

Downtown Portland Urban Design Studio

Spring 2023

Prof. Nico Larco, Lora Lillard, Mark Raggett

University of Oregon



Downtown Portland Urban Design Studio

Students:

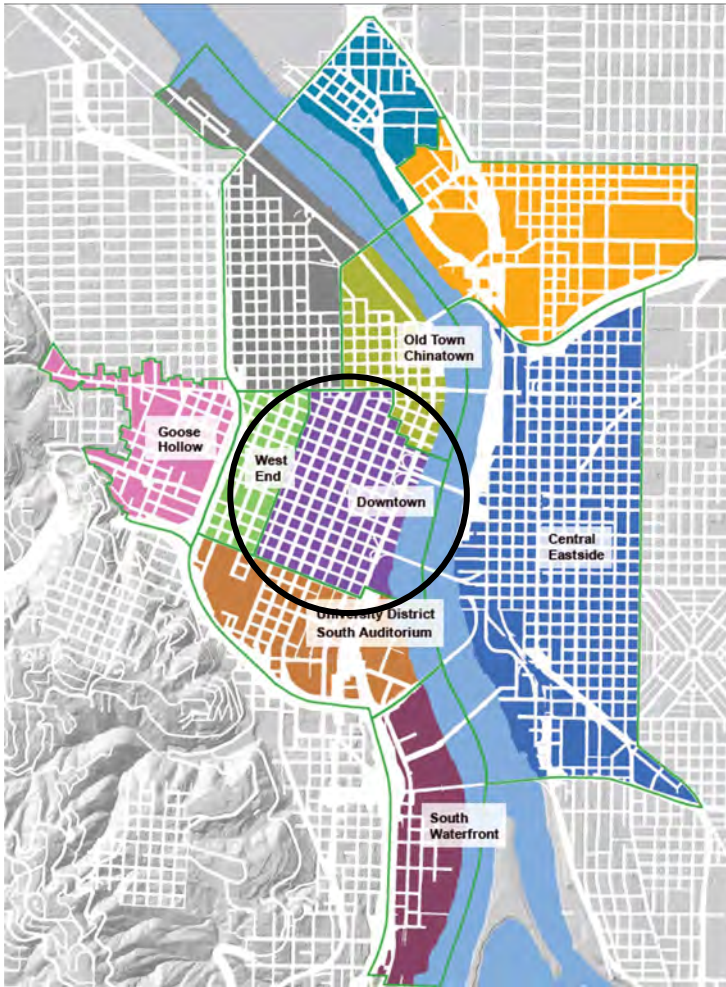
- ADEL MAKBOUL
- ALYSSA RUPP
- ANDY KREITER
- EJ DEL ROSARIO
- EMILY BRATT
- EMMA PAGET
- HANNAH LINDBLAD
- HARI DEEVI
- ISABEL HOFF
- JACOB SCHAEPERKOETTER-COCHRAN
- MADDY JOHNSON
- SAMANTHA VETTER
- SERGEY TKACHENKO
- SPENCER DAIGLE
- SPENSER GOULD
- THALIA KIERSTEAD

Downtown Portland Urban Design Studio

Studio Guests / Presentations:

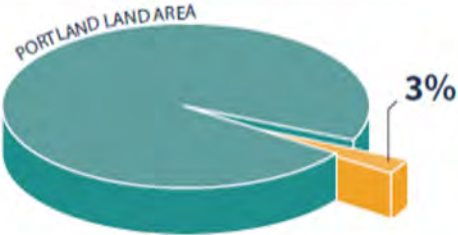
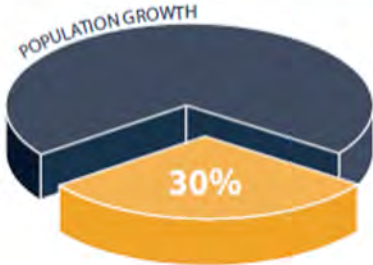
- Troy Doss (City of Portland, BPS)
- Sofie Kvist and Laura Johnson (Gehl)
- Paddy Tillet and Tad Savinar (AIA – R/DAC)
- Lora Lillard (City of Portland, Parks and Rec)
- Winta Yohannes (Albina Vision Trust)
- Keith Jones (Green Loop)
- Sean Suib (New Avenues for Youth)
- Mark Raggett (GBD)
- Lisa Abuaf (ULI/Prosper Portland)
- Nick Falbo (City of Portland, PBOT)
- Heather Wilson (AIAOregon)





CENTRAL CITY CONTEXT

30 PERCENT OF THE GROWTH → *in* → 3 PERCENT OF THE LAND AREA



CC2035 Plan: Between 2010 and 2035,
Downtown is expected to grow:

by 3,000 households and 7,000 jobs,
for a total of 4,600 households and 55,200 jobs

How/Where will the Central City Grow?



PHYSICAL SITE

FIGURE GROUND

Our site contains **184 buildings**



PHYSICAL SITE

PUBLIC TRANSIT CONNECTIONS

Public Transportation brings people into the city from far beyond Portland's city lines. The Portland Transit Mall is a central point where all these different lines meet

- BLUE MAX LINE
HILLSBURO - GRESHAM
- RED MAX LINE
BEAVERTON - AIRPORT
- ORANGE MAX LINE
MILWAUKIE - UNION STATION
- YELLOW MAX LINE PSU -
EXPO CENTER
- GREEN MAX LINE PSU -
CLACKAMAS
- PORTLAND STREET CAR
NORTHWEST DISTRICT -
SOUTH WATERFRONT
DOWNTOWN - CENTRAL EASTSIDE
- BUS ROUTES
- PORTLAND TRANSIT
MALL

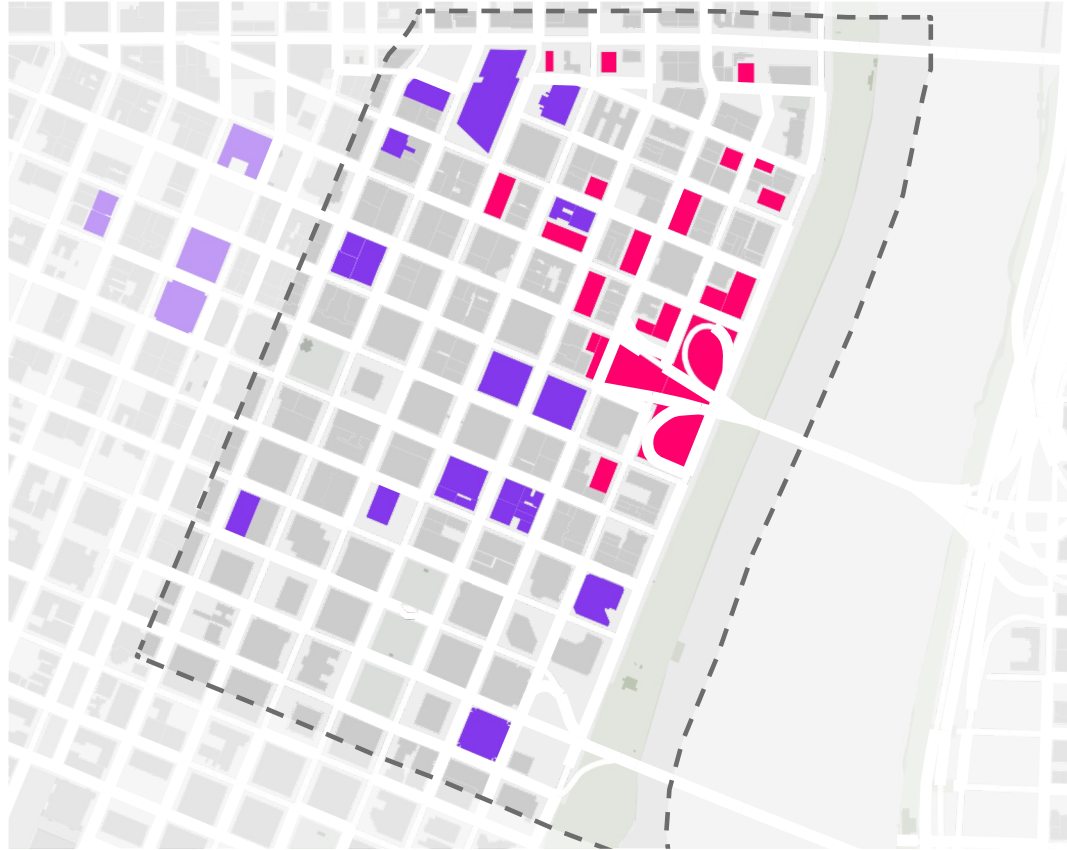


PHYSICAL SITE

PARKING AREAS AND


There is a high density of surface parking and no parking garages in the NW corner of our site. Getting past that, parking garages are scattered throughout the rest of our site

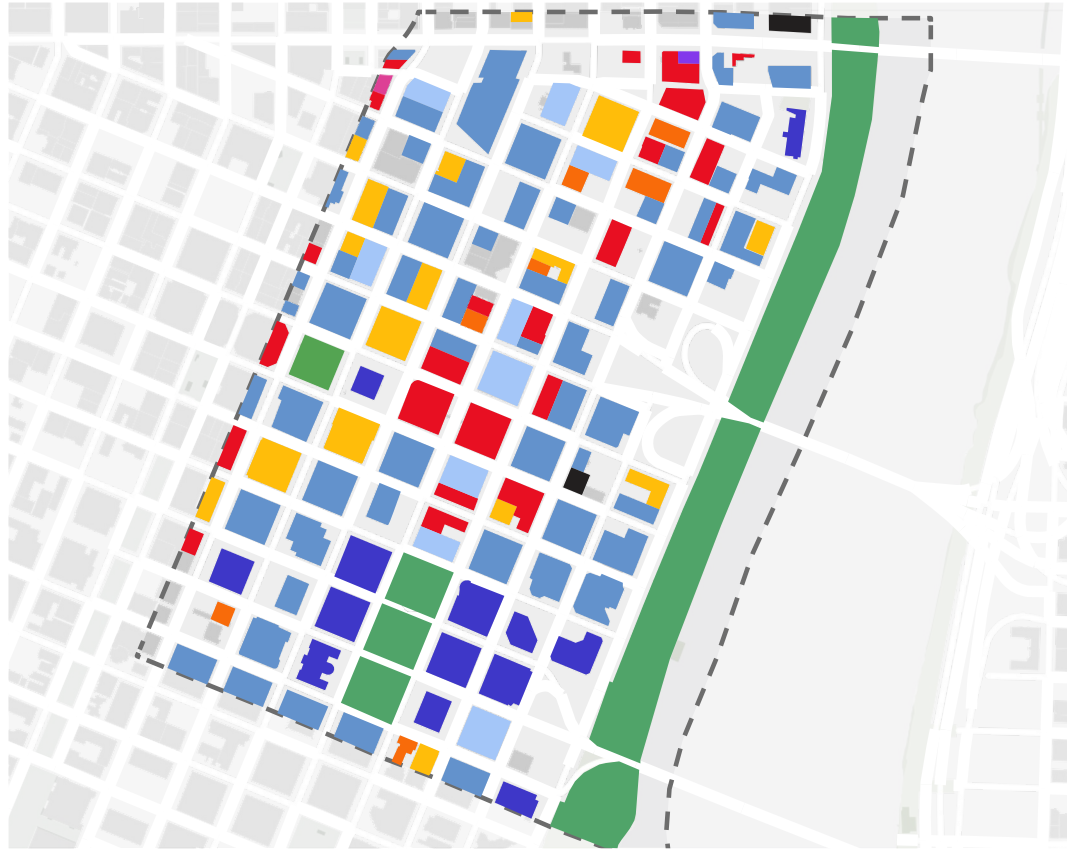
-  Parking Garages
-  Surface Parking



PHYSICAL SITE

EXISTING USES

-  Park/Open Plaza
-  Office/Business
-  Retail
-  Residential
-  Hospitality
-  Institutional
-  Religious
-  Justice Center/Government
-  Garage Building



PHYSICAL SITE AMENITIES

- Park
- Shopping
- Beauty Salon
- Coffee
- Restaurant/Food
- Bar/NightClub
- Daycare Center
- Gym
- Grocery/Convenience Stores
- Theater
- Transit Lines



PHYSICAL SITE

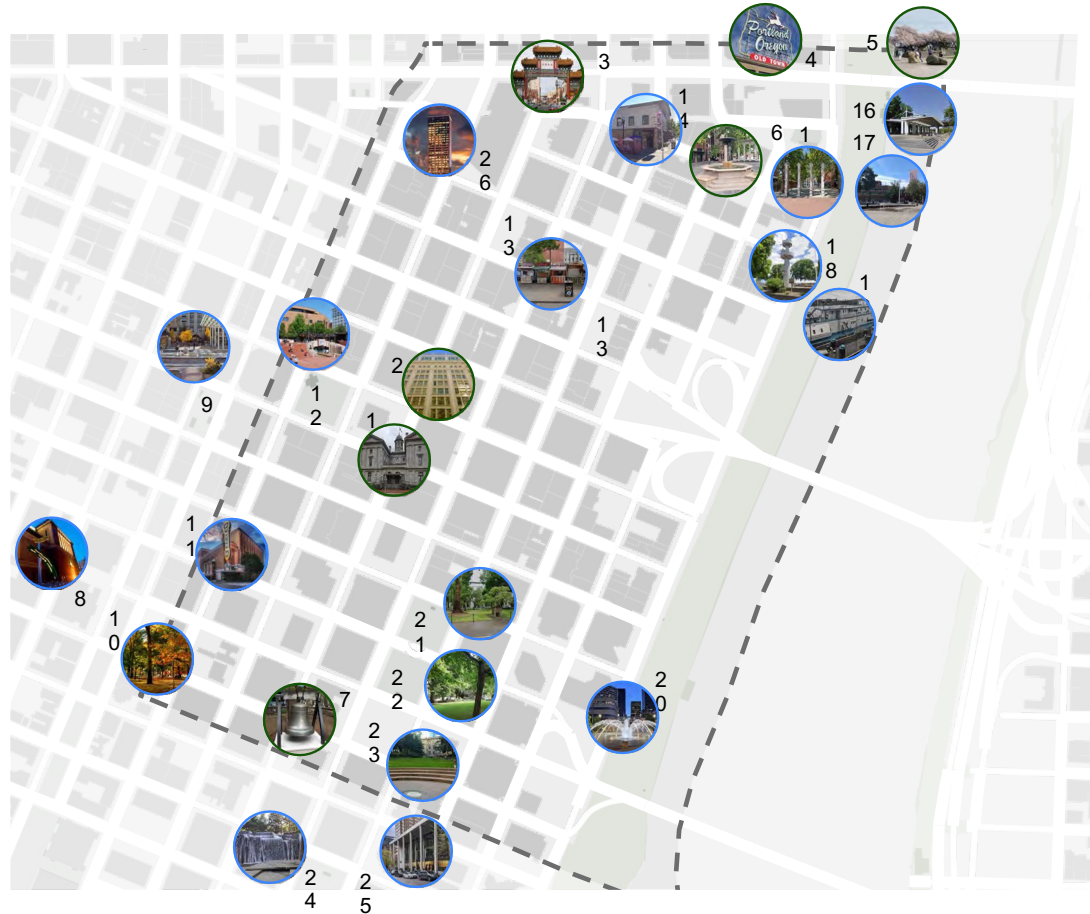
DESTINATIONS

HISTORIC LANDMARKS

1. Pioneer Courthouse
2. Meyer and Frank Building
3. Chinatown Gateway
4. White Stag Sign
5. Japanese American Historical Plaza
6. Skidmore Fountain
7. Liberty Bell

PLACES




08. Portland Art Museum
09. Directors Park
10. South Park Blocks
11. Arlene Schnitzer Concert Hall
12. Pioneer Square
13. Food Carts
14. Voodoo Donuts
15. Ankerly Plaza
16. Japanese American Historical Plaza Fountain
17. Bill Natio Legacy Fountain
18. Battleship Oregon Memorial Marine Park
19. Oregon Maritime Museum
20. Salmon Street Springs
21. Lowndale Square
22. Chapman Square
23. Terry Schunk Plaza
24. Keller Fountain Park
25. Keller Auditorium
26. Big Pink

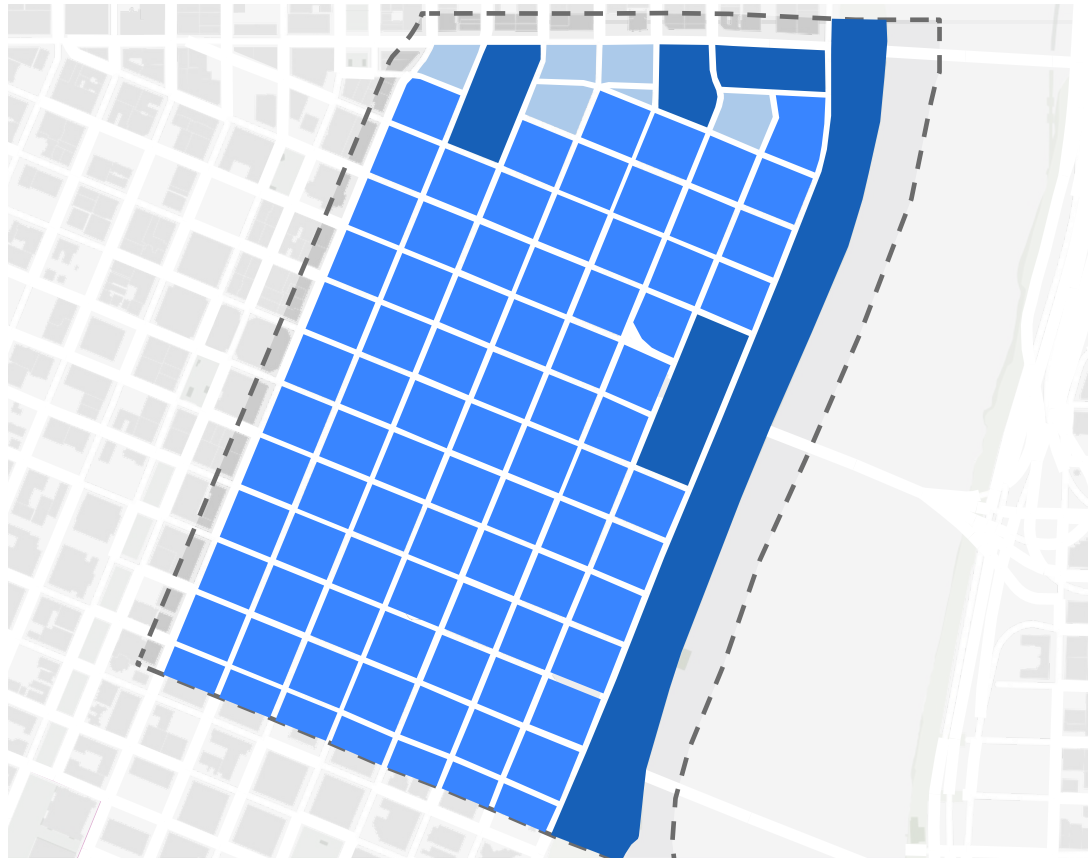


PHYSICAL SITE

BLOCK SIZES

A typical Portland Downtown block consists of 200' by 200' dimensions. The majority of the downtown site is made up of these blocks

-  smaller than 200'x200'
-  200'x200'
-  bigger than 200'x200'



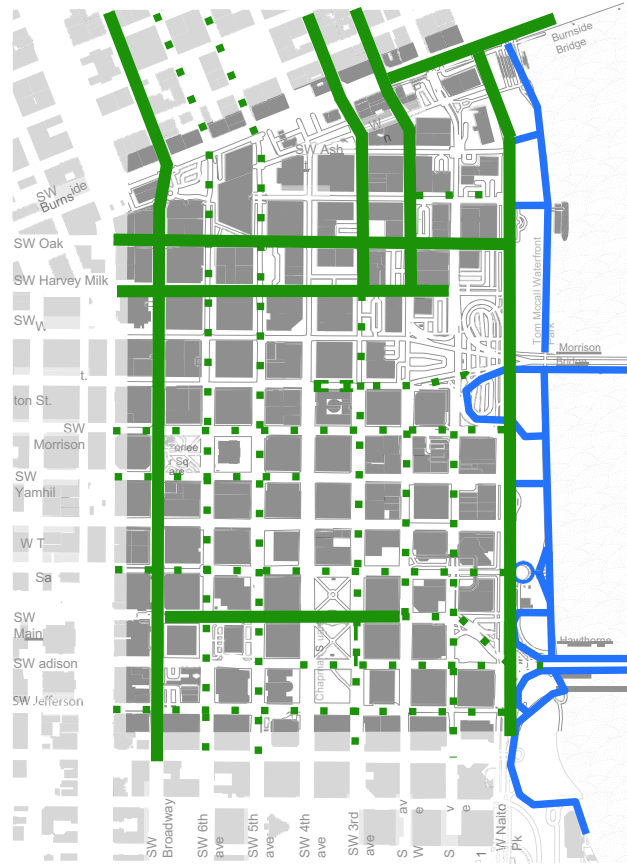
TRANSPORTATION




VECHILE TRAFFIC USAGE



TRANSPORTATION

BIKE PATHS

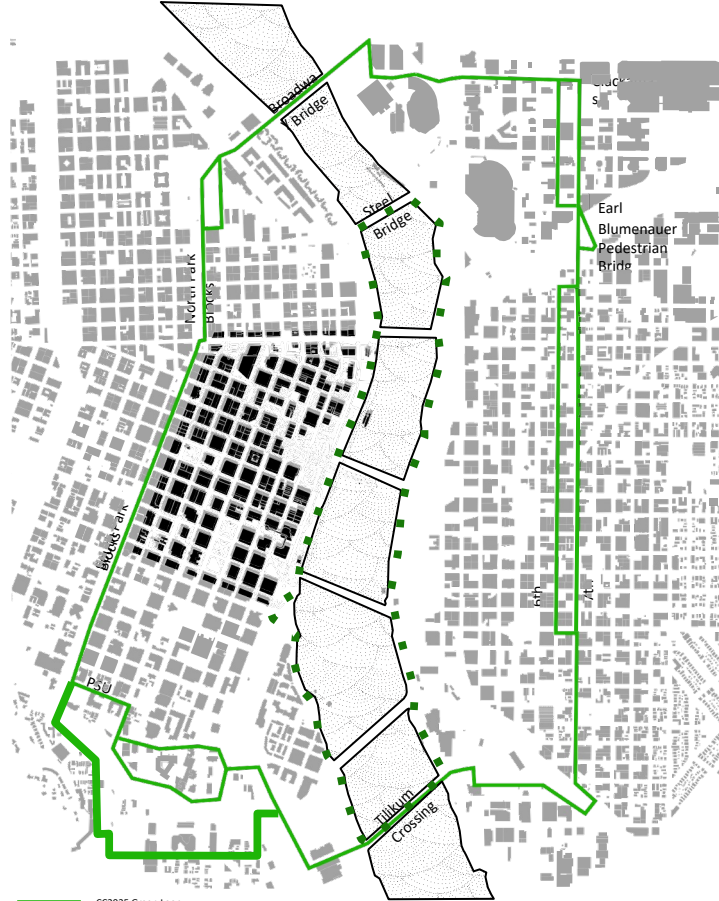


-  Protected Bike Lane
-  Shared Roadways with Bike Lanes
-  Mix-use Bike Path

EMMA PAGET AND EJ DEL ROSARIO

TRANSPORTATION

CC2035 GREEN LOOP



- CC2035 Green Loop
- Naito Pkwy/Vera Katz Eastbank Esplanade

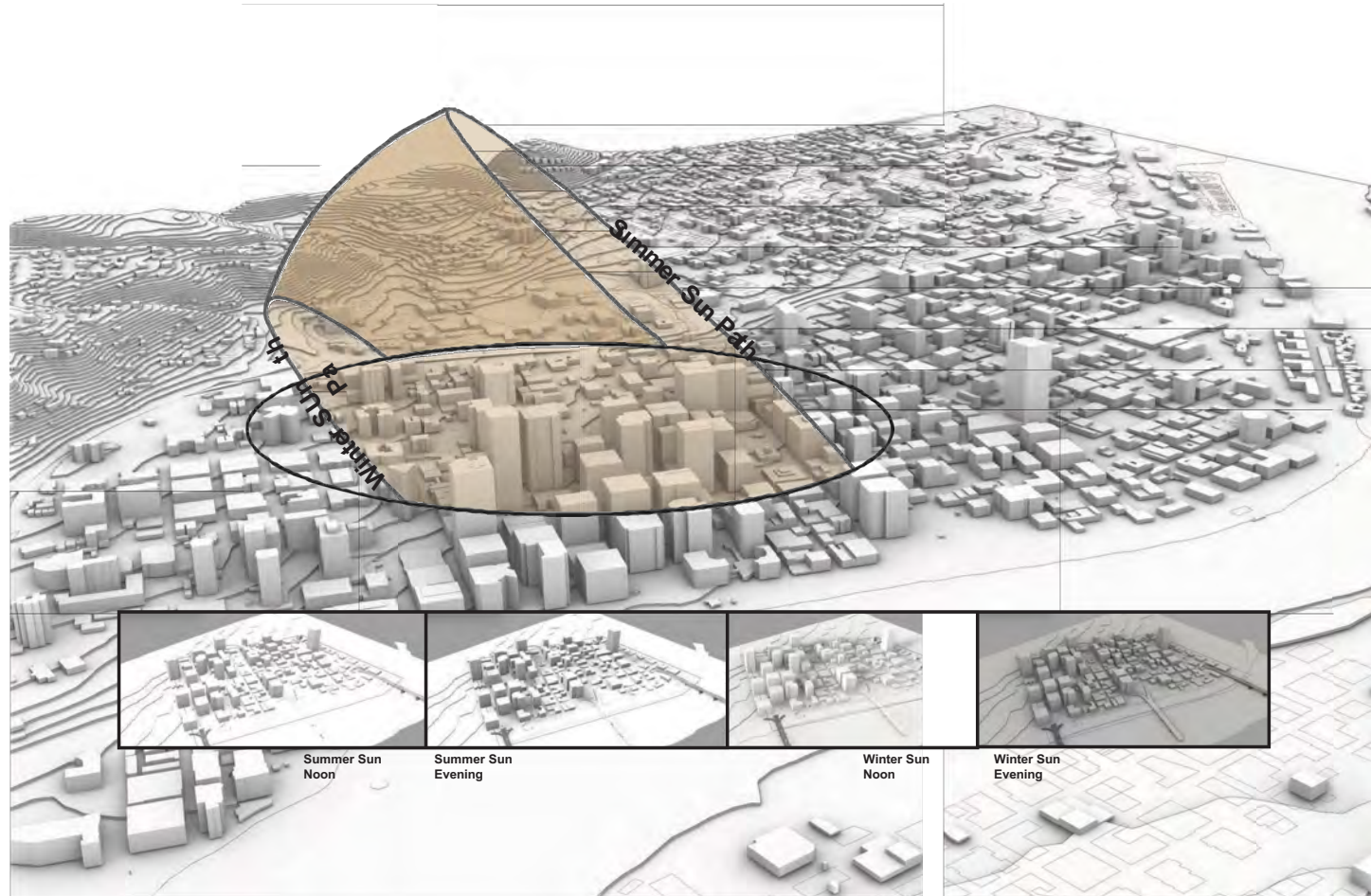
EMMA PAGET AND EJ DEL ROSARIO

TRANSPORTATION

URBAN DESIGN STUDIO | UO SPRING 2023

ENVIRONMENTAL INFO

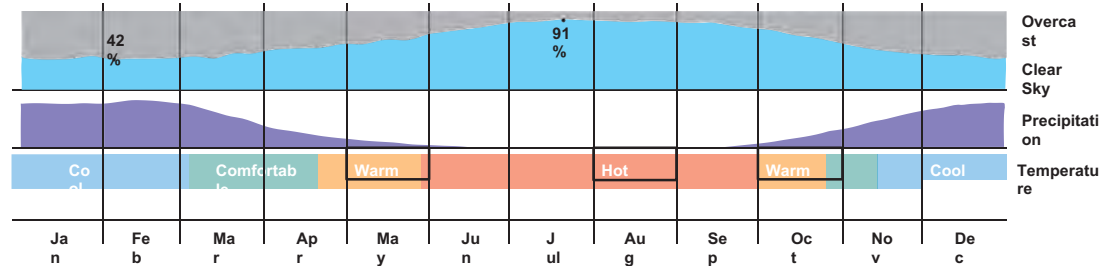
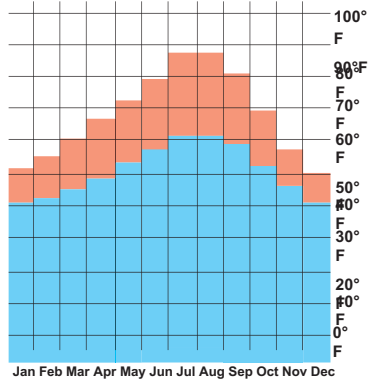
SOLAR STUDY



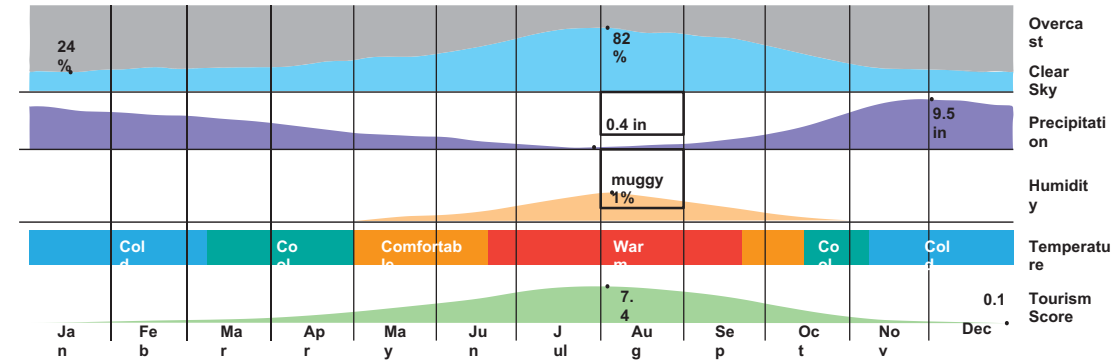
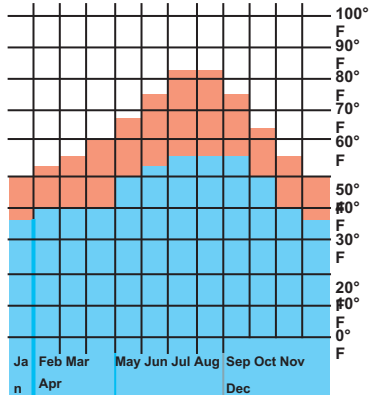
ENVIRONMENTAL INFO

ENVIRONMENTAL COMFORT

Projected Change

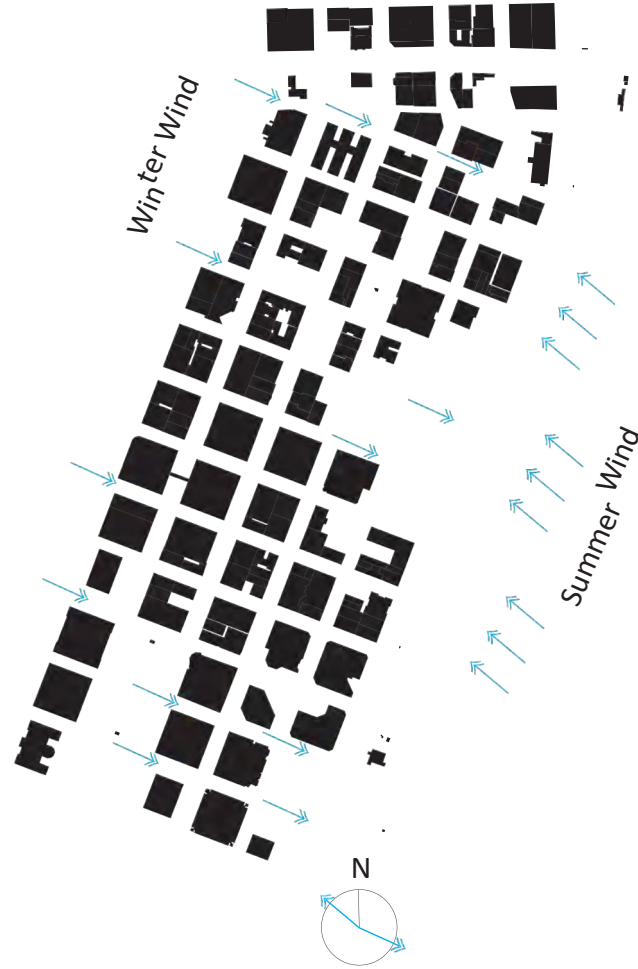
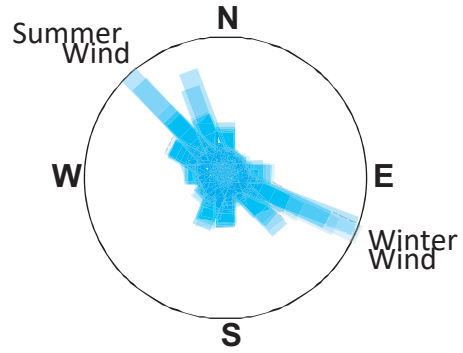


Conditions as of 2023



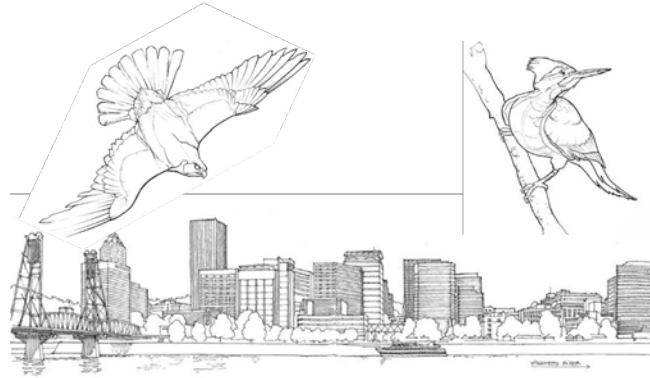
ENVIRONMENTAL INFO

WIND STUDY



ENVIRONMENTAL INFO

WATERFRONT ECOLOGY- ANIMALS



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Fish & Wildlife

The Willamette River is critical habitat for salmon, steelhead, lamprey, and other fish listed on the Endangered Species Act. Raptors rely on Willamette fish for food, while other birds subsist on riparian plants. Below is a life of some fish and wildlife that are found in and around the Willamette.

Fish:

chinook and coho salmon, largescale sucker, cutthroat and rainbow/steelhead trout, smallmouth bass, common carp

Birds that fish and nest on the river:

raptors: osprey, bald eagles, peregrine falcons

other: gulls, double-crested cormorants, Canada geese, cackling geese

Birds in the tree canopy:

robins, spotted towhees, juncos, Swainson's and varied thrushes, brown creepers, Pacific-slope flycatchers, Wilson's warblers, black-throated gray warblers, ravens, woodpeckers

ENVIRONMENTAL INFO

WATERFRONT ECOLOGY- IMPLEMENTATION



How to Create a Healthy Habitat for Salmon

In its current condition, the Willamette River in downtown Portland is too deep for young salmon to comfortably swim downstream. Places where salmon can rest are shallow and rocky, such as on naturally gradient riverbanks, by fallen logs or beaver dams.

The above image shows Portland's South Waterfront redevelopment. Aspects of this design that are beneficial to salmon and other native species include the gradual slope of gravel and rocks at the river's edge and the vegetation of varied heights growing along the riverbank, which filter pollutants before runoff enters the river and provide food and habitat to wildlife. The wooden remnants of an old dock are also beneficial to salmon, as they provide shelter from fast currents. Below are images of an object designed to have a similar effect.



TYOLOGIES/DIMENSIONS

RESIDENTIAL

TOWNHOUSES

Attached units, each on a separate lot, and each with its own entry from a public or shared street or common area.

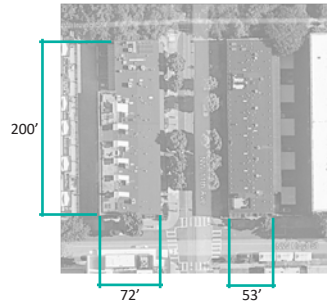
Density: 20- 45 per acre
Lot size: 1,800 – 3,500 sq ft

Pearl Townhomes (NW 11th and Hoyt)

- 1990s renovation
- 20 (2-3bed) units
- 2 bed, 2 bath (2000 sq ft)
- 3 bed, 2.5 bath (2420 sq ft)

Common variations

- Rowhouse over a flat
- terrace rowhouse
- above retail block
- over structured parking
- on the roof of a building
- with a walled-in, private backyard
- with private garage on the ground floor (front or back)
- live-work rowhouse



TYOLOGIES/DIMENSIONS

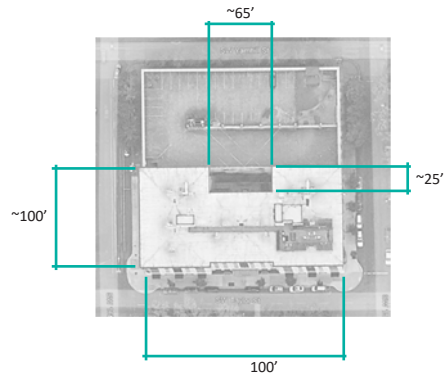
RESIDENTIAL

APARTMENTS

Low-rise (1-6 stories, 15'- 70')

North Hollow (1551 SW Taylor St)

- Built 2017
- 121 units
- 6 stories (70')
- One 900 sq ft retail space



SPENCER DAIGLE AND ANDY KREITER

TYOLOGIES/DIMENSIONS

RESIDENTIAL

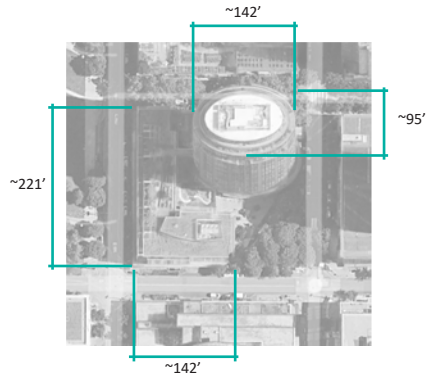
APARTMENTS

High-rise (13 stories and above, 140' - ...)

Max Building Height in Portland is 460'

John Ross Tower (3601 S River Pkwy)

- Built 2007
- 31 floors (325')
- 303 units (243 condominiums in tower, 39 flats in podium)
- Point tower combined with 3 story mixed-use base
- 3 levels of below grade parking and a 9,700 sq ft public plaza
- 576,816 sq ft total



TYOLOGIES/DIMENSIONS

RETAIL

FOOD CART PODS



Hawthorne Asylum
(SE 10th Ave &, 1080 SE Madison St)

- 21 food carts
- Occupies half of a city block



Cart Blocks (770 W Burnside St)

- 10 Vendors
- Sited on pre-existing park

TYOLOGIES/DIMENSIONS

RETAIL

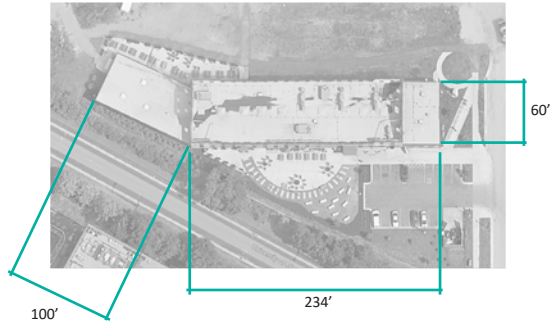
FOOD HALL



The Market at Malcolm Yards (Minneapolis, MN)

- Housed in historic Harris Machinery Building
- First development in soon to be expanded district
- 9 vendors (9 Food, 1 Bar)
- 16,000 sq ft
- Total seating 510 (310 interior, 200 exterior)

URBAN DESIGN STUDIO | UO SPRING 2023



TYOLOGIES

TYOLOGIES / DIMENSIONS

PUBLIC MARKETS- OUTDOOR



PORTLAND SATURDAY MARKET

S ○ ○ ○ W ○ ○ ● T F S
M

T 2 SW NAITO PKWY, PORTLAND, OR
 ADDRESS OR
 HOURS 10AM- 5PM (MAR-DEC)
 # OF VENDORS 200+
 BOOTH SIZES 10' x 10' (AREA OF CANOPY)
 SITE SF ~70,000 SF
PORTLAND FARMER'S MARKET @ PSU

S ○ ○ ○ W ○ ○ ● T F S
M

T 1803 SW PARK AVE, PORTLAND, OR
 ADDRESS OR
 HOURS 8:30AM- 2PM (YEAR ROUND)
 # OF VENDORS 100+
 BOOTH SIZES 10' x 10' (AREA OF CANOPY)
 SITE SF ~15,000 SF
PORTLAND FARMER'S MARKET @ KING

● ○ ○ ○ W ○ ○ ○ T F S
M

T NE WYGANT ST &, NE 7TH AVE, PORTLAND, OR
 ADDRESS OR
 HOURS 10:00AM- 2:00PM (MAY-NOV)
 # OF VENDORS 10' x 10' (AREA OF CANOPY)
 BOOTH SIZES ~15,000 SF
 SITE SF
SOUTH WATERFRONT FARMER'S MARKET

S ○ ○ ○ W ● ○ ○ T F S
M

T 3508 S MOODY AVENUE, PORTLAND, OR
 ADDRESS OR
 HOURS 2:00PM- 7:00PM (JUN-OCT)
 # OF VENDORS 50+
 BOOTH SIZES 10' x 10' (AREA OF CANOPY)
 SITE SF ~80,000 SF
HOLLYWOOD FARMER'S MARKET

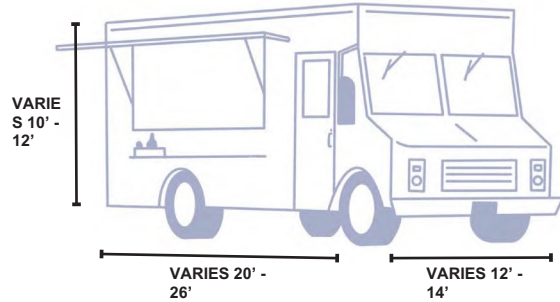
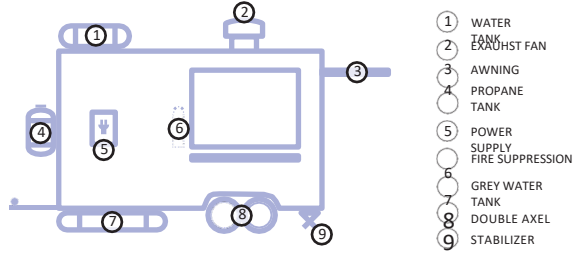
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M

T 4420 NE HANCOCK ST, PORTLAND, OR
 ADDRESS OR
 HOURS 8:00AM- 1:00PM (APR-OCT)
 # OF VENDORS 10' x 10', 10' x 15', 10' x 20'
 BOOTH SIZES ~36,000 SF
 SITE SF












TYOLOGIES / DIMENSIONS

FOOD TRUCK DIMENSIONS



ZONING MAP



- | | |
|--|--|
|  Central Commercial (CX) |  General Industrial (IG1) |
|  Central Employment (EX) |  Central Residential (RX) |
|  Commercial Mixed Use 2 (CM2) |  Residential Multi-Dwelling 4 (RM4) |
|  Commercial Mixed Use 3 (CM3) |  Residential Multi-Dwelling 3 (RM3) |
|  Open Space (OS) | |