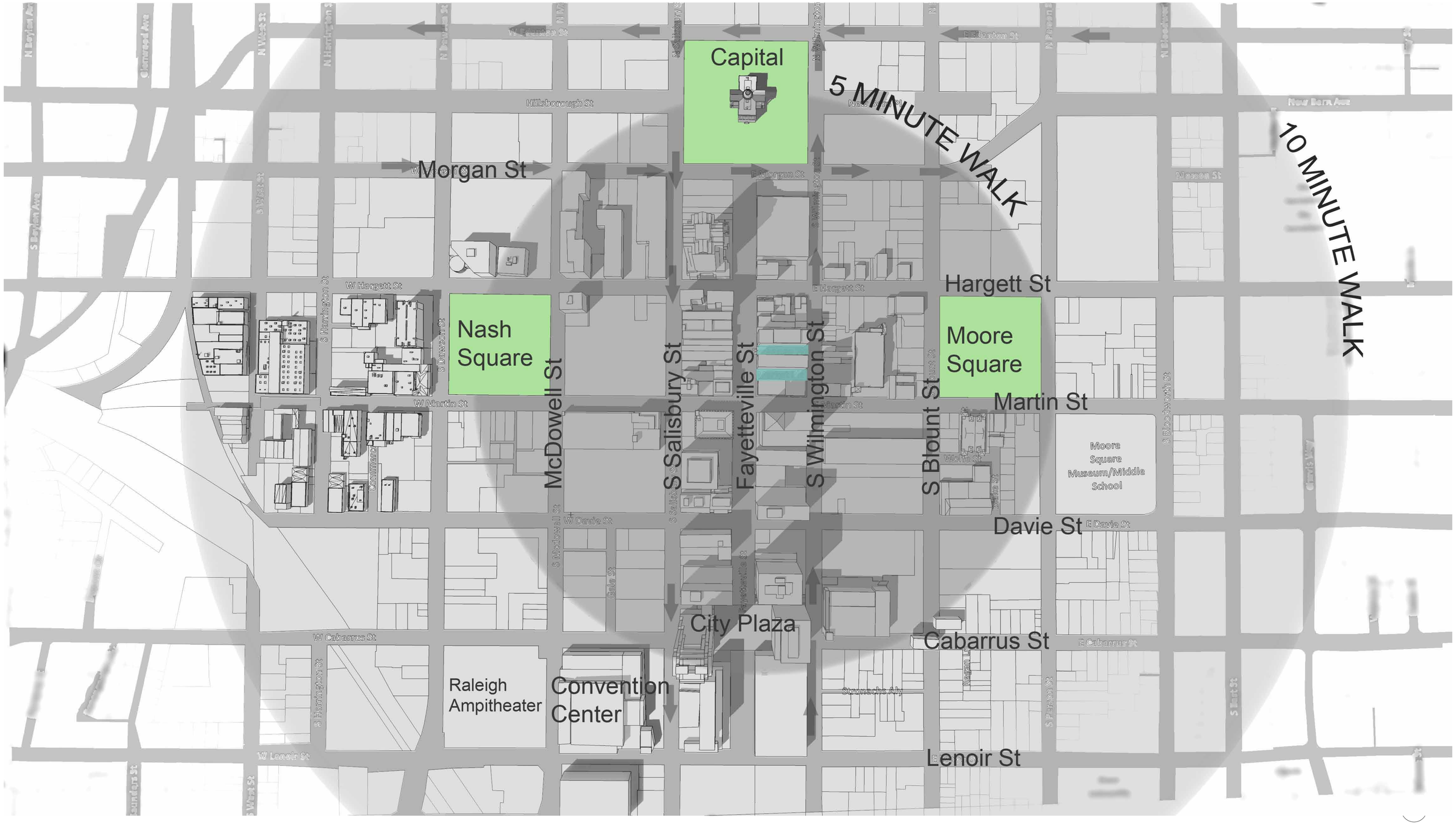
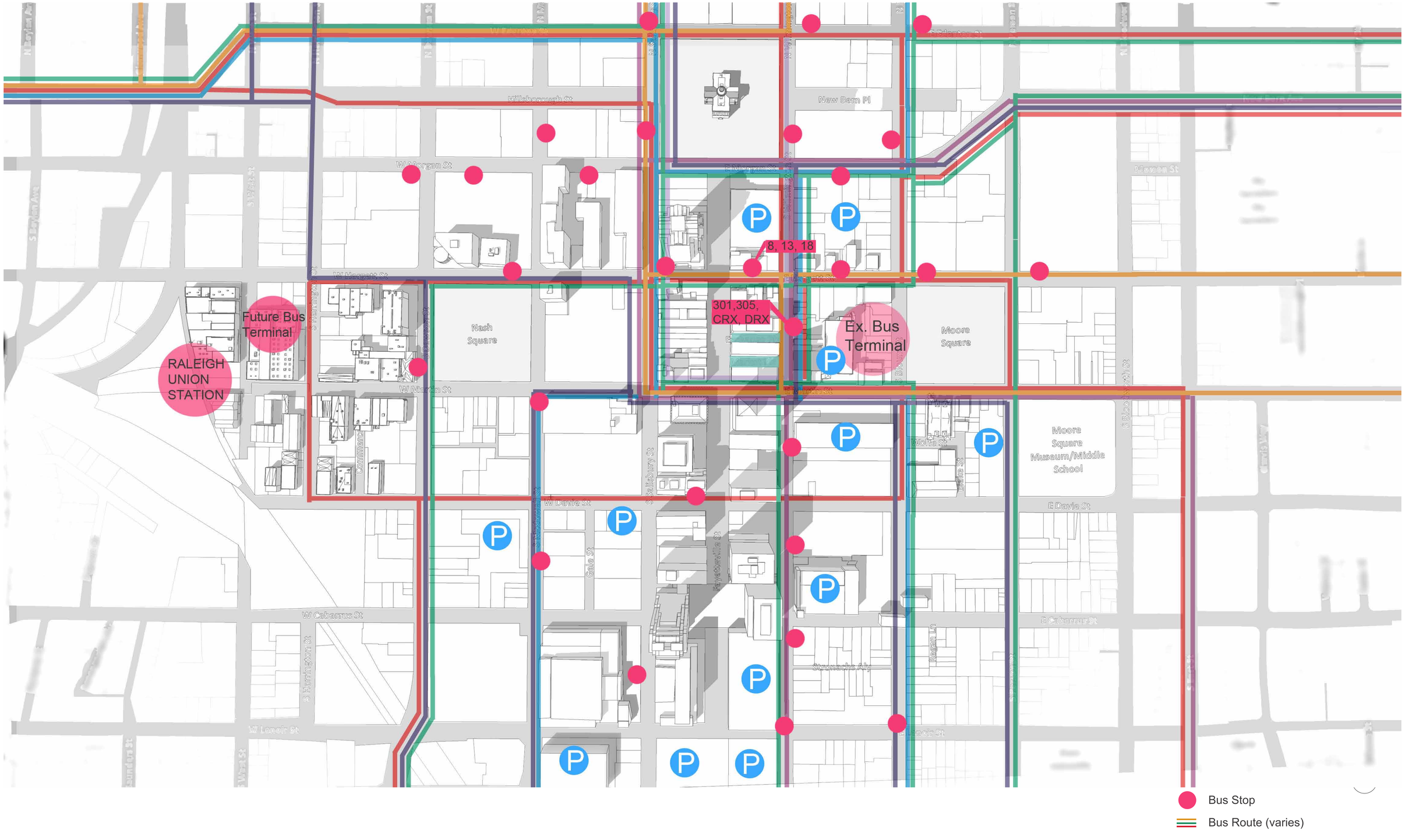
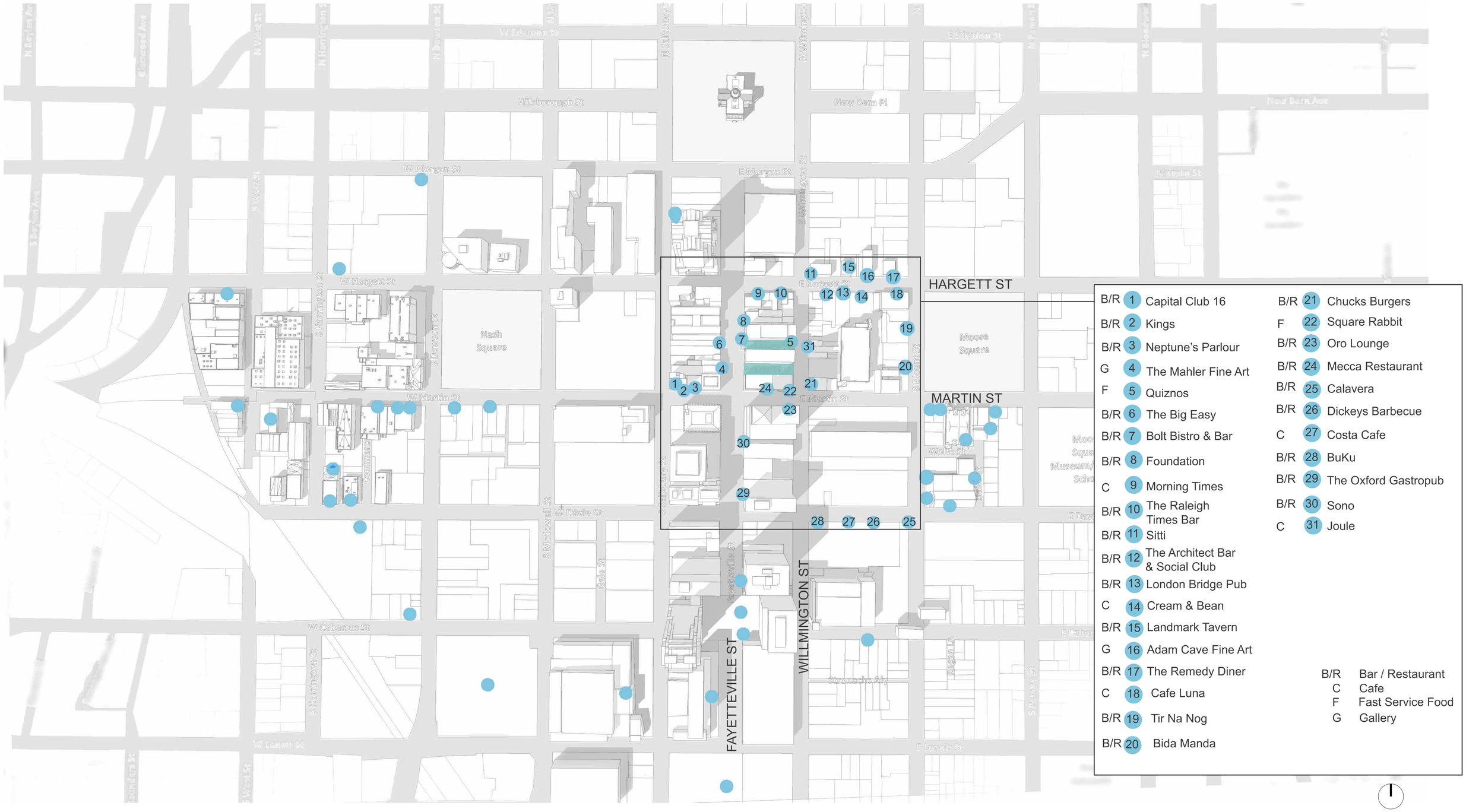

Capital
5 MINUTE WALK
10 MINUTE WALK
Morgan St
Hargett St
Nash Square
Moore Square
Martin St
Davie St
City Plaza
Cabarrus St
Raleigh Ampitheater
Convention Center
Lenoir St
McDowell St
S Salisbury St
Fayetteville St
S Wilmington St
S Blount St
Moore Square Museum/Middle School



MARKET & EXCHANGE PLAZA | TRANSIT

11 / 06 / 2013

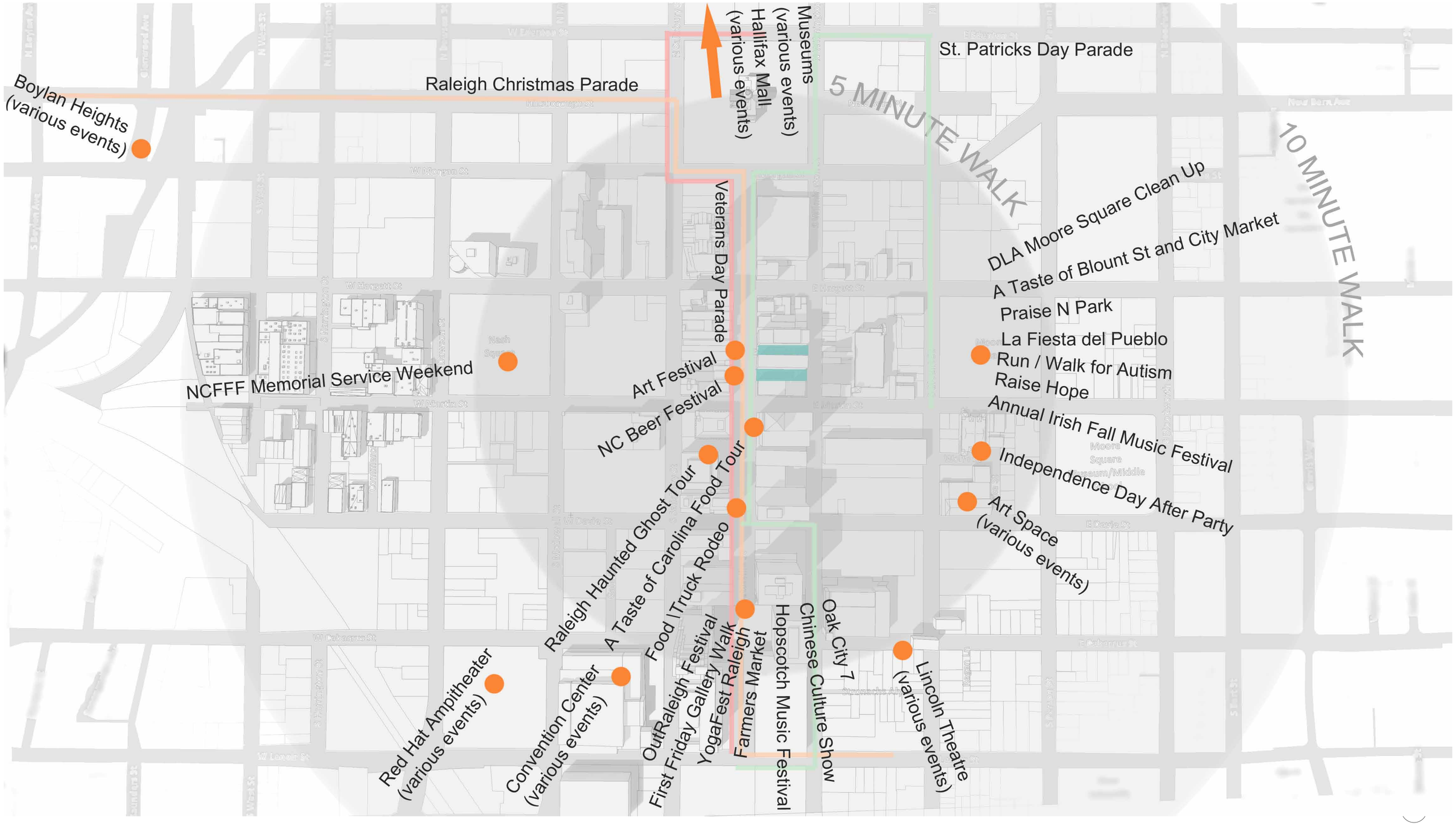
Surface

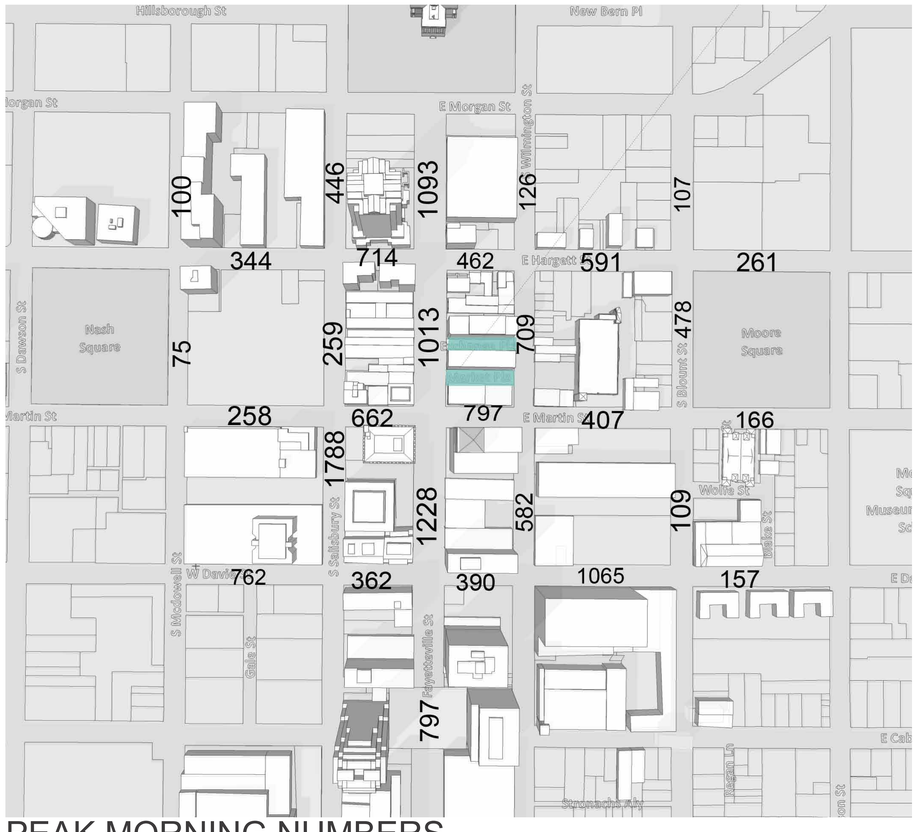


MARKET & EXCHANGE PLAZA | ENTERTAINMENT & CULTURAL LOCATIONS

11 / 06 / 2013

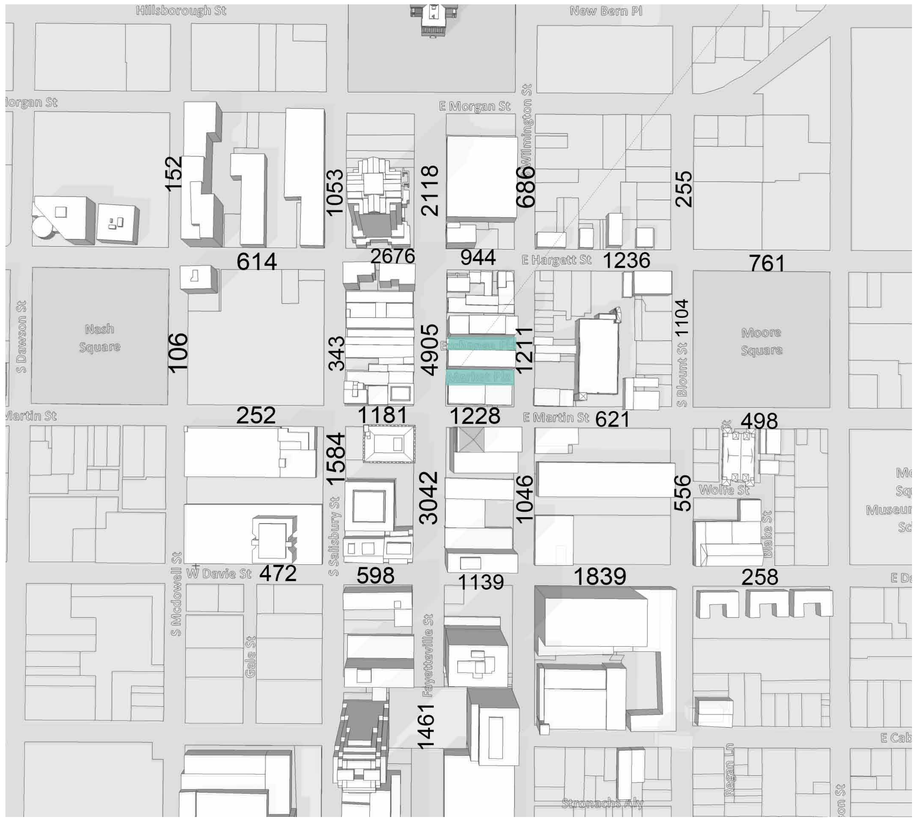
Surface


Boylan Heights
(various events)
Raleigh Christmas Parade
Museums
(various events)
Hallifax Mall
(various events)
5 MINUTE WALK
St. Patricks Day Parade
10 MINUTE WALK
DLA Moore Square Clean Up
A Taste of Blount St and City Market
Praise N Park
La Fiesta del Pueblo
Run / Walk for Autism
Raise Hope
Annual Irish Fall Music Festival
Independence Day After Party
Art Space
(various events)
Veterans Day Parade
Art Festival
NC Beer Festival
NCFFF Memorial Service Weekend
Raleigh Haunted Ghost Tour
A Taste of Carolina Food Tour
Food \Truck Rodeo
Red Hat Ampitheater
(various events)
Convention Center
(various events)
OutRaleigh Festival
First Friday Gallery Walk
YogaFest Raleigh
Farmers Market
Hopscotch Music Festival
Chinese Culture Show
Oak City 7
Lincoln Theatre
(various events)



PEAK MORNING NUMBERS

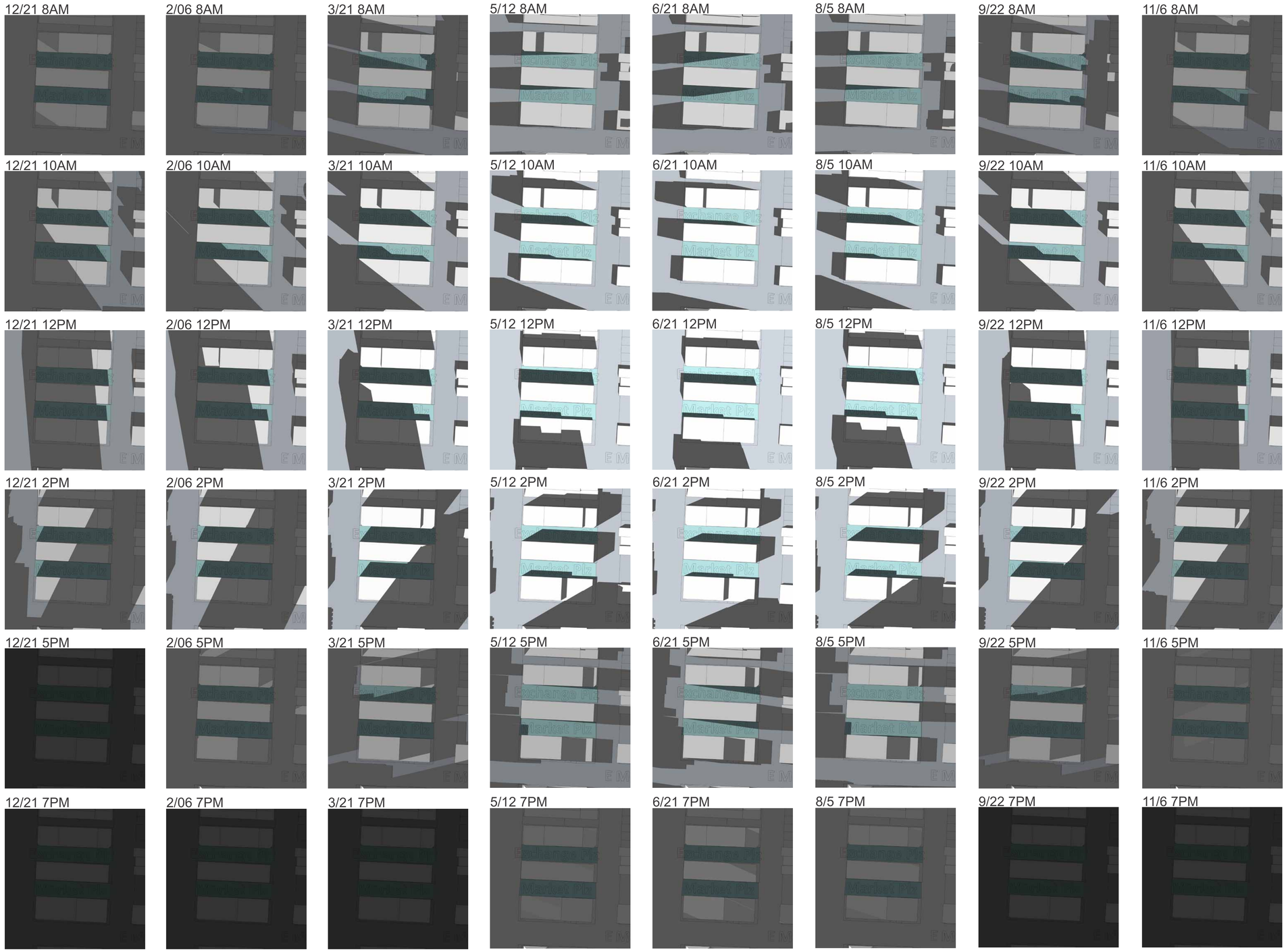
PEAK MORNING (7:30AM-9:30AM) MAP

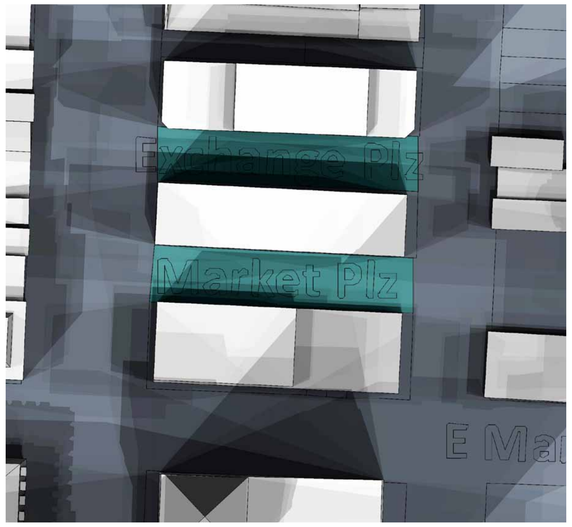


PEAK AFTERNOON NUMBERS

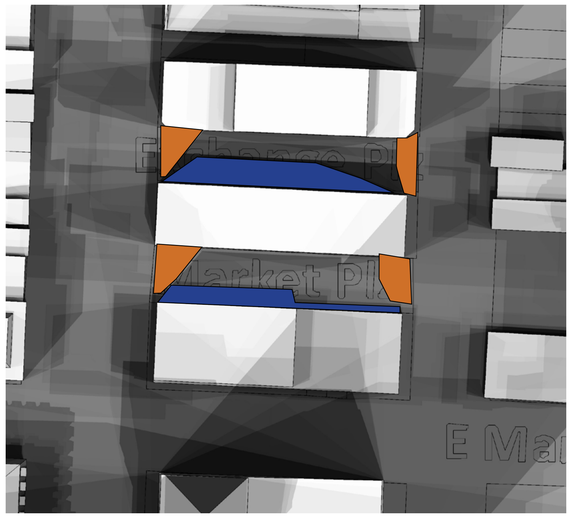
PEAK AFTERNOON (11:30 AM-1:30PM) MAP

*Pedestrian data from "Downtown Raleigh Alliance Pedestrian Count Study May 2011"
*Peak afternoon totals from appendix D-8
*Peak morning totals from appendix D-6





Shade Composite



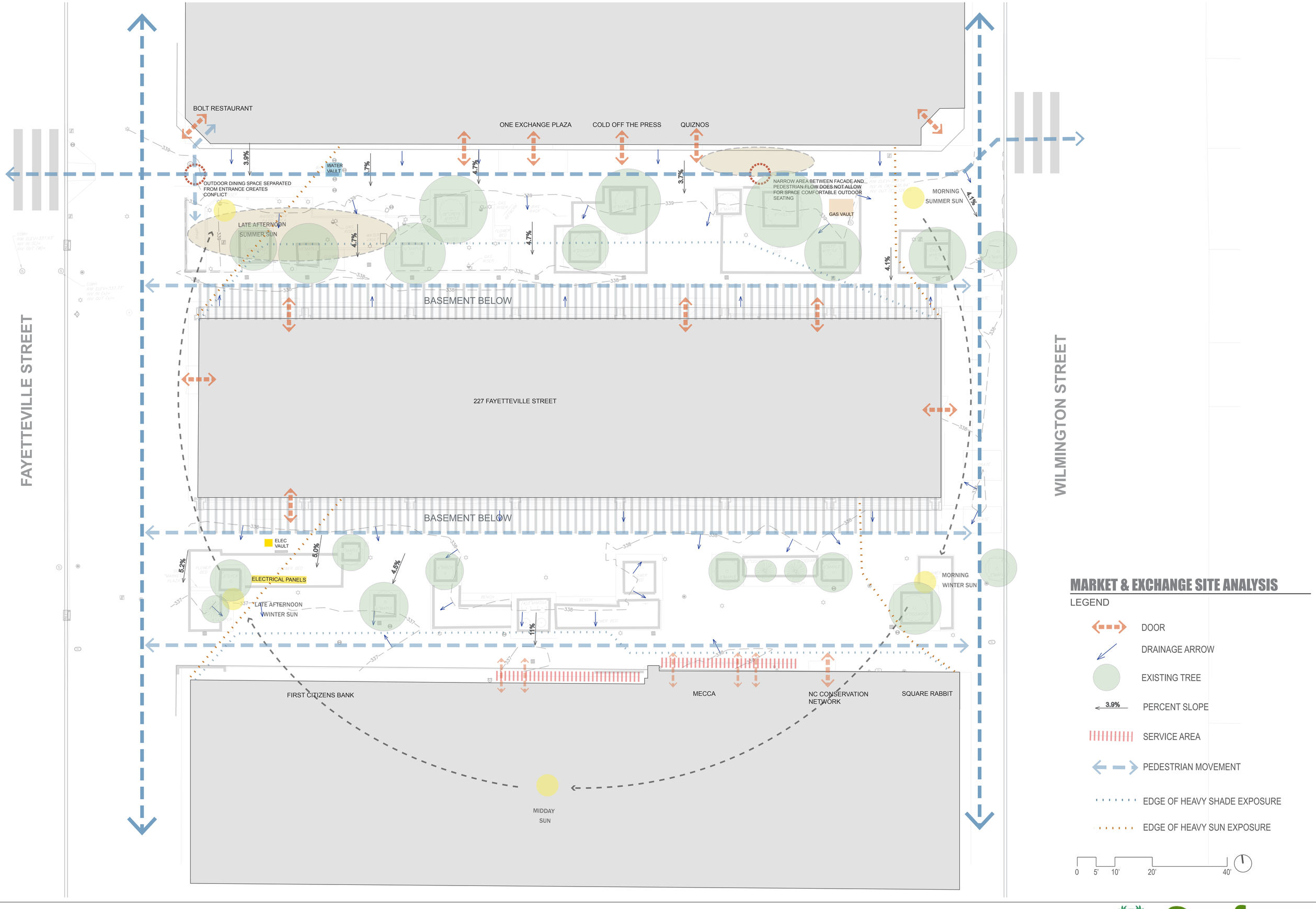
Areas of Heavy Sun Exposure

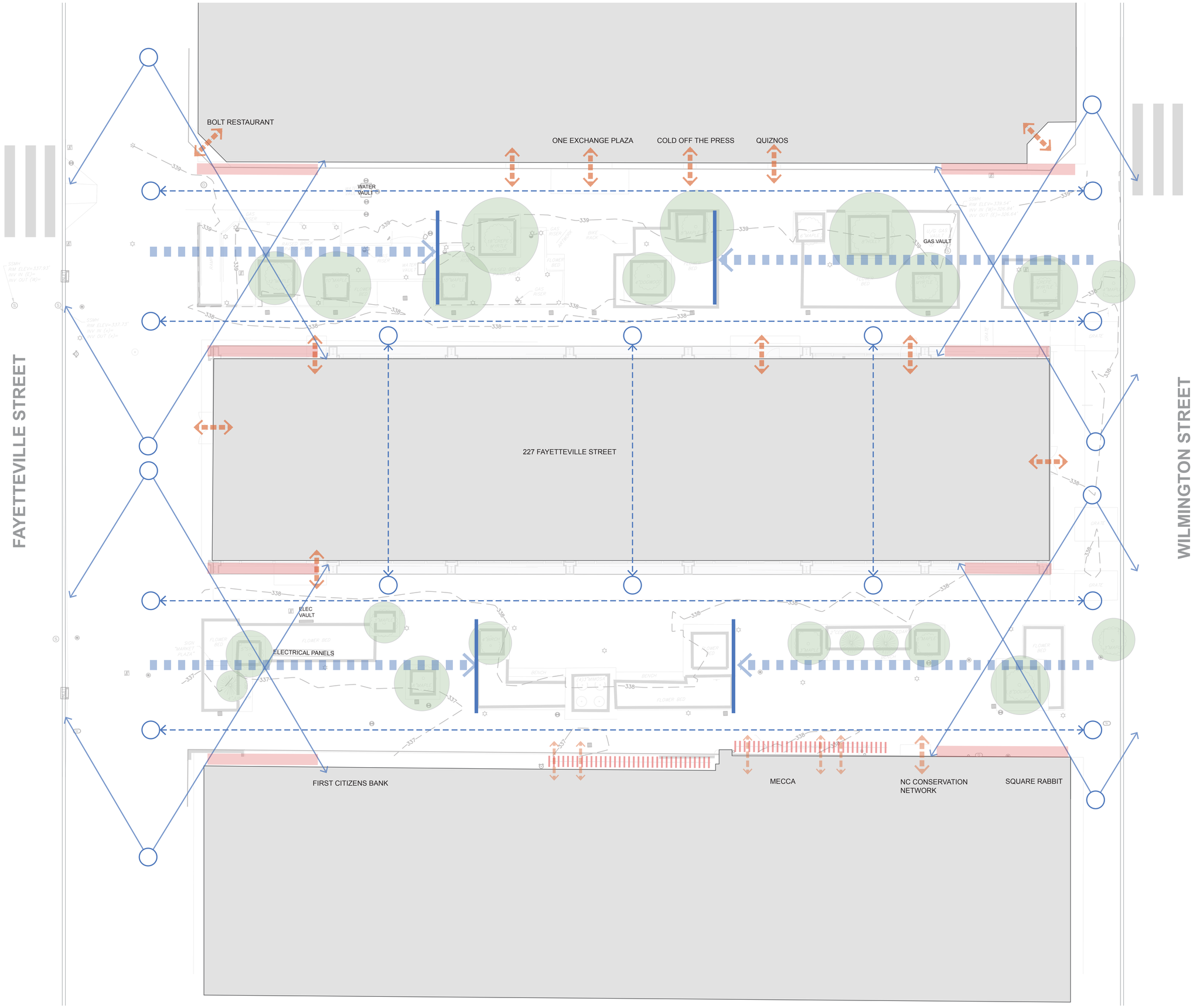
Areas of Heavy Shade

MARKET & EXCHANGE PLAZA | SOLAR STUDY

11 / 06 / 2013

Surface


BOLT RESTAURANT
ONE EXCHANGE PLAZA
COLD OFF THE PRESS
QUIZNOS
WATER VAULT
OUTDOOR DINING SPACE SEPARATED FROM ENTRANCE CREATES CONFLICT
LATE AFTERNOON SUMMER SUN
NARROW AREA BETWEEN FACADE AND PEDESTRIAN FLOW DOES NOT ALLOW FOR SPACE COMFORTABLE OUTDOOR SEATING
GAS VAULT
MORNING SUMMER SUN
3.9%
3.7%
4.7%
4.1%
BASEMENT BELOW
227 FAYETTEVILLE STREET
ELEC VAULT
ELECTRICAL PANELS
LATE AFTERNOON WINTER SUN
MORNING WINTER SUN
5.2%
5.0%
4.5%
11%
FIRST CITIZENS BANK
MECCA
NC CONSERVATION NETWORK
SQUARE RABBIT
MIDDAY SUN
FAYETTEVILLE STREET
WILMINGTON STREET
MARKET & EXCHANGE SITE ANALYSIS
LEGEND
DOOR
DRAINAGE ARROW
EXISTING TREE
3.9%
PERCENT SLOPE
SERVICE AREA
PEDESTRIAN MOVEMENT
EDGE OF HEAVY SHADE EXPOSURE
EDGE OF HEAVY SUN EXPOSURE
0
5'
10'
20'
40'

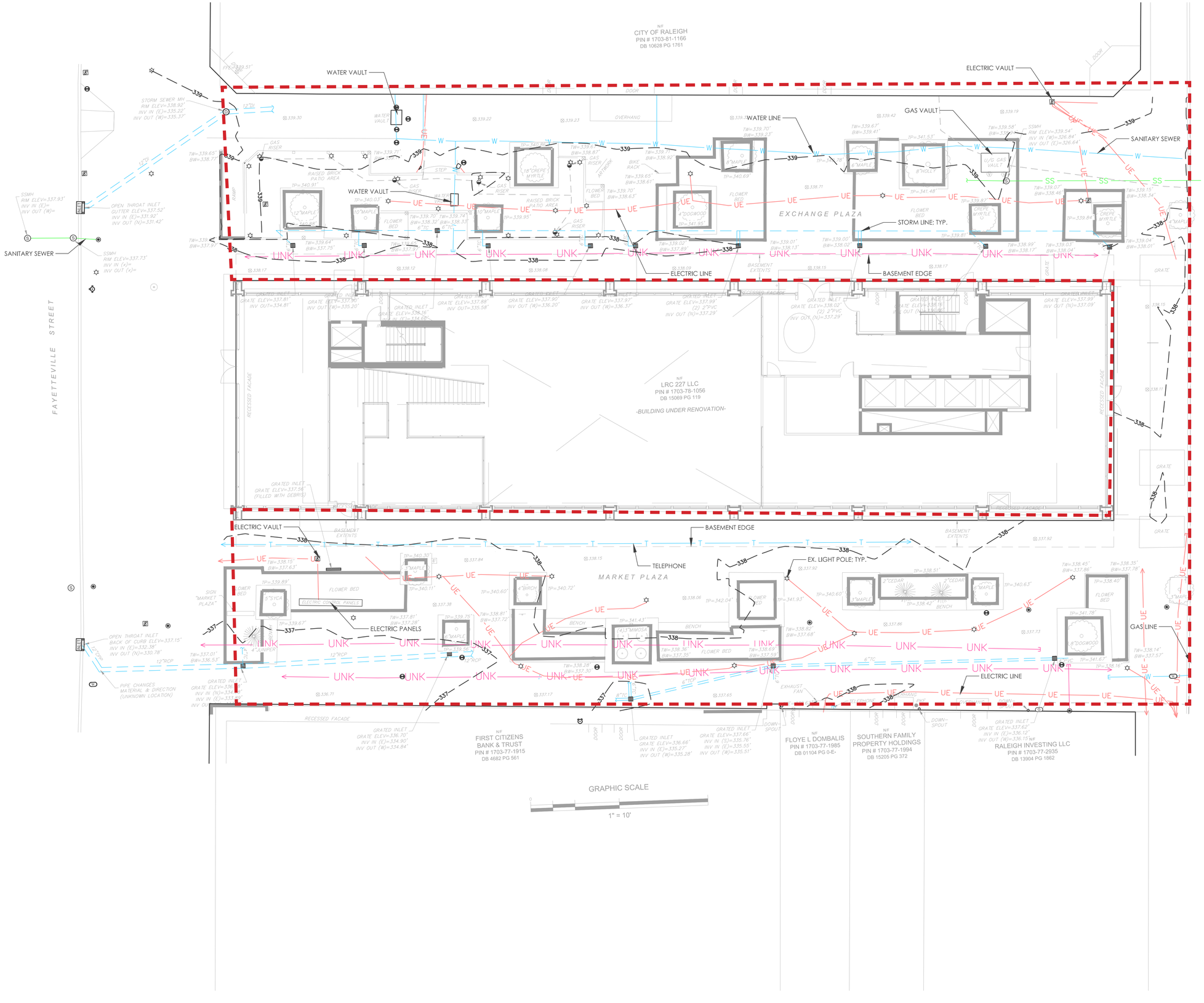


MARKET & EXCHANGE VIEW ANALYSIS

LEGEND

- OPEN VIEW
- OBSCURED VIEW
- DOOR
- VIEW FROM SIDEWALK EXPERIENCE
- EXISTING TREE
- SERVICE AREA

0 5' 10' 20' 40'

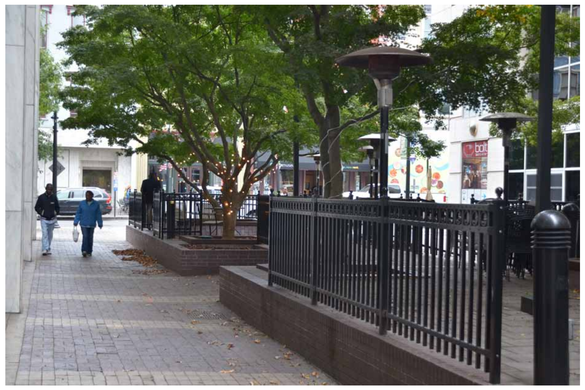


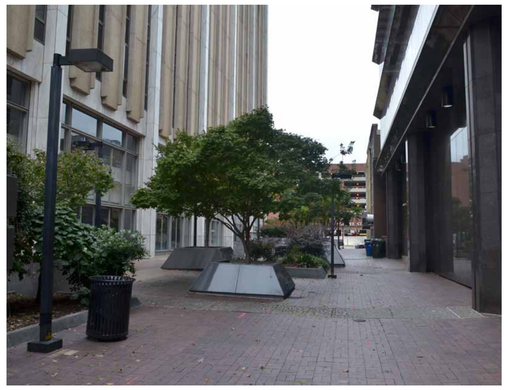
LINE LEGEND

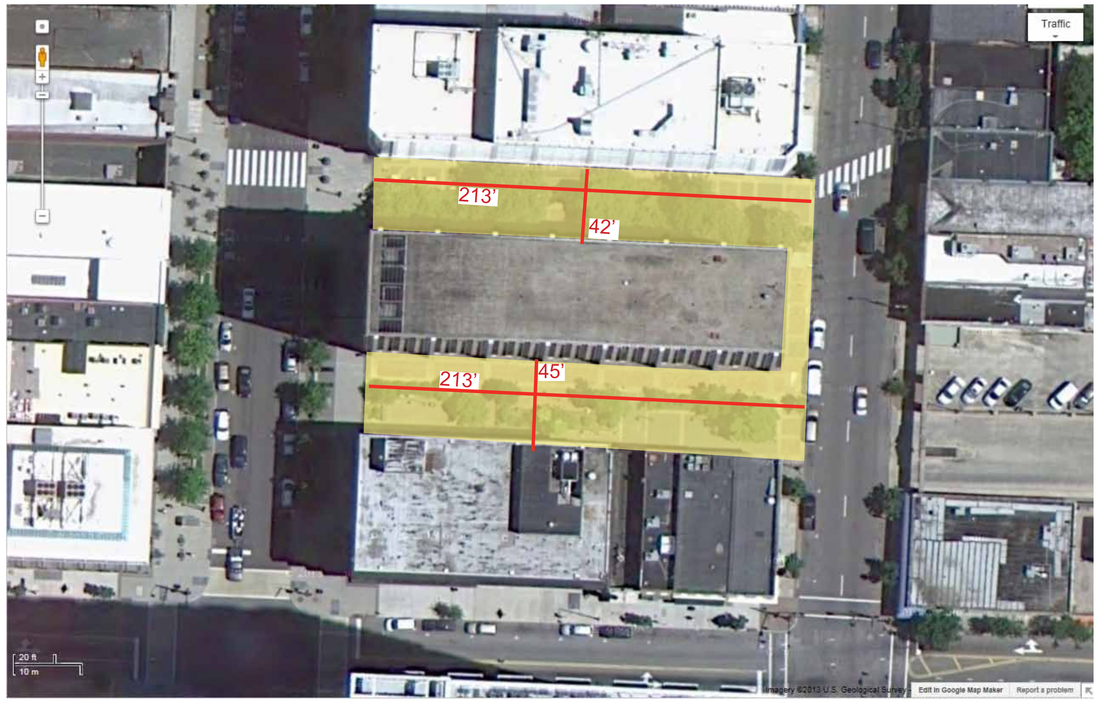
- PROPERTY LINE (PL)
- PL NOT SURVEYED
- RIGHT-OF-WAY LINE
- EASEMENT
- SETBACK / BUFFER LINE
- CURB & GUTTER
- HAND RAIL
- WALL
- STORM DRAINAGE PIPE
- SS — GRAVITY SEWER
- UE — U/G ELECTRIC LINE
- T — U/G TELEPHONE
- G — U/G GAS
- W — U/G WATER LINE
- UNK — UNKNOWN U/G UTILITY
- CONTOUR MAJOR
- CONTOUR MINOR

SYMBOL LEGEND

- PROPERTY CORNER FOUND
- PROPERTY CORNER SET
- CONC MONUMENT FOUND
- CONC MONUMENT SET
- COMPUTED POINT
- DATUM CONTROL POINT
- BOLLARD
- SIGN
- GRATED INLET
- OPEN THROAT CURB INLET
- LIGHT POLE
- ELECTRIC HANDHOLE
- ELECTRIC CONTROL BOX
- GAS VALVE
- GAS METER
- GAS RISER
- SEWER MANHOLE
- SEWER CLEANOUT
- VENT
- FIRE HYDRANT
- WATER METER
- WATER VALVE
- FIRE DEPARTMENT CONNECTION
- EVERGREEN TREE
- DECIDUOUS TREE
- SPOT ELEVATION
- END OF SIGNAL (SUE)
- DESTINATION UNKNOWN
- LINE CONTINUES

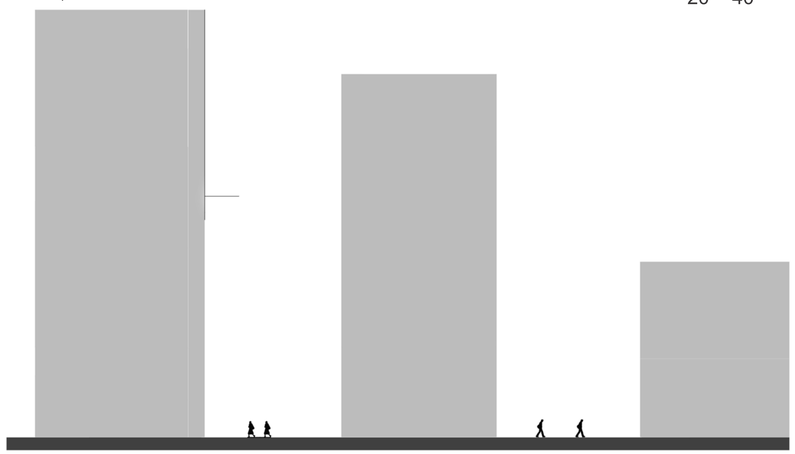


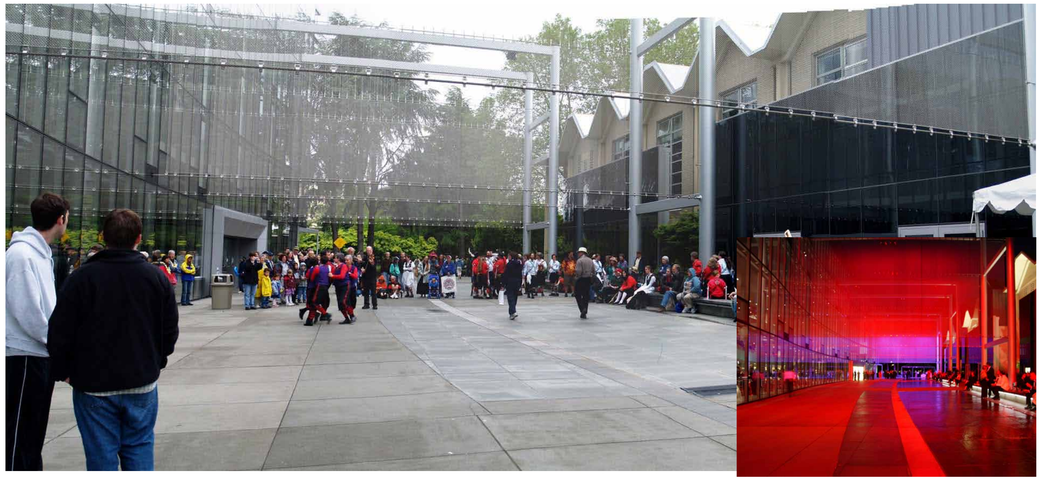


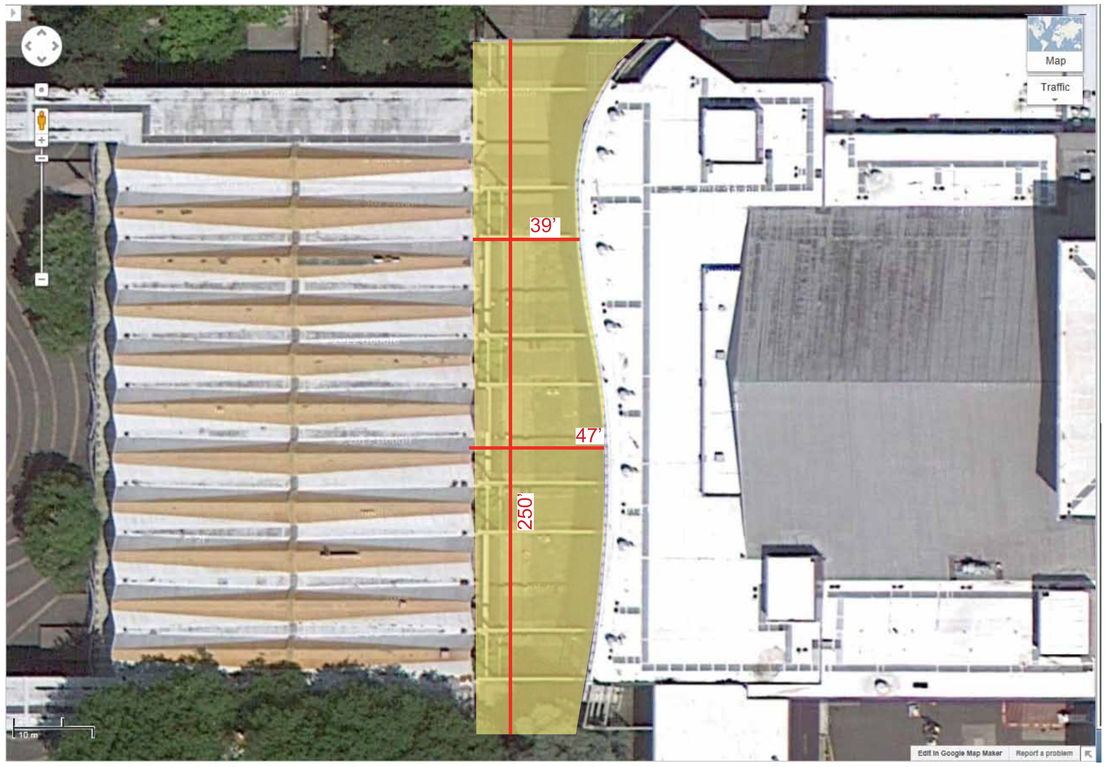


EXCHANGE: 8,900 SF
MARKET: 9,500 SF

20 40 80 160



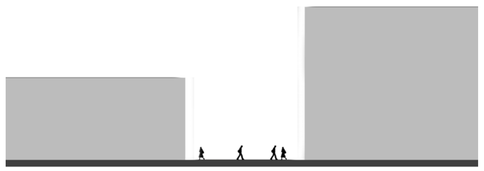




Theater Commons, Seattle WA

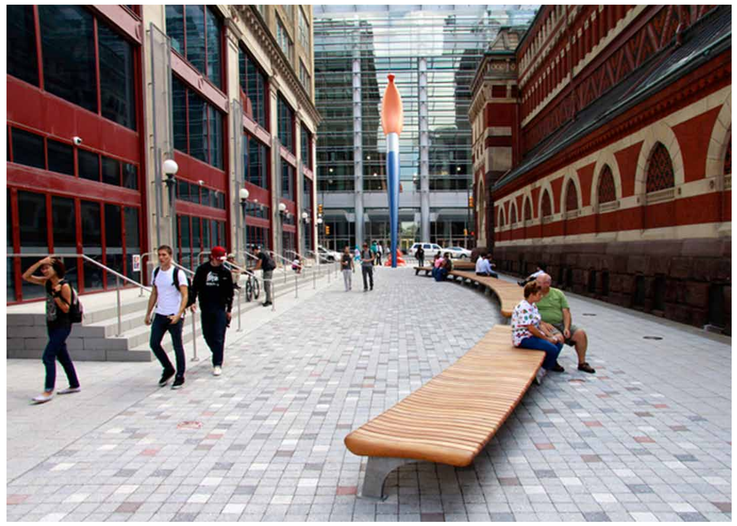
11,750 SF

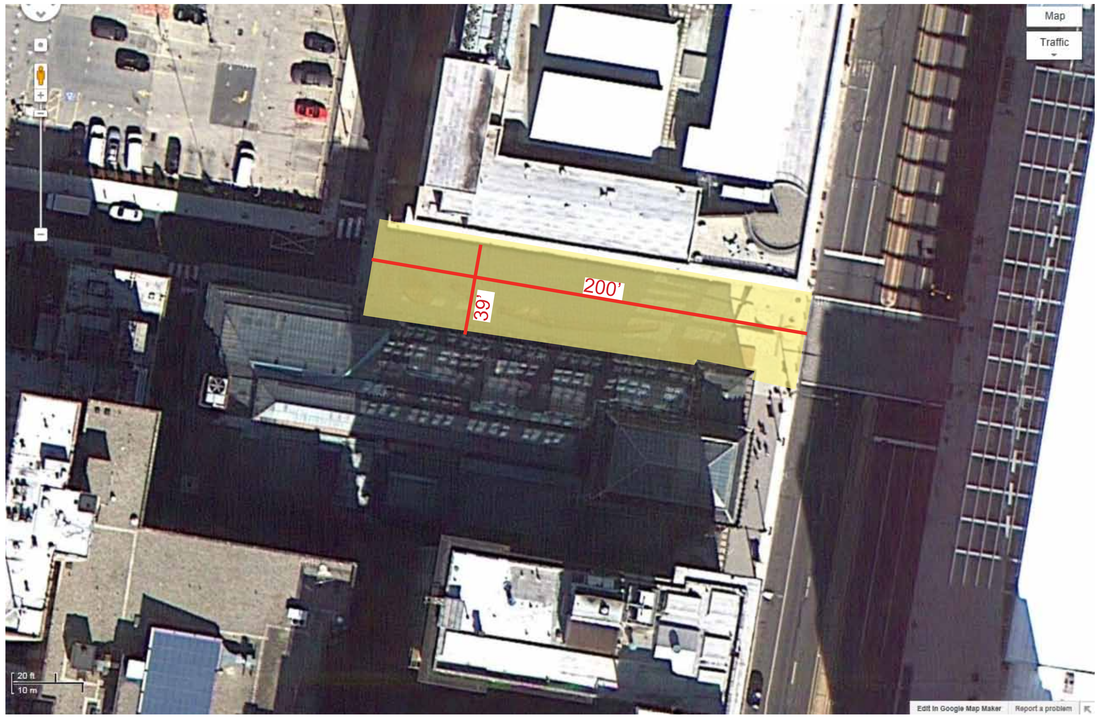
20 40 80 160



Site Features

-Open Interior
-Programmed Edges
-Integrated Seating
-Creative Lighting
-Event Areas
-Public Art
-Clear Site Lines
-Canopy

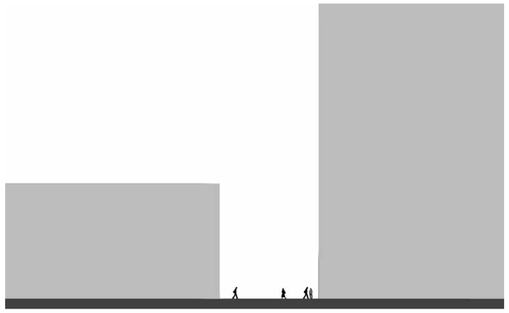




Lenfest Plaza, Philadelphia PA
7,800 SF

20 40 80 160

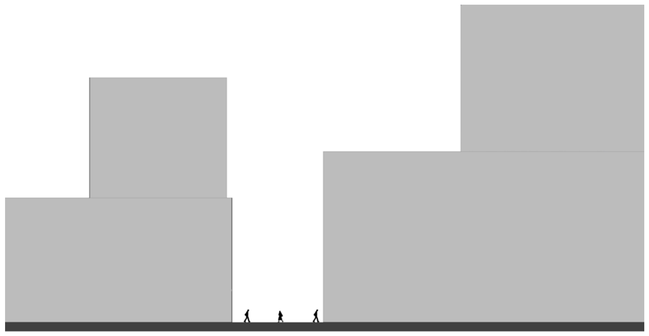
Site Features
-Clear Site Lines
-Public Art
-Integrated Bench as a Focal Point
-Interesting Paving
-Open Interior

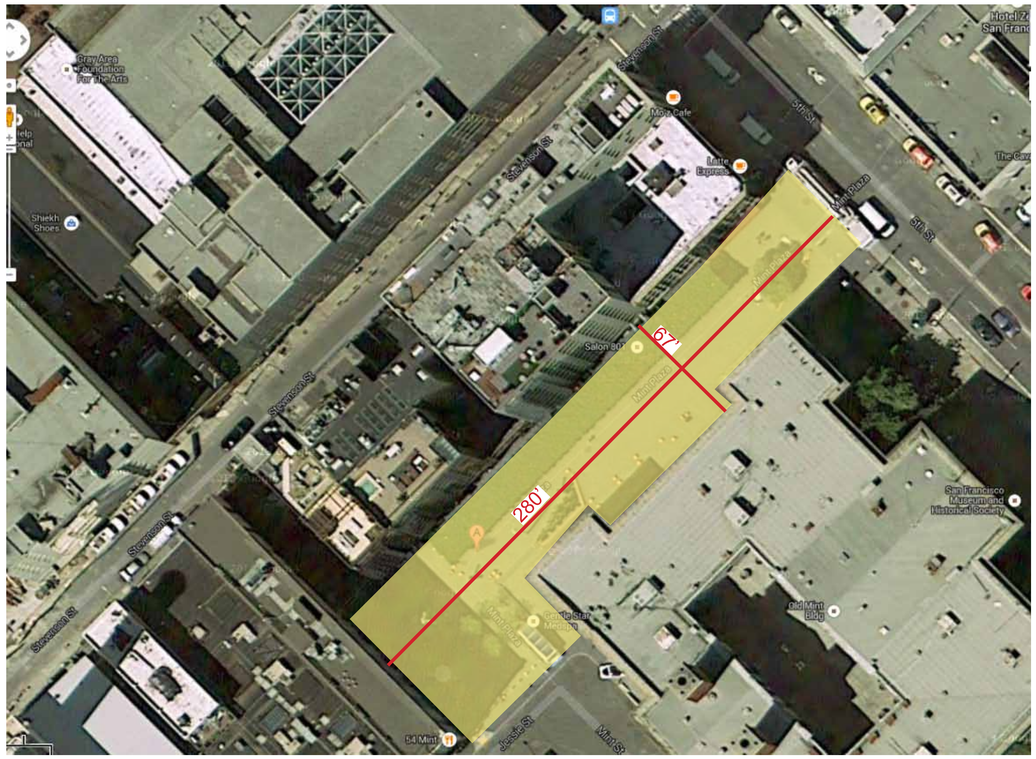


49th street pedestrian street, New York, NY
8,700 SF

20 40 80 160

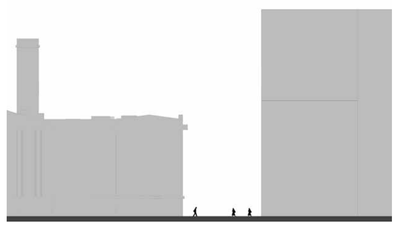
Site Features
-Clear Site Lines
-Site Feature Focal Point
-Flexible Seating
-Open Interior



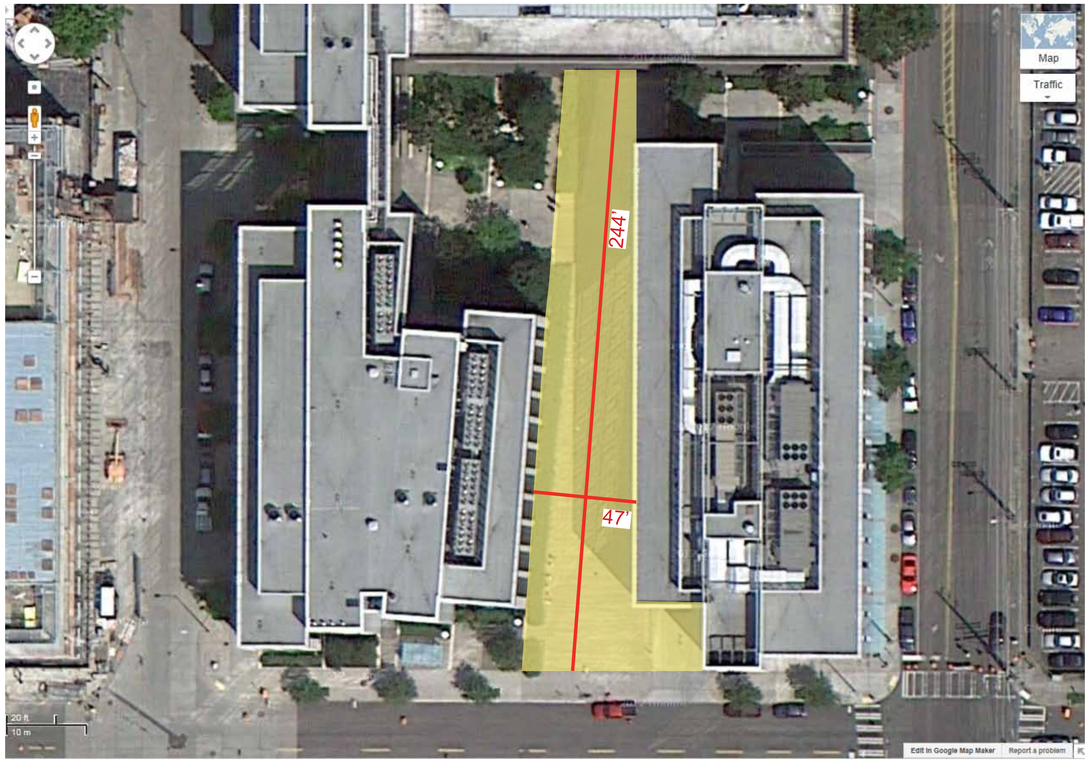


Mint Plaza, San Fransisco CA
18,700 SF

20 40 80 160

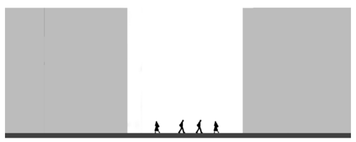


Site Features
-Active Edges
-Integrated Stormwater Treatment
-Canopy Structure
-Open Interior
-Clear Site Lines
-Projection Art
-Flexible Seating

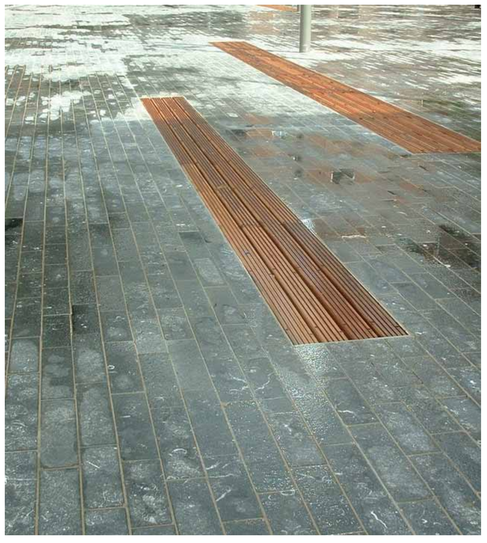


UW School of Medicine, Seattle WA
11,400 SF

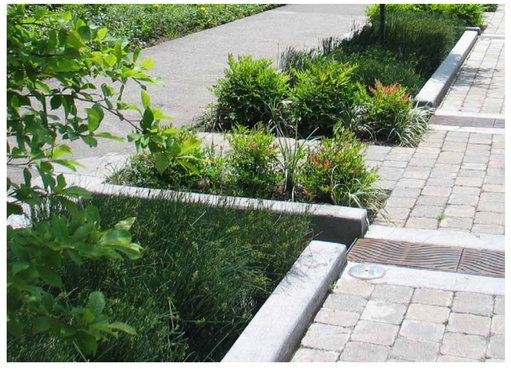
20 40 80 160

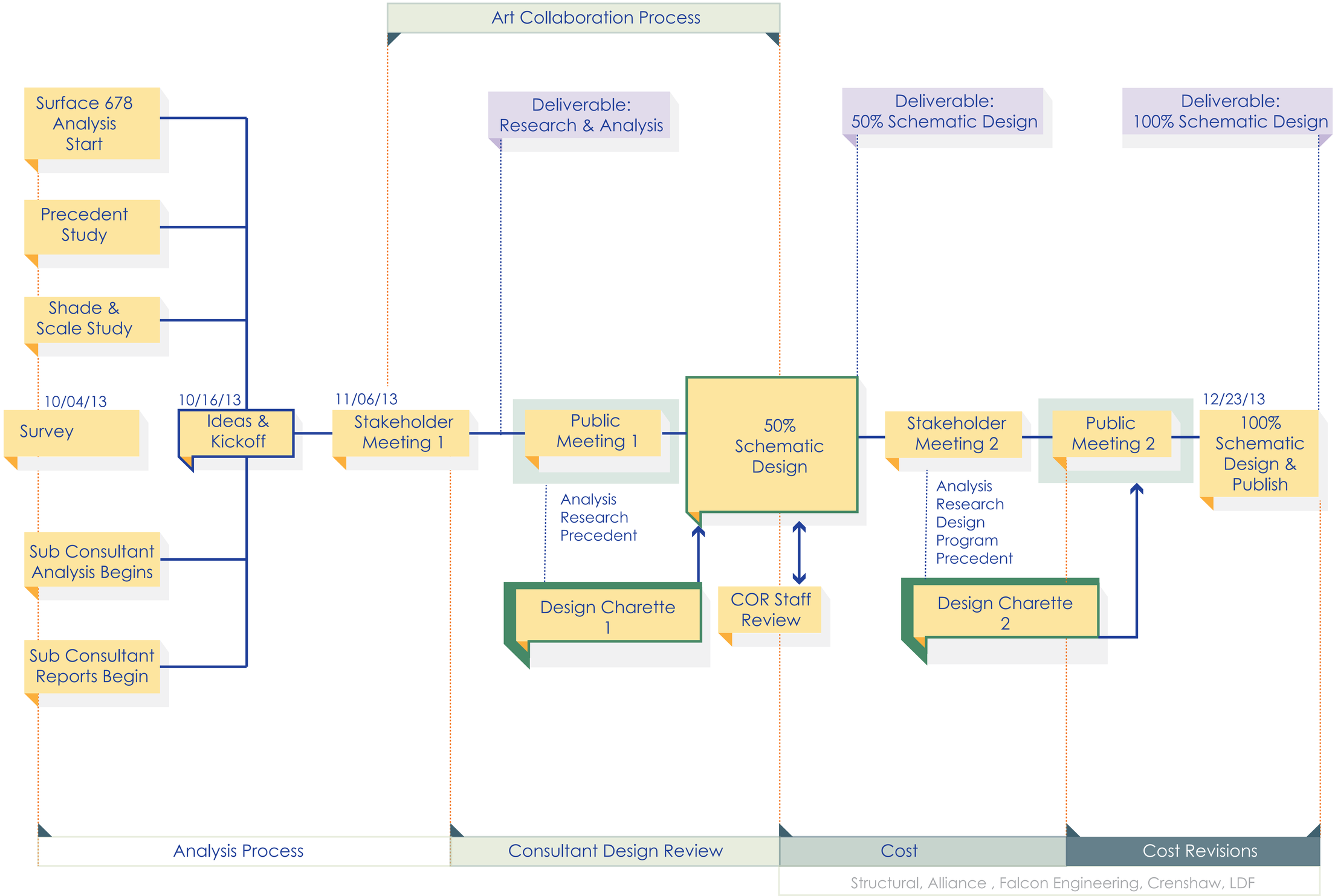


Qualities
-Open Interior
-Integrated Seating
-Simple & Elegant Lighting
-Canopy
-Clear Site Lines

CORVIN


MUVBOX
HOMARD DES ILES




Art Collaboration Process
Surface 678 Analysis Start
Precedent Study
Shade & Scale Study
Deliverable: Research & Analysis
Deliverable: 50% Schematic Design
Deliverable: 100% Schematic Design
10/04/13
Survey
10/16/13
Ideas & Kickoff
11/06/13
Stakeholder Meeting 1
Public Meeting 1
50% Schematic Design
Stakeholder Meeting 2
Public Meeting 2
12/23/13
100% Schematic Design & Publish
Analysis
Research
Precedent
Analysis
Research
Design
Program
Precedent
Sub Consultant Analysis Begins
Sub Consultant Reports Begin
Design Charette 1
COR Staff Review
Design Charette 2
Analysis Process
Consultant Design Review
Cost
Cost Revisions
Structural, Alliance , Falcon Engineering, Crenshaw, LDF