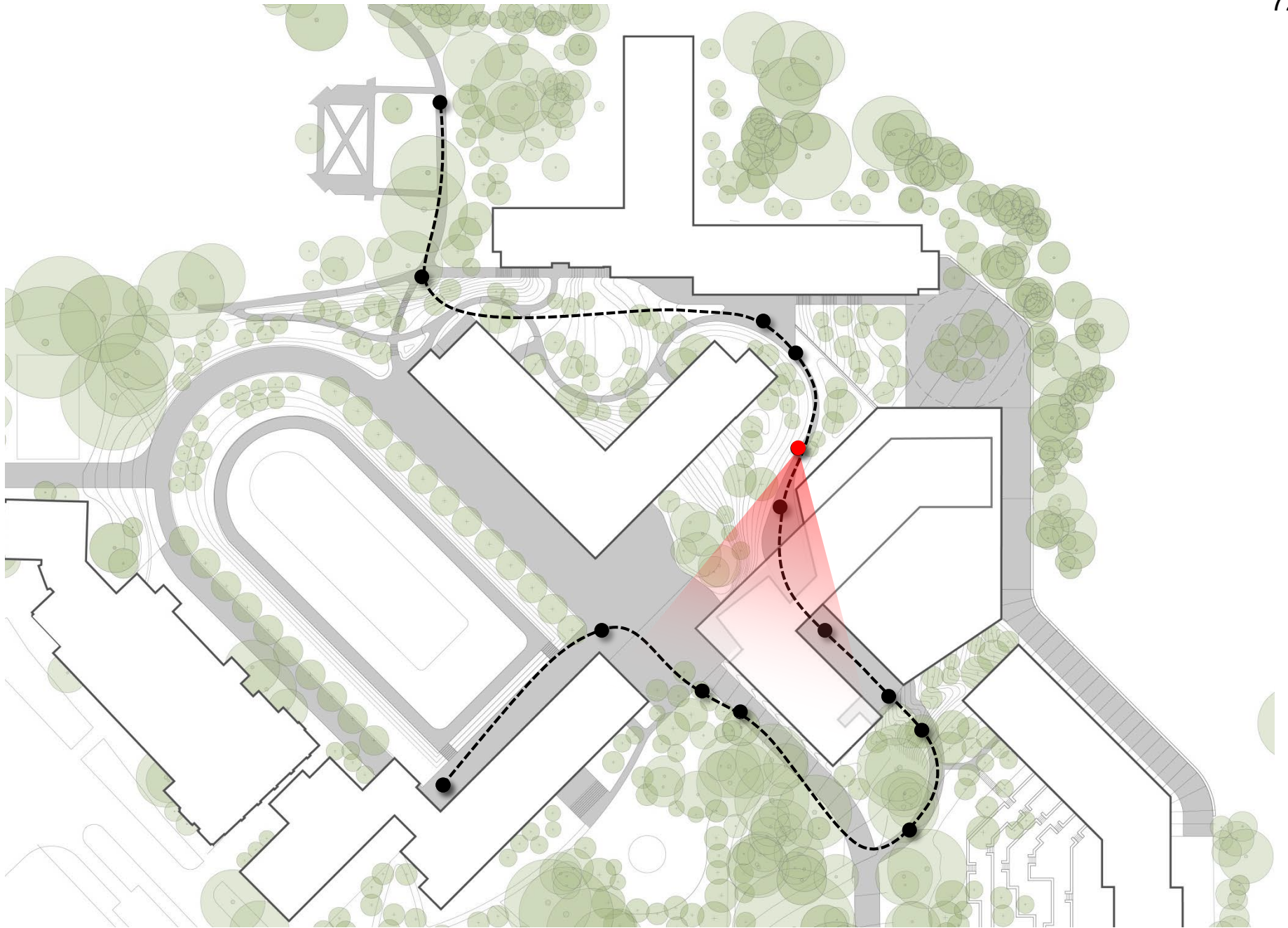




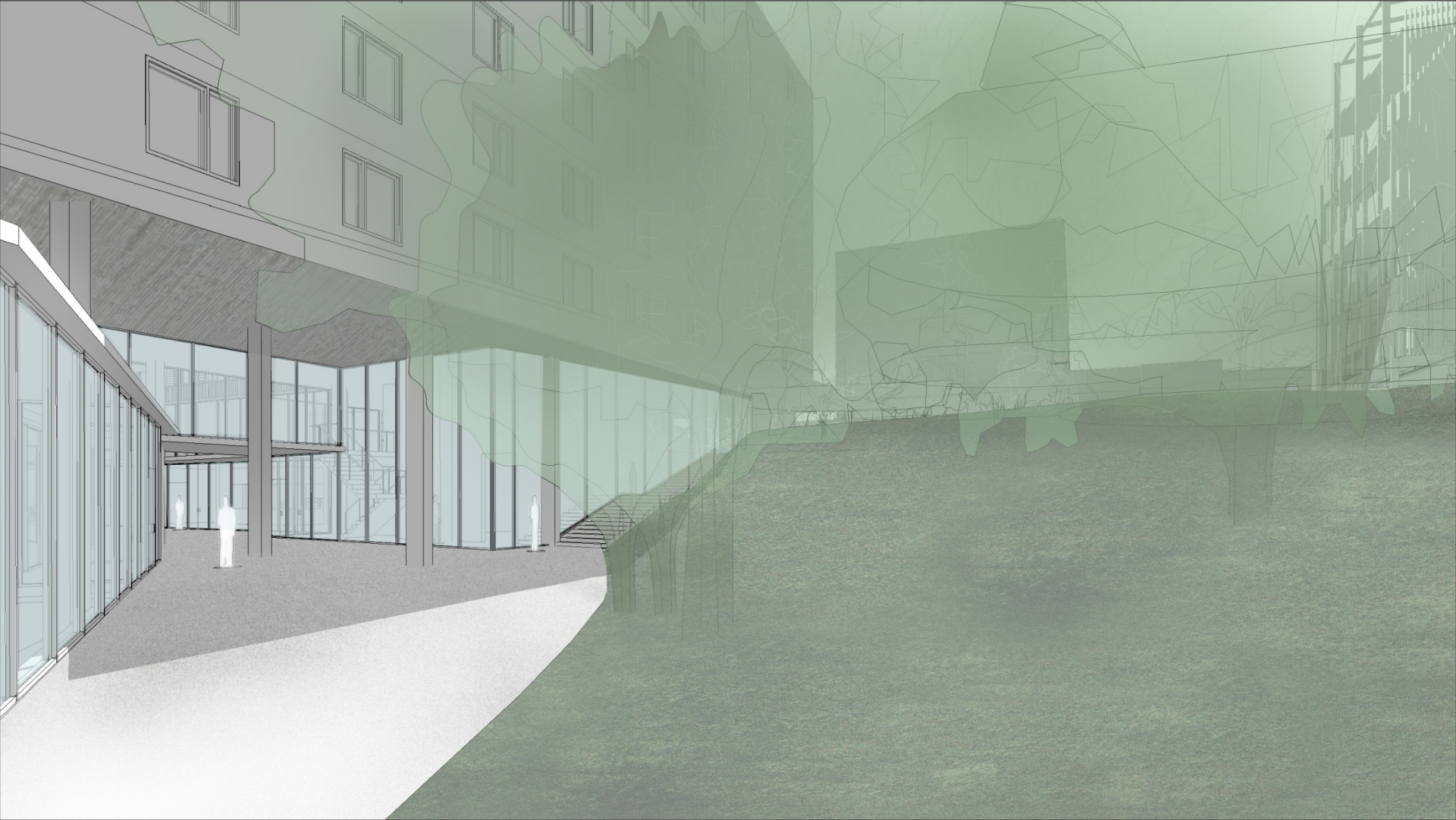


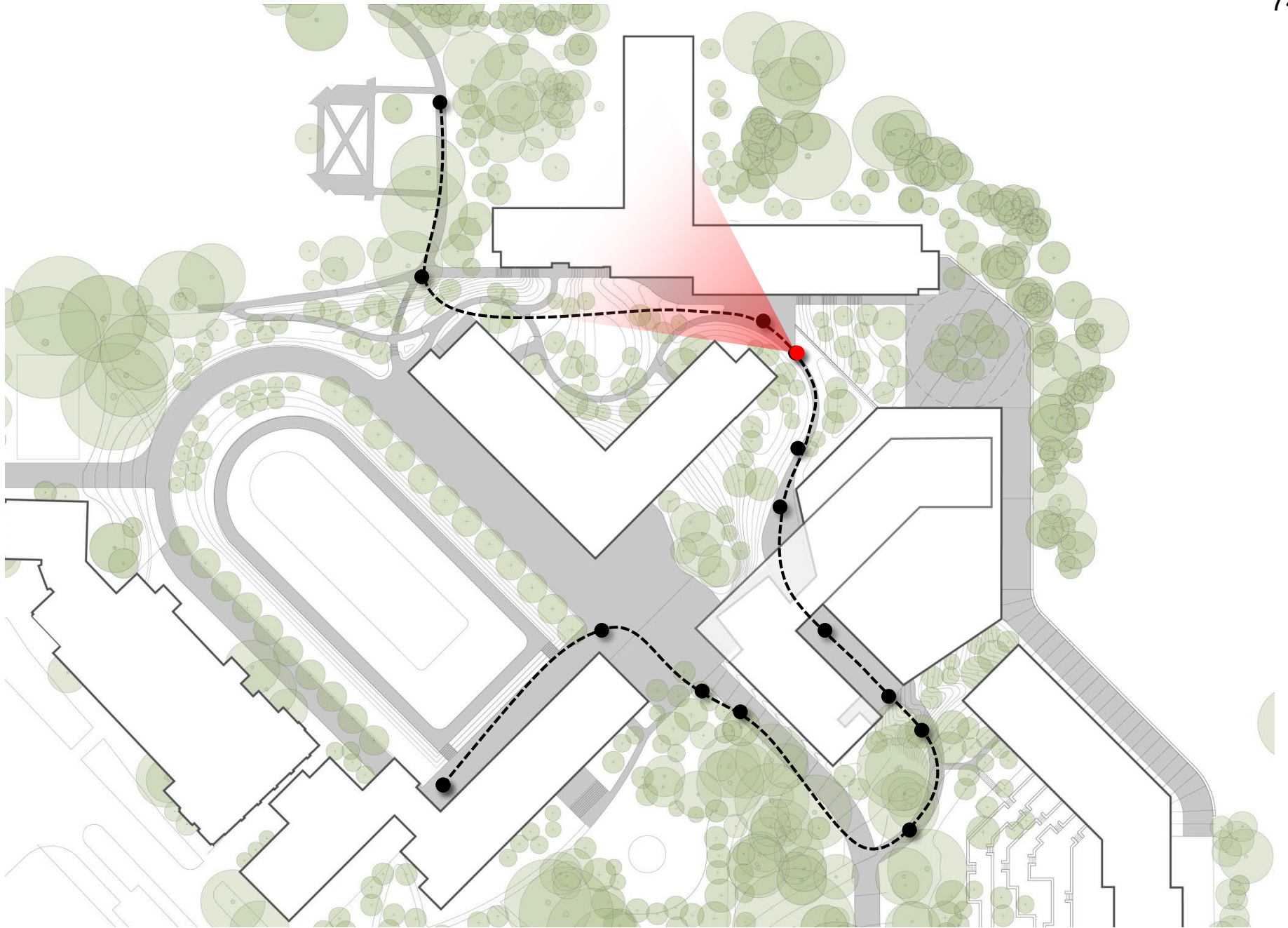
PERSPECTIVE STUDIES VIEW OF BUILDING D UNDERPASS FROM B/D COURTYARD
UNIVERSITY OF WASHINGTON NORTH CAMPUS HOUSING





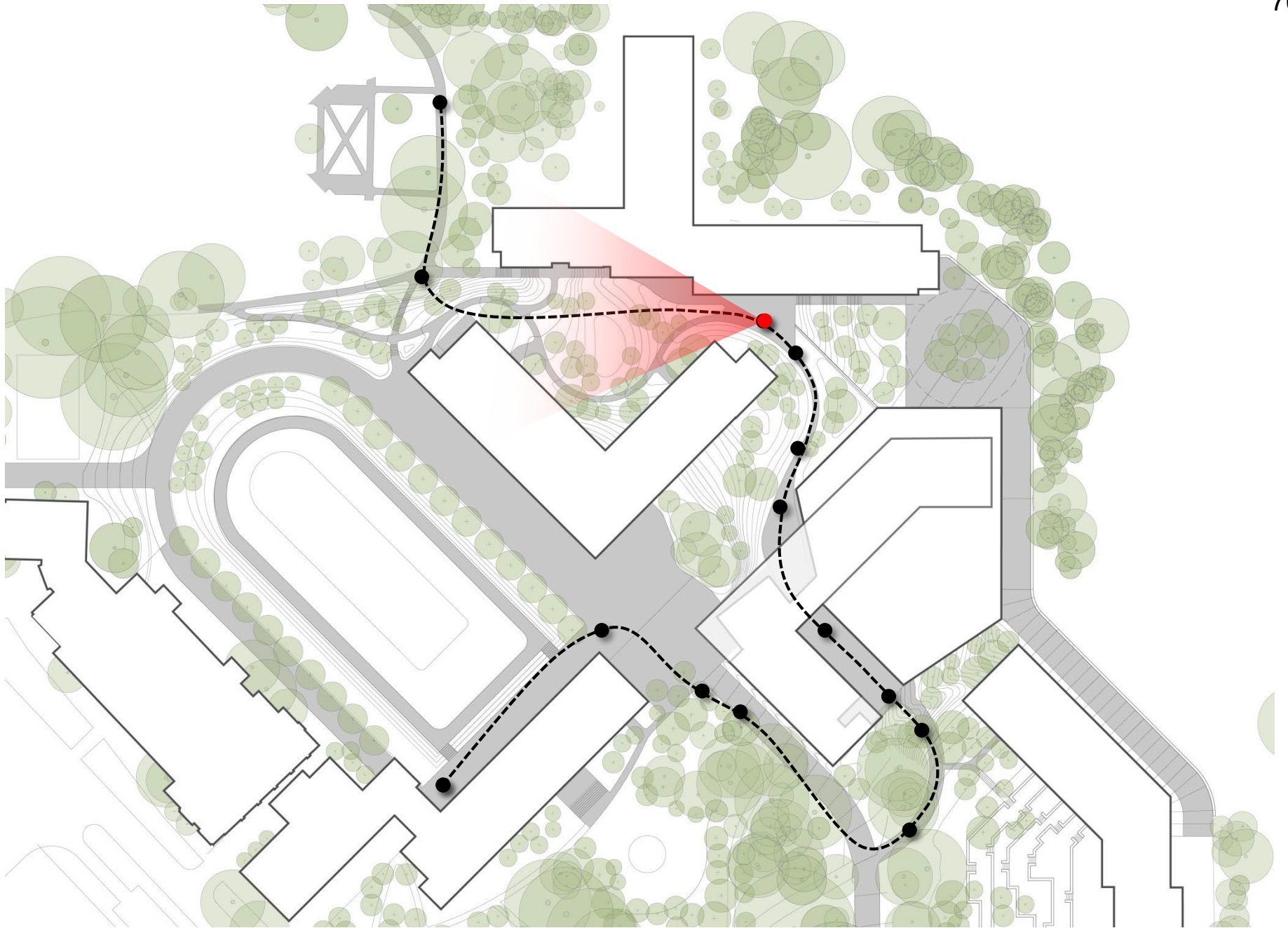
PERSPECTIVE STUDIES VIEW OF B/D COURTYARD WITH ASCENT TO TOWNSQUARE
UNIVERSITY OF WASHINGTON NORTH CAMPUS HOUSING



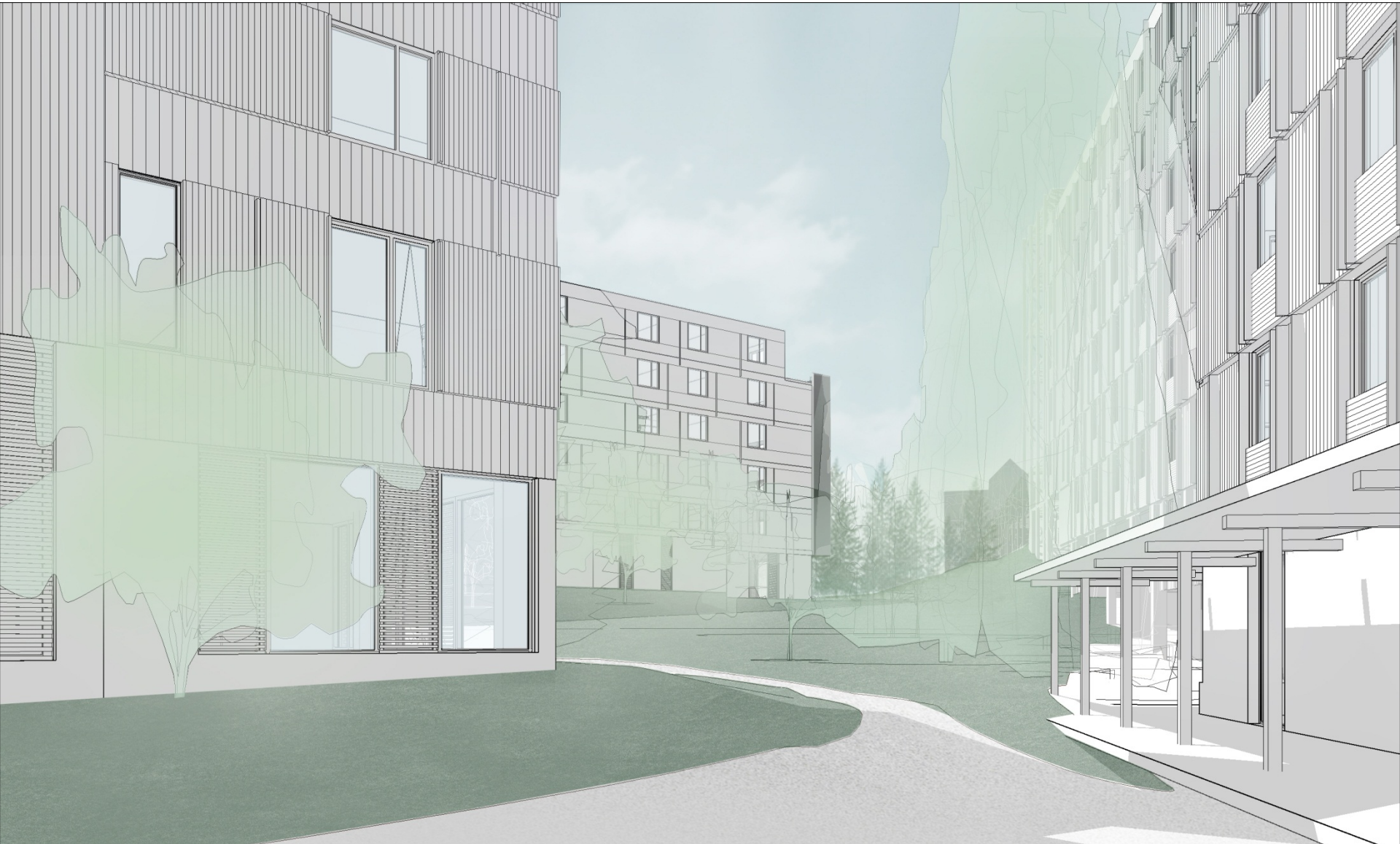


PERSPECTIVE STUDIES VIEW OF ENTRY TO B/C COURTYARD FROM EAST
UNIVERSITY OF WASHINGTON NORTH CAMPUS HOUSING



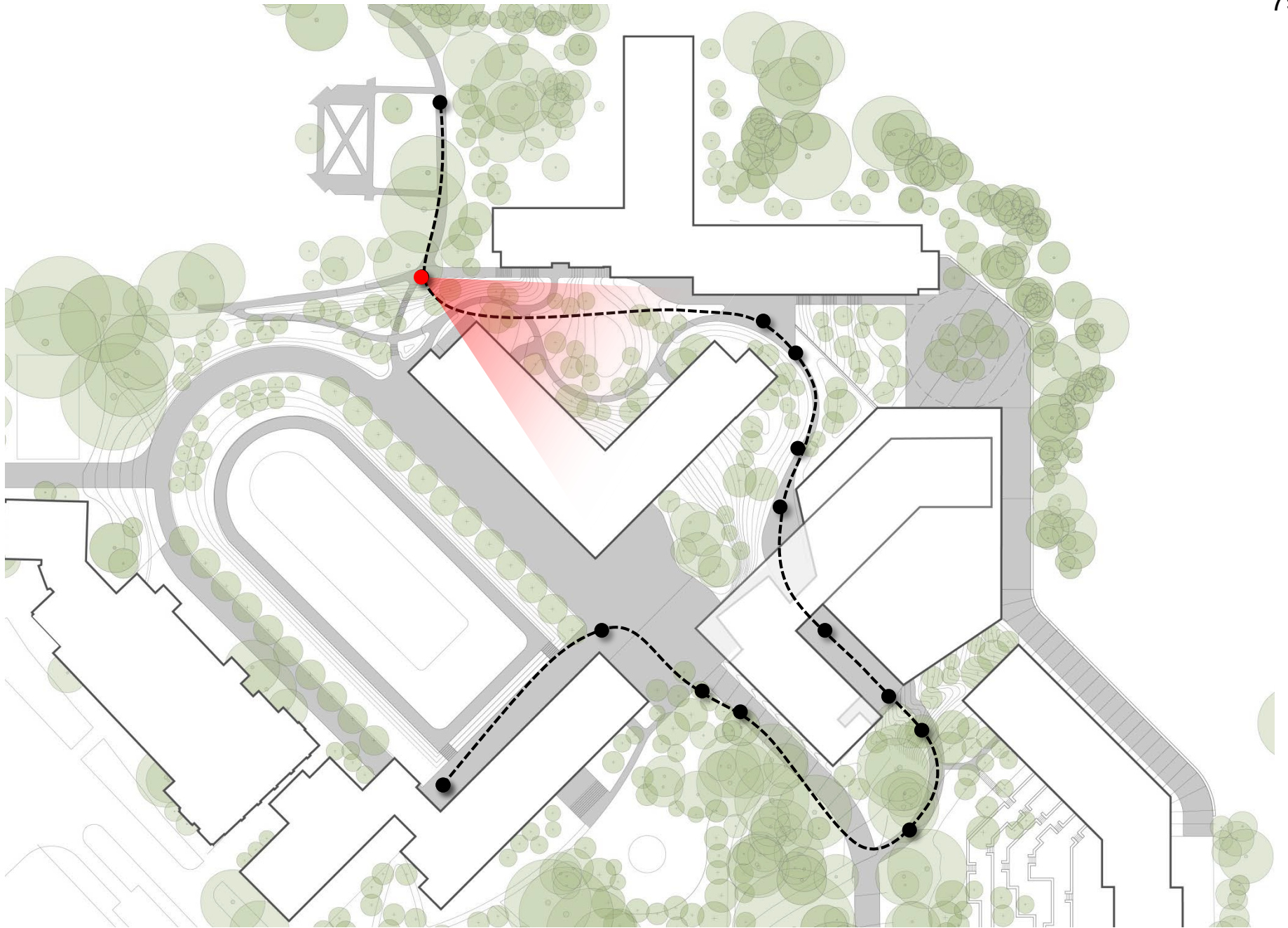


PERSPECTIVE STUDIES VIEW OF B/C COURTYARD NEAR FITNESS CENTER ENTRY
UNIVERSITY OF WASHINGTON NORTH CAMPUS HOUSING



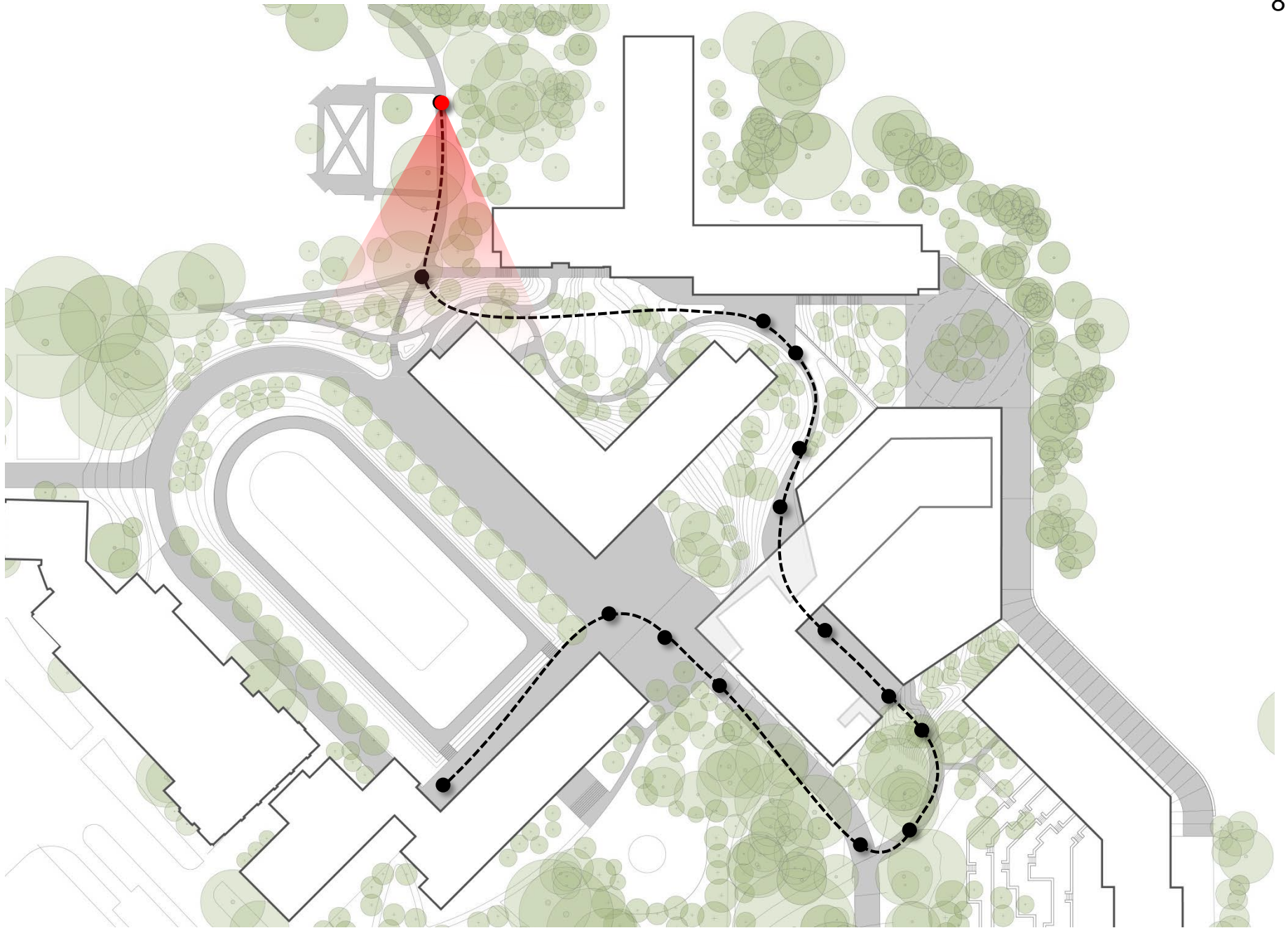


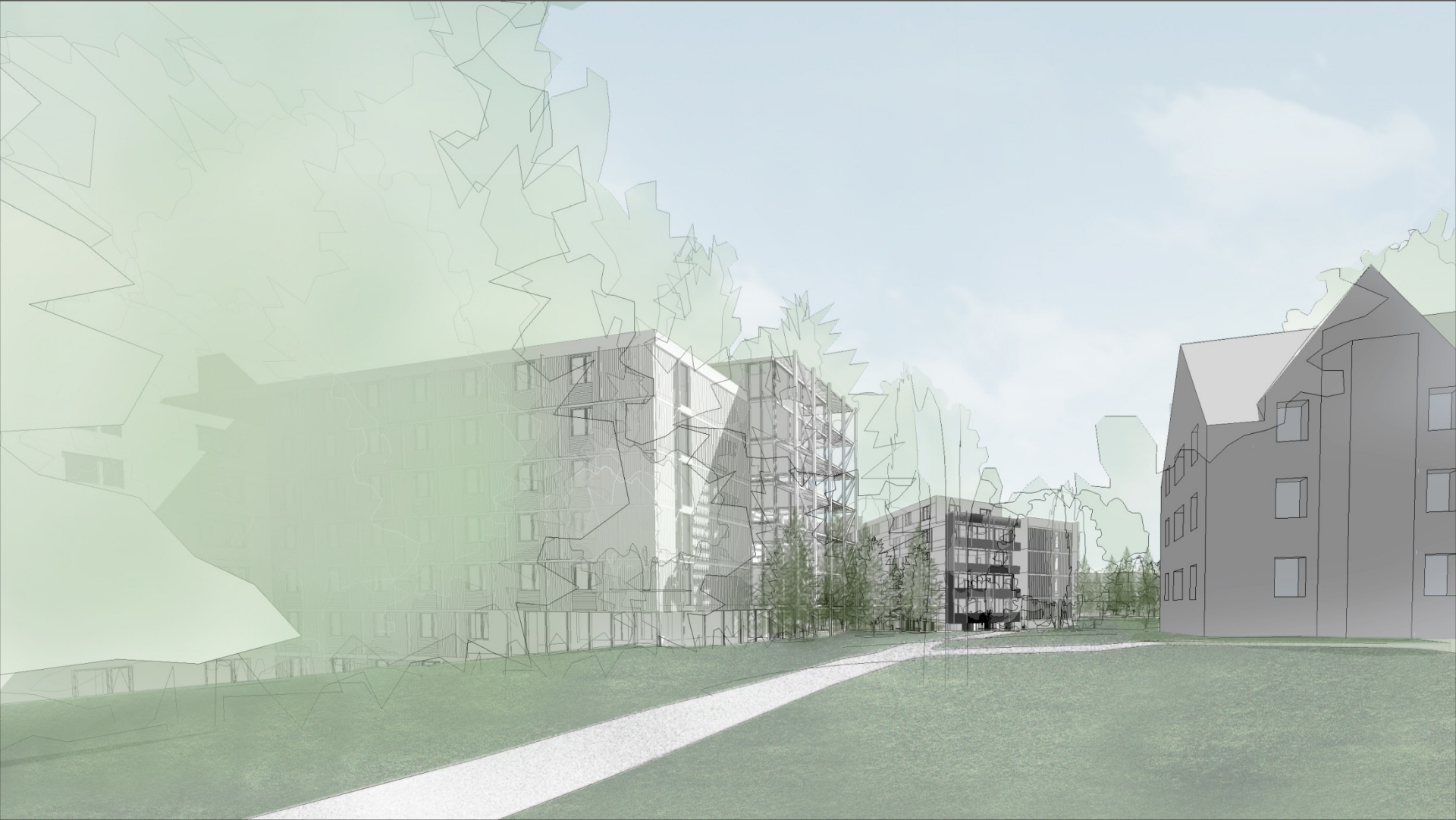
BUILDING C RESIDENTIAL ENTRY LEVEL FLOOR PLAN
UNIVERSITY OF WASHINGTON NORTH CAMPUS HOUSING



PERSPECTIVE STUDIES VIEW OF BUILDING C AND B FROM SOUTH OF HANSEE
UNIVERSITY OF WASHINGTON NORTH CAMPUS HOUSING





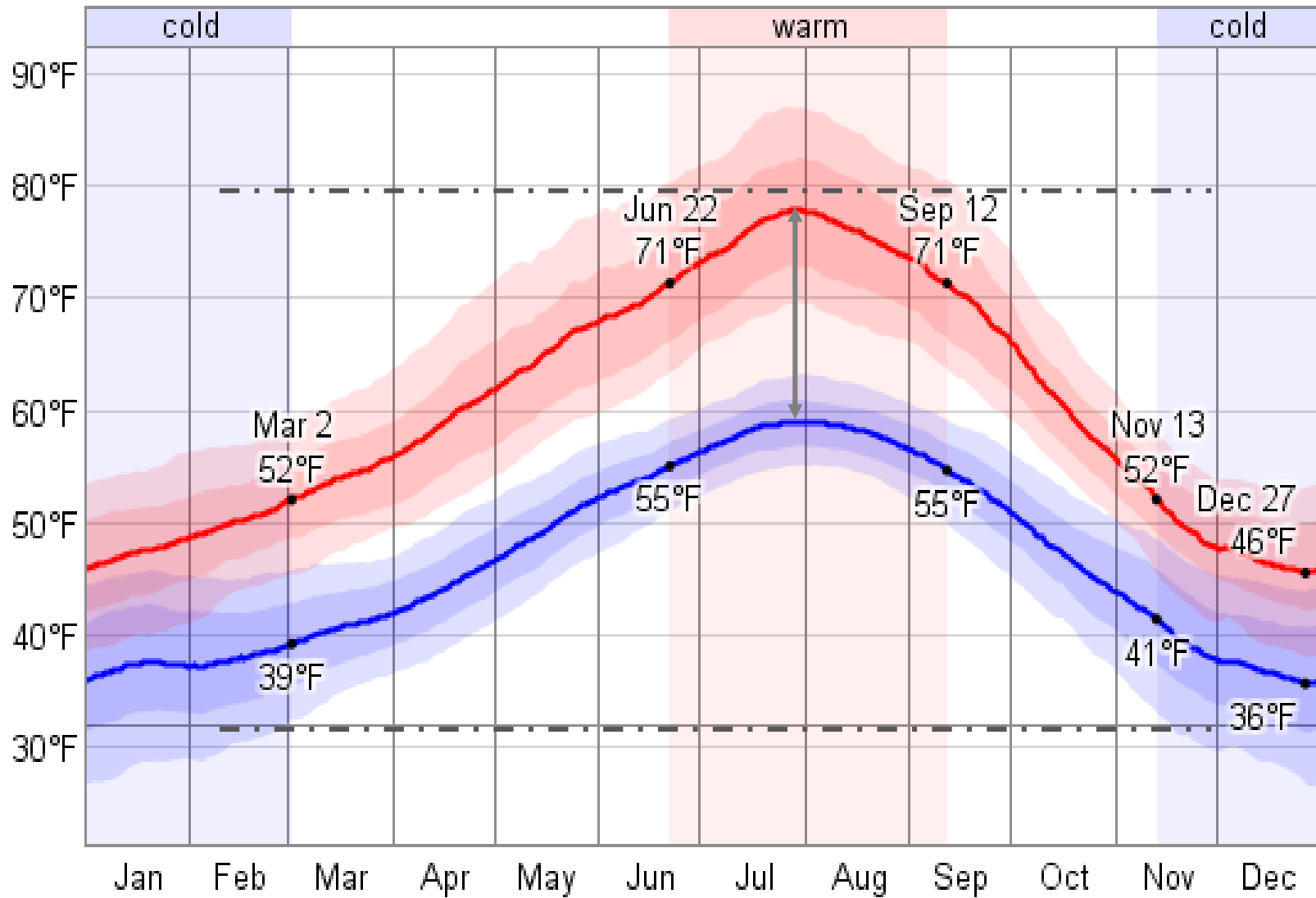


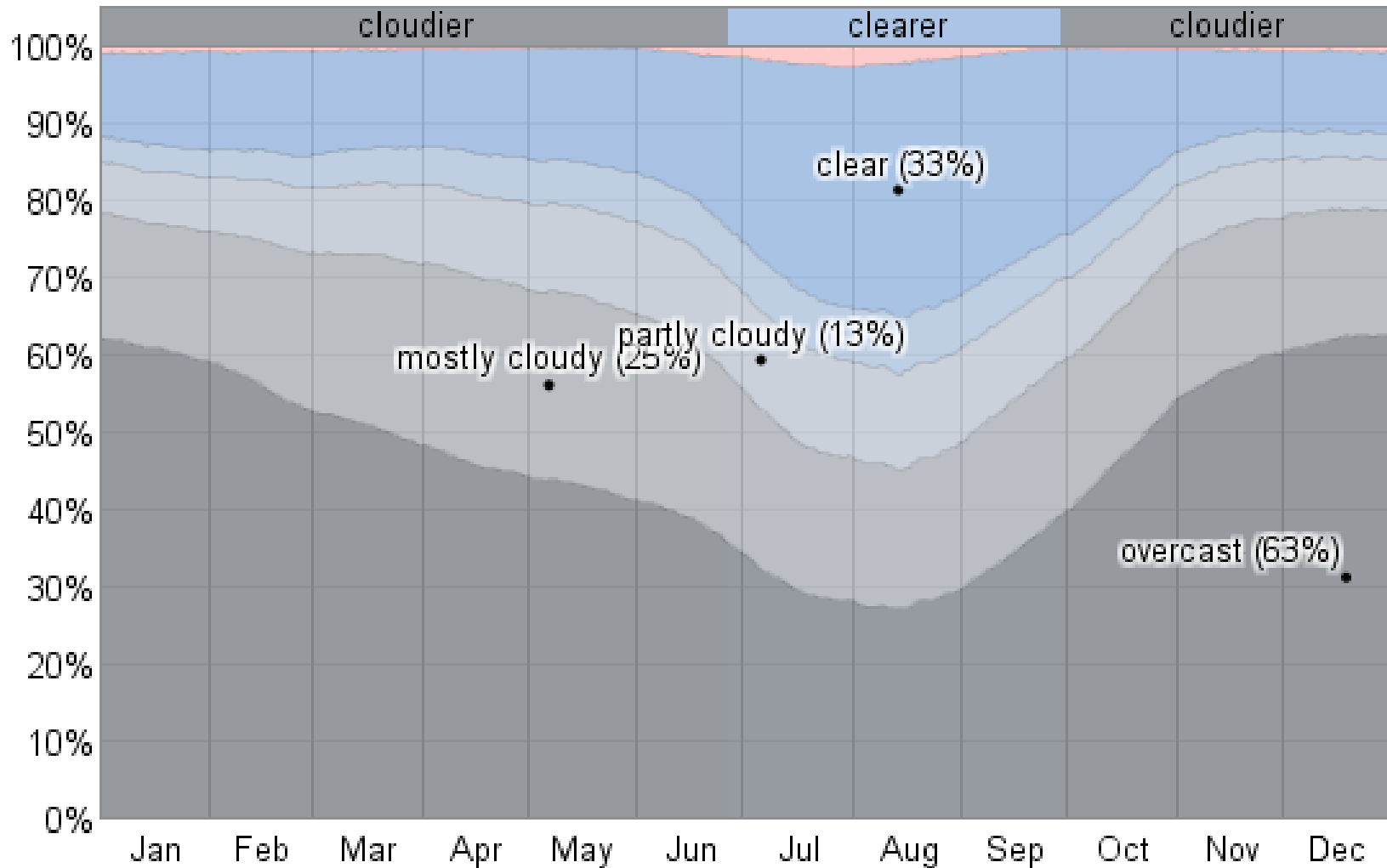


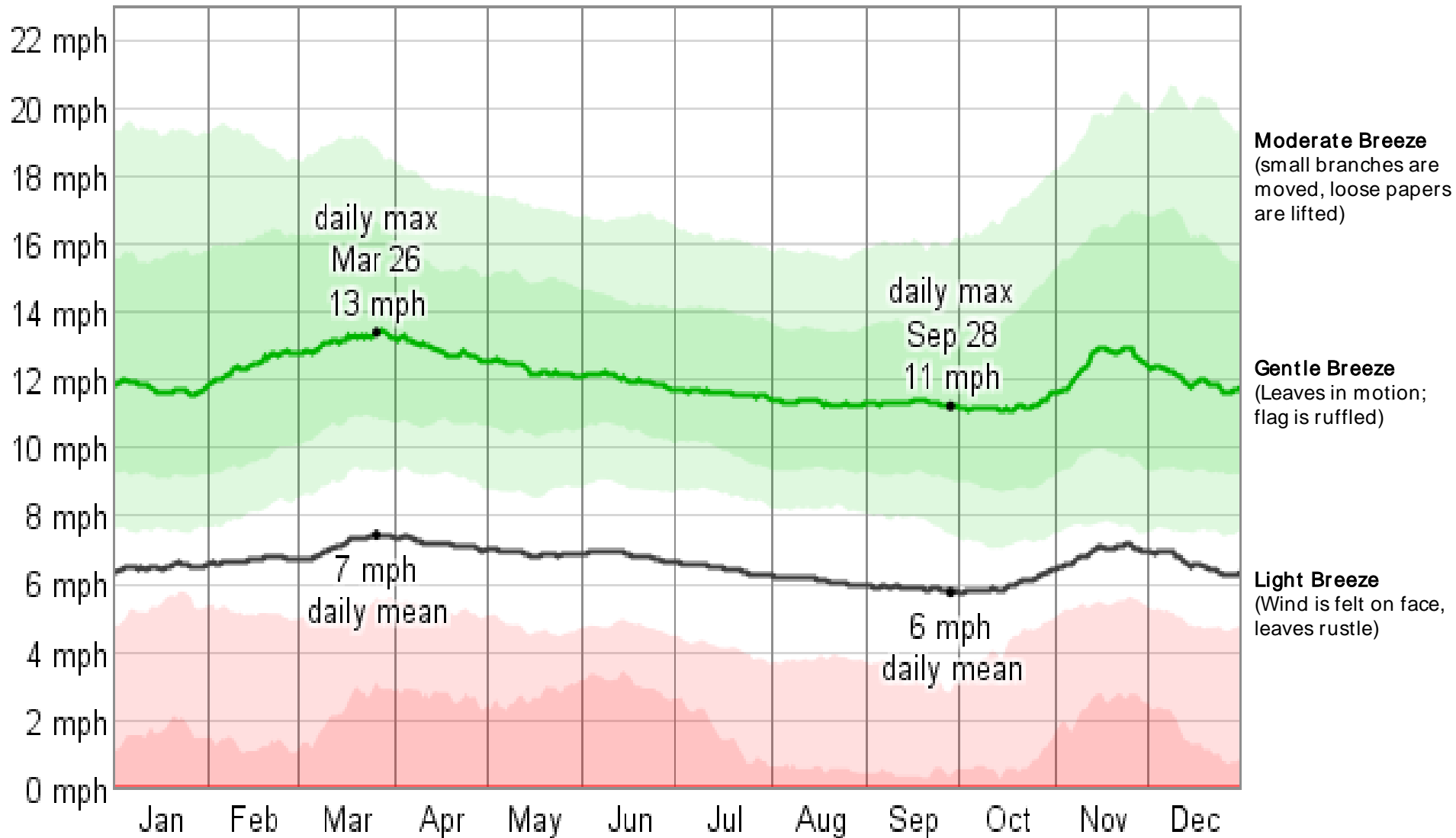
ARCHITECTURE + LANDSCAPE

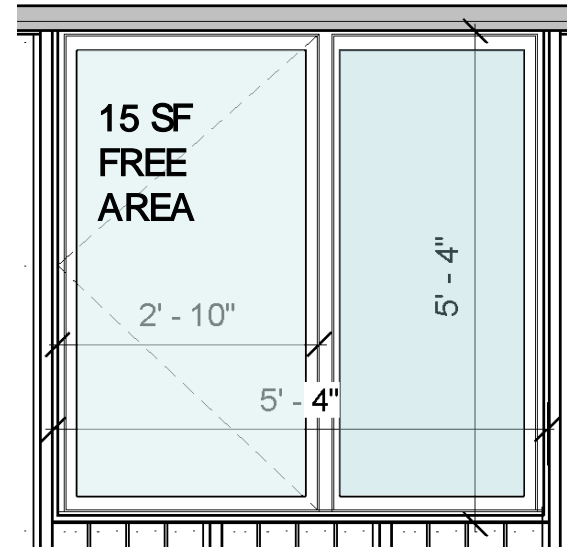
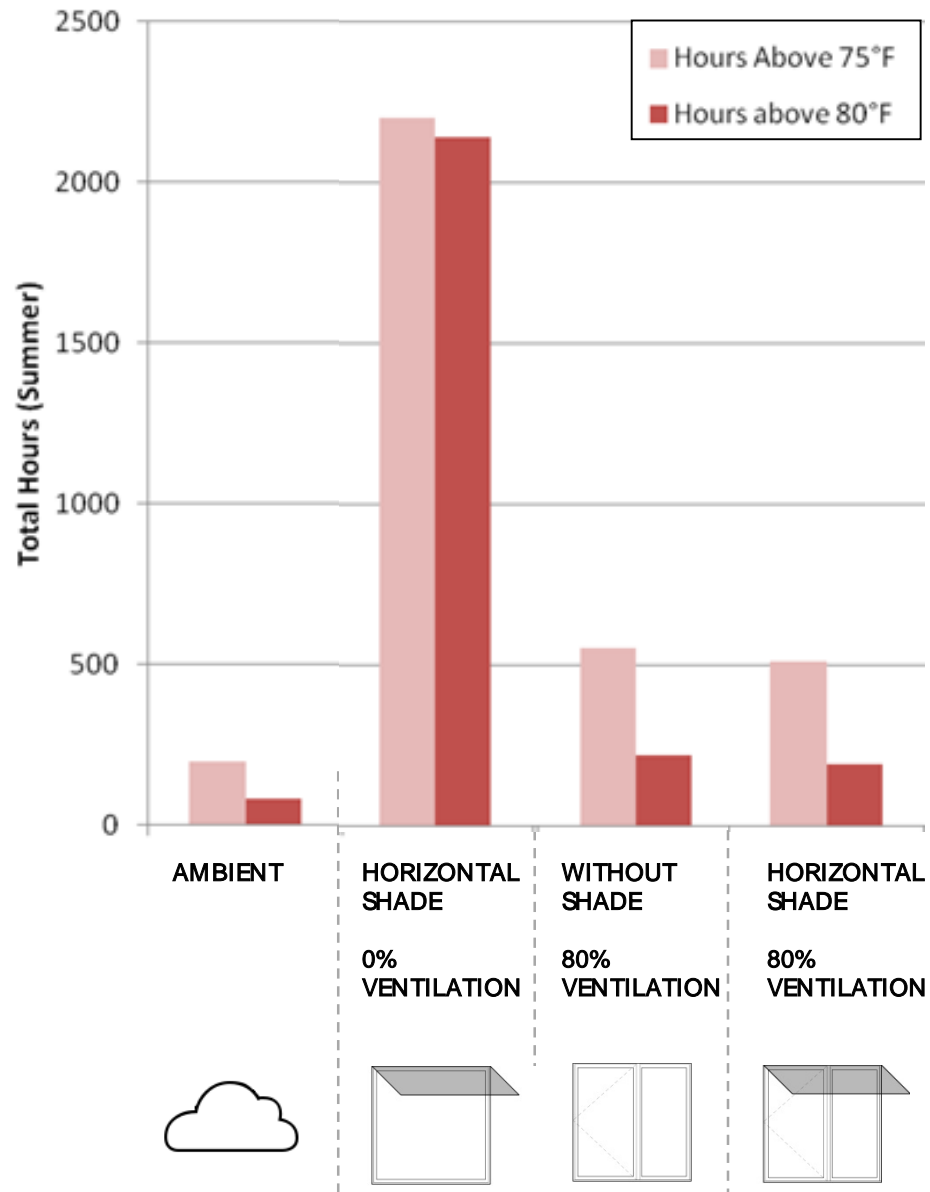
ENVIRONMENTAL ANALYSIS AND MATERIALS









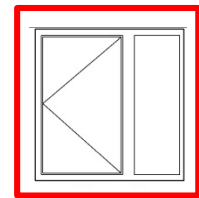
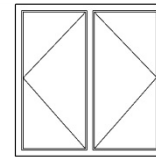
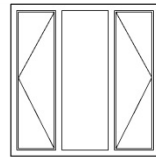
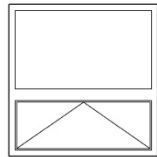
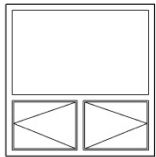
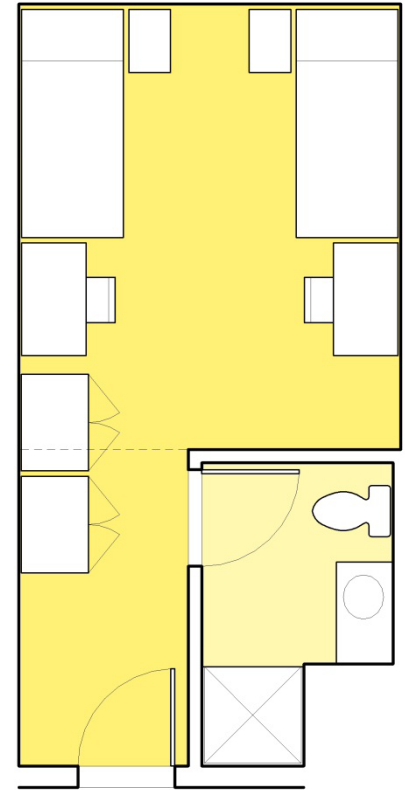


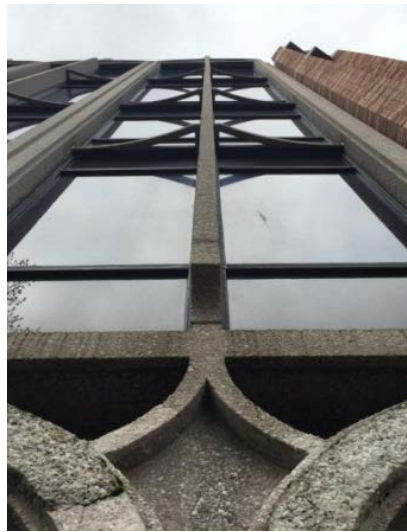
PROPOSED NORTH CAMPUS WINDOW TYPOLOGY

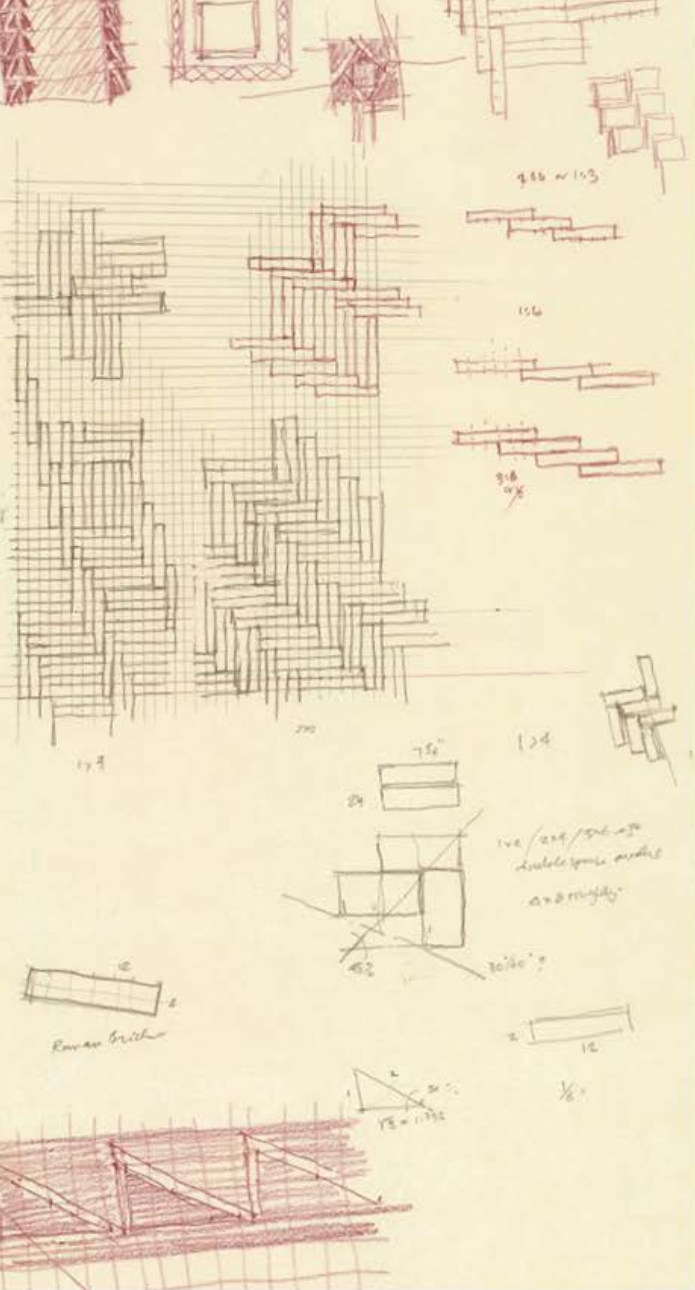
- Use largest casement size to available to maximize free area
- Use insect screens to encourage window use and decrease rain intrusion
- Educate residents on window optimization
- Omit metal clad "post" between window units for envelope efficiency

ADDITIONAL MEANS OF IMPROVEMENT

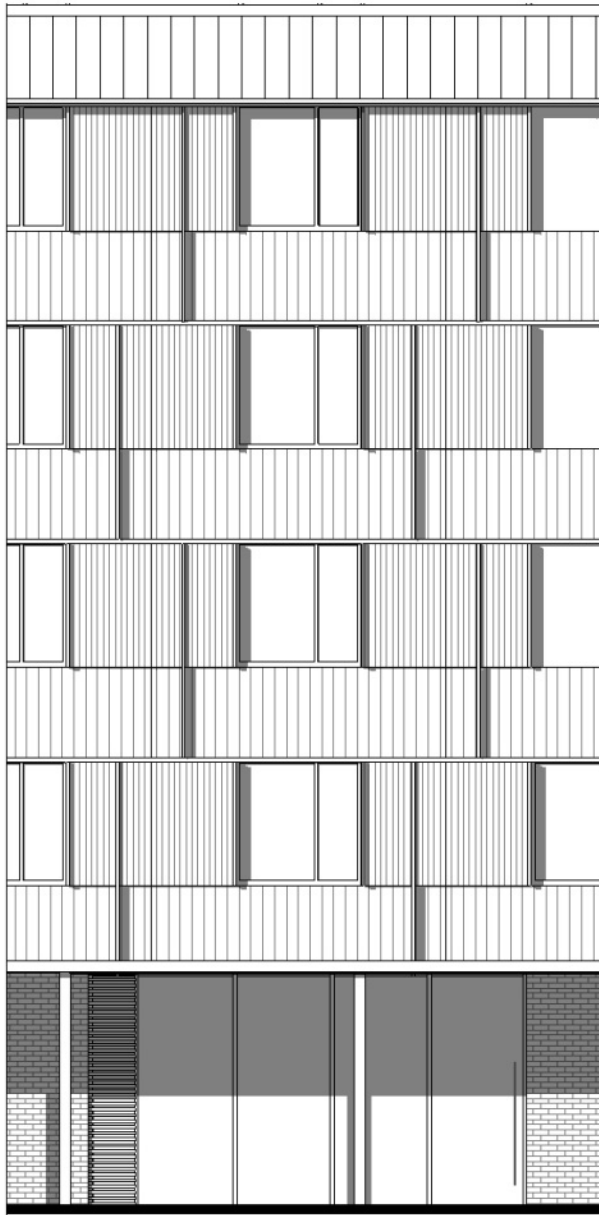
- Specify higher solar heat gain coefficient on south and southwest elevations
- Add more operable window(s) to higher occupancy rooms
- Add solar shading at rooms with expected higher thermal discomfort

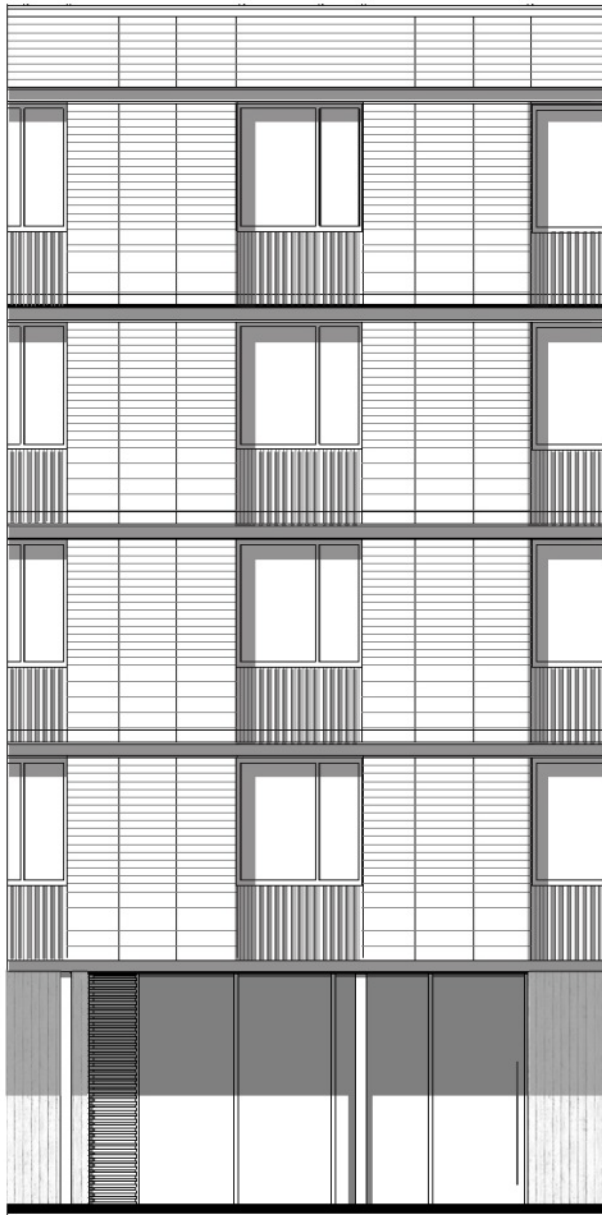


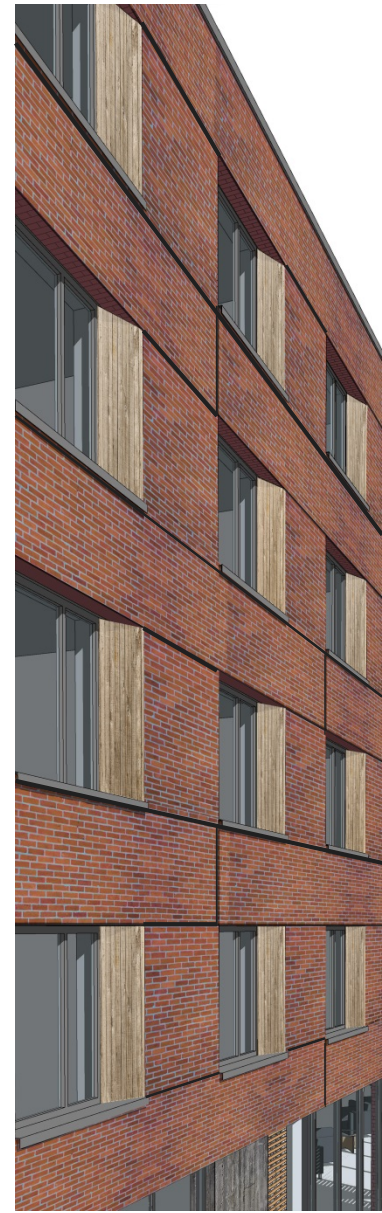
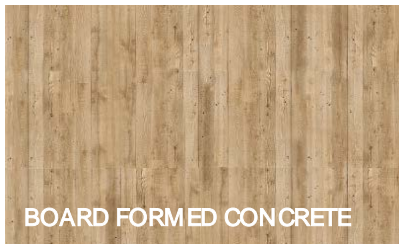
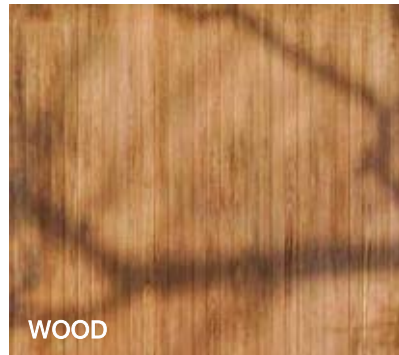
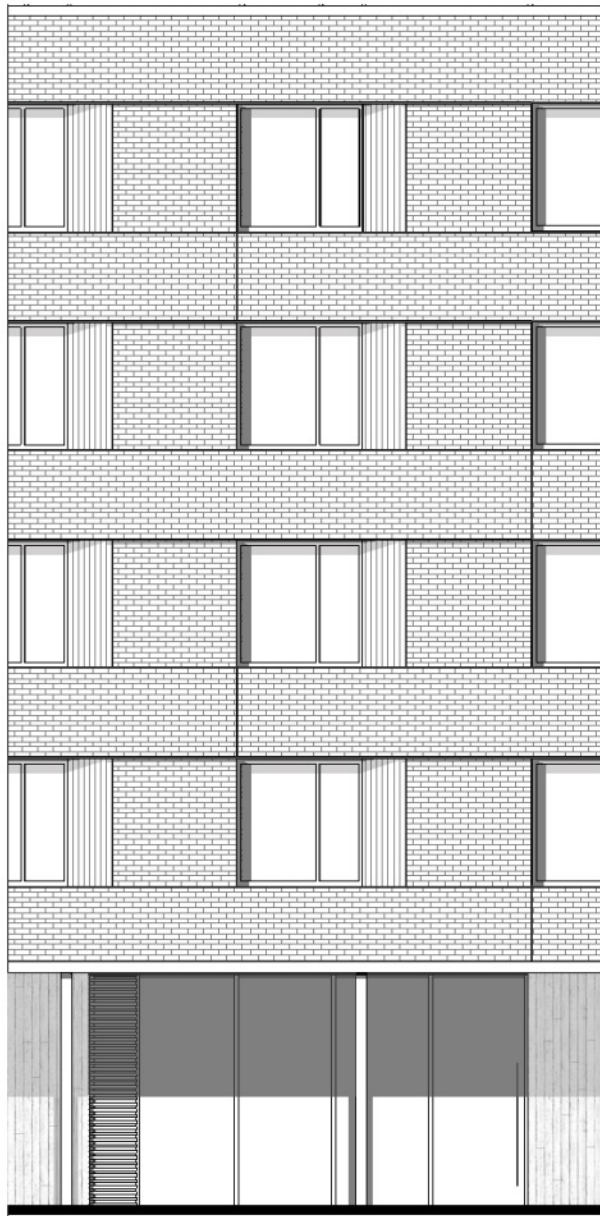


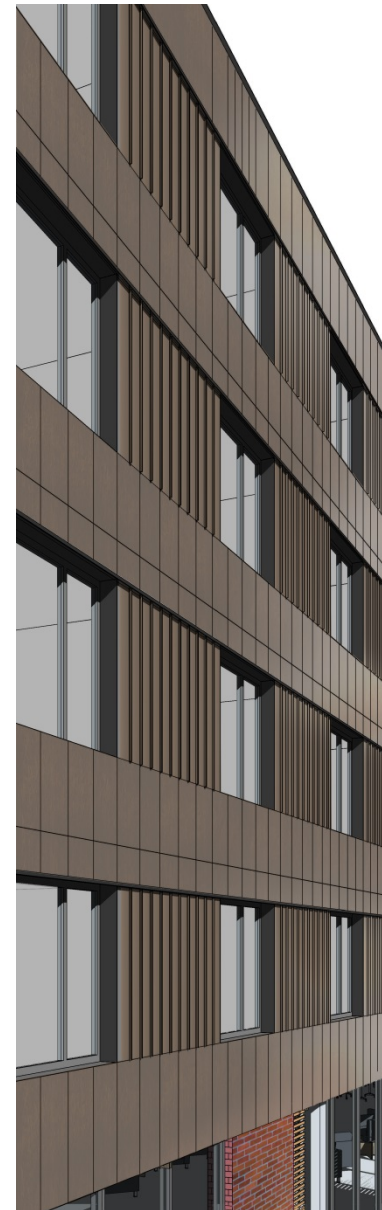
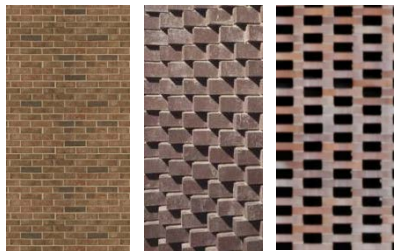
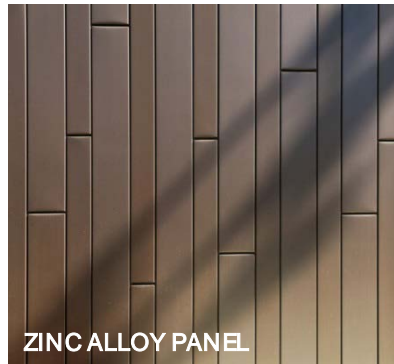
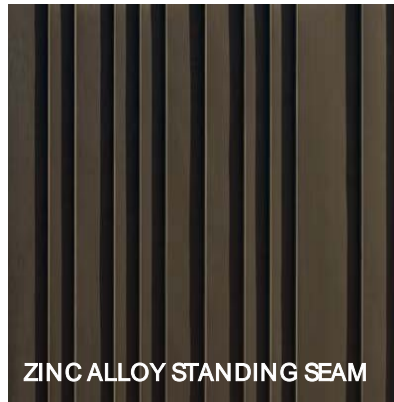
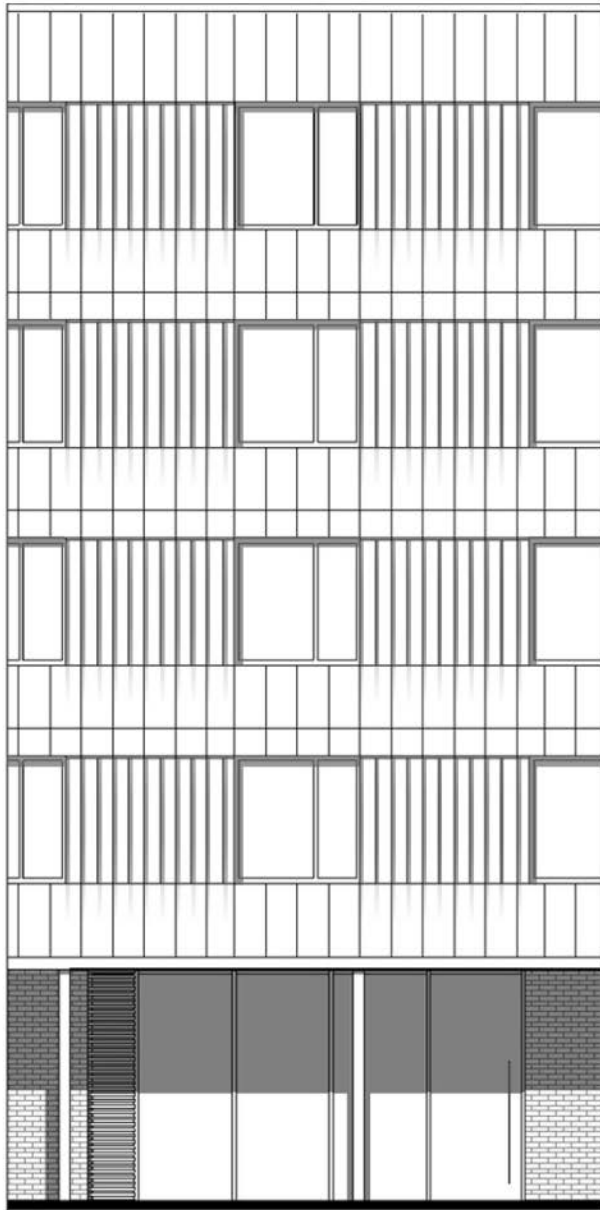


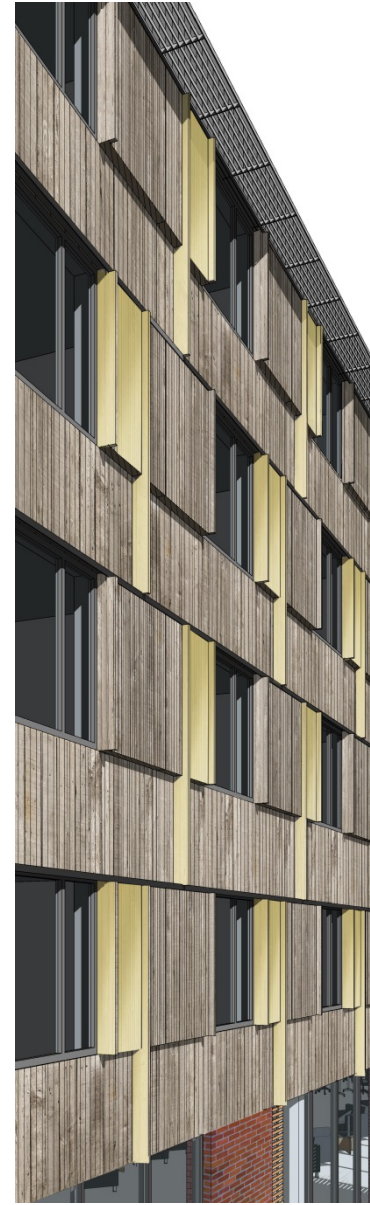
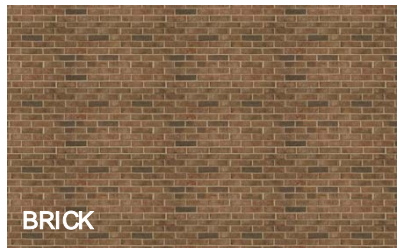
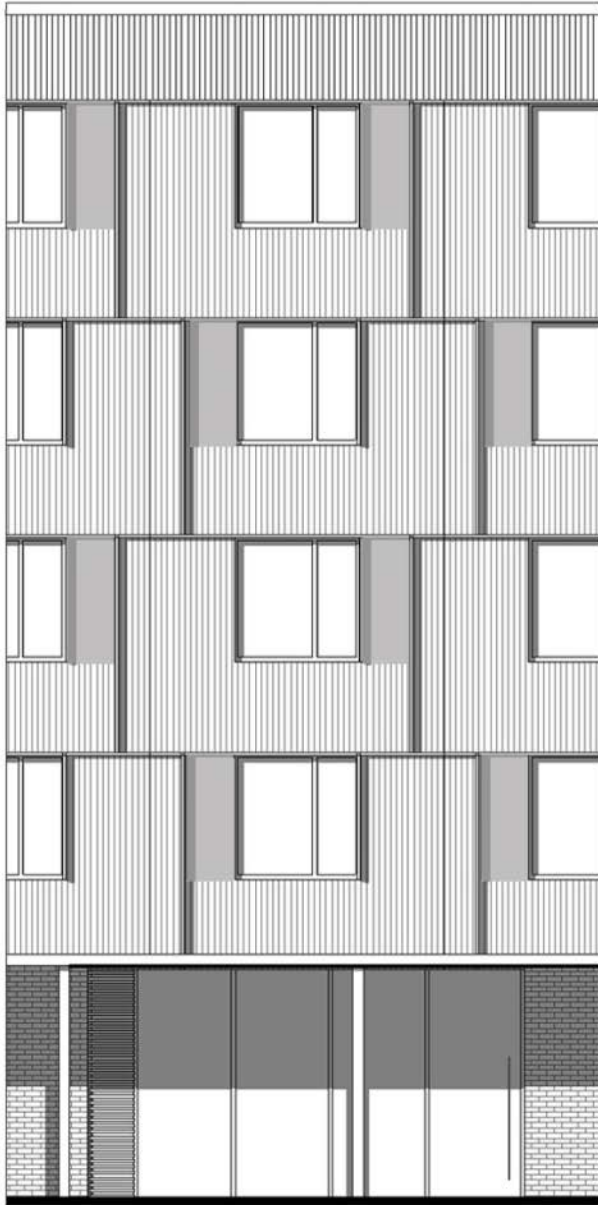
NEZ PIERCE c. 1870









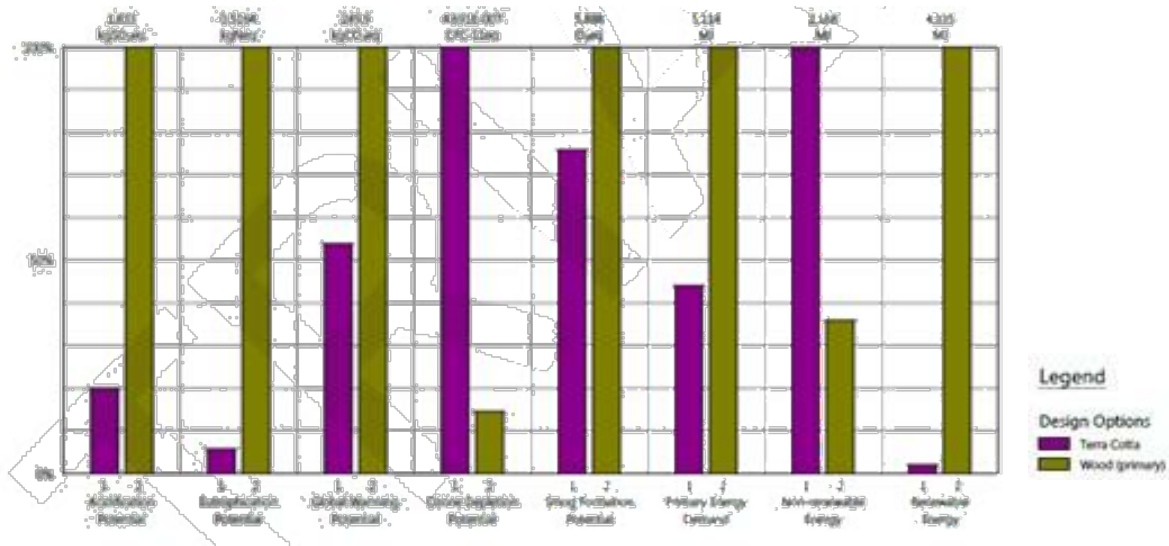




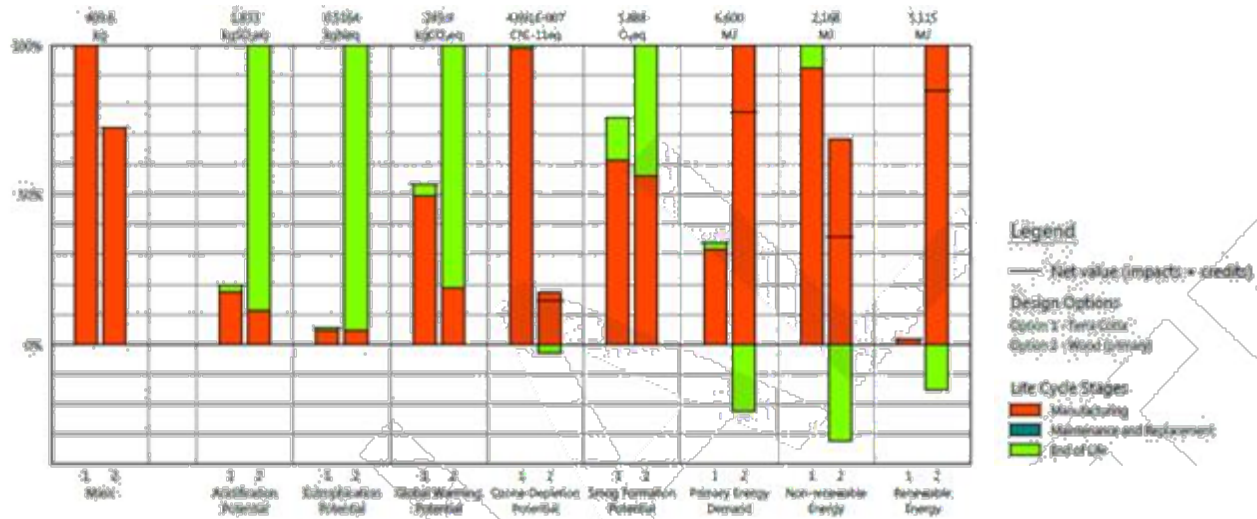
DISCUSSION



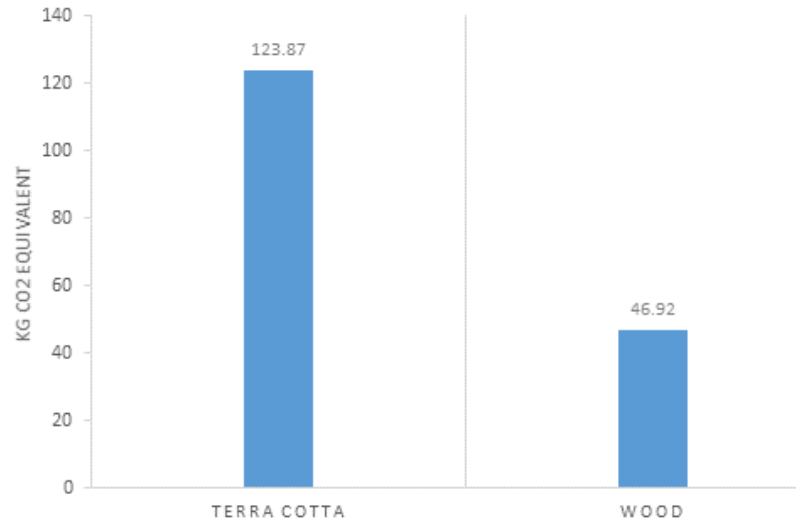
LIFE CYCLE ASSESSMENT



ANALYSIS OF LIFE CYCLE STAGES



GLOBAL WARMING POTENTIAL



ENERGY DEMAND

