

URBAN TRANSITIONS

MAKING CONNECTIONS BETWEEN TRANSPORTATION TO THE LIVABLE ENVIRONMENT

ADAM OLSON

LA 572

FINAL DESIGN SOLUTIONS

ADVISOR - JAY KOST





EFFICIENT PUBLIC TRANSIT



ALTERNATIVE TRAVEL

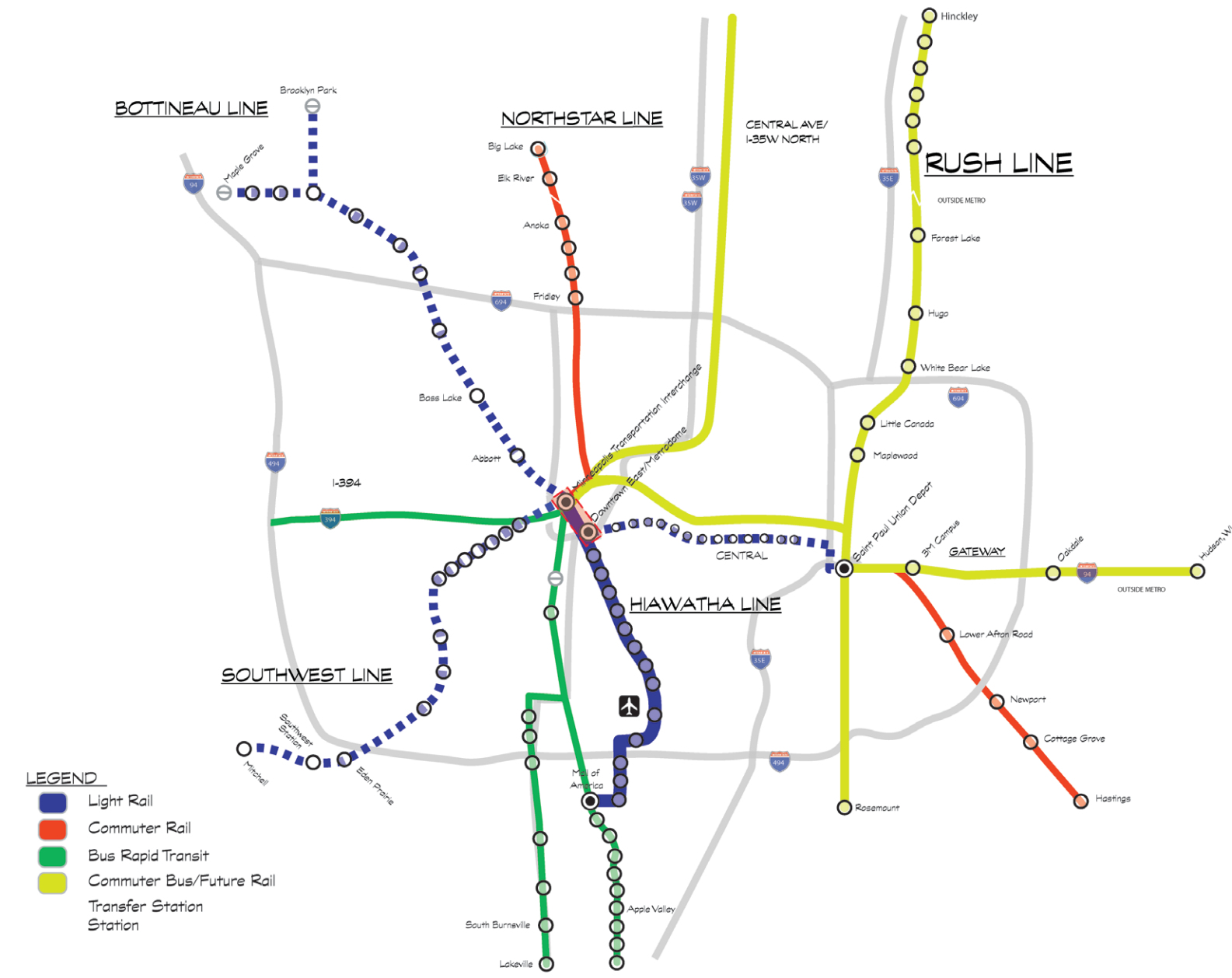


DENSITY

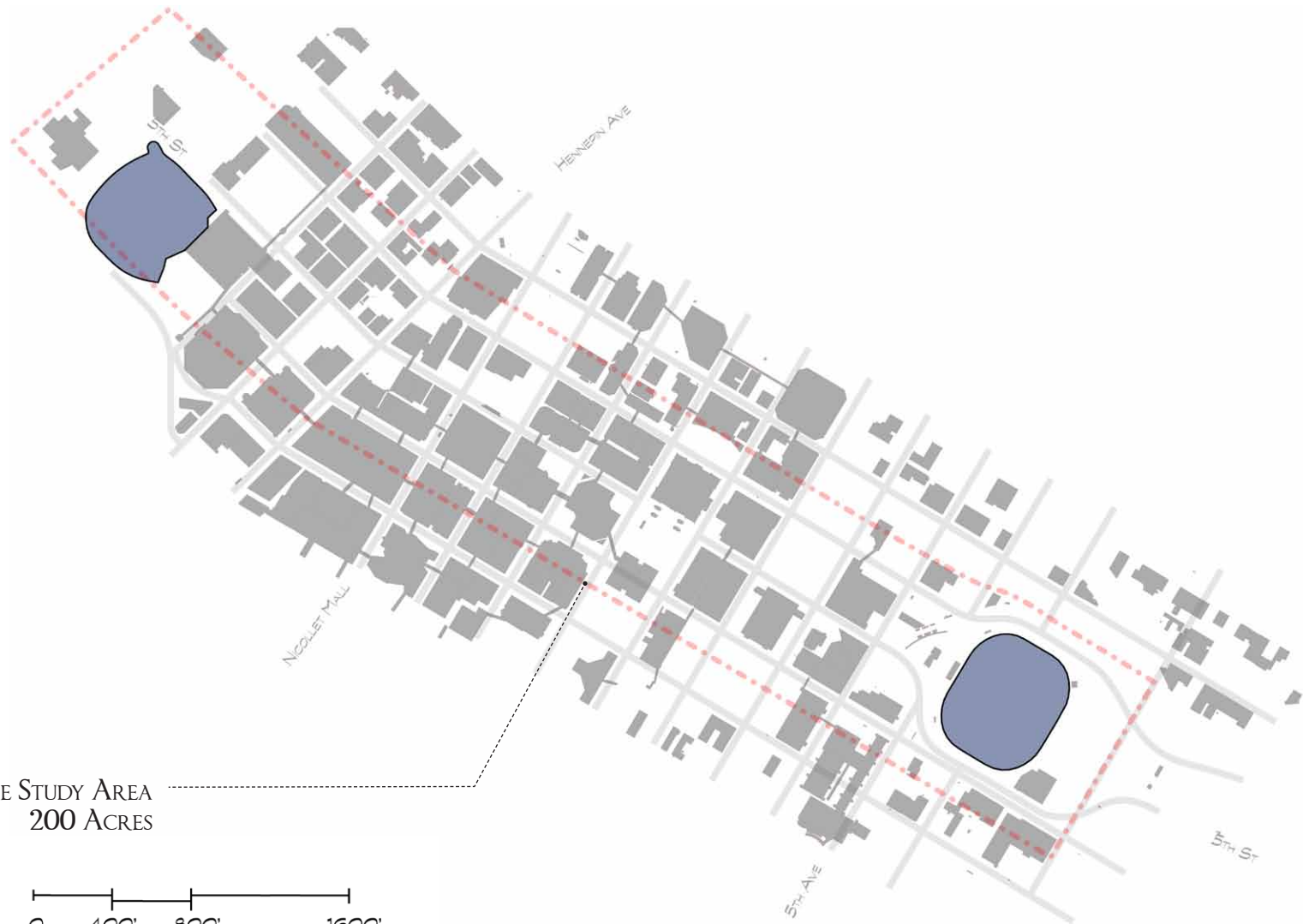
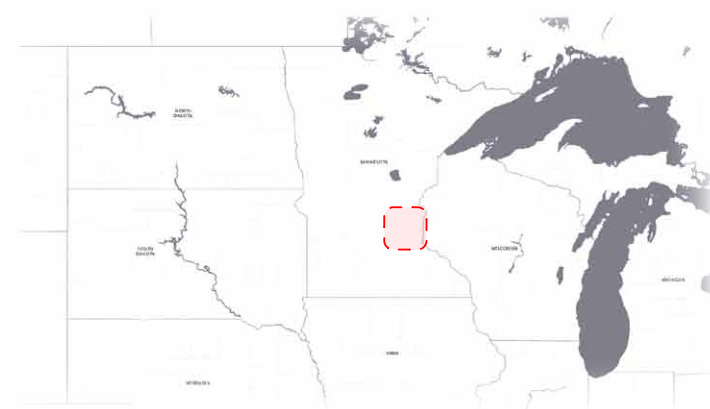
WHY MINNEAPOLIS ?

- POPULATION SIZE
- TRANSPORTATION OPTIONS
- FUTURE GROWTH PLAN
- GAPS IN DOWNTOWN DEVELOPMENT

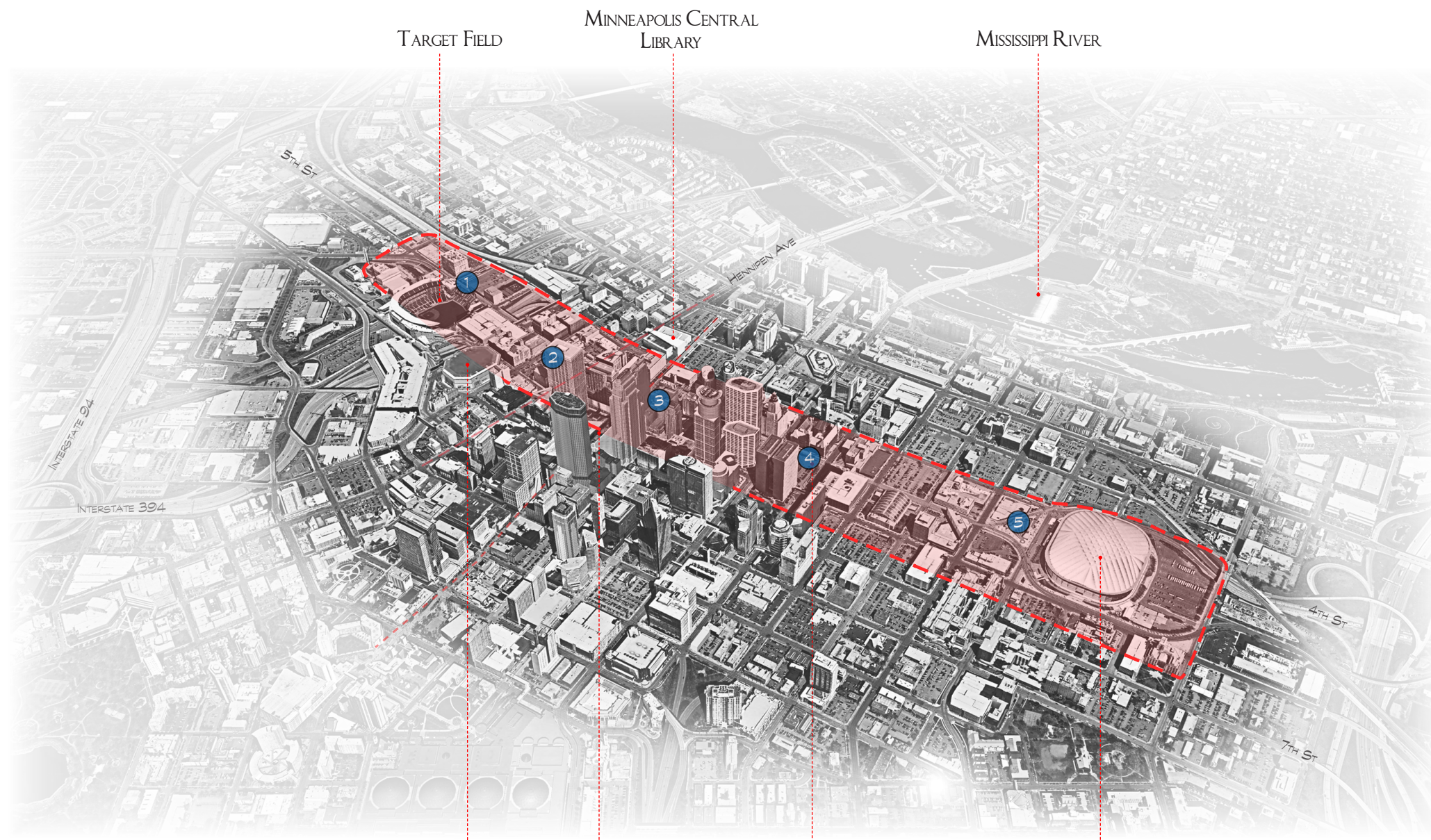
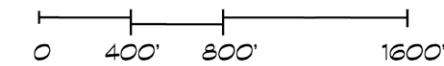
MINNEAPOLIS-ST. PAUL TRANSITWAYS 2020



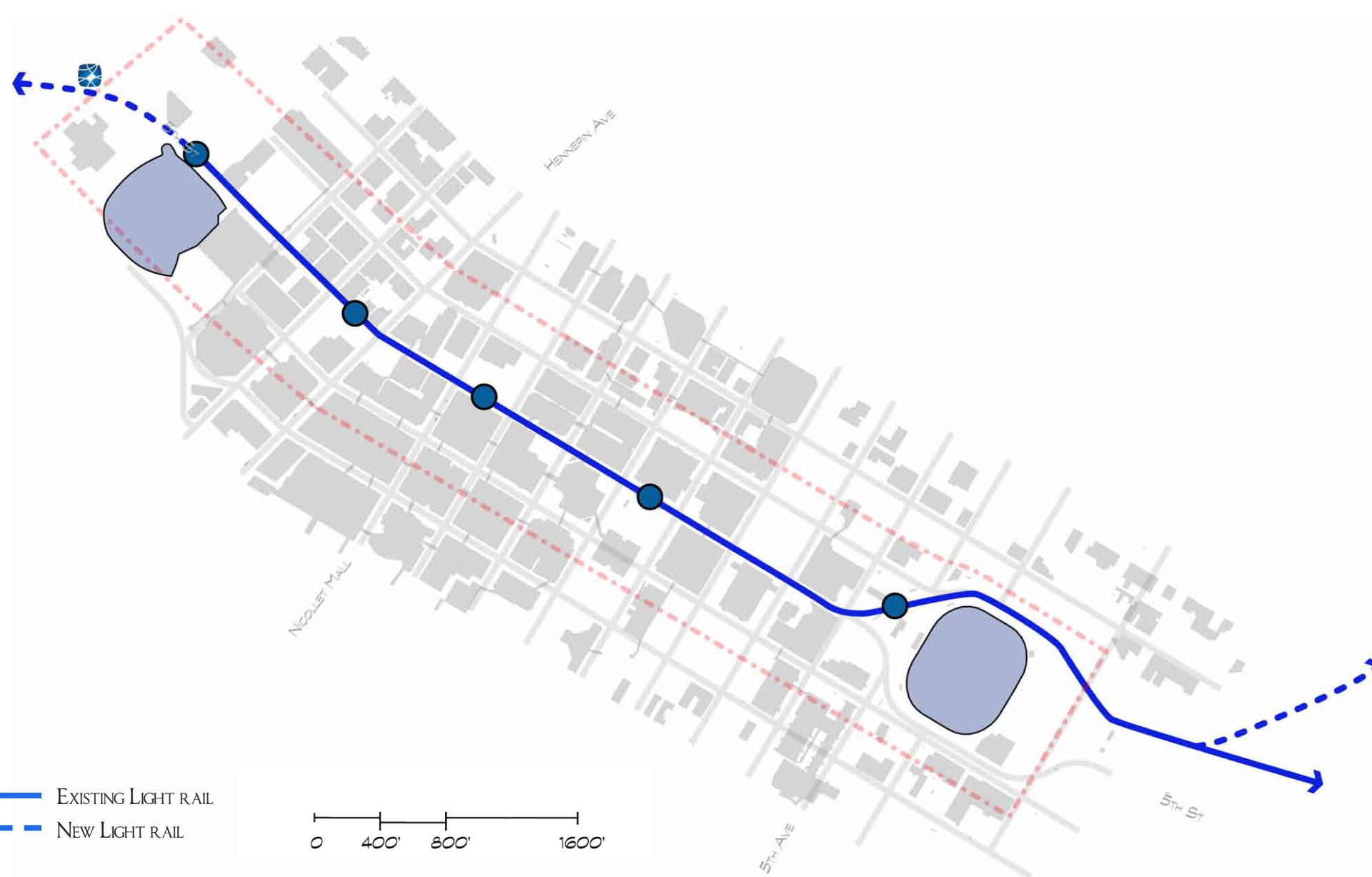
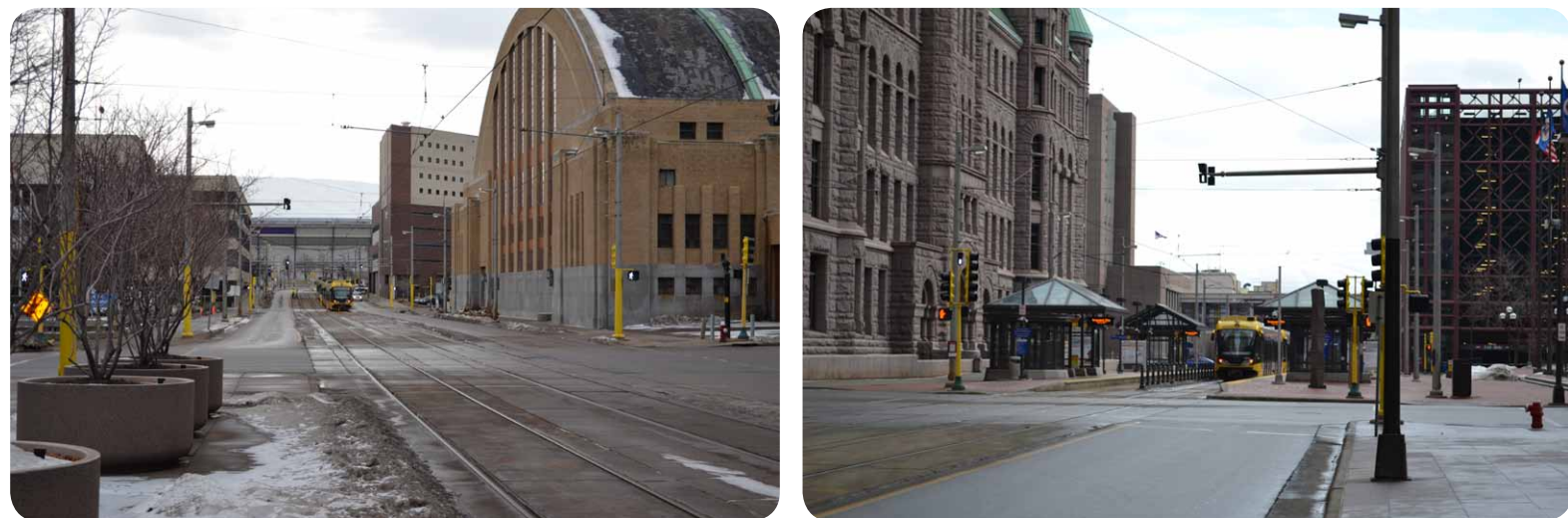
CONTEXT



CORE STUDY AREA
200 ACRES



EXISTING LIGHT RAIL



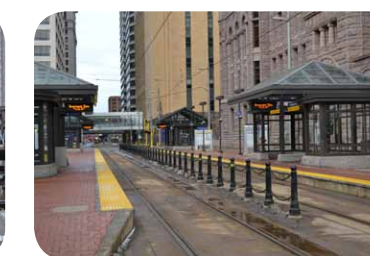
TARGET FIELD 1



WAREHOUSE DISTRICT 2



NICOLLET MALL 3

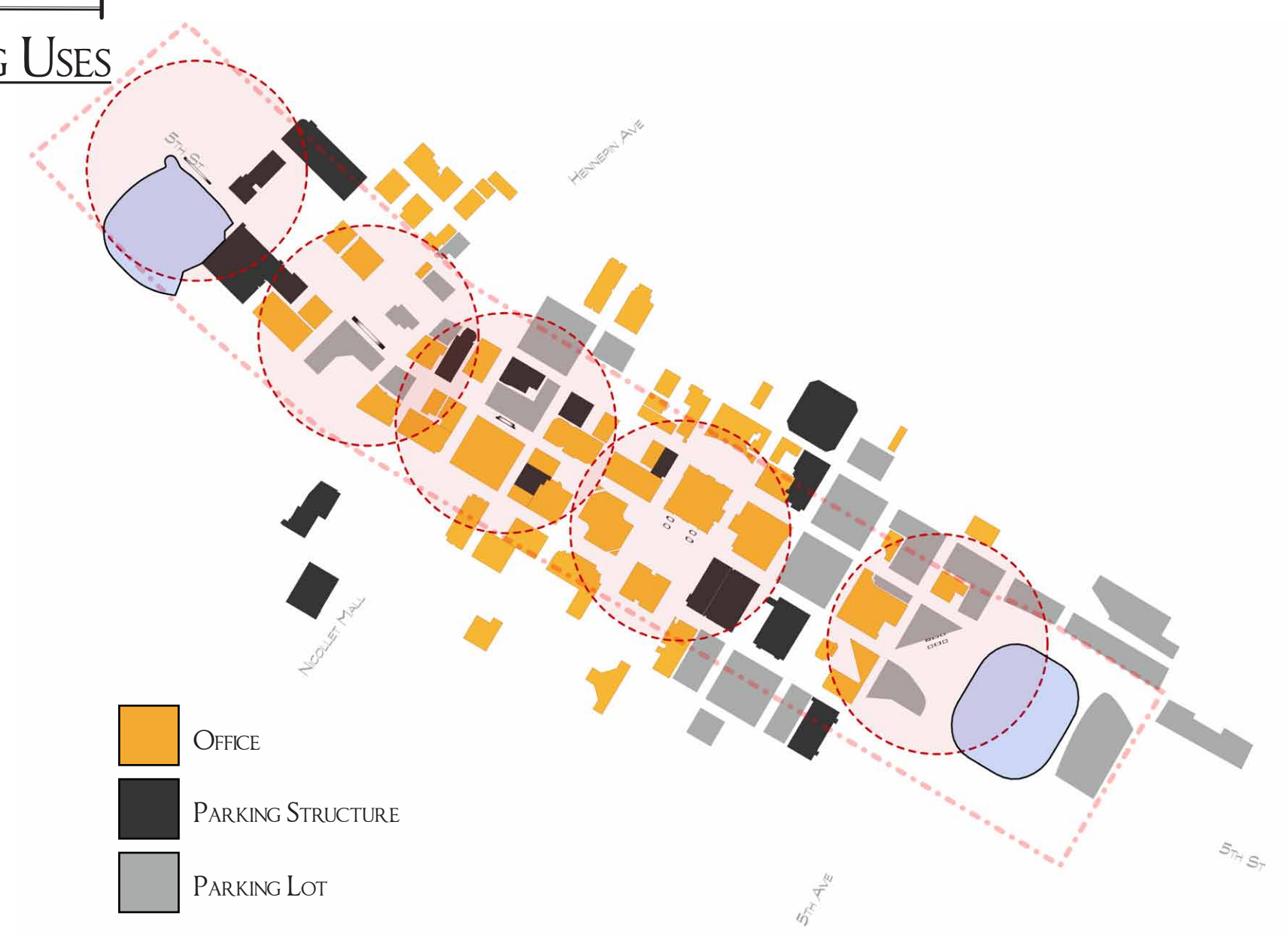


GOVERNMENT PLAZA 4

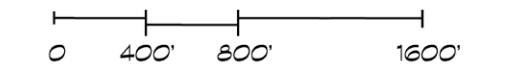
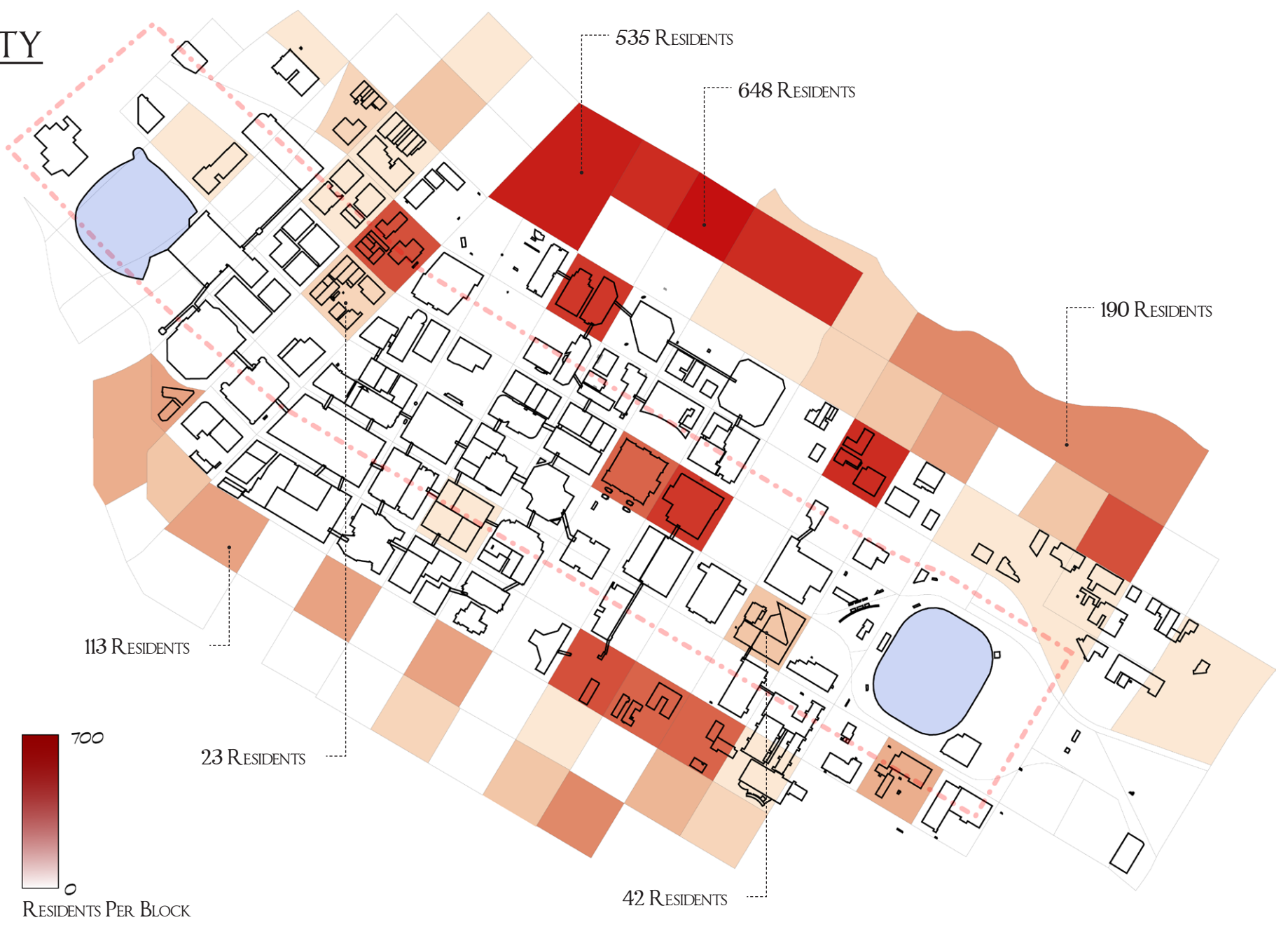


METRODOME 5

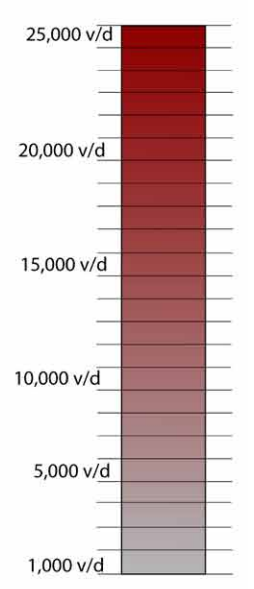
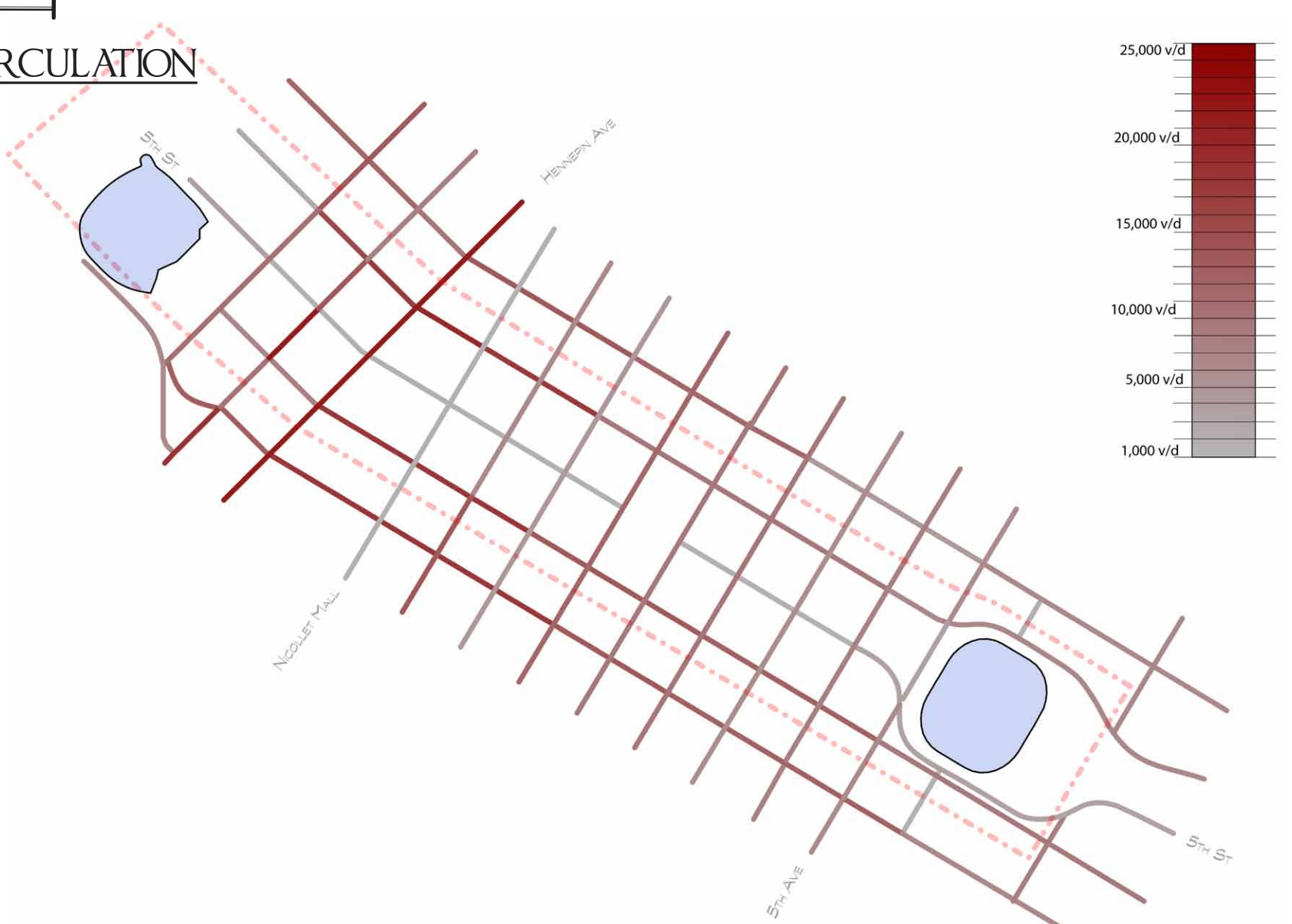
BUILDING USES



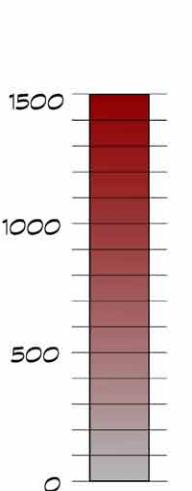
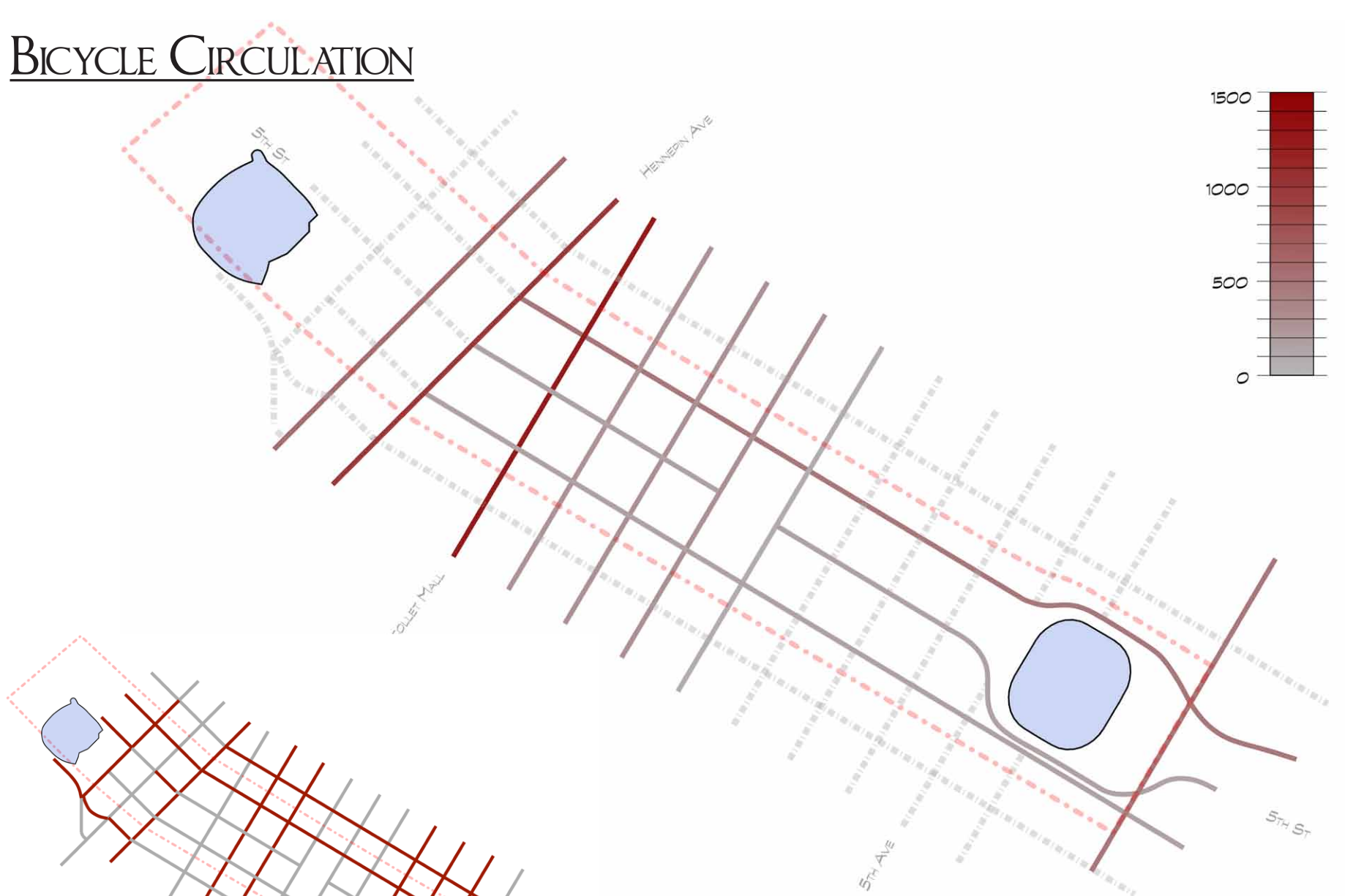
DENSITY



VEHICLE CIRCULATION



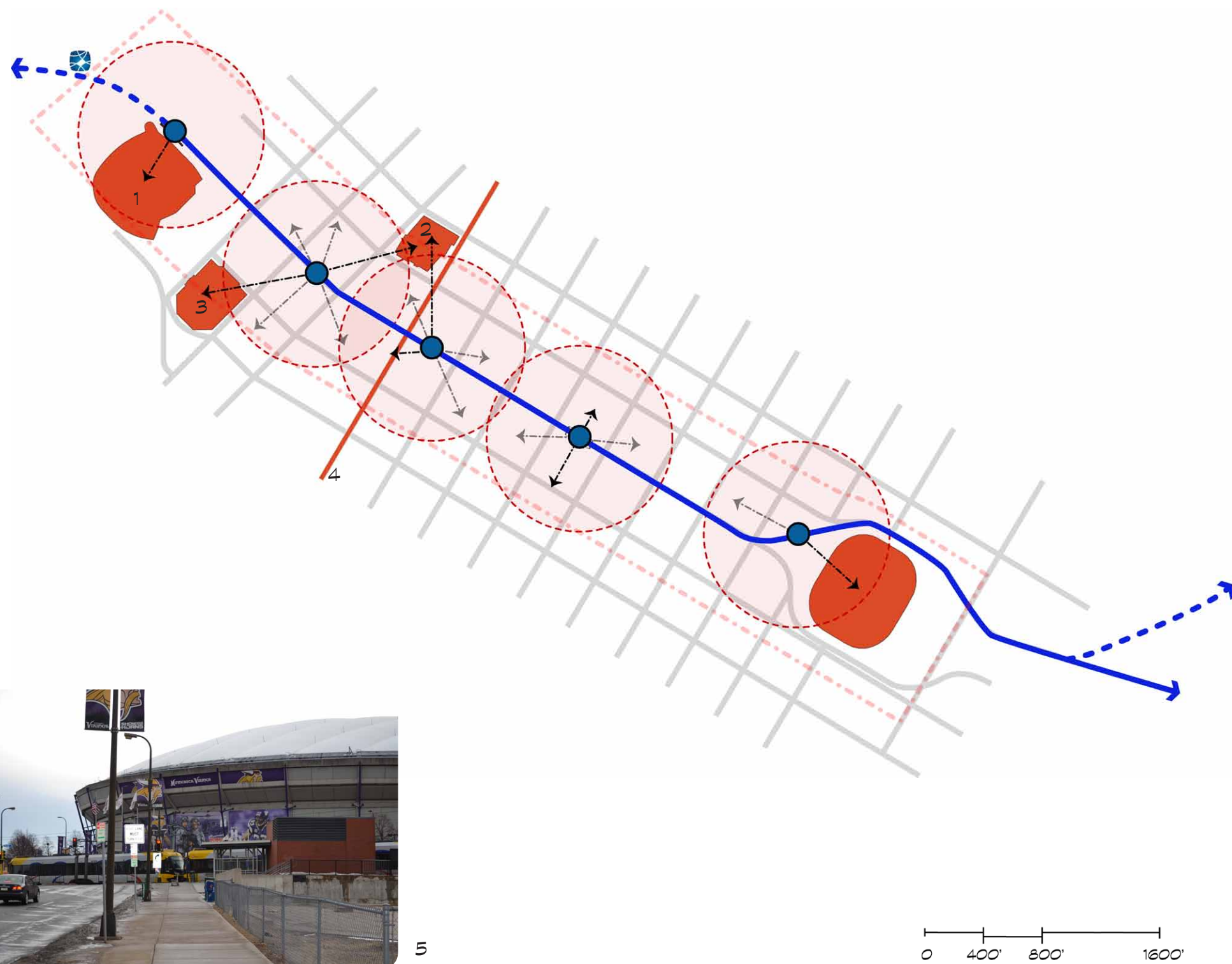
BICYCLE CIRCULATION



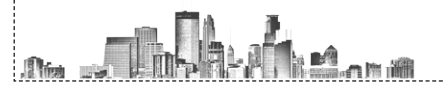
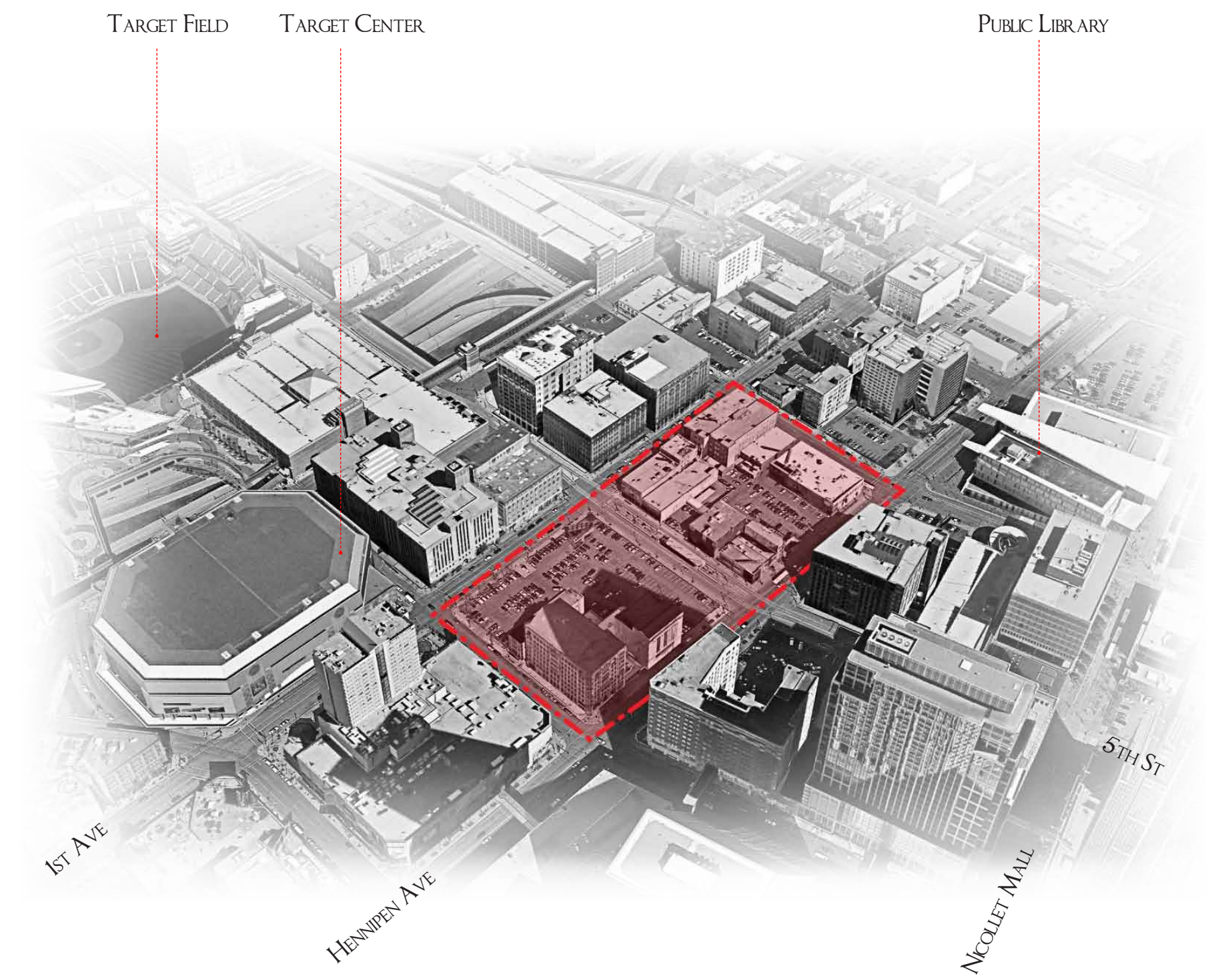
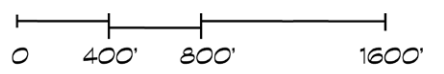
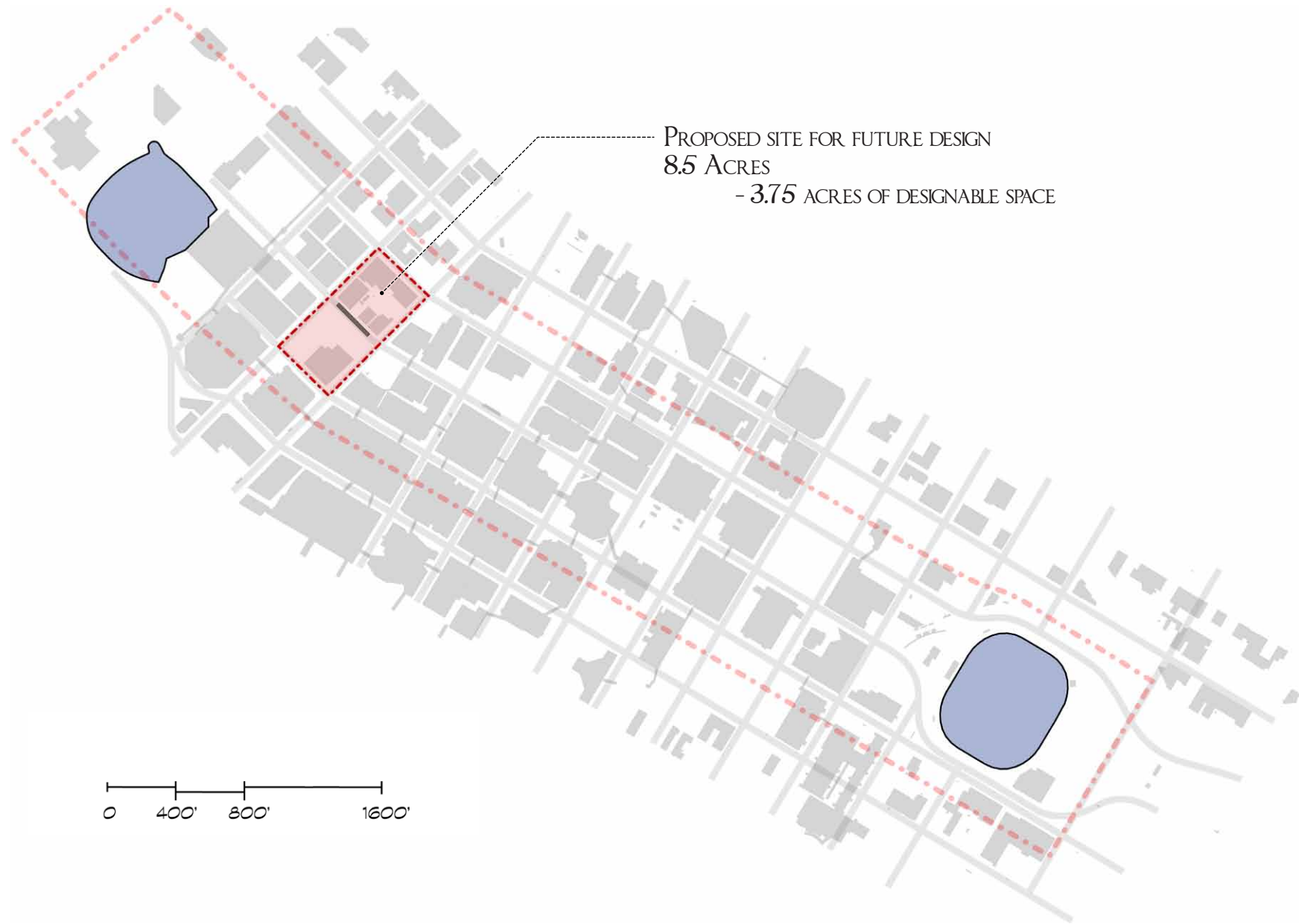
- Bike Lanes
- No Bike Lanes



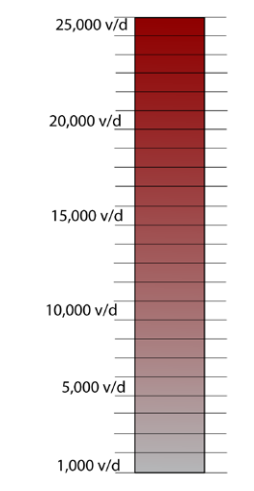
SELECTING A
SMALLER SITE



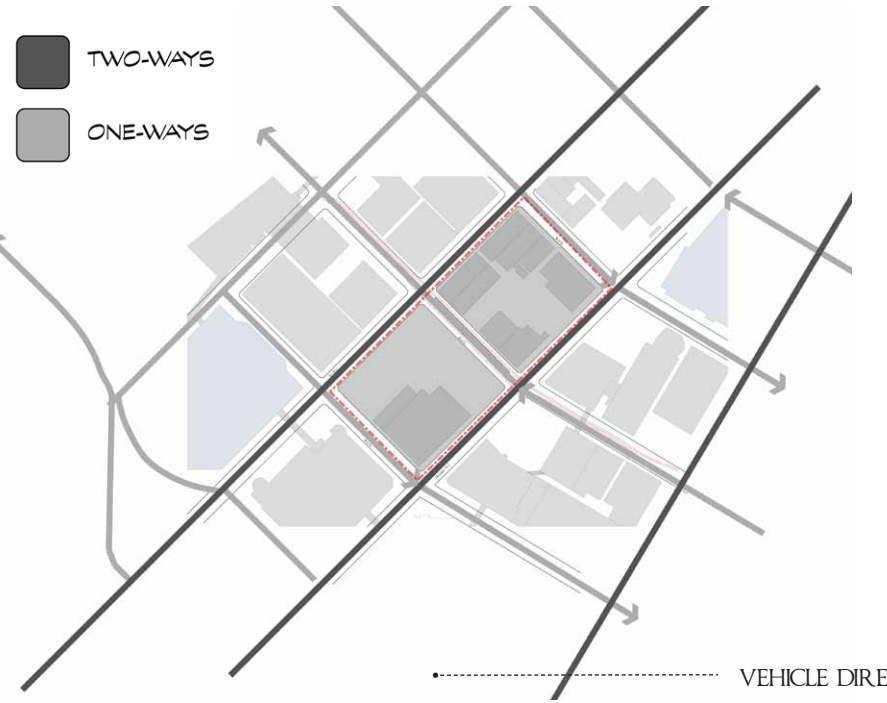
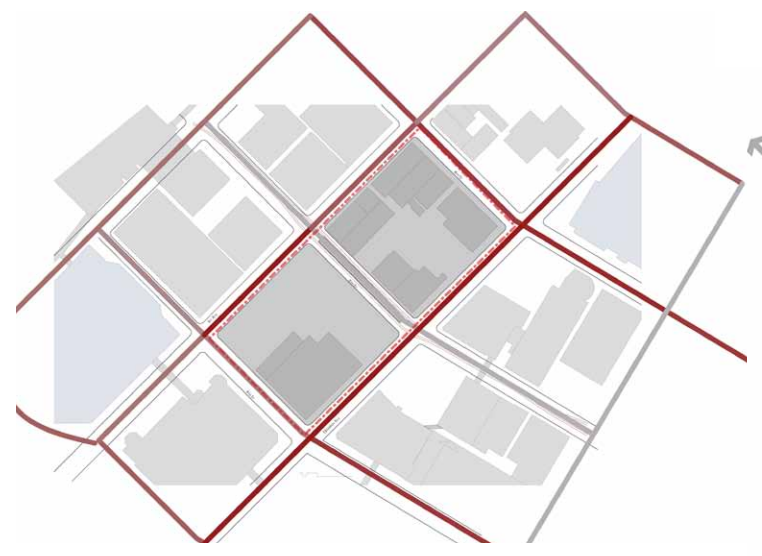
SELECTING A SMALLER SITE



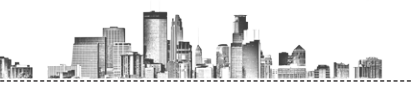
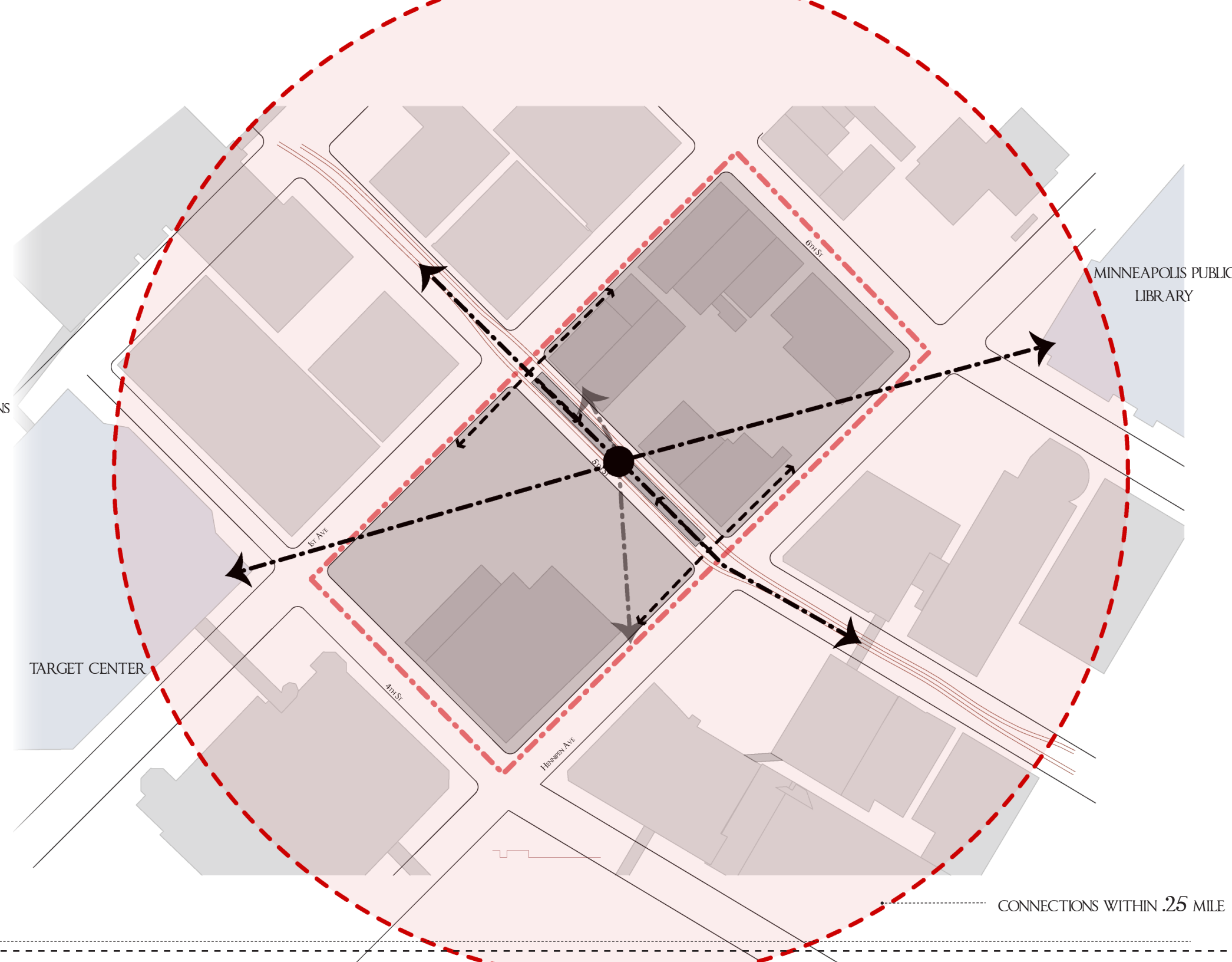
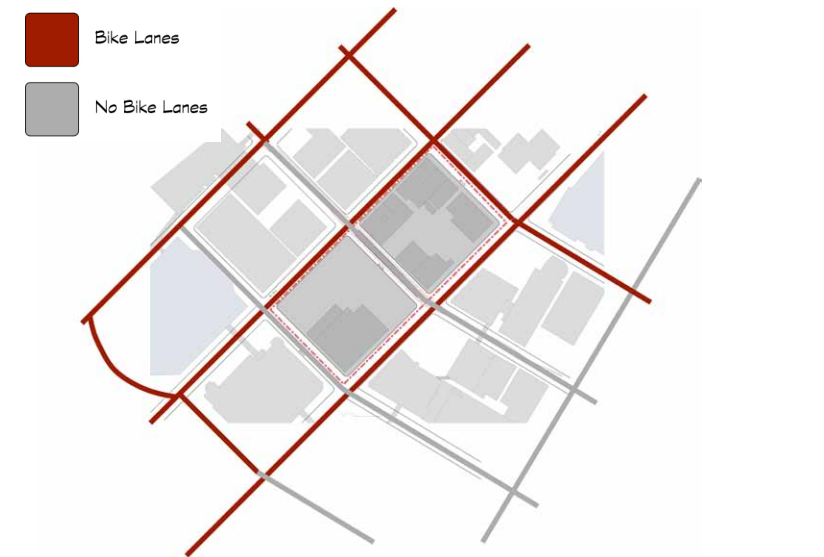
SITE ANALYSIS



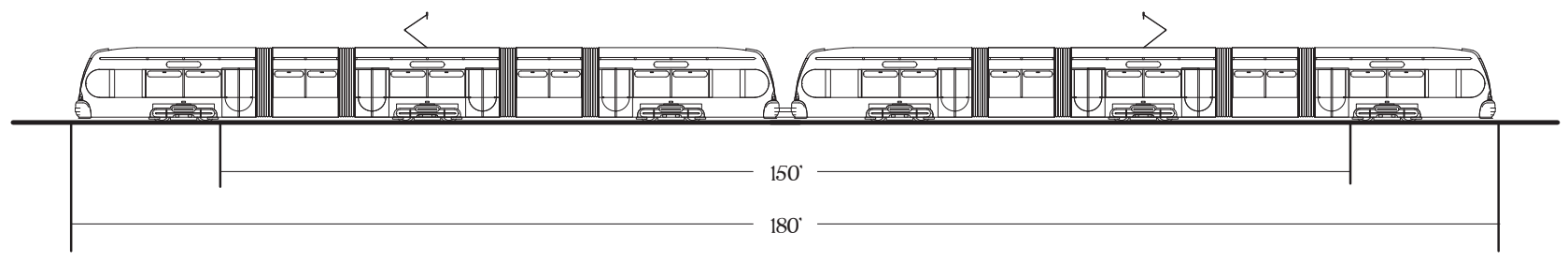
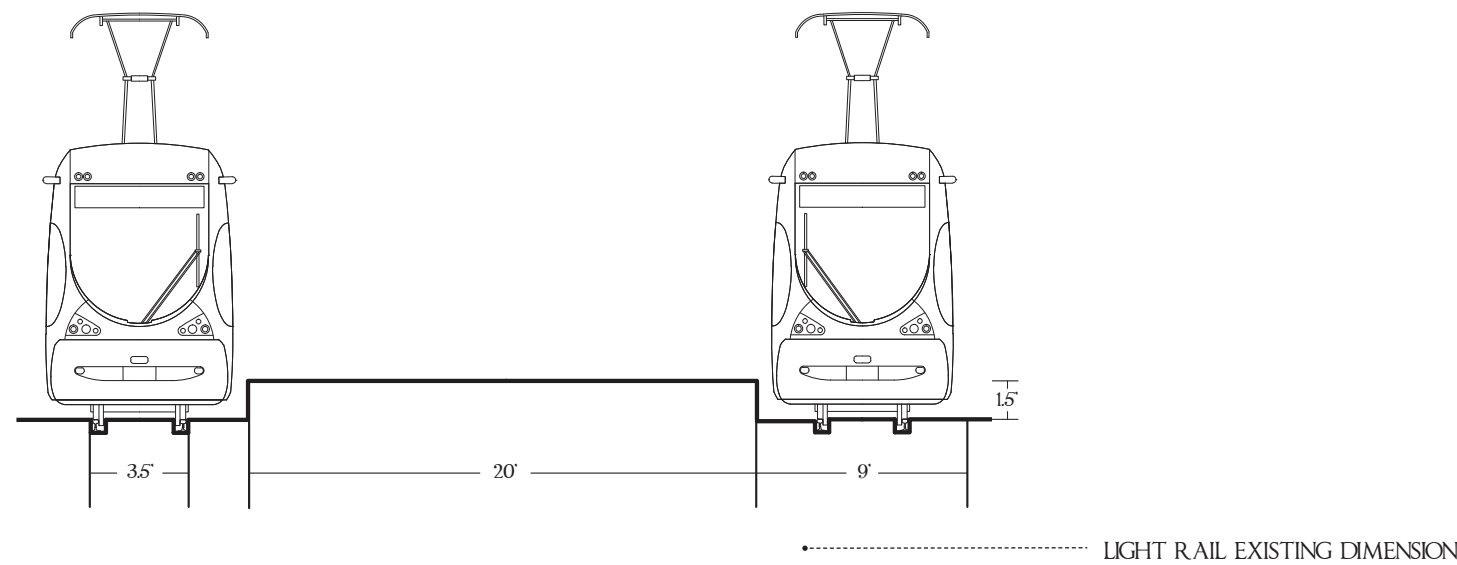
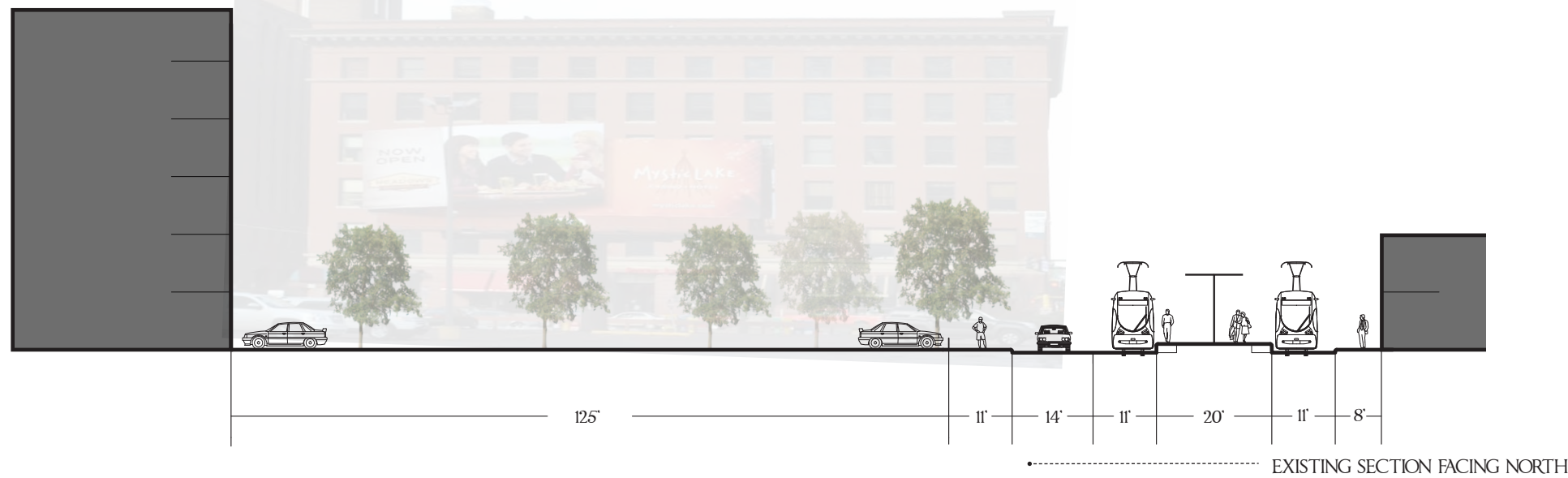
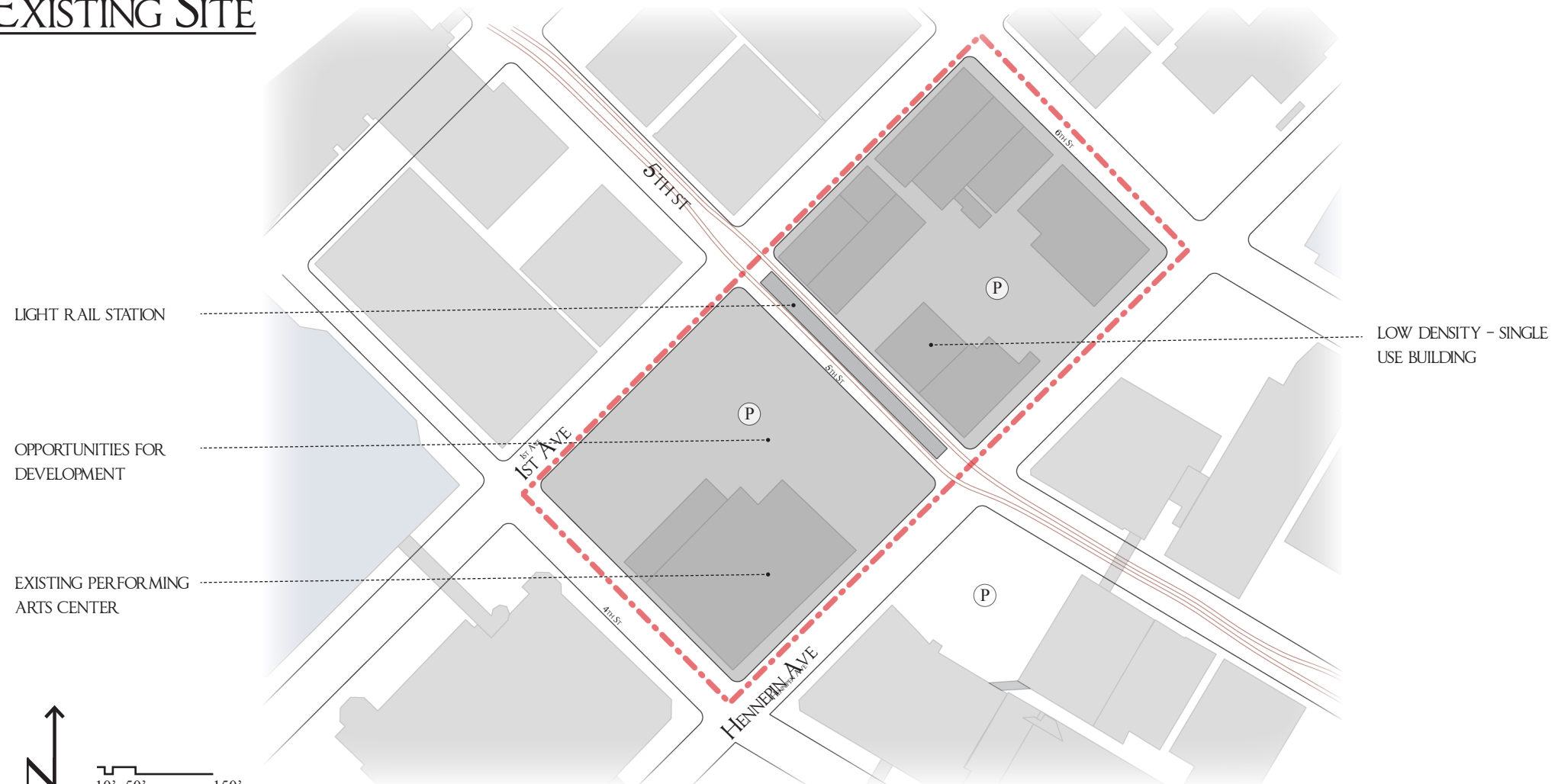
TWO-WAYS
ONE-WAYS



Bike Lanes
No Bike Lanes



EXISTING SITE



PROGRAM ELEMENTS

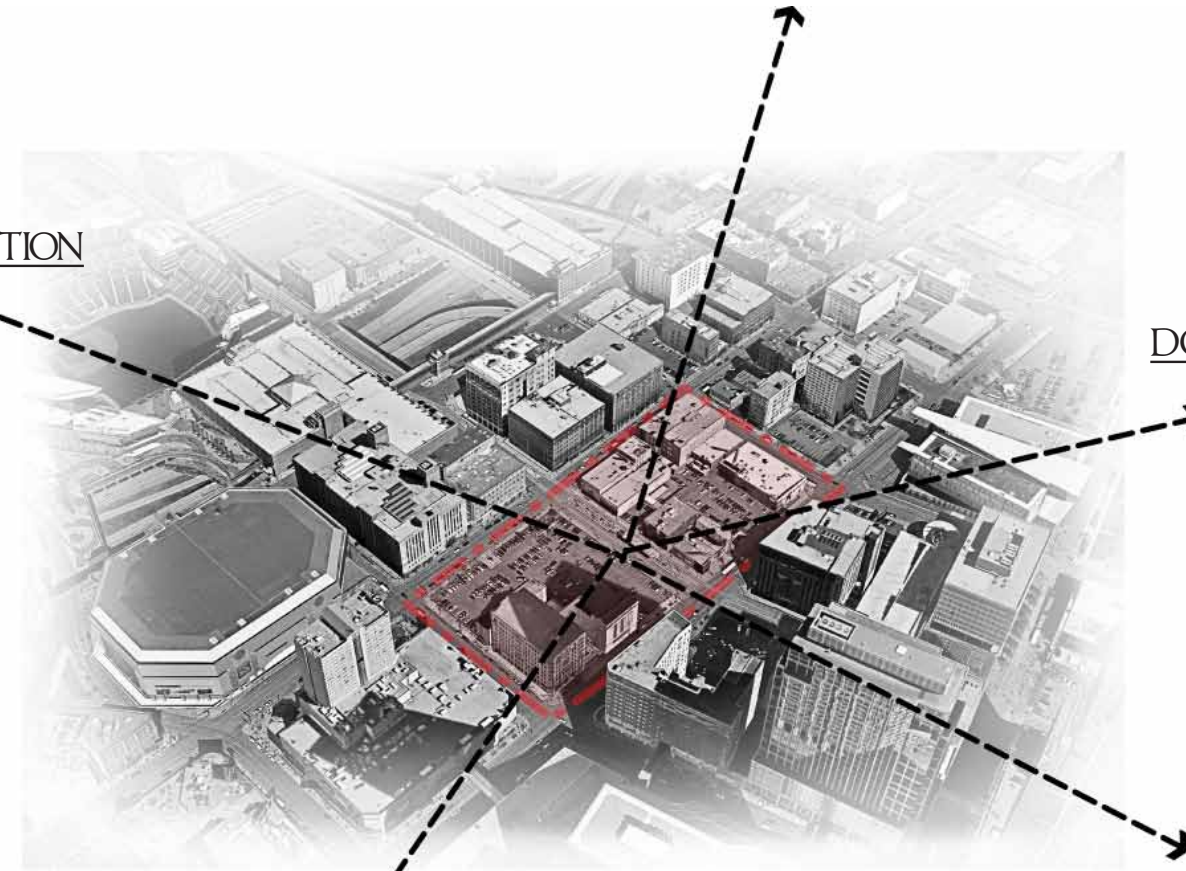
WAREHOUSE DISTRICT HISTORY

MATERIAL SELECTION

DOWNTOWN CULTURE

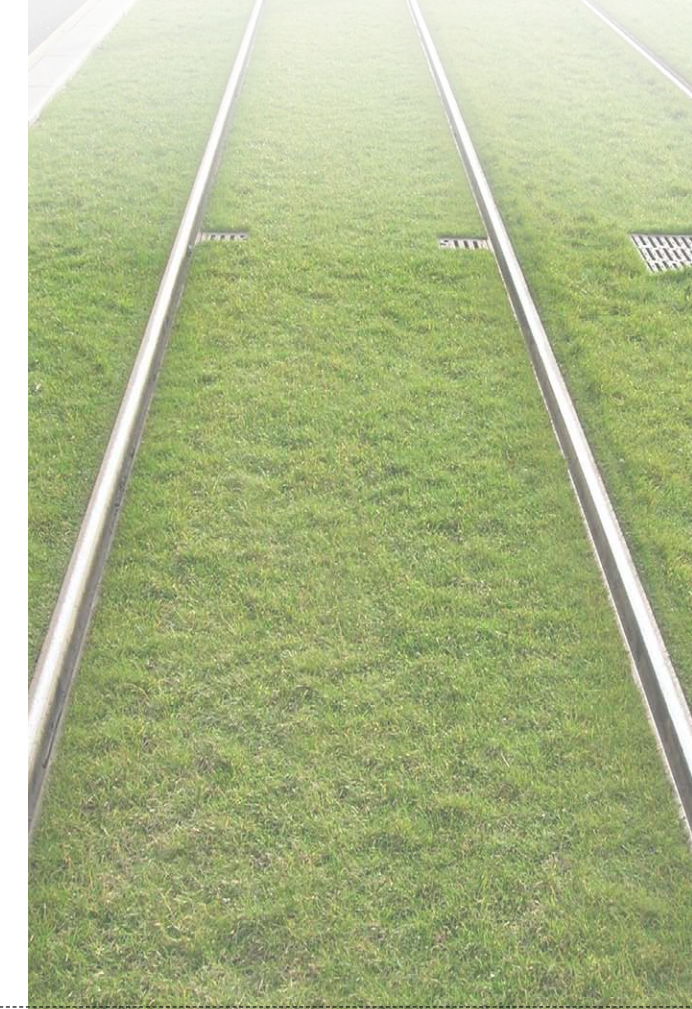
LIGHT RAIL CORRIDOR

DESTINATIONS



TRANSPORTATION

- PLATFORM DESIGN -
 - ENTERING, EXITING, RAMPS
- OVERHEAD SHELTER FOR PLATFORM
- BICYCLE LANES
- PRIORITIZE LIGHT RAIL AND PEDESTRIAN CONNECTIONS - DESTINATIONS AROUND SITE
- VEHICLE CIRCULATION -
 - REMOVAL OF VEHICLE CIRCULATION ON SITE
- REDUCE PARKING ON GROUND LEVEL OPPORTUNITIES UNDERGROUND



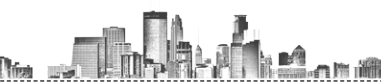
OPEN SPACE

- PLAZA / LINEAR PARK THROUGH SITE
- GREEN SPACE - LIMITED PARK SPACE IN DOWNTOWN, INCORPORATE INTO SITE DESIGN
- SPACE FOR INFORMAL SEATING
- AMPHITHEATER SEATING
- PERFORMANCE SPACE FOR ARTS AND ENTERTAINMENT DISTRICT
- CULTURAL CONNECTION TO WAREHOUSE DISTRICT - PUBLIC ART, SCULPTURES, ETC.
- VENDOR SPACE - DESTINATION FOR SURROUNDING WORKERS
- MAKE CONNECTIONS TO DESTINATIONS SURROUNDING SITE

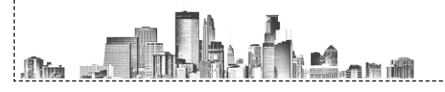
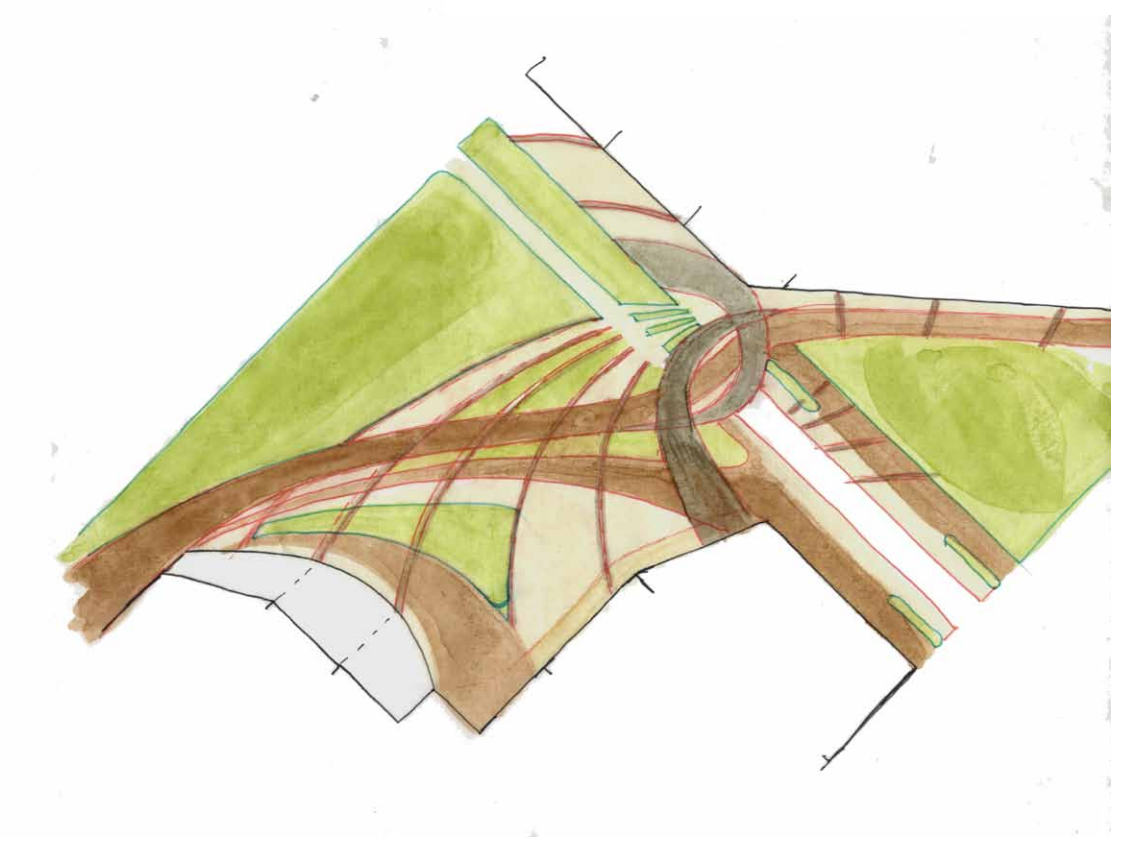
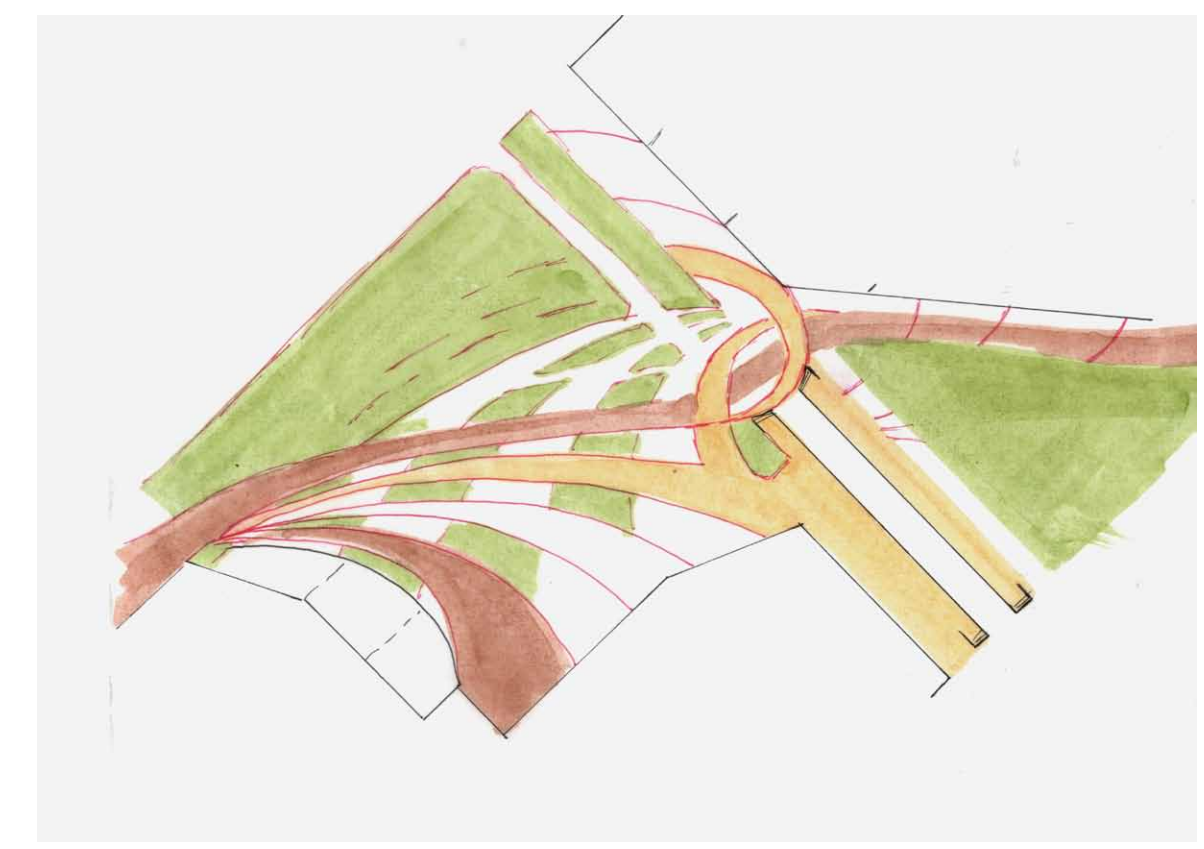
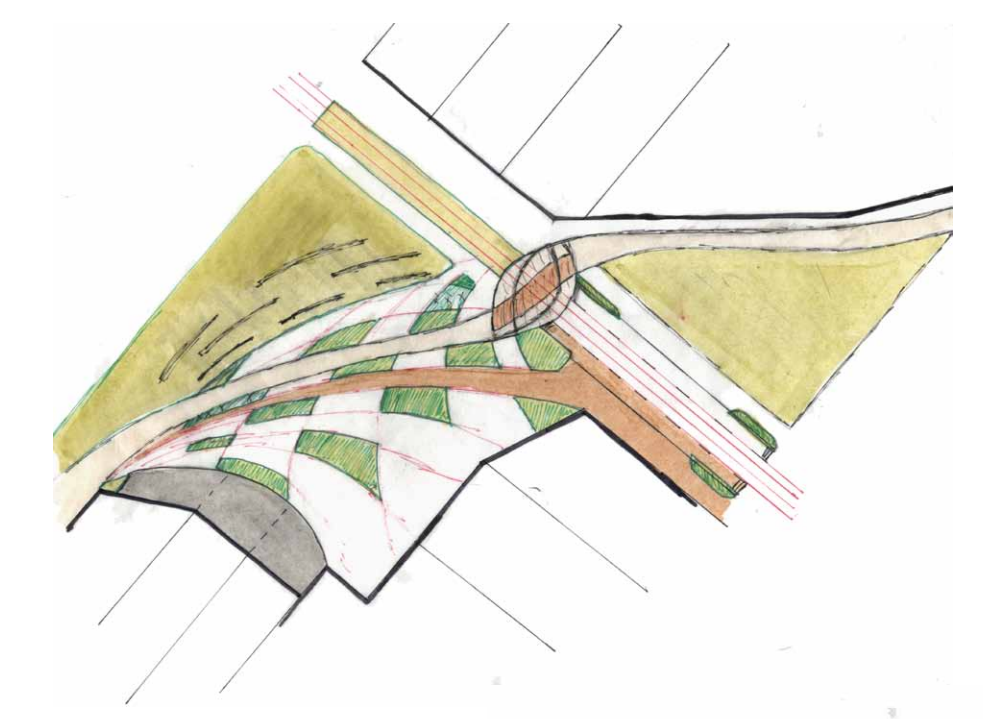
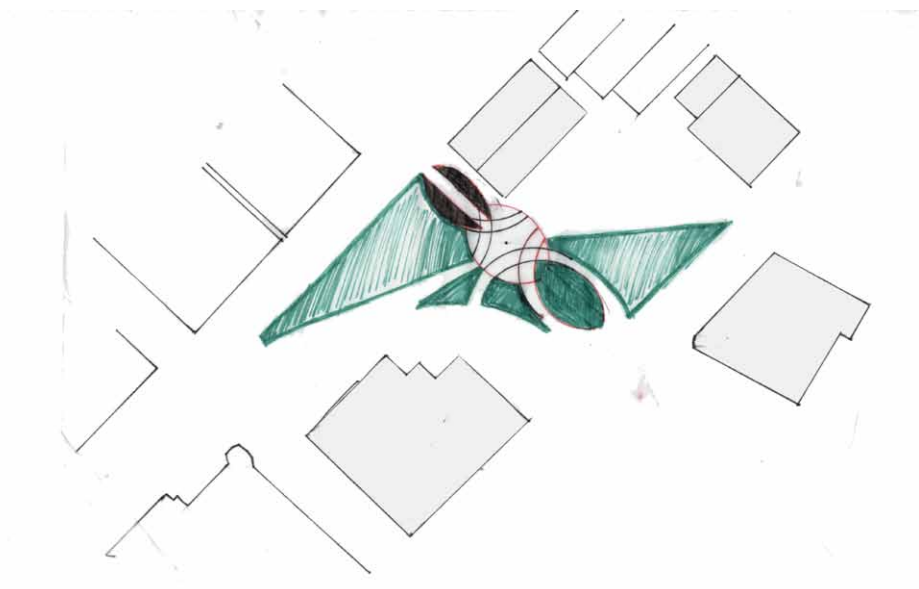
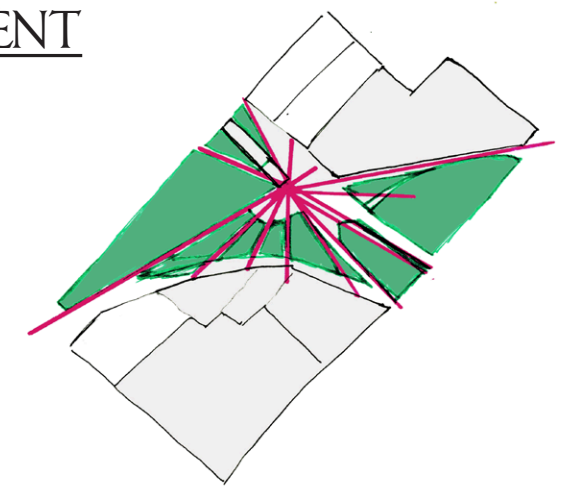


BUILDINGS

- MAXIMIZE RESIDENTIAL SPACES BY PROMOTING DENSITY
- FACE FRONTAGES TOWARDS LIGHT RAIL STATION - SENSE OF ENCLOSURE
- PRIVATE ZONES FOR SALES OR PATIO SEATING
- FACADES TO REPLICATE WAREHOUSE DISTRICT HISTORY
- MIX OF BUILDING USES ON MAIN FLOOR - RETAIL, RESTAURANTS, BARS, ETC
- UNDERGROUND PARKING WHERE POSSIBLE
 - BUILDING SIZES
 - 4-7 STORIES
 - 7,500 - 9,000 SQ. FT.



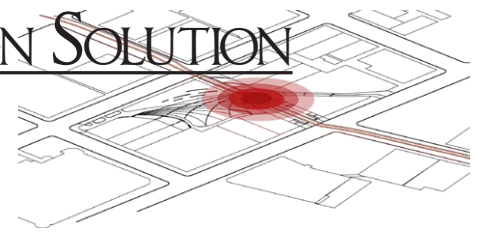
CONCEPTUAL
DEVELOPMENT



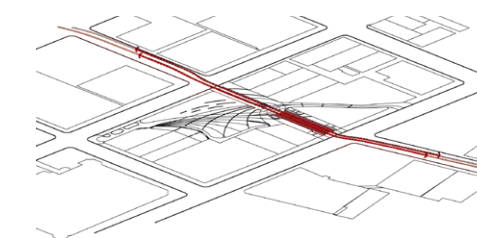
FINAL DESIGN SOLUTION

1

CENTRALIZED FOCUS

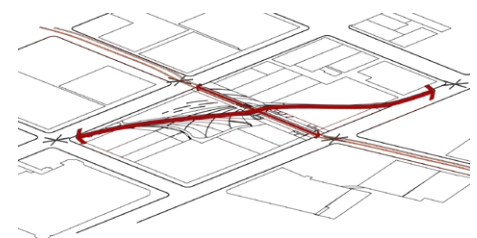


PRIORITIZE LIGHT RAIL

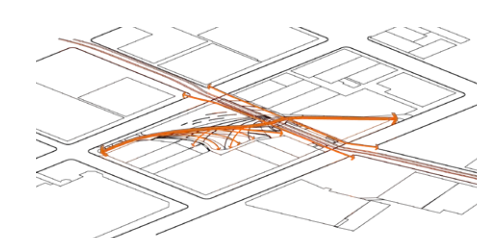


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SURROUNDING CONNECTIONS

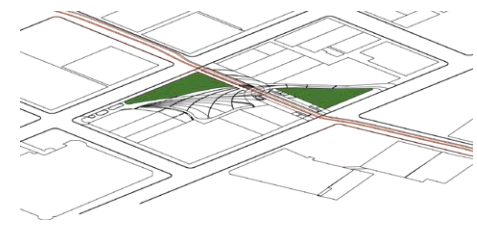


PEDESTRIAN CONNECTIONS

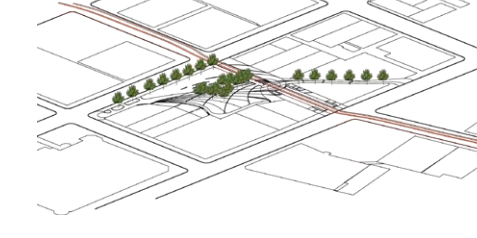


3

GREEN SPACE

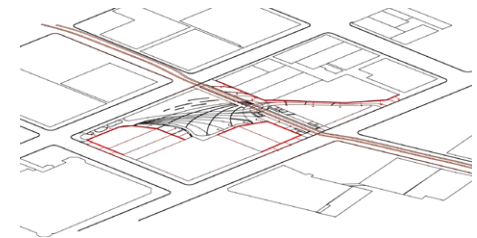


OVERHEAD CANOPY

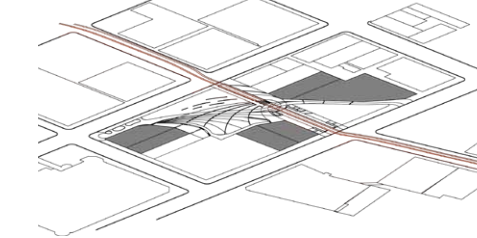


4

STORE FRONT INTERACTION



CREATE DENSITY

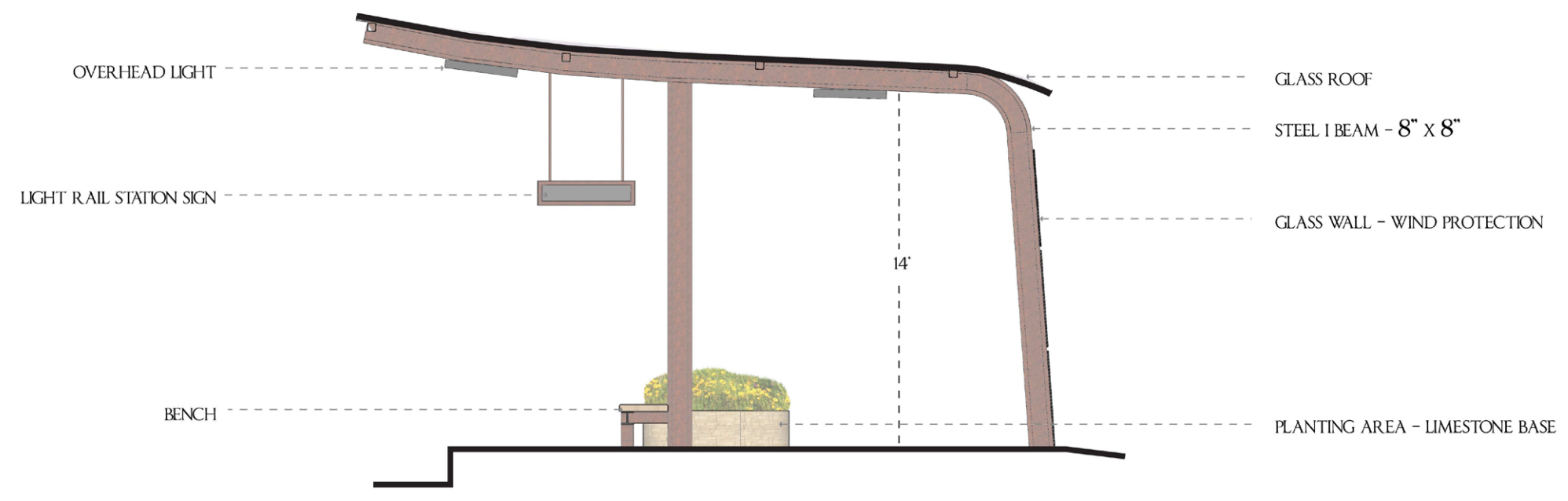
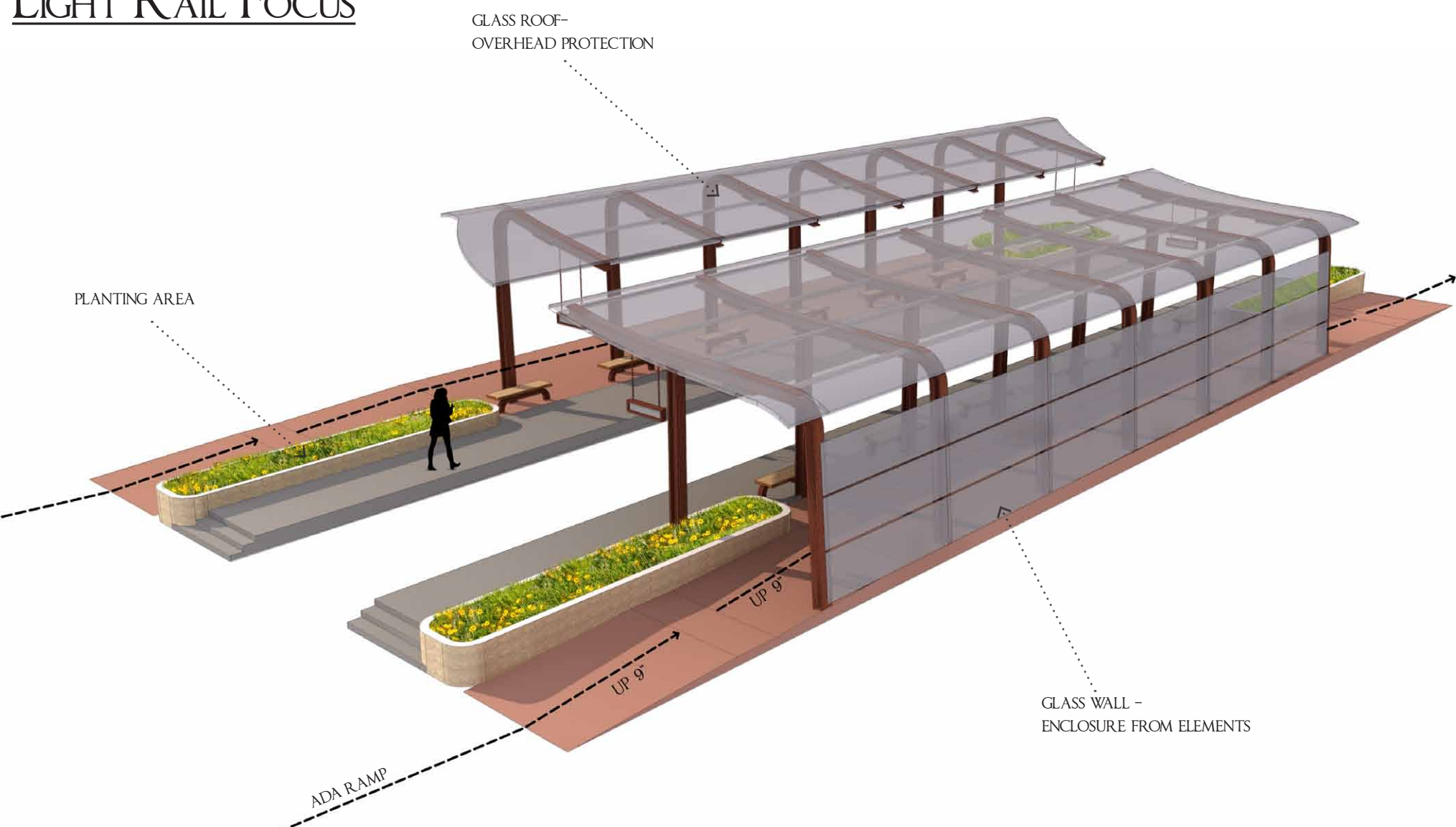


LEGEND:

- ① AMPHITHEATER SEATING IN TOPOGRAPHY
- ② PRIMARY PEDESTRIAN & LIGHT RAIL INTERSECTION
- ③ PASSIVE OPEN GREEN SPACE
- ④ LIGHT RAIL SHELTER & STOP
- ⑤ SKYLINE BACK DROP & WAREHOUSE DISTRICT SIGN
- ⑥ PERFORMANCE SPACE
- ⑦ INFORMAL SEATING AREA
- ⑧ PATIO SPACE
- ⑨ PROPOSED NEW BUILDING
- ⑩ GREEN RAILS



LIGHT RAIL FOCUS

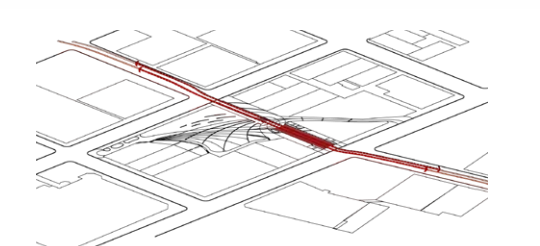
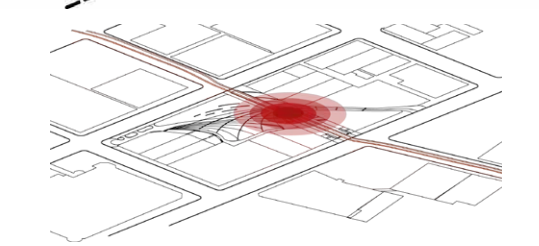


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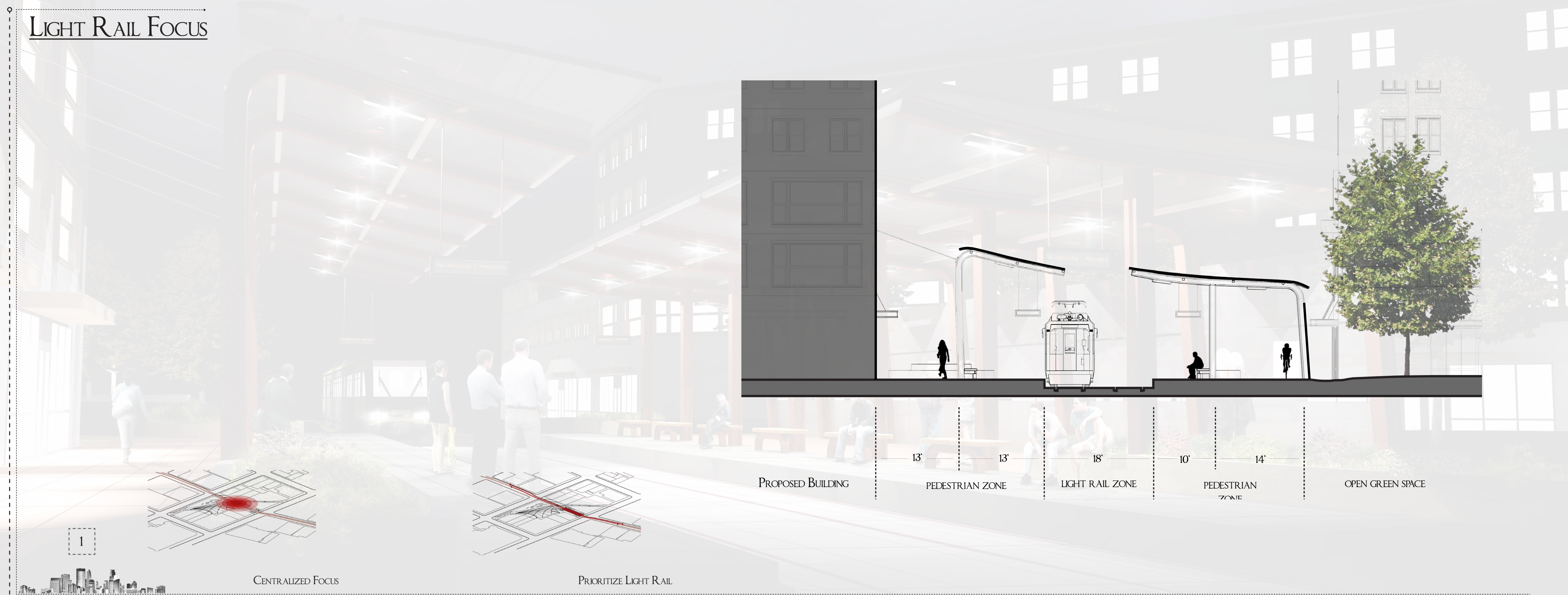


CENTRALIZED FOCUS

PRIORITIZE LIGHT RAIL



LIGHT RAIL FOCUS



PROPOSED BUILDING

13'

PEDESTRIAN ZONE

13'

LIGHT RAIL ZONE

18'

PEDESTRIAN ZONE

10'

OPEN GREEN SPACE

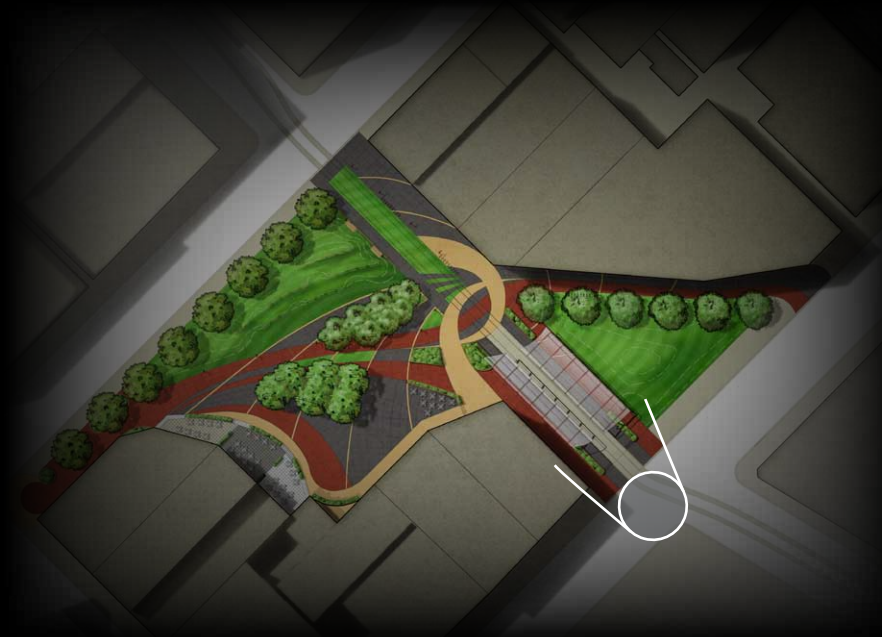
14'

1

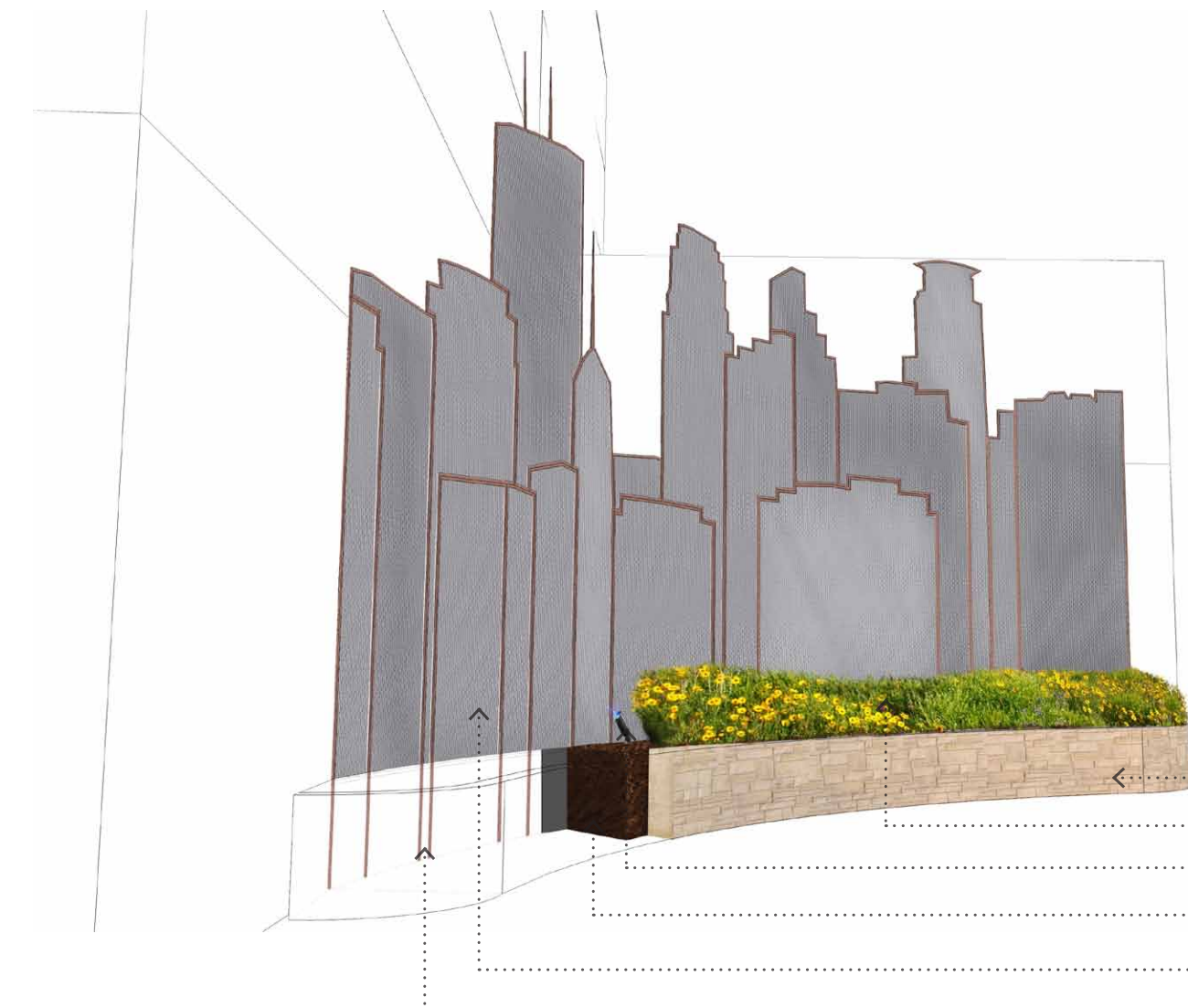
CENTRALIZED FOCUS

PRIORITIZE LIGHT RAIL

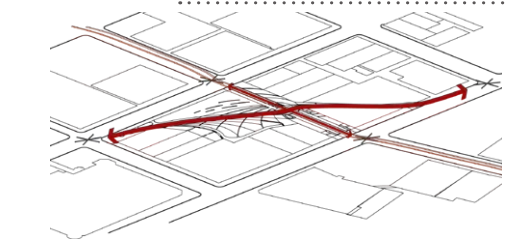




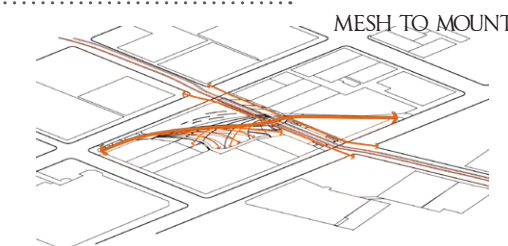
PEDESTRIAN CONNECTIONS



- LIMESTONE BRICKS
- PLANTING AREA
- HIDDEN UP LIGHTING - CHANGING COLORS
- SOIL BASE
- METAL MESH
- 2" BY 2" METAL SUPPORTS FOR MESH TO MOUNT ON



SURROUNDING CONNECTIONS



PEDESTRIAN CONNECTIONS

2

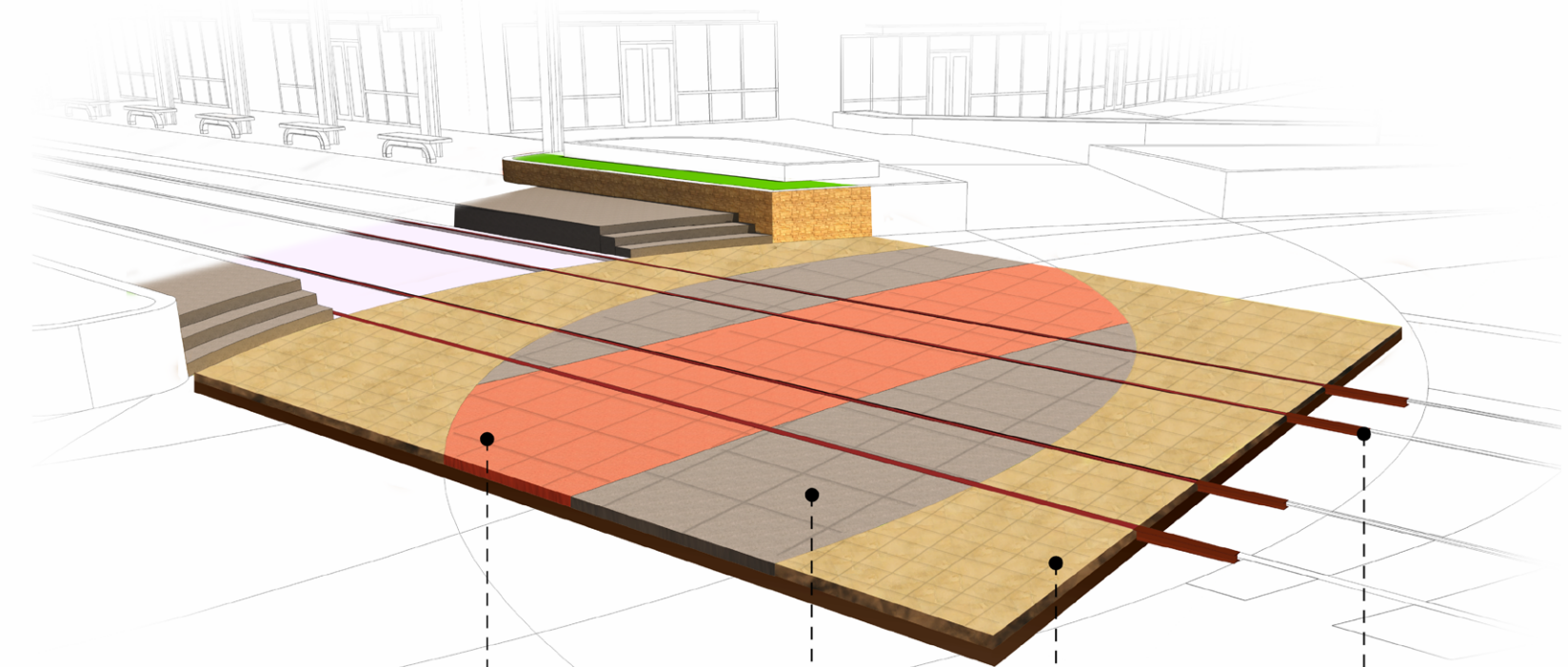


PERFORMANCE SPACE

VIEW OF PERFORMANCE SPACE WITH SKYLINE BACK DROP:
PERSPECTIVE FACING WEST



PEDESTRIAN CONNECTIONS

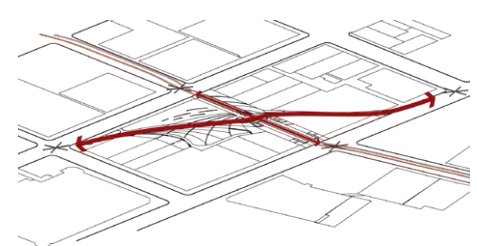


COLORED CONCRETE:
DARK RED

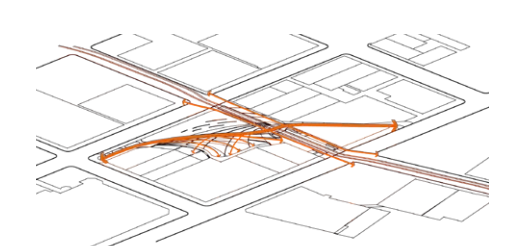
COLORED CONCRETE:
DARK GREY

LIMESTONE

RAIL TRACKS



SURROUNDING CONNECTIONS



PEDESTRIAN CONNECTIONS

2

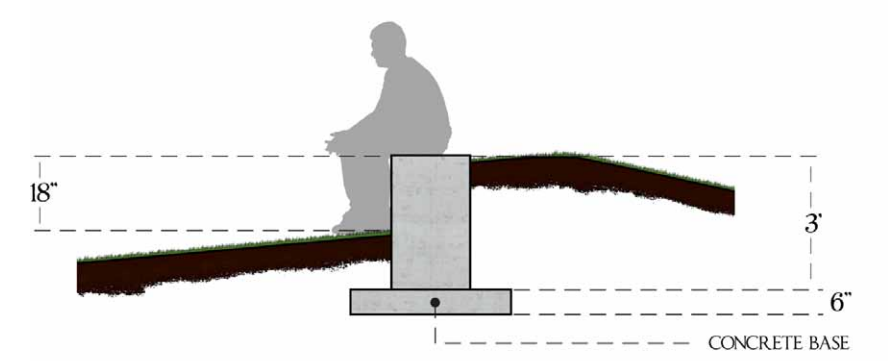


EVENING GLOW

VIEW OF PROPOSED LIGHTING IN THE PEDESTRIAN CIRCULATION AREAS:
PERSPECTIVE FACING EAST



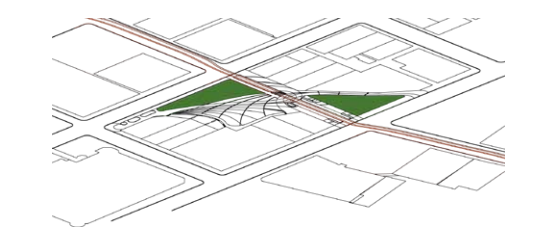
GREEN SPACES



SEATING DETAIL



PROPOSED BUILDING PEDESTRIAN ZONE RAMP PLANTER PEDESTRIAN ZONE GREEN SPACE BUILT IN SEATING SIDEWALK

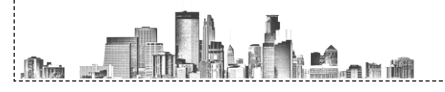


GREEN SPACE



OVERHEAD CANOPY

3

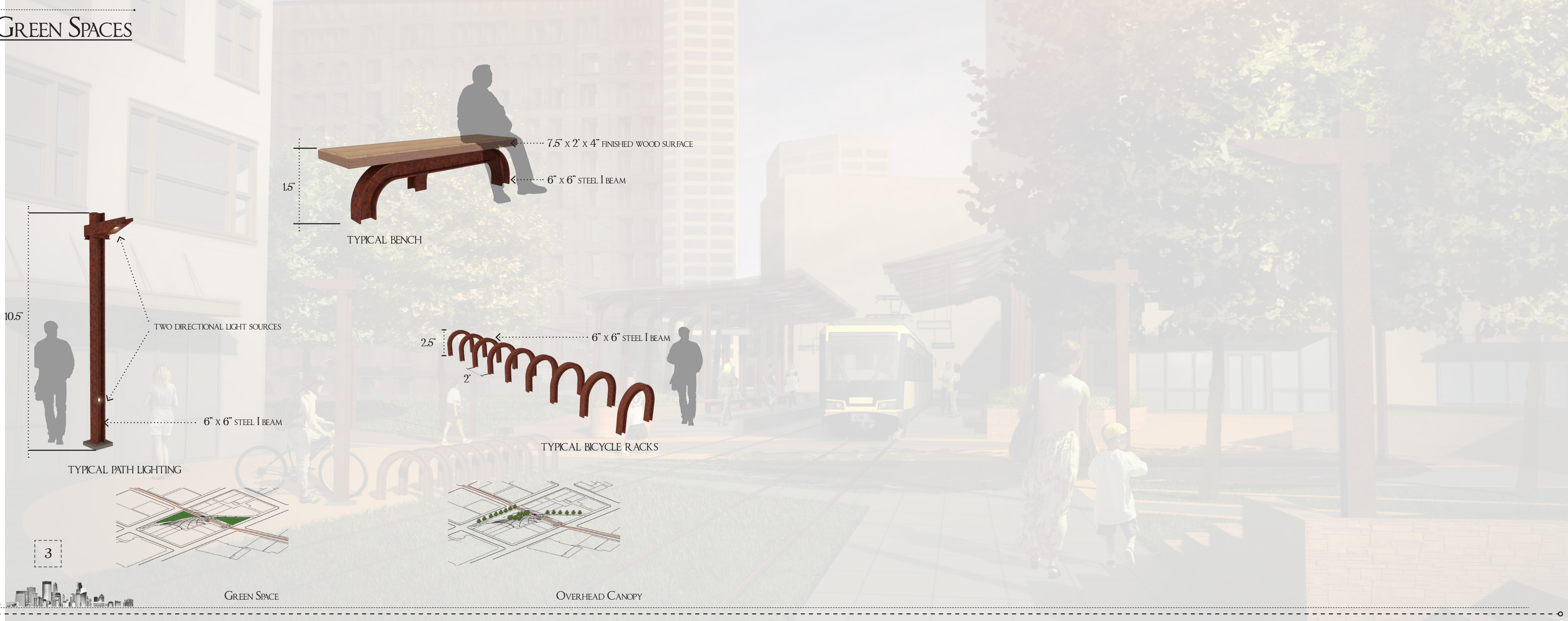
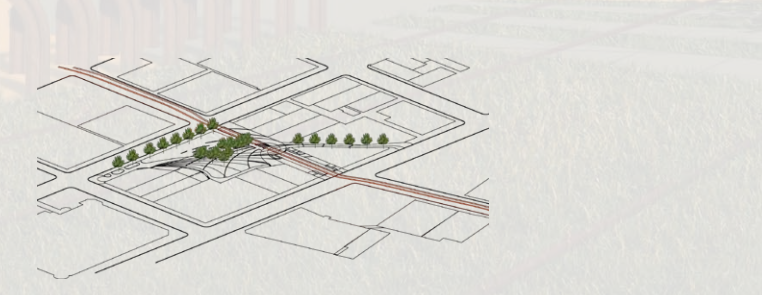
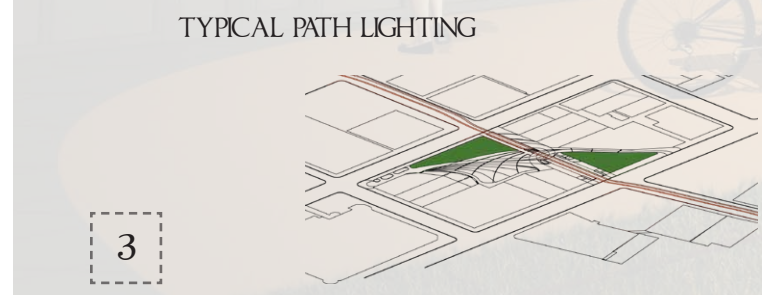
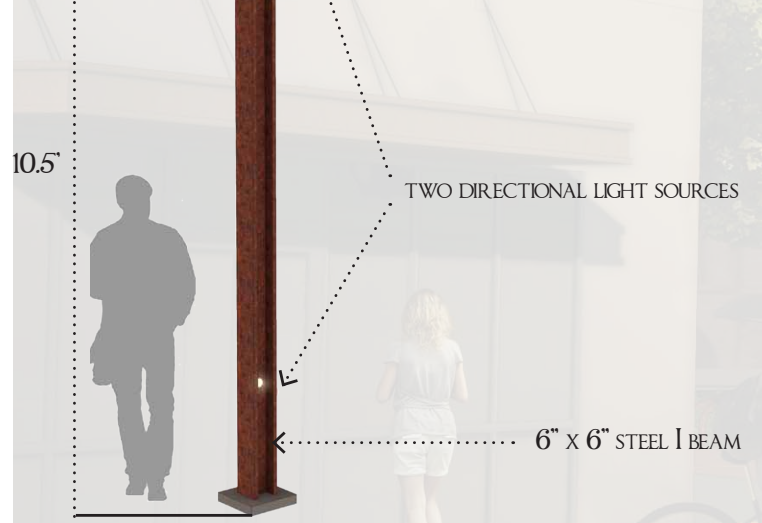


GREEN SPACE SEATING

VIEW OF BUILT IN GREEN SPACE SEATING: PERSPECTIVE FACING WEST



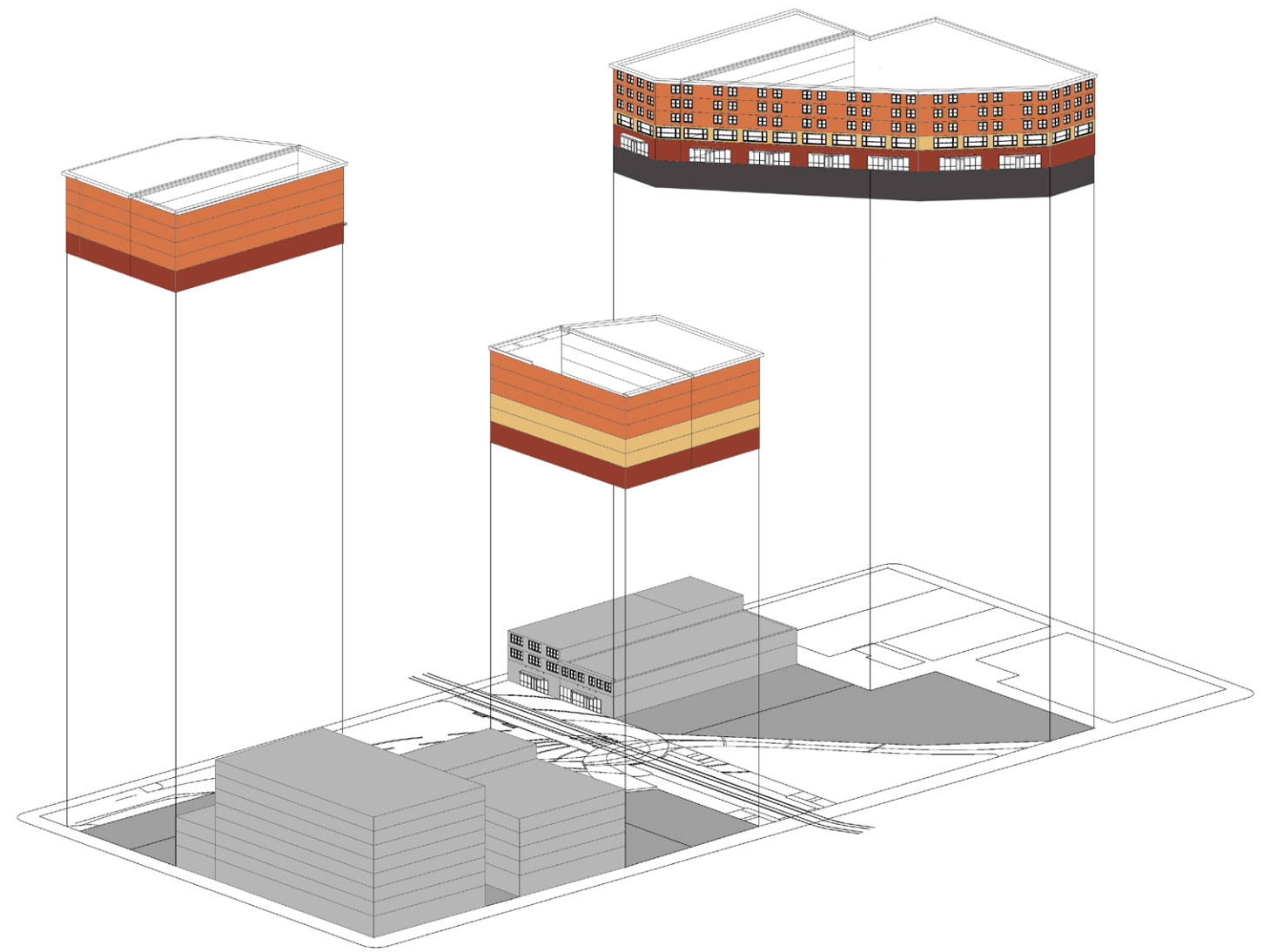
GREEN SPACES





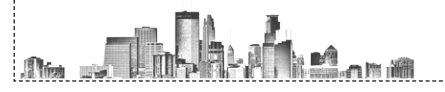
INFRASTRUCTURE INFILL

- RESIDENTIAL
- OFFICE
- RETAIL
- UNDERGROUND PARKING
- EXISTING BUILDINGS

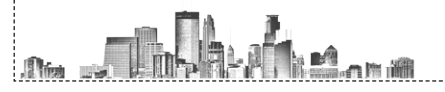
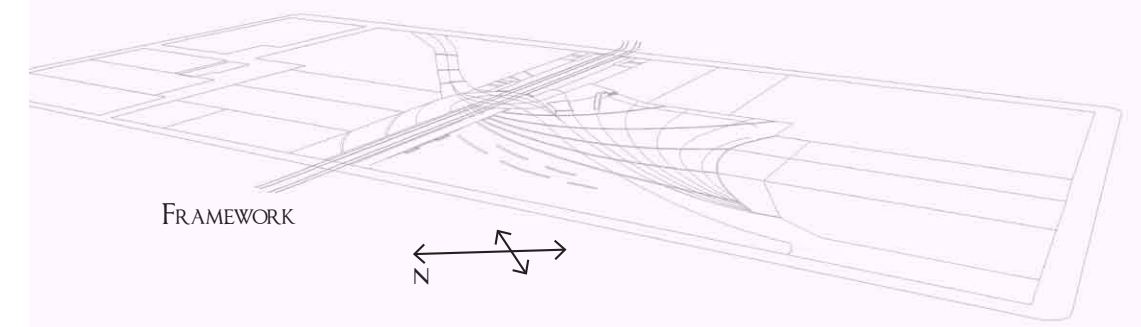
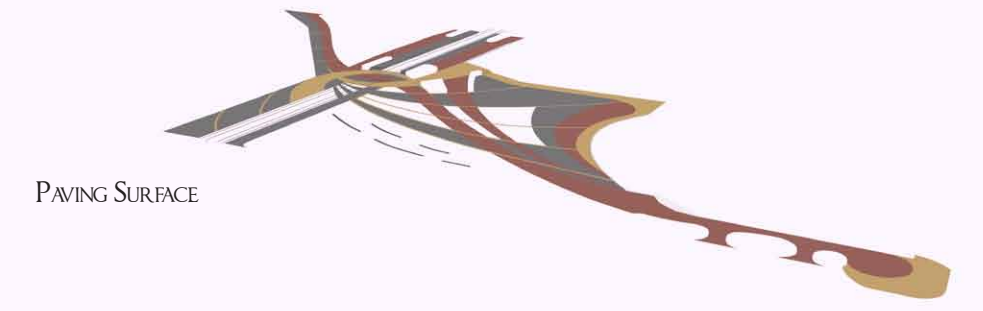
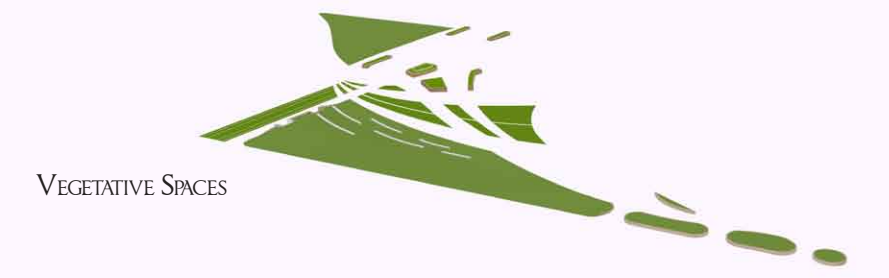
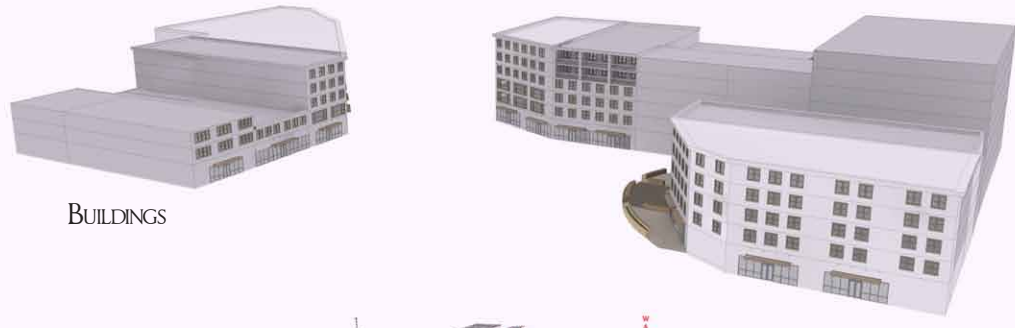


STORE FRONT INTERACTION

CREATE DENSITY



CONCLUSION





QUESTIONS -