

KEENE INFRASTRUCTURE IMPROVEMENTS **FINAL DESIGN REVIEW**

HERITAGE COMMISSION MEETING

NOVEMBER 13, 2024

Seat Wall

Bike Lane

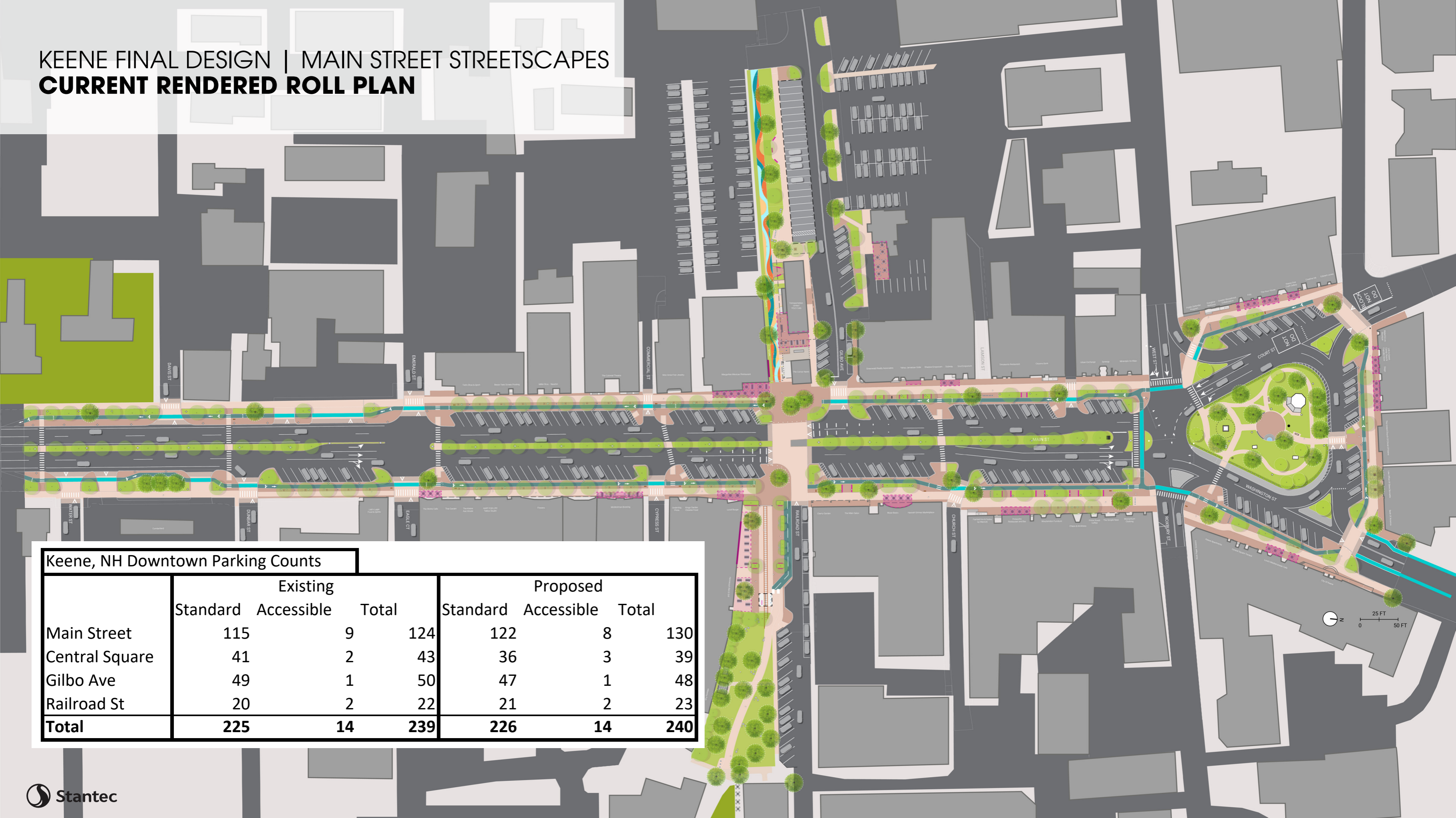
Bike Rack

Public Art

Outdoor Café

KEENE FINAL DESIGN | MAIN STREET STREETSCAPES

CURRENT RENDERED ROLL PLAN



Keene, NH Downtown Parking Counts

	Existing			Proposed		
	Standard	Accessible	Total	Standard	Accessible	Total
Main Street	115	9	124	122	8	130
Central Square	41	2	43	36	3	39
Gilbo Ave	49	1	50	47	1	48
Railroad St	20	2	22	21	2	23
Total	225	14	239	226	14	240

KEENE FINAL DESIGN | MAIN STREET STREETSCAPES

CURRENT RENDERED ROLL PLAN - TREE COUNT



Keene, NH Downtown Tree Inventory					
	Existing	Remaining	Removed	Transplanted	New
Main Street	80	20	45	15	110
Central Square	34	22	9	3	20
Gilbo Ave	18	16	2	-	8
Railroad St	25	18	7	-	7
Total	157	76	63	18	145

Total Trees at Completion 221
**Remaining & New Trees*

MAIN STREET



KEENE FINAL DESIGN | MAIN STREET STREETSCAPES
FOCUS ON TREES



The **Silva Cell** Supports vehicle loading equal to 32,000 lbs, which allows use in areas that accommodate 3 - 4 axle vehicles such as those used for emergency, delivery, and maintenance. Meets AASH-TO HS-20 (USA) loading standards when used with standard paving profiles. Aug 7, 2017

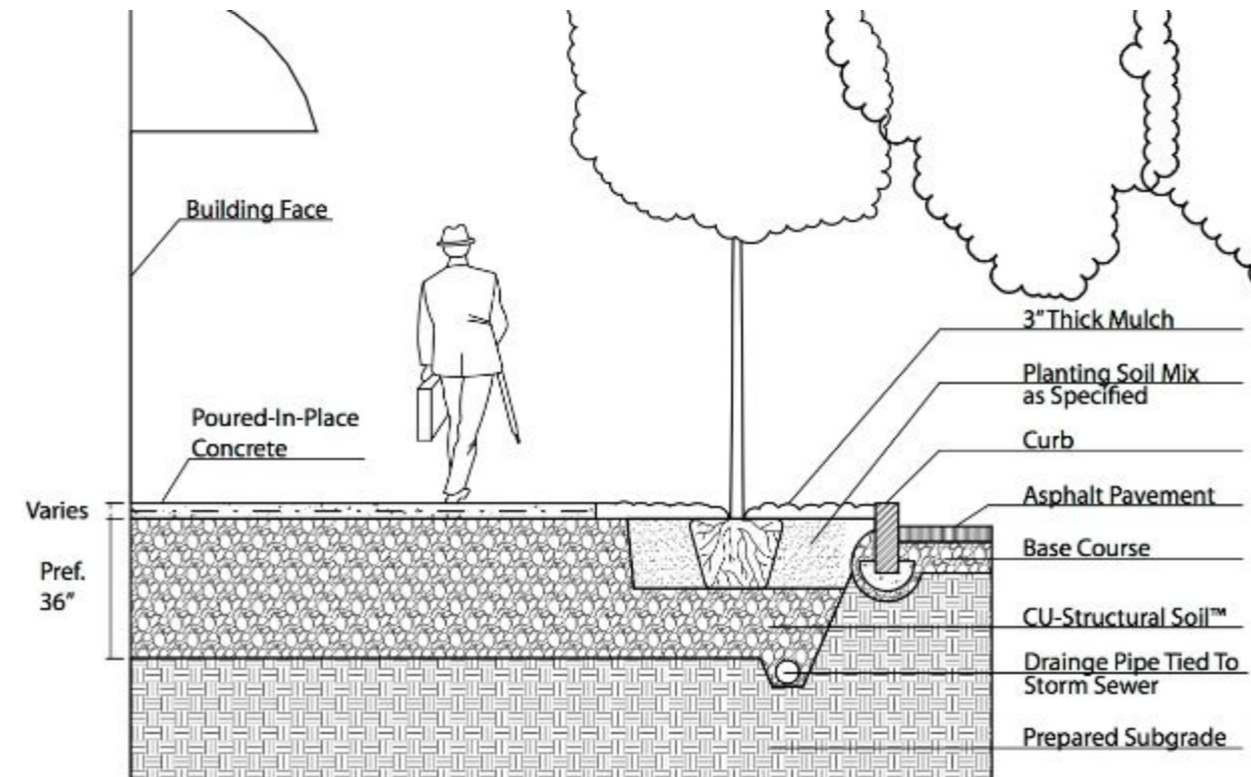
Traditional Planter

TYPICAL CAUSES OF FAILURES FOR URBAN STREET TREES

- COMPACTION
- HYDRATION (IRRIGATION)
- SOIL VOLUME

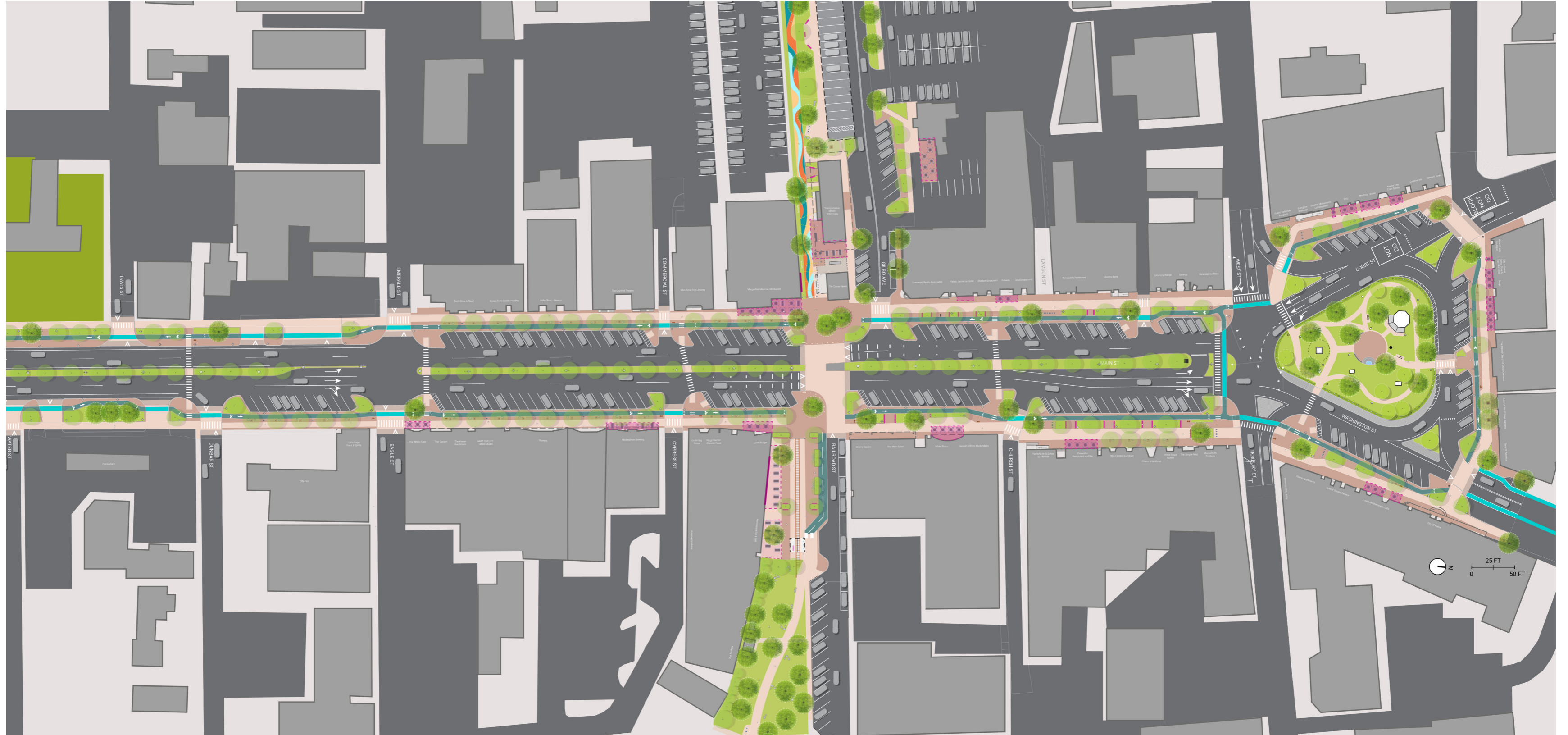
RECOMMENDATIONS

- SMALL TREE 300 CF
 - MEDIUM TREE 600 CF
 - LARGE TREE 1,000 CF
- (10 X 25 X 4' DEPTH)



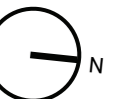
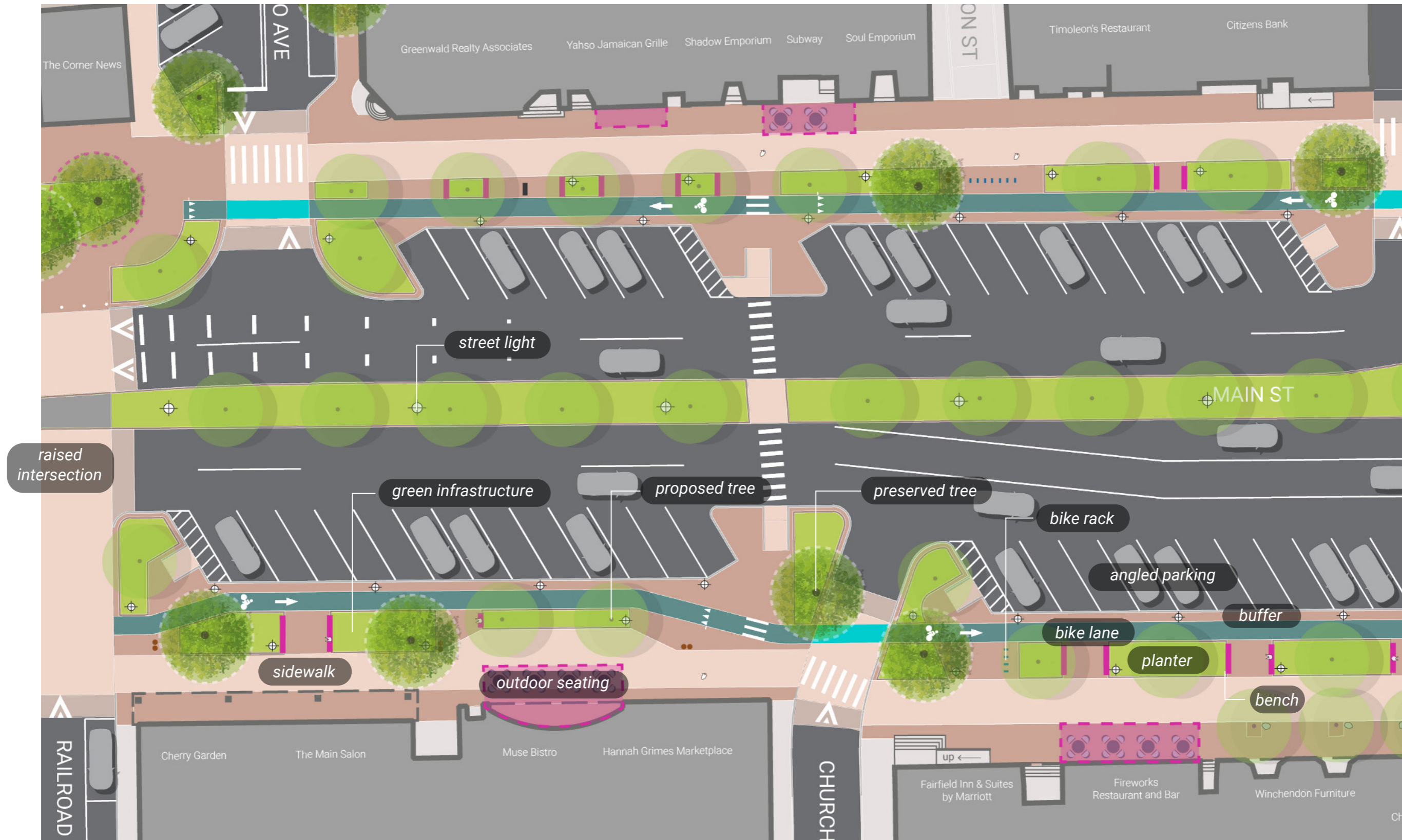
Structural Soil consists of crushed stone with organic materials that fill the void areas. From a bearing load perspective, it is no worse than a standard City sidewalk and in many cases it's better.

KEENE FINAL DESIGN | MAIN STREET STREETSCAPES

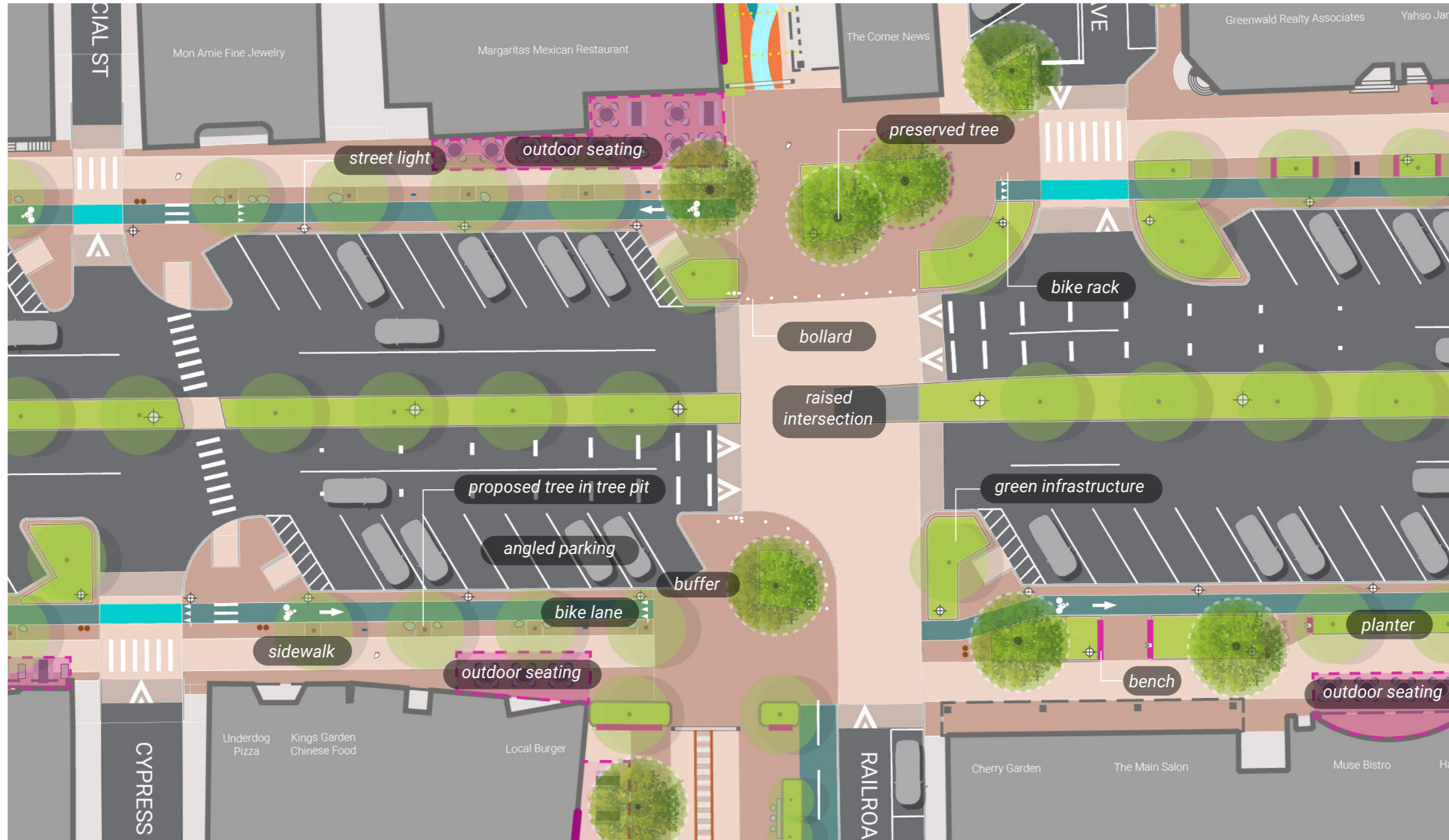


KEENE FINAL DESIGN | MAIN STREET STREETSCAPES

CURRENT PLAN - RAILROAD ST TO CHURCH ST



KEENE FINAL DESIGN | MAIN STREET STREETSCAPES CURRENT PLAN - CYPRESS ST TO RAILROAD ST



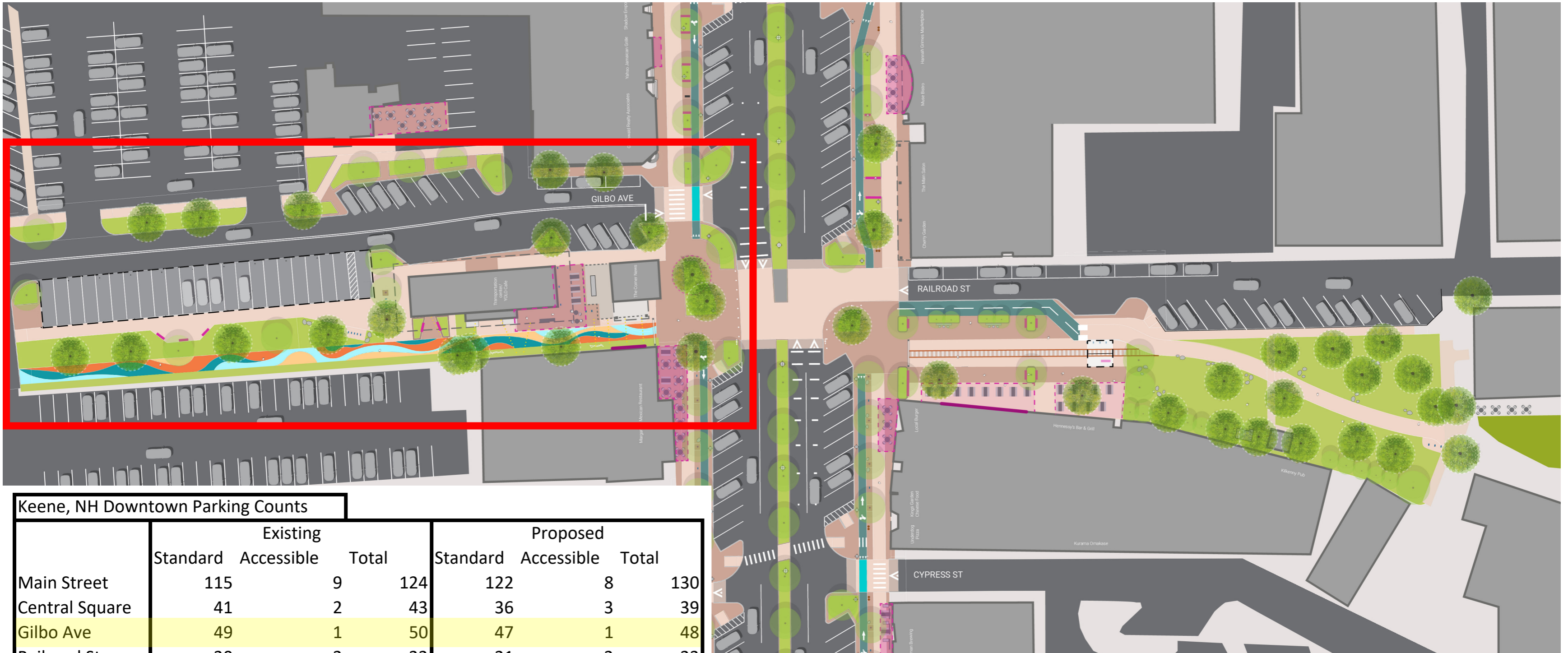
360 VISUALIZATION

MAIN STREET

GILBO AVE / RAILROAD ST

KEENE FINAL DESIGN | GILBO AVE/RAILROAD SQ

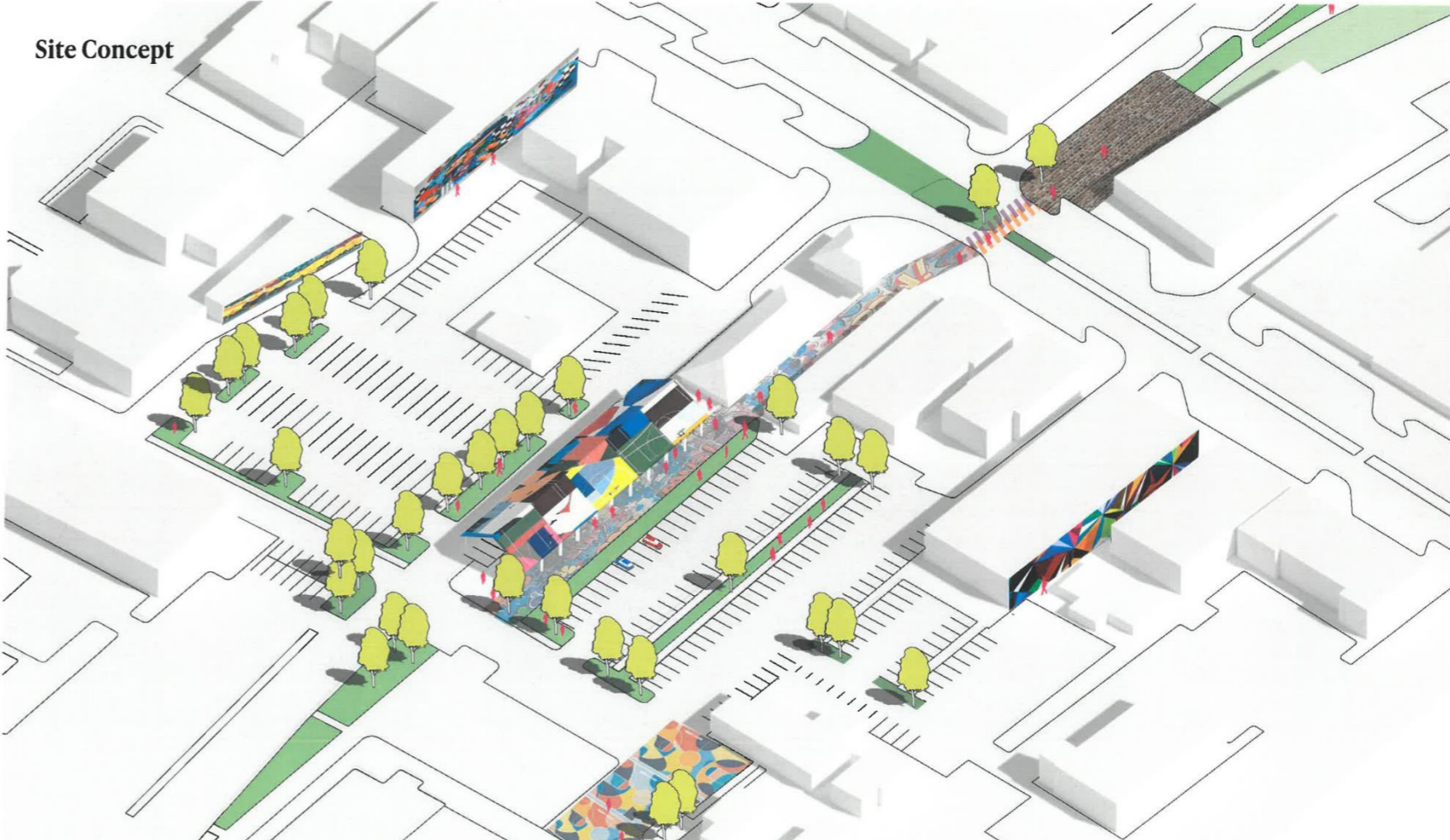
SITE PLAN - GILBO/RAILROAD



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KEENE FINAL DESIGN | GILBO AVE/RAILROAD SQ
ARTS ALIVE STUDY



KEENE FINAL DESIGN | GILBO AVE PROGRAMMING MATRIX

ART/FARMERS' MARKET: 30-35 VENDORS | 3-6 TENTS



FOOD EVENT: 8-11 FOOD TRUCKS



KEENE FINAL DESIGN | GILBO AVE
CURRENT PLAN

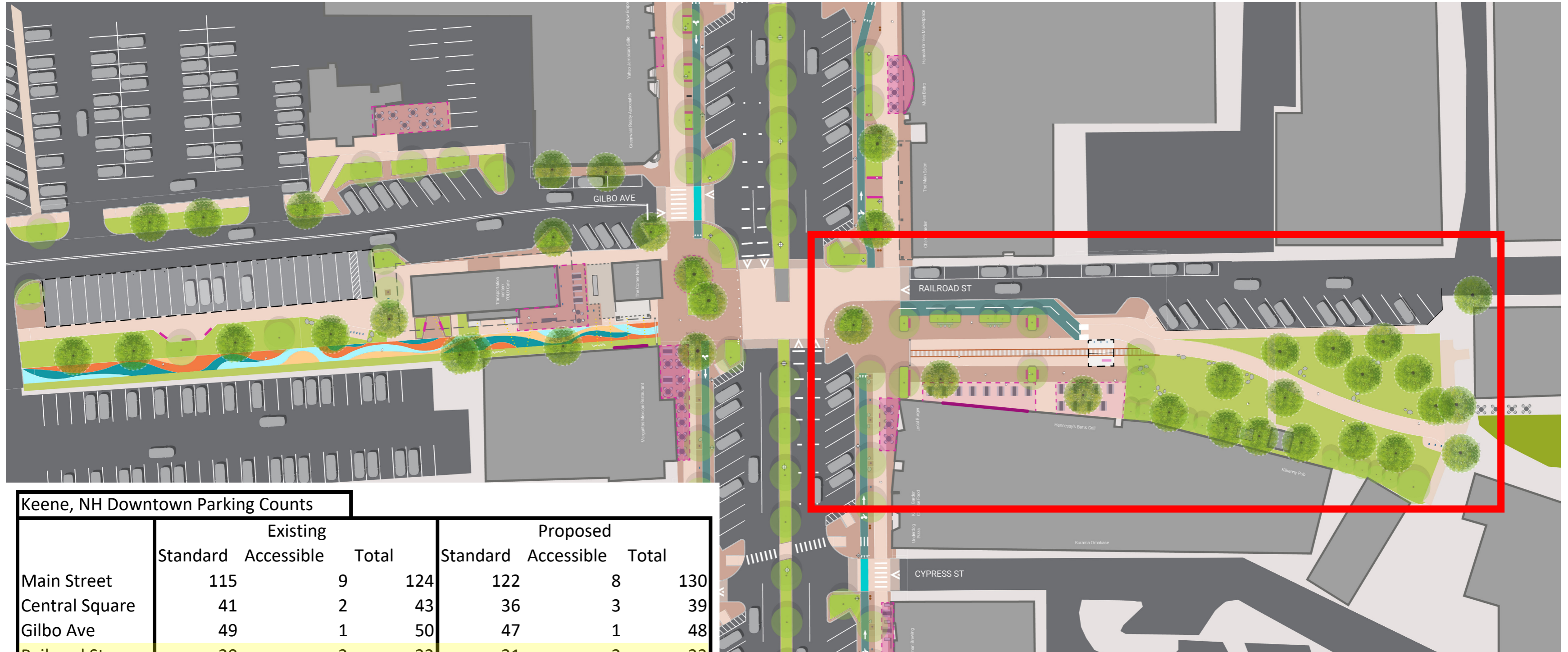


360 VISUALIZATION

GILBO AVENUE

KEENE FINAL DESIGN | GILBO AVE/RAILROAD SQ

SITE PLAN - GILBO/RAILROAD



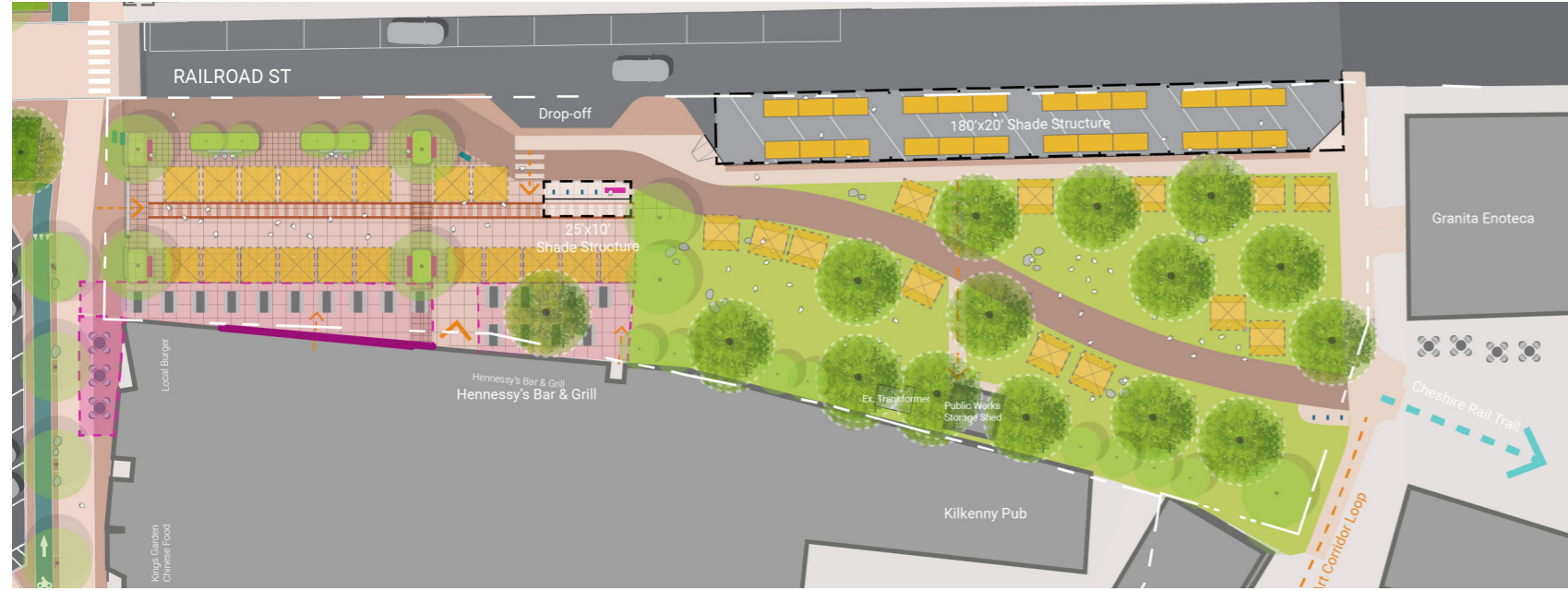
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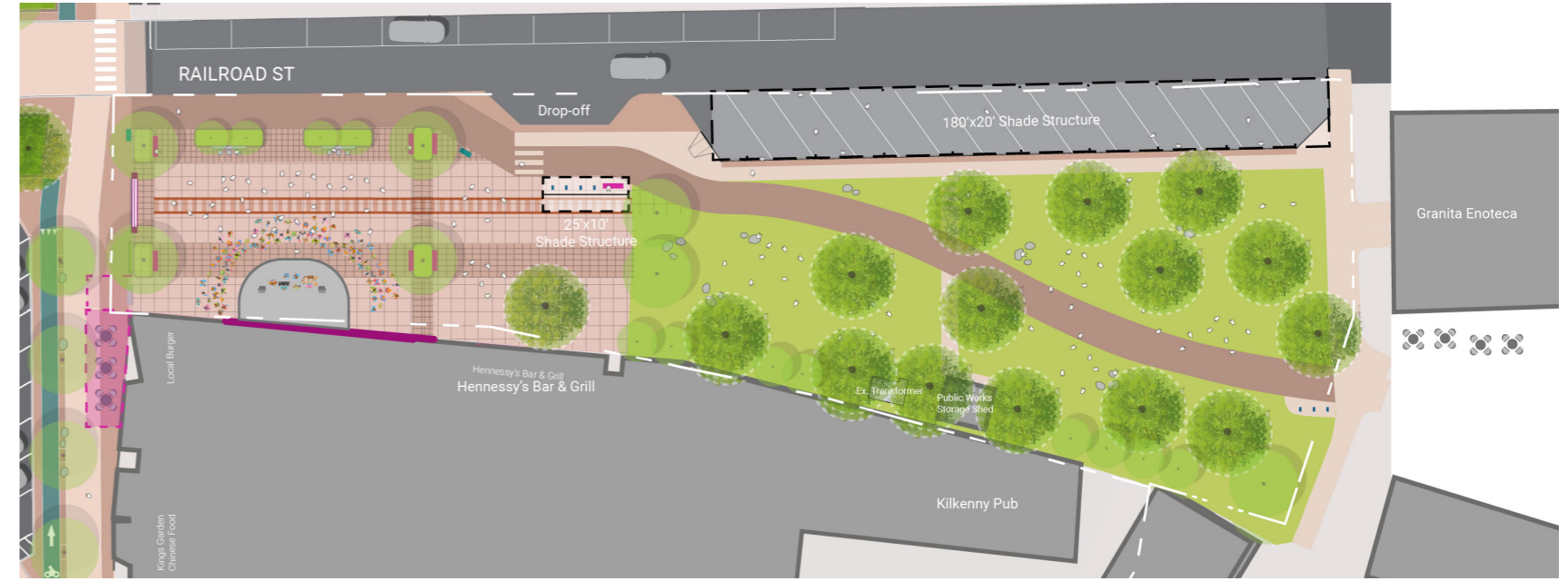
KEENE FINAL DESIGN | RAILROAD SQUARE

PROGRAMMING MATRIX

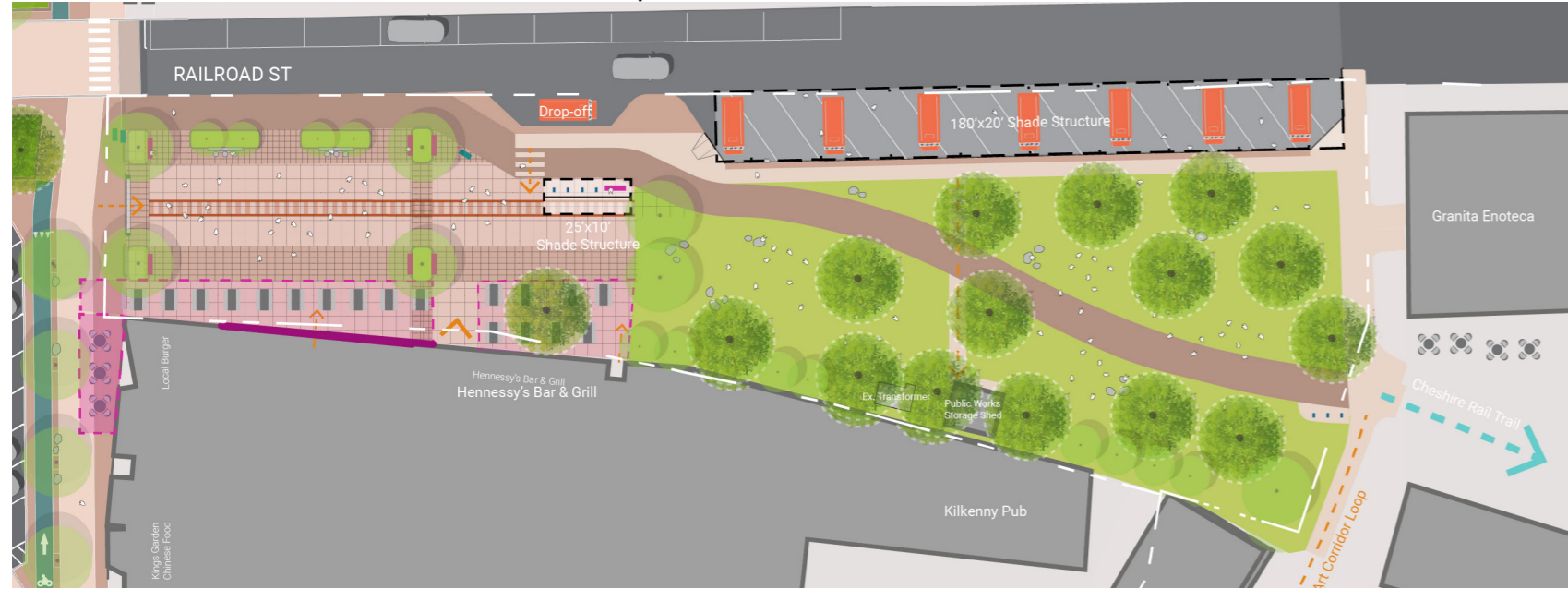
ART/FARMERS' MARKET: 30-40 TENTS | 40-64 VENDORS | 400-600 PEOPLE



PERFORMANCE: 400-600 STANDING/SITTING PEOPLE

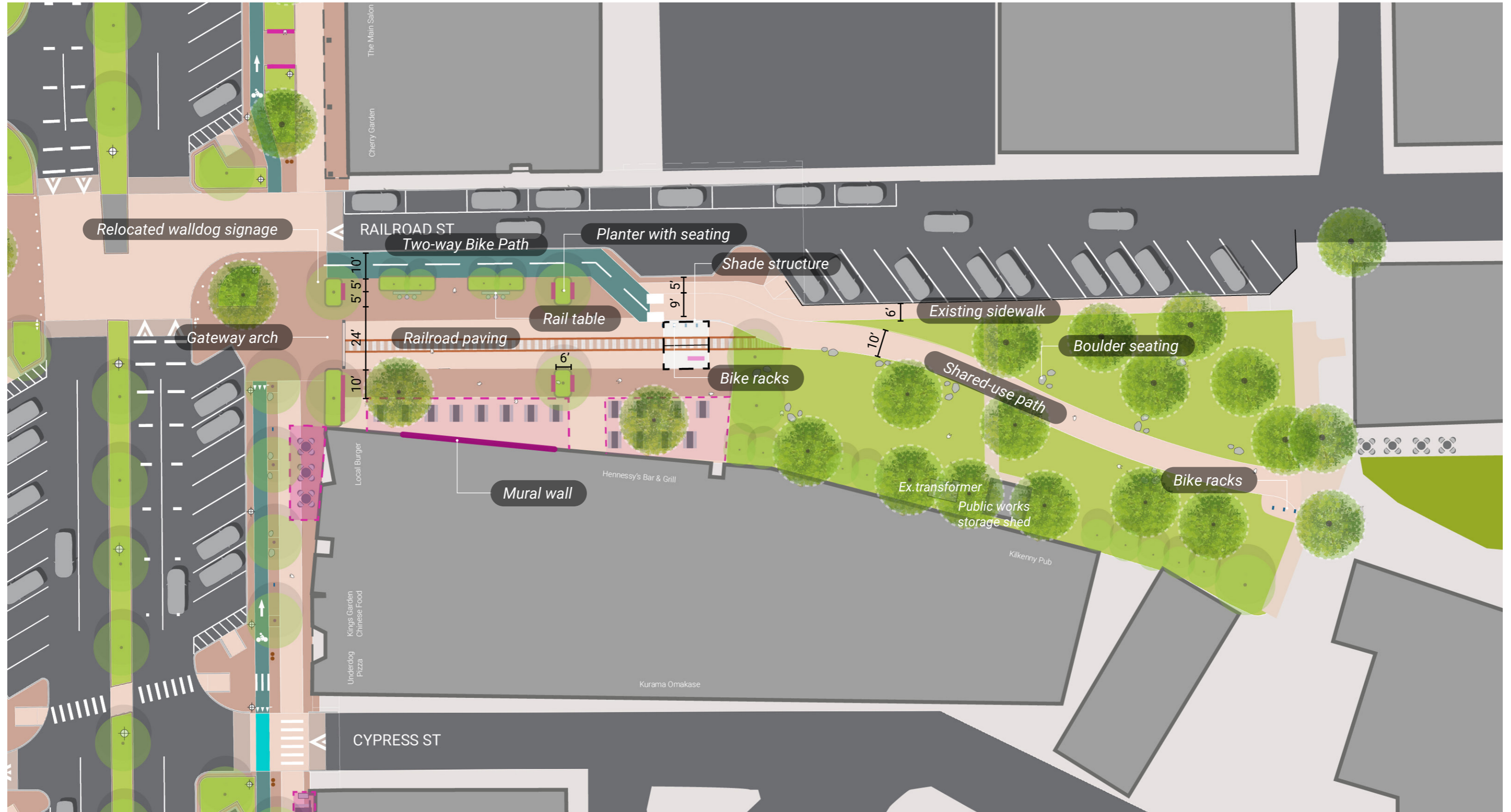


FOOD EVENT: 5-8 FOOD TRUCKS | 400-600 PEOPLE



KEENE FINAL DESIGN | RAILROAD SQUARE

CURRENT PLAN



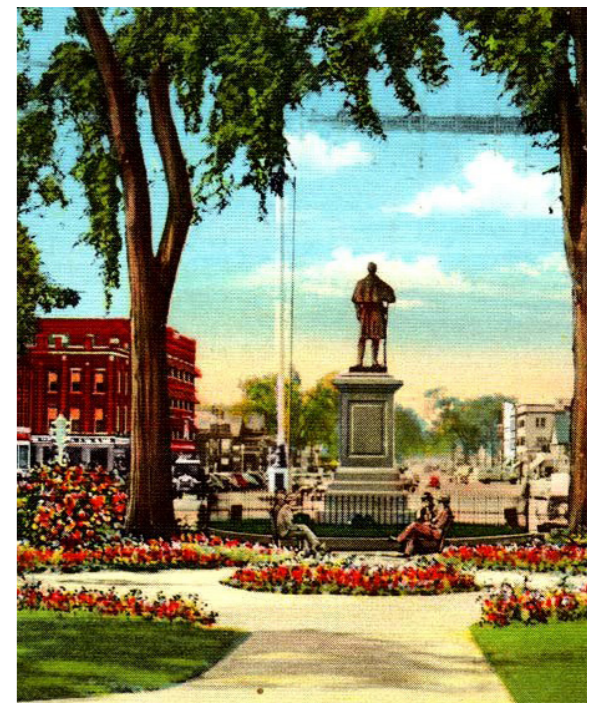
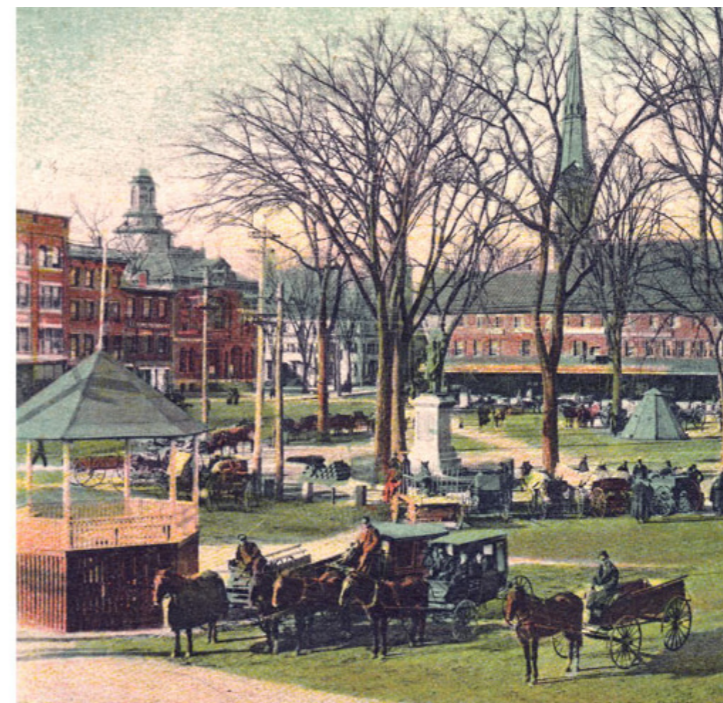
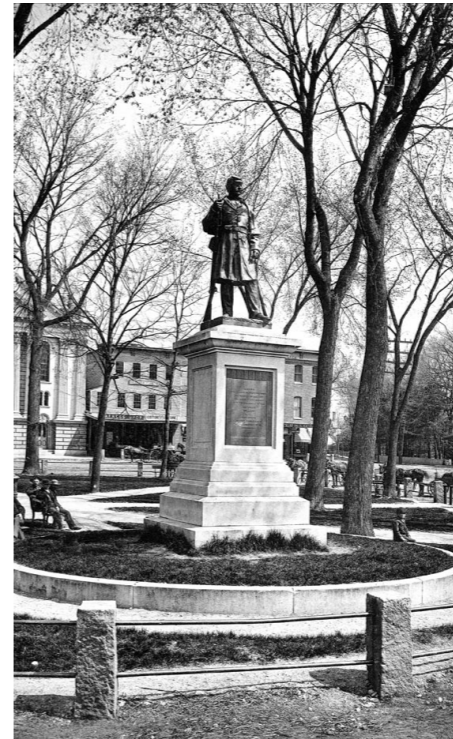
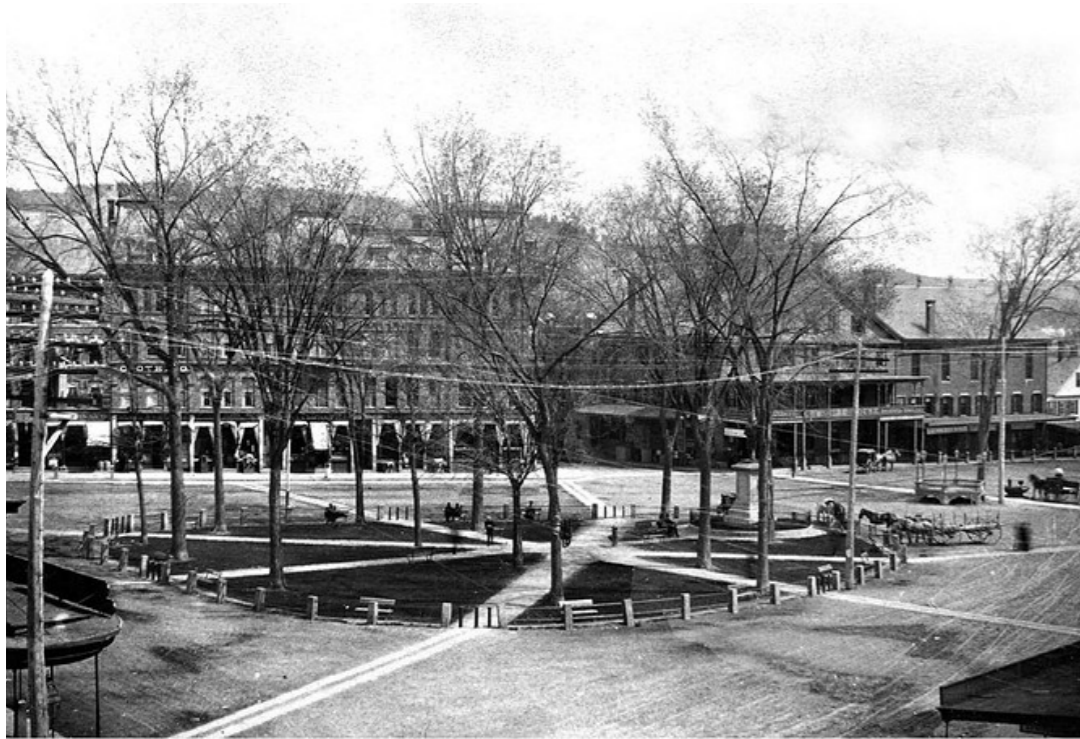
360 VISUALIZATION

RAILROAD SQUARE

CENTRAL SQUARE



KEENE FINAL DESIGN | CENTRAL SQUARE COMMON HISTORIC PHOTOS



KEENE FINAL DESIGN | CENTRAL SQUARE COMMON

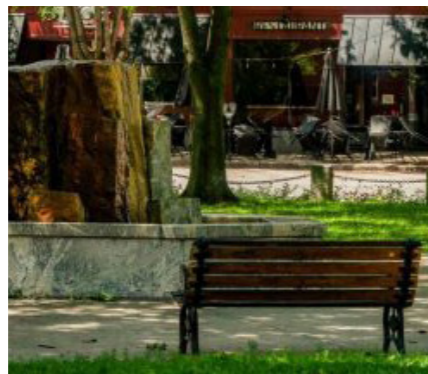
EXISTING ELEMENTS



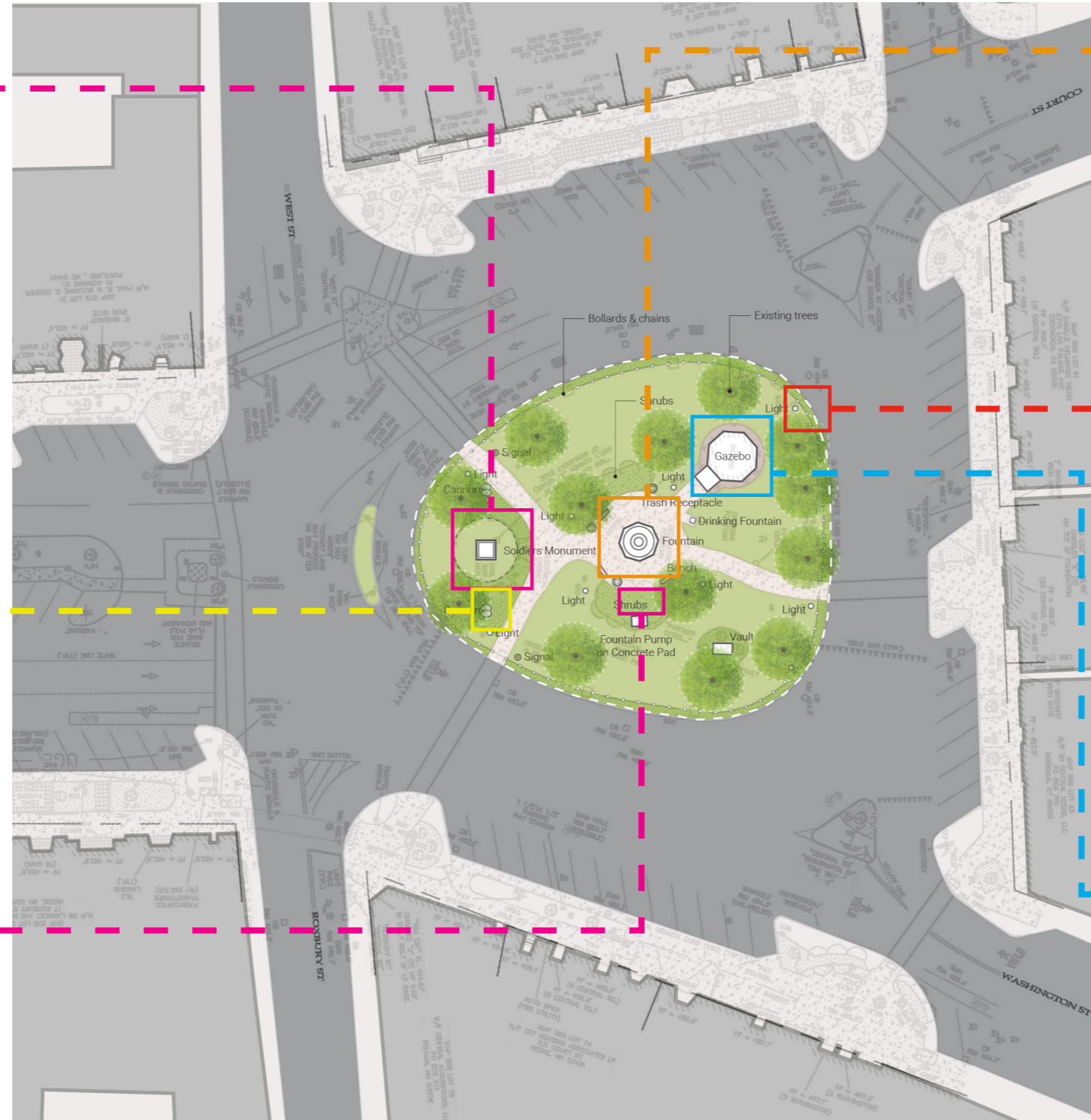
Soldiers' Monument - Should statue be moved out to the nose to be more prominent?



Cannon - Should cannon/cannonballs be moved out to the nose to be more prominent?



Bench - Should more bench seating be provided?



Water Feature



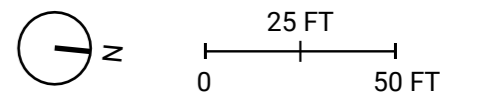
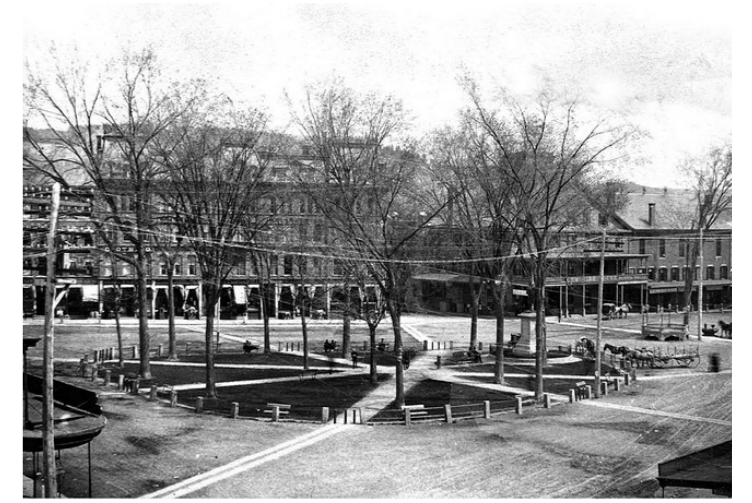
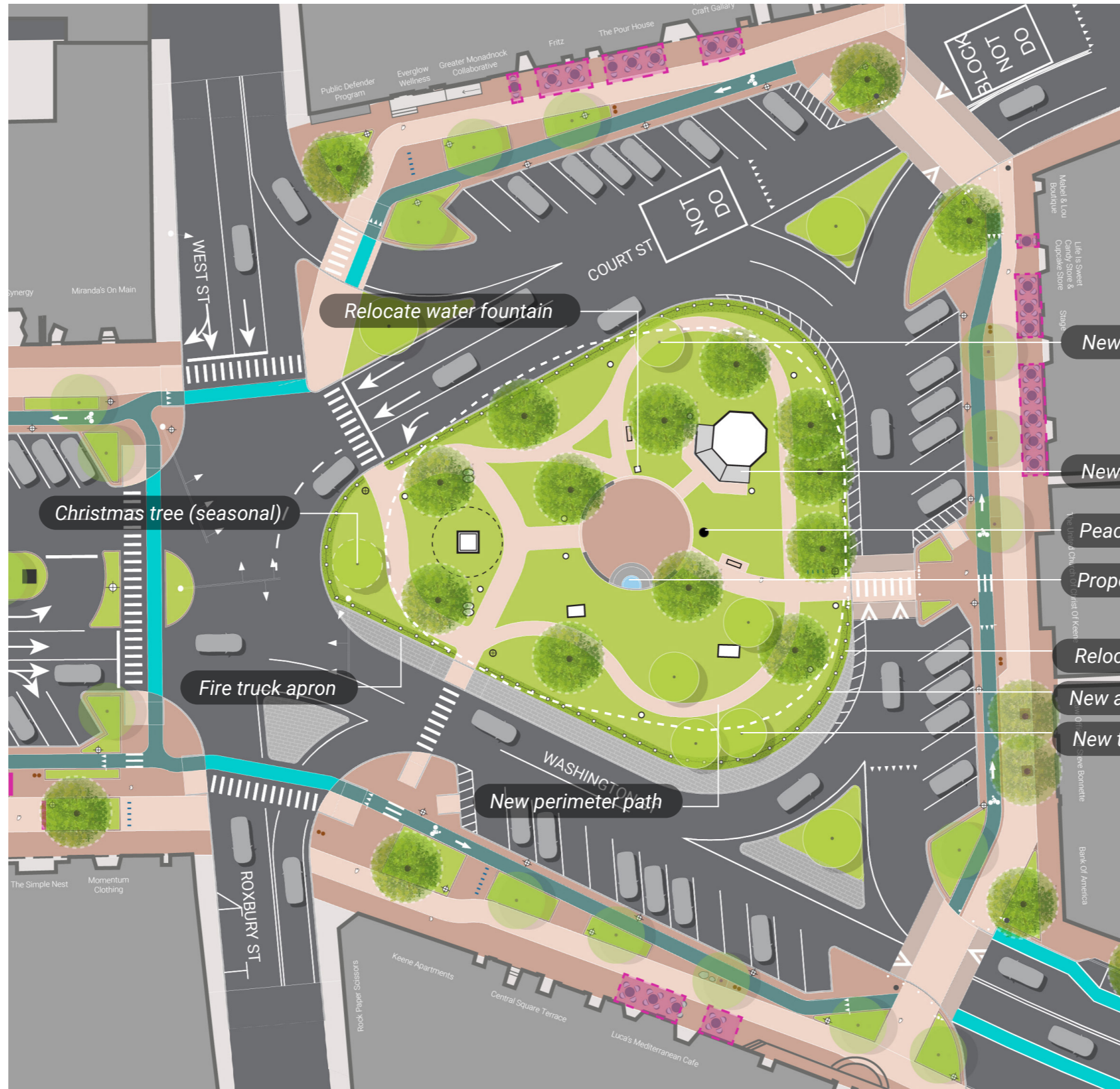
Bollard - Granite post and chain detail to be moved to perimeter?



Gazebo/Bandstand - Should Gazebo/bandstand be moved to provide more space around it? prominent?

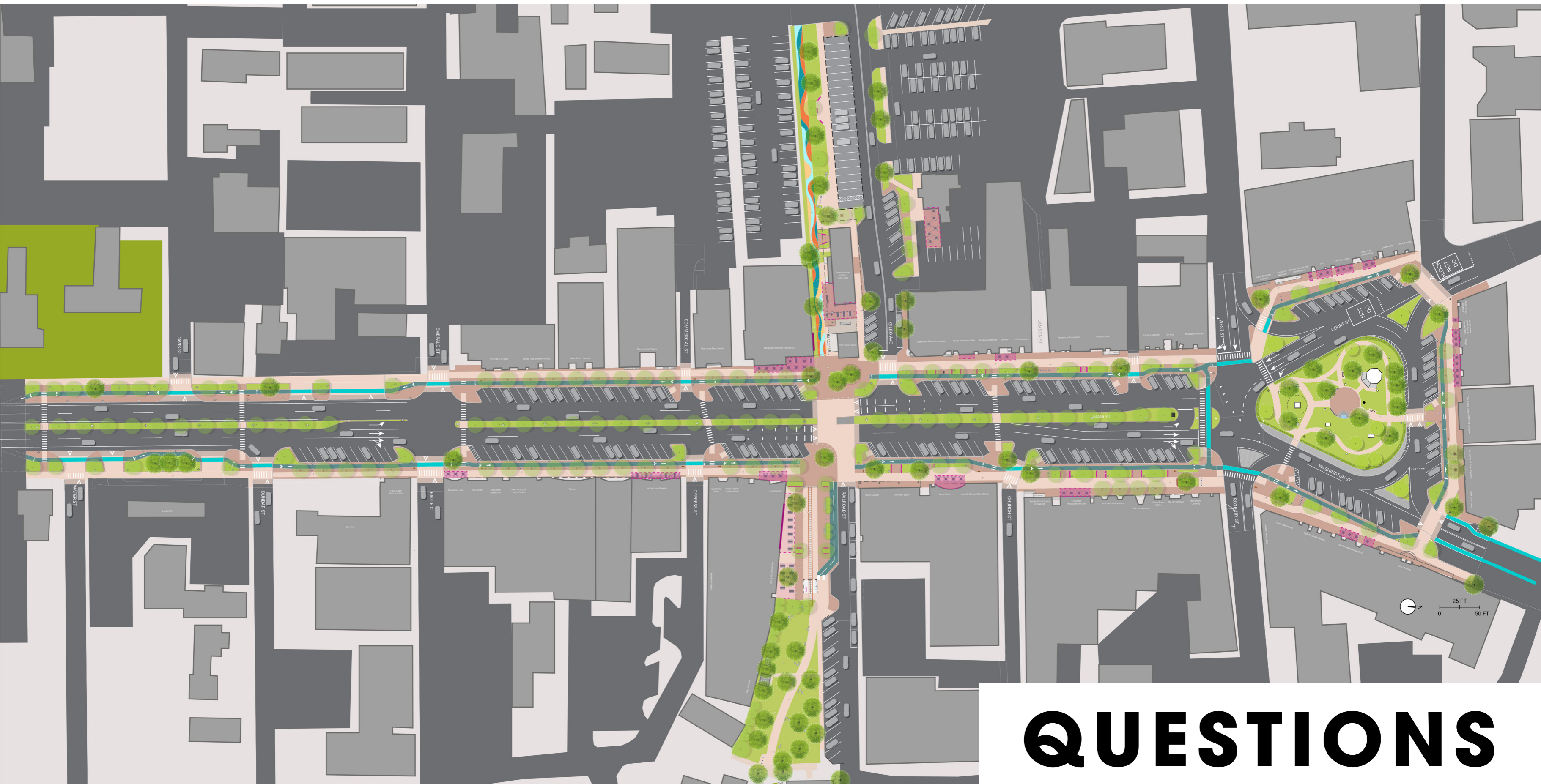
KEENE FINAL DESIGN | CENTRAL SQUARE COMMON

CURRENT PLAN



360 VISUALIZATION

CENTRAL SQUARE



QUESTIONS

KEENE PHASE 2 | GILBO AVE / RAILROAD SQUARE

RAILROAD SQUARE



WORKS WELL

- Only open space in the Downtown
- Planters provide good seating
- Trees provide good shade
- Good balance of community space for variety of users
- Access to electrical power
- Food truck location (recently revised)

DOESN'T WORK WELL

- Bike path runs through the open space
- Outdoor seating at Hennessy's on lawn, poor drainage
- Planter seating an attractive nuisance
- Pavers
- Trees restrict use

KEENE PHASE 2 | GILBO AVE / RAILROAD SQUARE

RAILROAD SQUARE



GOALS

- Equitable
- Balance of flexible open space with planting and furnishings
- Make green space more usable
- Expand hard space east
- More defined outdoor spaces for restaurants
- Bike Path to perimeter
- Electrical power - more discreet but accessible
- Opportunities for art, events, shows

KEENE FINAL DESIGN MATERIAL PRECEDENTS

PAVING Concrete

- Standard
- Exposed Aggregate
- Integral Color
- Stamped Concrete
- Sandblasted
- Jointing



Standard broom finish,
scoring pattern



Exposed aggregate



Integral color with scoring pattern



Stamped concrete - colors and pattern can vary



Sandblasted for subtle texture and pattern change



KEENE FINAL DESIGN
MATERIAL PRECEDENTS

Unit Pavers

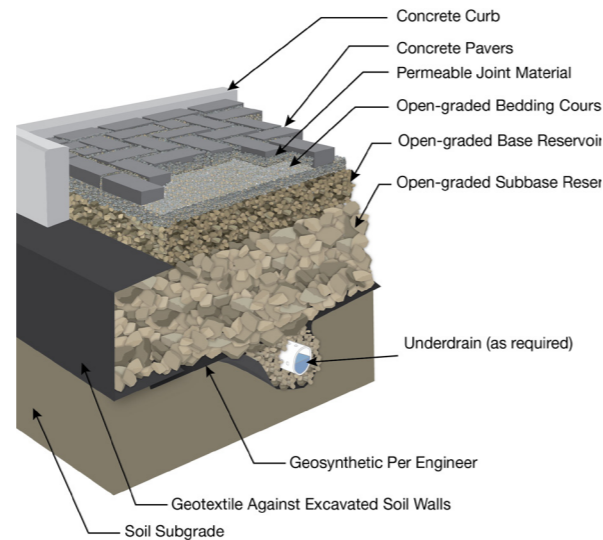
- Standard Concrete
- Permeable
- Brick

Permeable Resin Bound Paving



Concrete unit pavers - variety of colors, sizes, textures

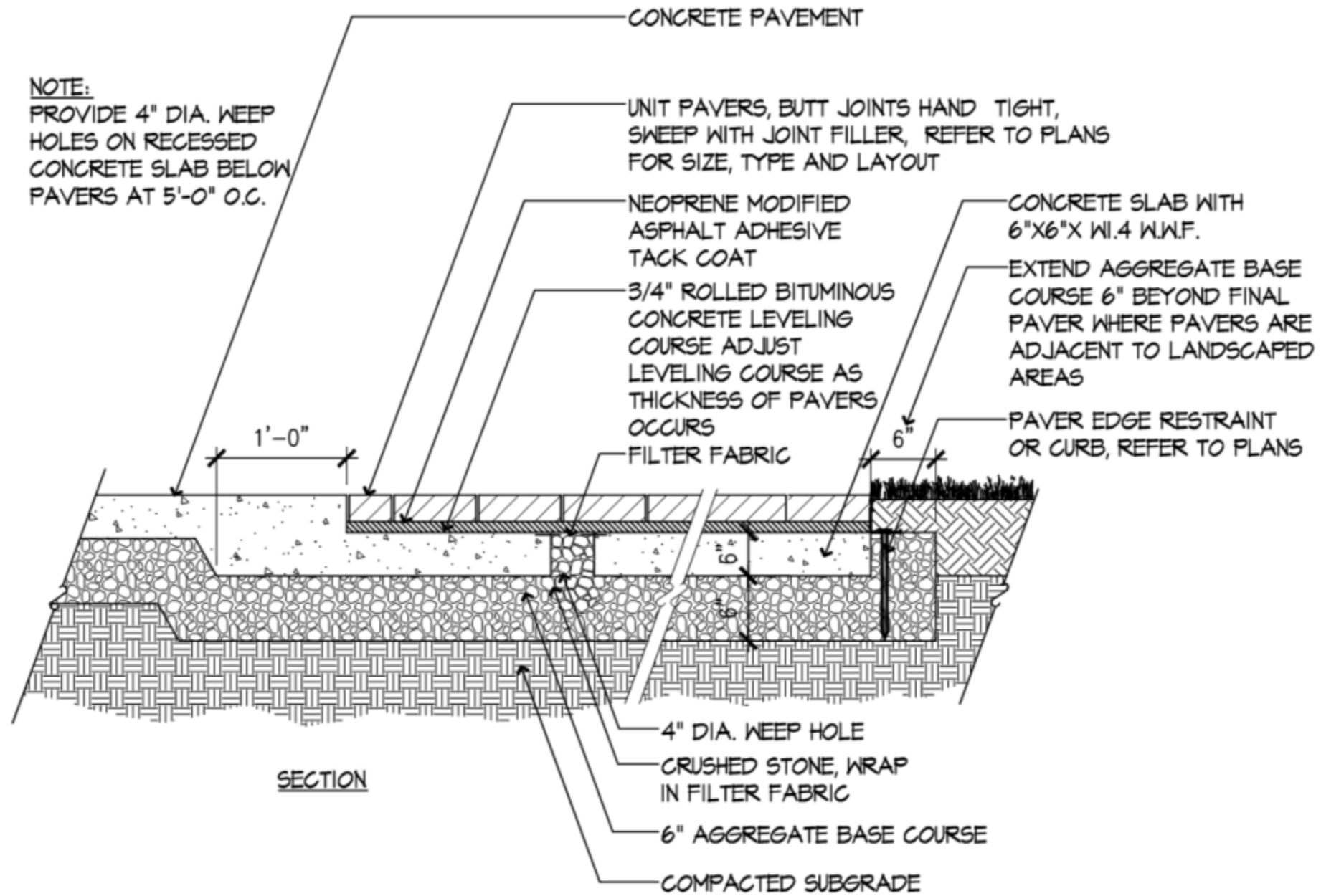
Traditional brick



Interlocking units with permeable aggregate joints

Permeable Resin Bound Paving

KEENE FINAL DESIGN
MATERIAL PRECEDENTS



7 UNIT PAVERS ON CONCRETE BASE
 SCALE: NTS

KEENE FINAL DESIGN MATERIAL PRECEDENTS

Walls/Planters

- Granite
- Precast Concrete
- Cast-in-place Concrete



Tapered granite curb



Vertical granite curb



Precast concrete curb



Cast-in-place concrete curb



Natural stone blocks



Monolithic granite block

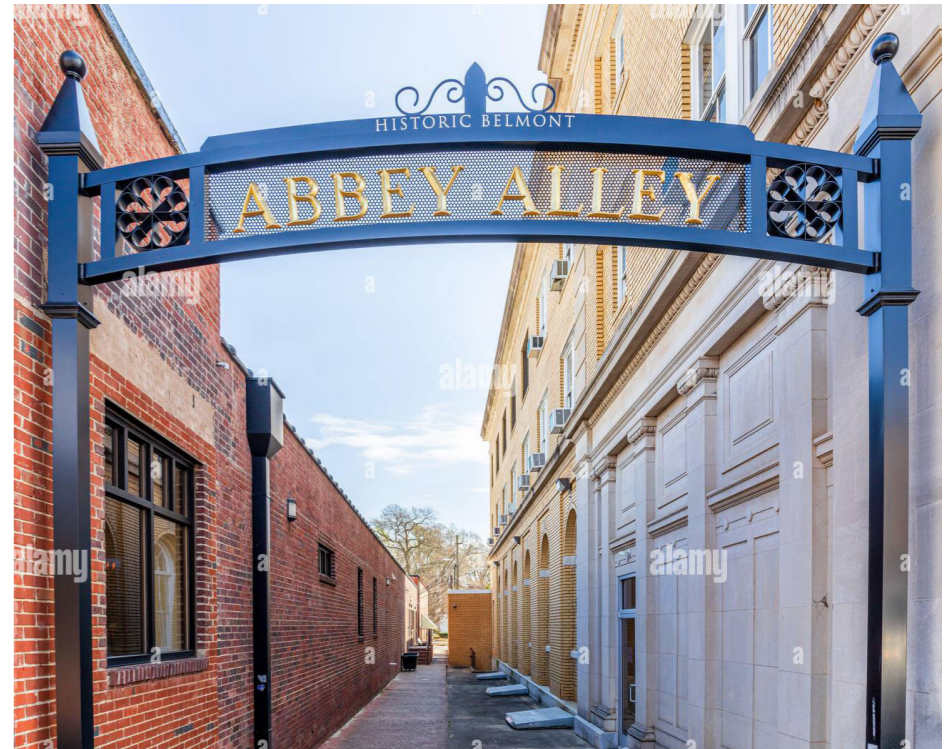


Precast concrete seatwall



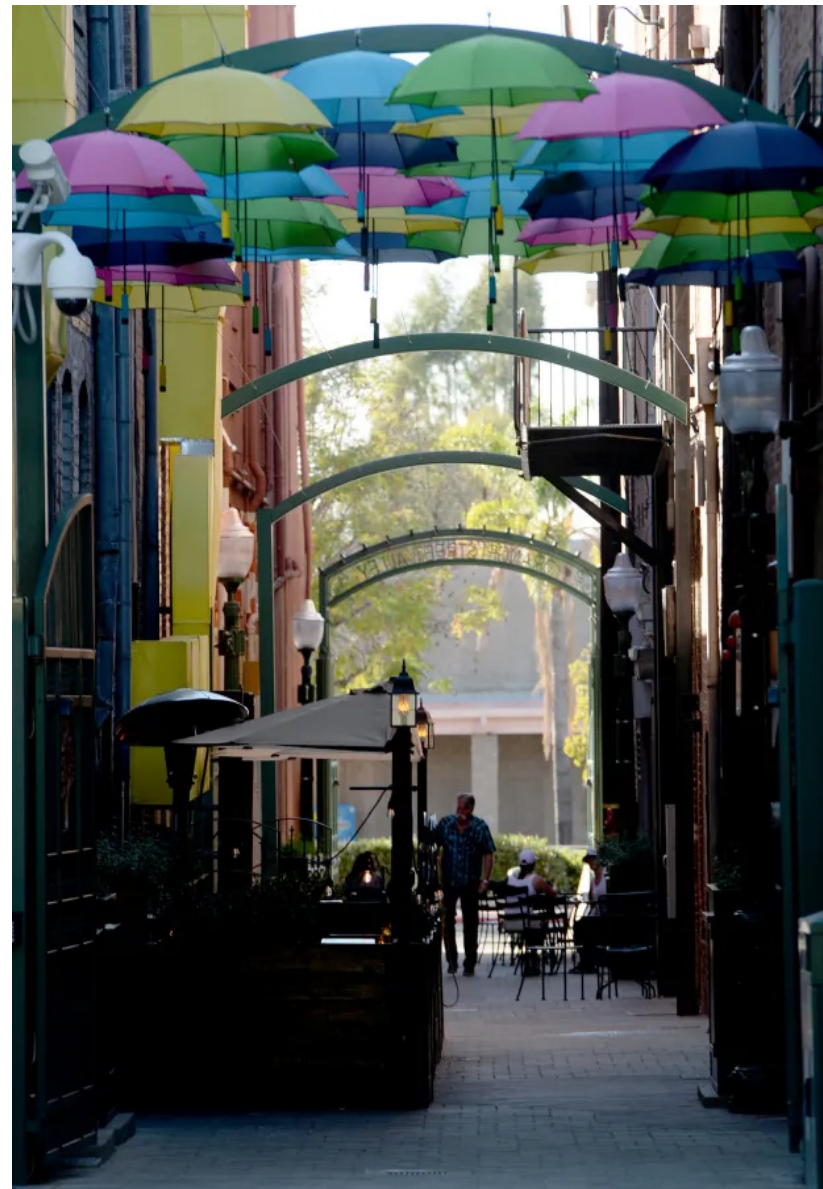
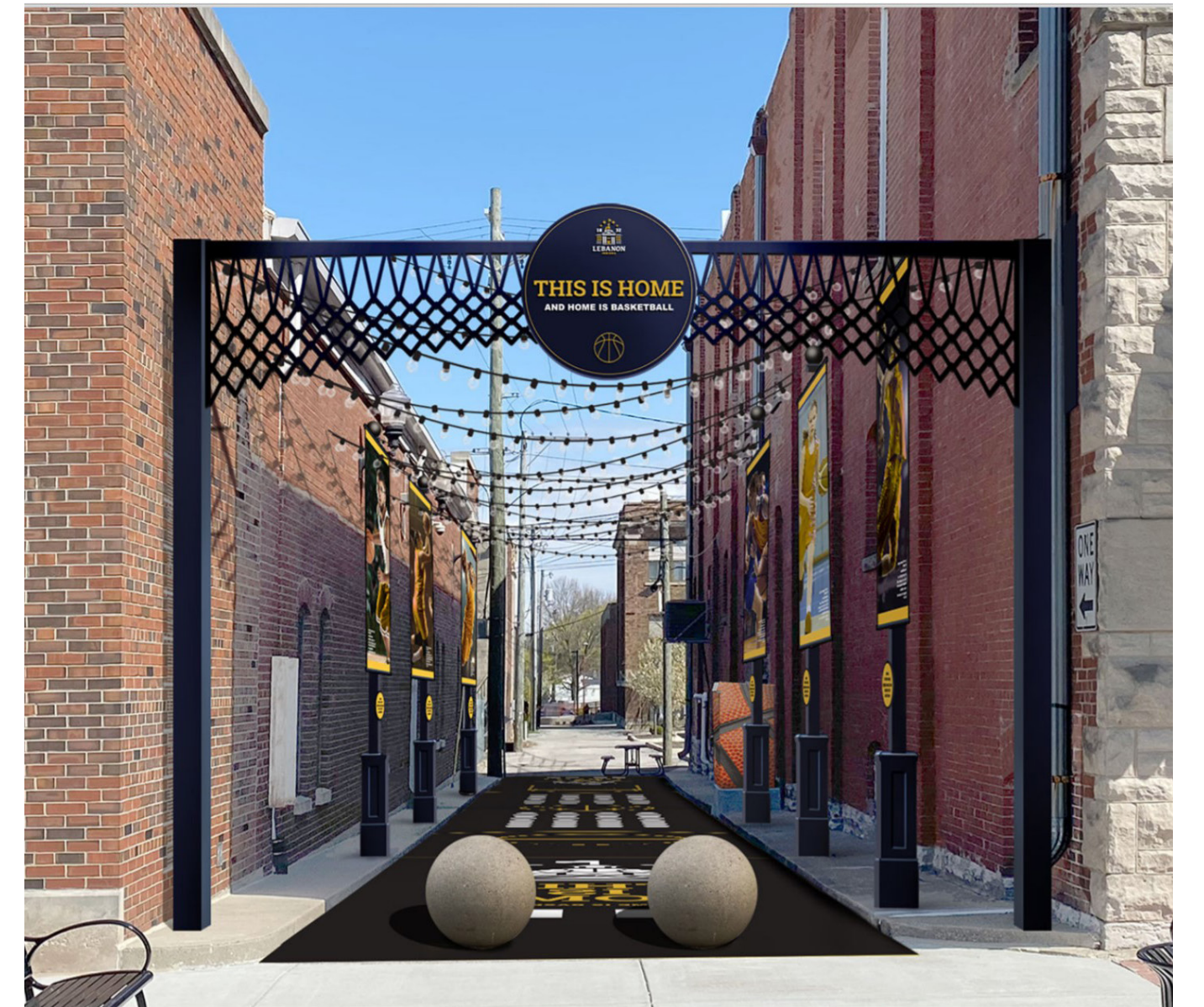
Precast concrete - flush curb to seat wall transition

KEENE FINAL DESIGN RAILROAD SQUARE - GATEWAY ARCH



KEENE FINAL DESIGN
RAILROAD SQUARE - GATEWAY ARCH





Downtown Keene Solar Pavilion

PRECEDENTS





Downtown Keene Solar Pavilion

PERSPECTIVE





Concept Option #1 - Cantilevered Structure with Top Cable Rail



Concept Option #2 - Cantilevered Structure with Side Cable Rail



Downtown Keene Solar Pavilion

CONCEPTUAL STUDIES

