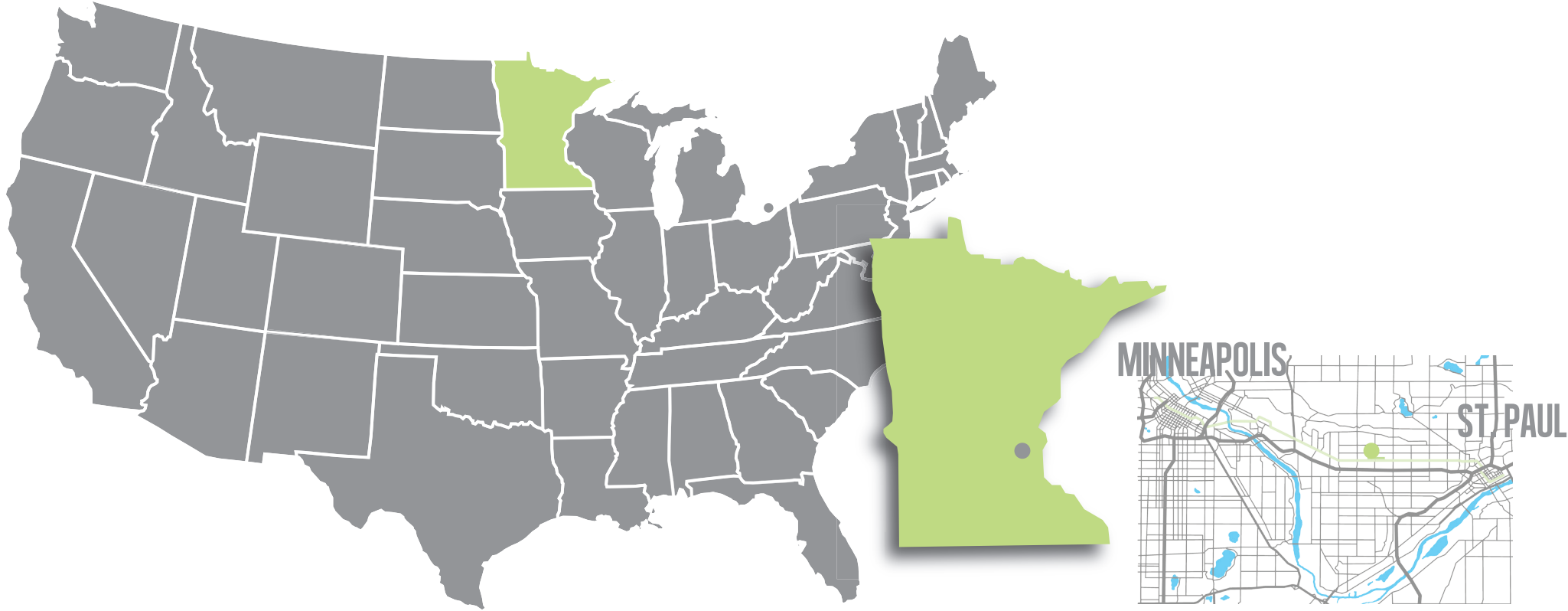


# EMERGING CONNECTIONS

DEVELOPING TRANSIT CORRIDORS IN MINNEAPOLIS - ST. PAUL  
NORTH DAKOTA STATE UNIVERSITY | AUTUMN 2013 | NATHAN W. STOTTLER & COLBY L. JUDOVSKY



## SITELOCATION



## THEORETICAL PREMISE

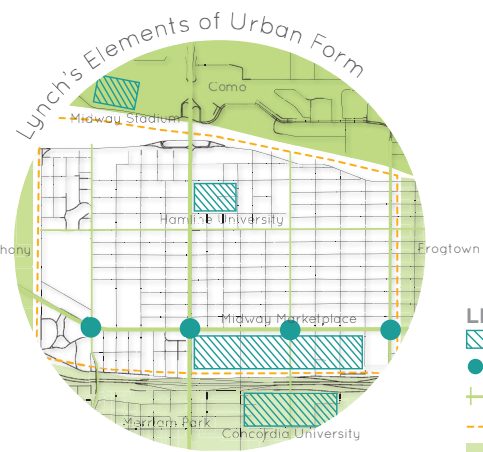
Our work explores the design of a public square and transit station at the intersection of University Avenue and Hamline Avenue in the Hamline-Midway neighborhood of St. Paul, Minnesota. Our focus is on responding to the need for transit-oriented development (TOD) through the exploration of the neighborhood placemaking principles of identity and growth. This focus upon identity and growth at the neighborhood scale allows us to define methods for improving transit corridor connections between major urban centers. Our secondary focus is on the collaboration of architecture and landscape architecture and how they work together to accomplish environmental design goals.

## PROBLEM STATEMENTS

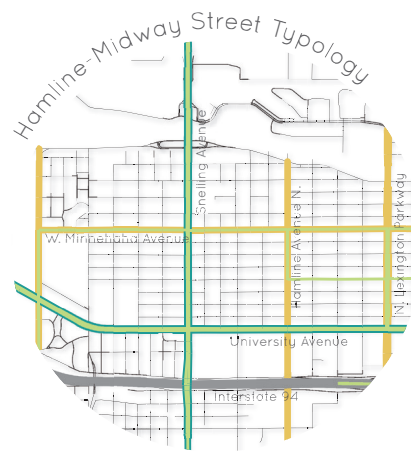
How can the design of a public square and transit station influence the growth of transit-oriented development in a historically transit-based neighborhood?

What defines identity, and how can environmental design capitalize on it to influence transit-oriented development in a historically transit-based neighborhood?

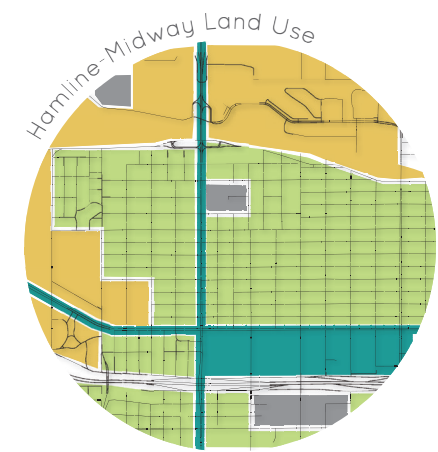




- LEGEND**
- Landmarks
  - Nodes
  - Paths
  - Edges
  - Districts



- LEGEND**
- Commercial Corridor
  - Historic Railcar Route
  - Primary Residential
  - Secondary Residential
  - Interstate



- LEGEND**
- Residential
  - Commercial
  - Industrial
  - Institutional

# SITE ANALYSIS

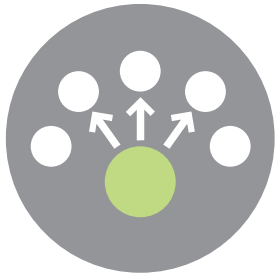








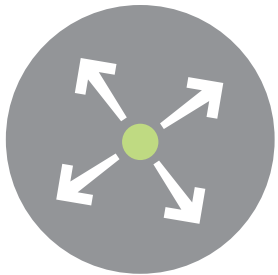




MIX OF CHOICES



LOCATION  
EFFICIENCY



PLACE-NODE TENSION  
RESOLUTION



VALUE CAPTURE



PLACE-MAKING



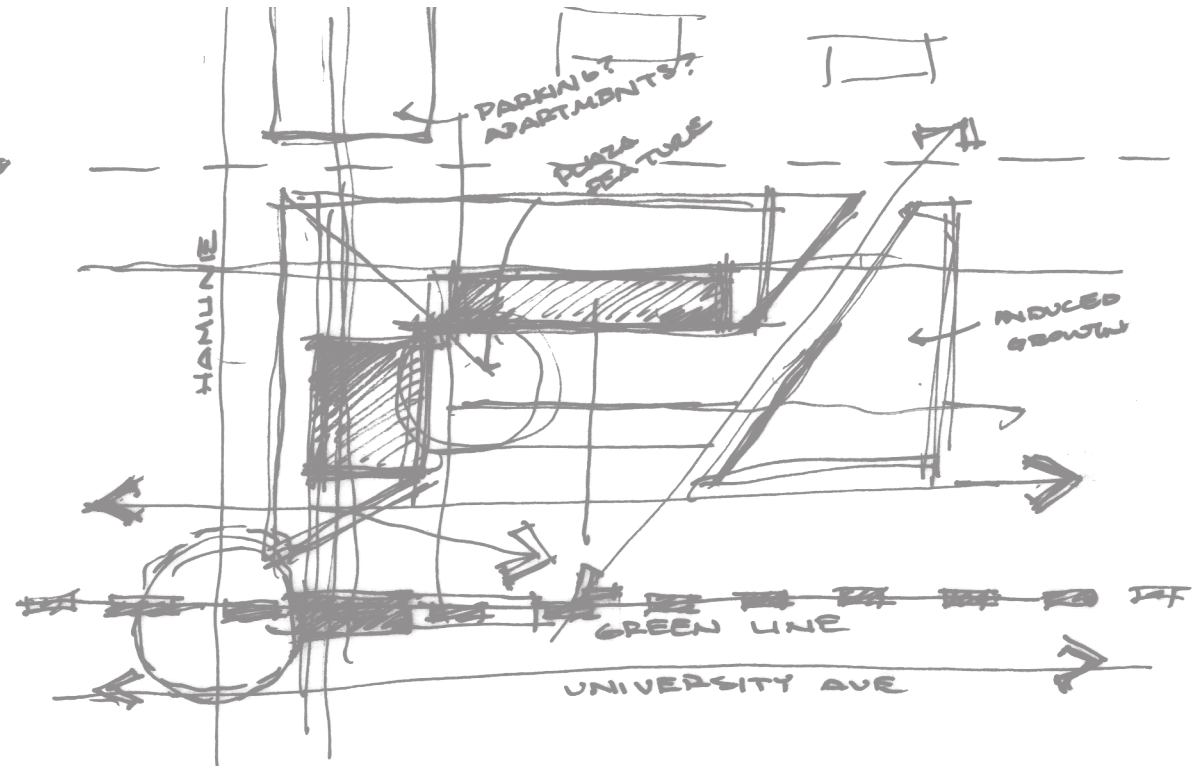
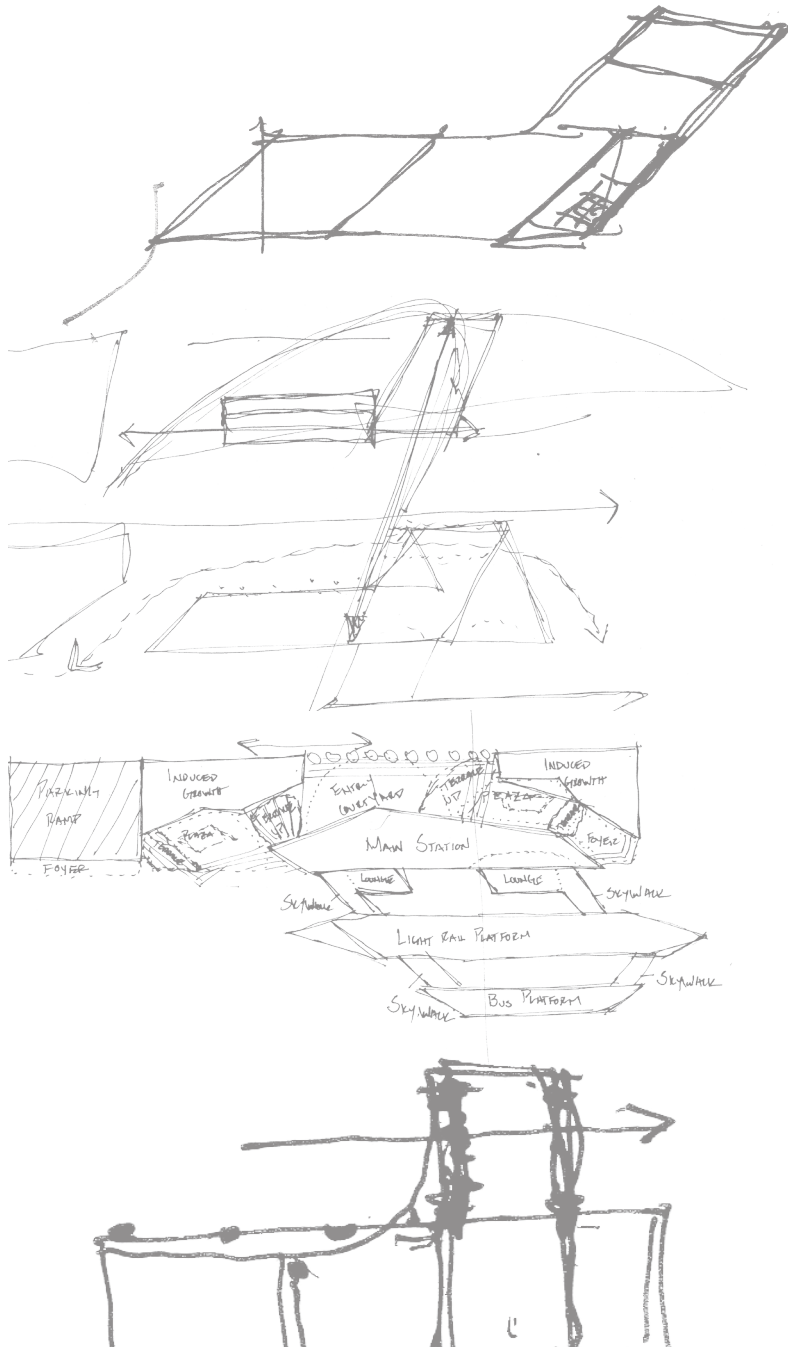


# VISIONING PLAN

Though our design is a site-scale intervention, its intention is the creation of growth and identity in Hamline-Midway. This Visioning Plan displays the development zone (green underlay) surrounding our site that our design will influence. It shows the existing amenities in this development zone and projects the patterns in which the induced growth of the TOD will occur.

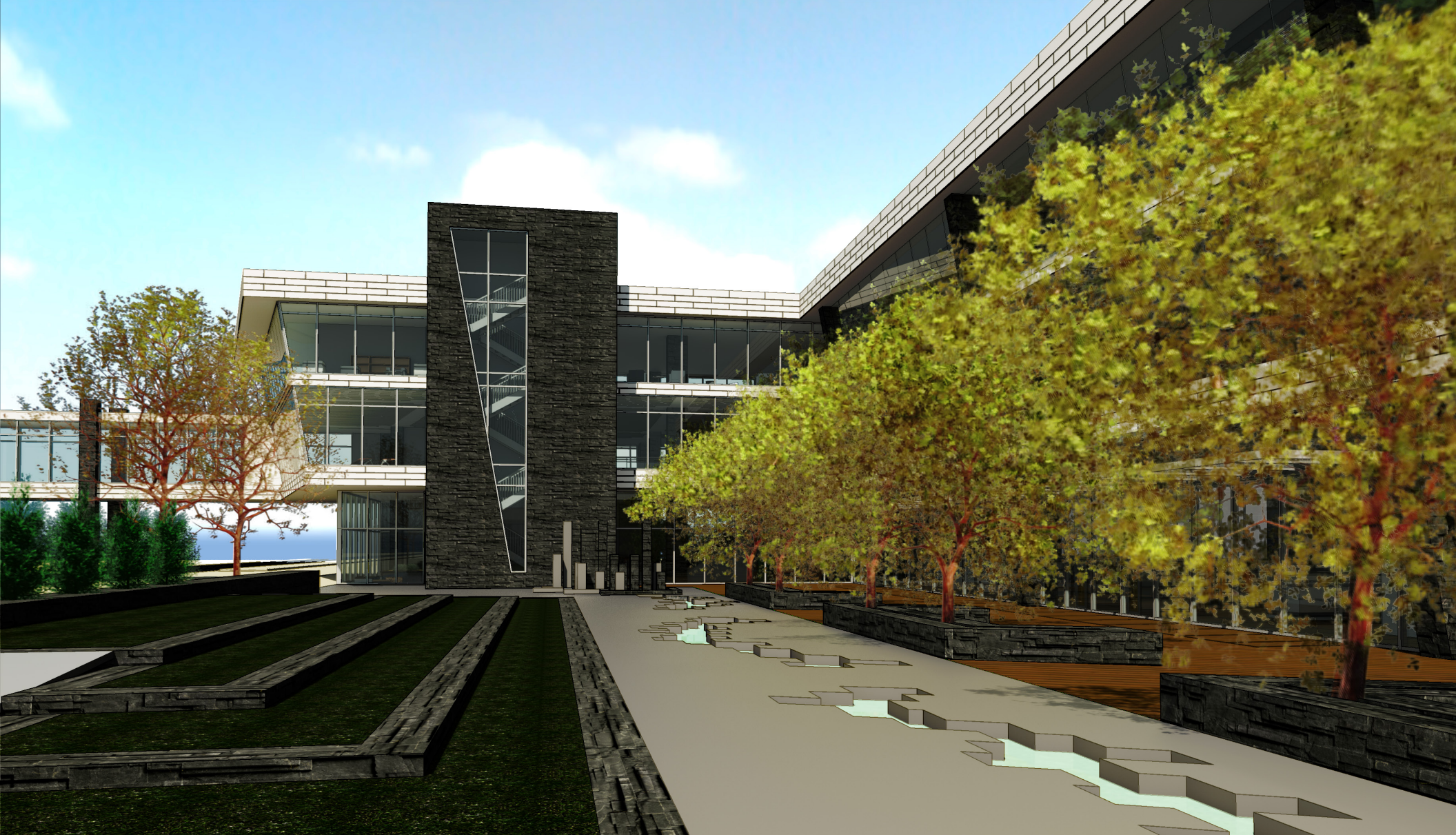
- LEGEND**
- Existing Educational or Religious Asset
  - Expected Induced Growth
  - Current and Proposed Bus Route
  - 🚏 Bus Stop
  - Current Green Line Light Rail
  - Proposed Green Line Light Rail
  - Proposed Bike Lane
  - 🚲 Bike Share Station
  - 🎓 Educational Institution
  - ⛪ Religious Institution

# COLLABORATIVE PROCESS



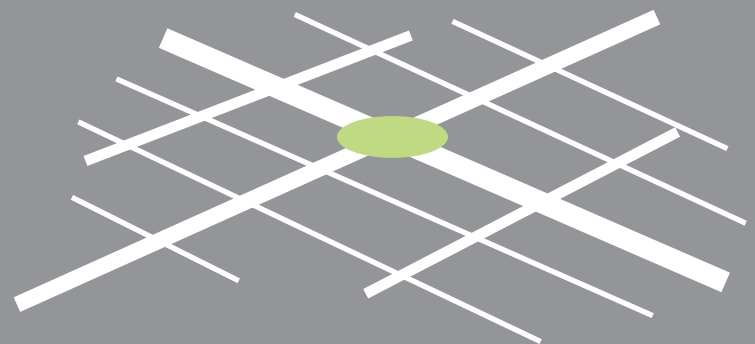
The collaborative effort on our thesis was highlighted not by the separate duties we each took on as joint designers, but by the tasks we accomplished collectively. Site selection, conceptual work, layout development, and foundational programming were not separated into 'architecture' and 'landscape architecture' duties. Instead, we worked together as environmental designers to create a place that reads as one unified design. It was not until the development of site forms - the step after programming - that we took on our respective roles as architect and landscape architect. Even as we moved forward with specialized tasks, we continually consulted each other on our design decisions, and constantly revised our plans through discussion with each other. The collaboration was not always smooth - we encountered disagreements at nearly all stages of the design. Yet through our combined experiences, we were able to identify the better answer - or compromise - in every difficult decision.





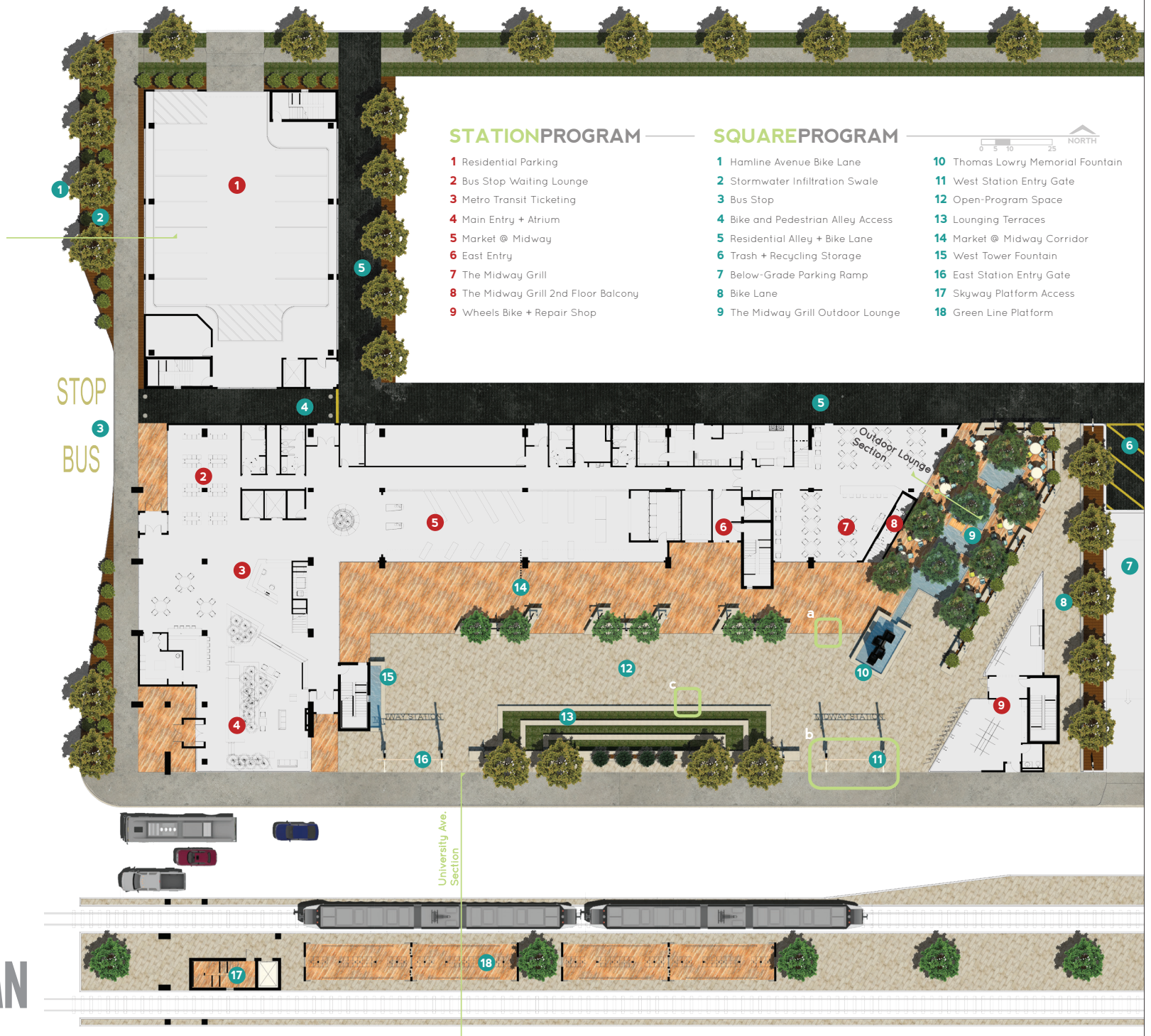
**MIDTERM**DEVELOPMENT

Parti Diagram | Path and Node

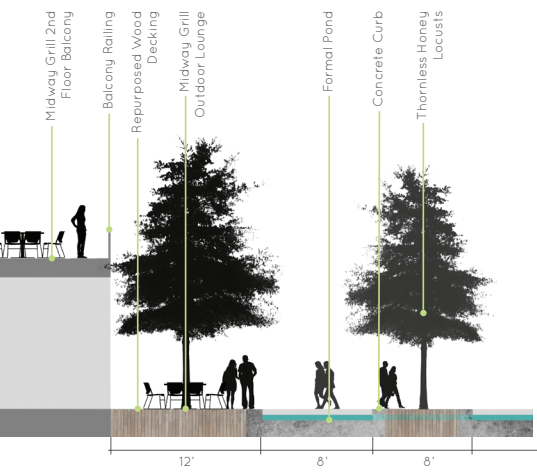




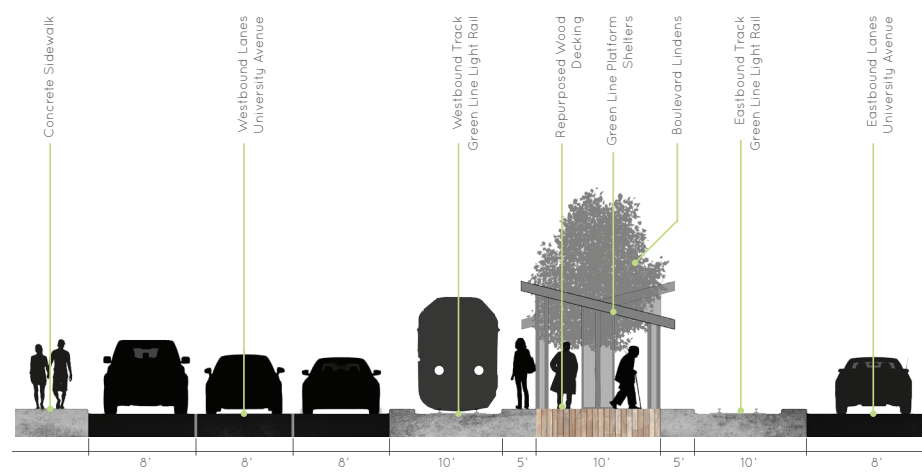
# MASTERPLAN



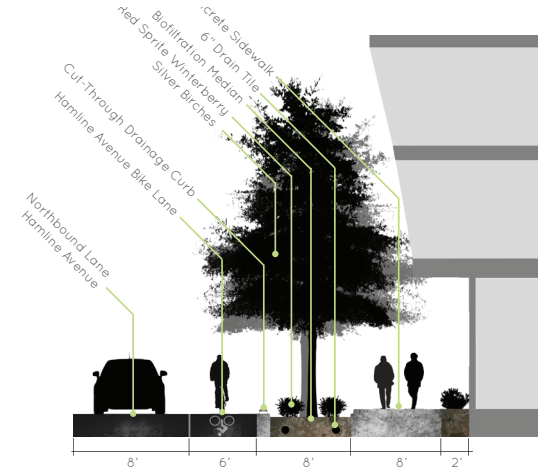




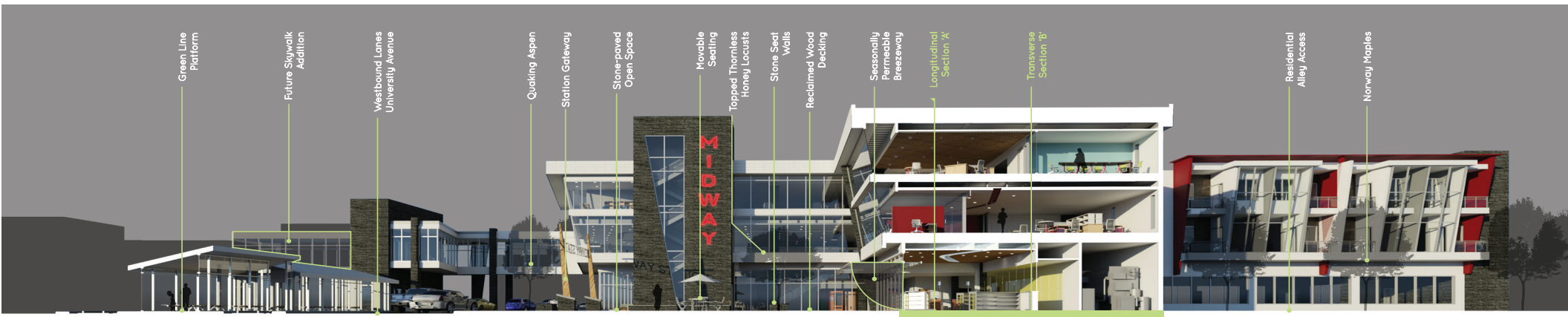
**OUTDOOR LOUNGE SECTION**



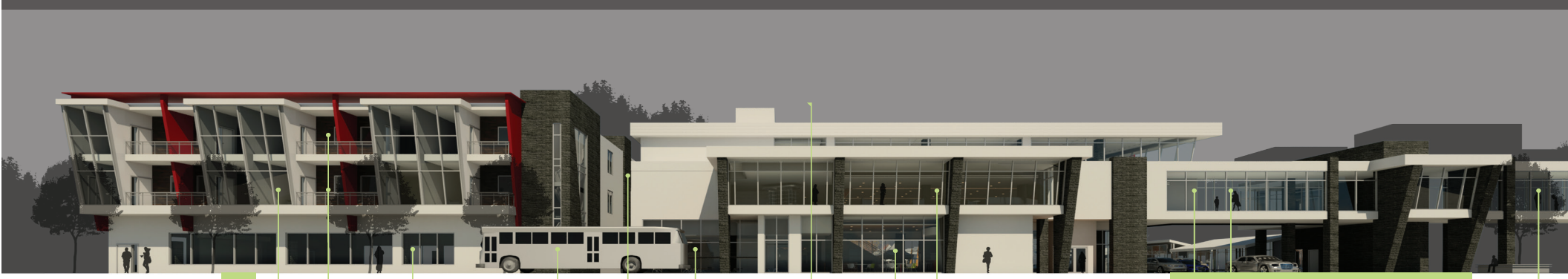
**UNIVERSITY AVE SECTION**



**BIOFILTRATION SECTION**



**EAST SECTION-ELEVATION**  
Transverse Section 'B'



**WEST ELEVATION**

- Biofiltration Section
- Studio Apartments
- Private Apartment Balconies
- Enclosed Parking
- Metro Transit Bus Stop
- Skywalk Connection
- Metro Transit Bus Passenger Waiting Area
- Longitudinal Section 'A'
- Indoor Planted Atrium
- Passenger Lounge
- Skywalk to Platform
- Green Line Platform
- University Avenue Section
- Skywalk across University Avenue





# MARKET @ MIDWAY CORRIDOR





**THOMAS LOWRY MEMORIAL FOUNTAIN**





**THE MIDWAY GRILL OUTDOOR LOUNGE**





**SPRING AT MIDWAY STATION**





# SUMMER AT MIDWAY STATION





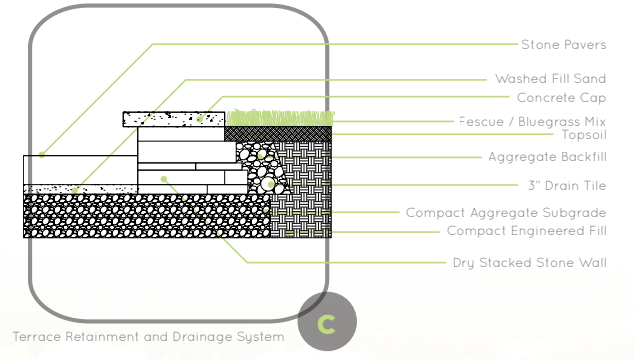
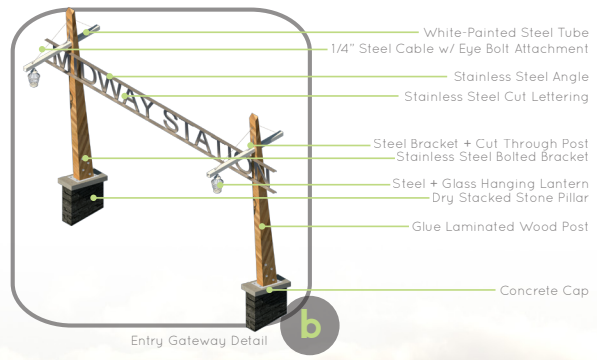
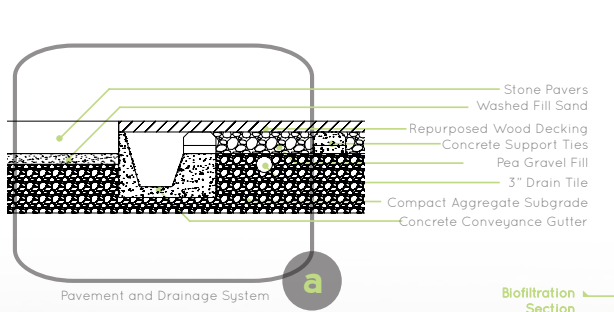
FALL AT MIDWAY STATION



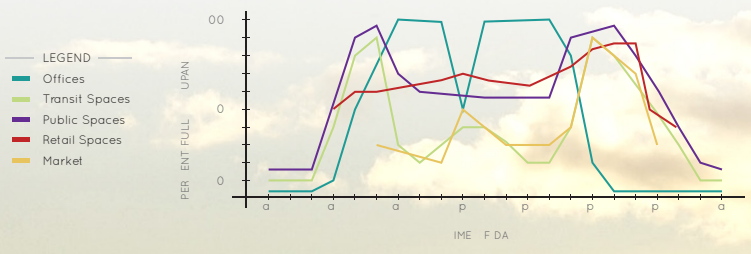


**WINTER AT MIDWAY STATION**





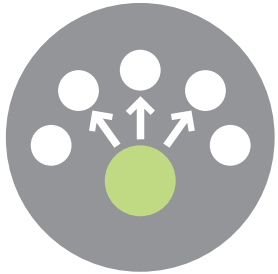
**ACTIVATEDSPACE**



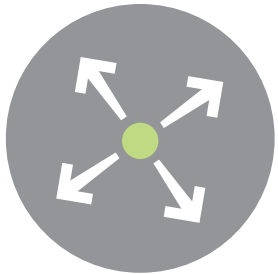


# RESEARCHFULFILLMENT

GOALS OF TRANSIT ORIENTED DEVELOPMENT



MIX OF CHOICES



PLACE-NODE TENSION  
RESOLUTION



PLACE-MAKING



LOCATION  
EFFICIENCY



VALUE CAPTURE



# QUESTIONS/COMMENTS

