

Union Square, Somerville, MA



Source: National Association of City Transportation Officials https://nacto.org/publication/urban-street-stormwater-guide/stormwater-elements/green-infrastructure-configurations/stormwater-curb-extension/



Metal extension inlet structure provides a wide opening for stormwater flow



A grated inlet prevents large floatable trash



Bioswale separates sidewalks from bike lanes and vehicular traffic



An angled curb cut with a graded



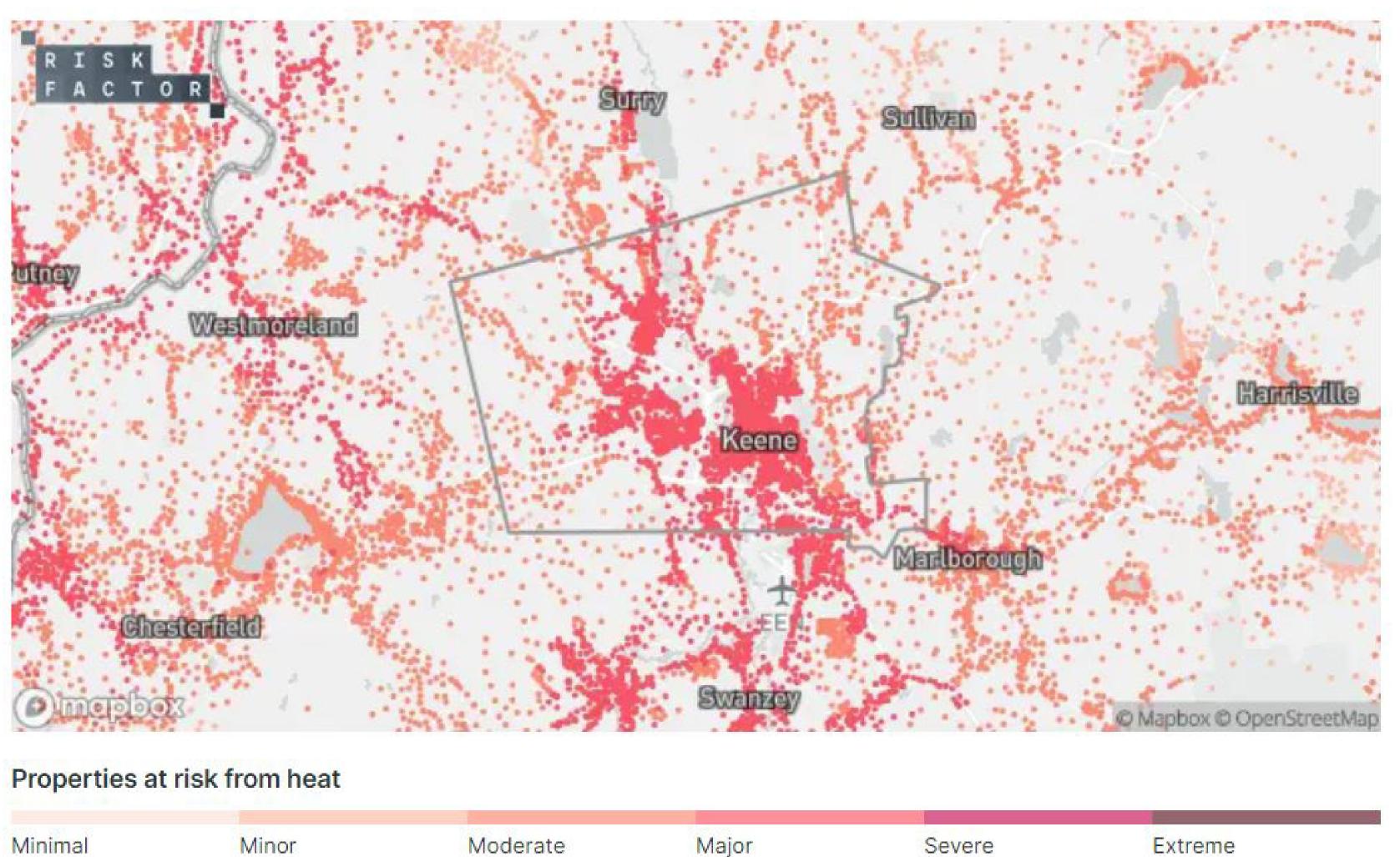
Bioretention cell in sidewalk with seating along a commercial corridor



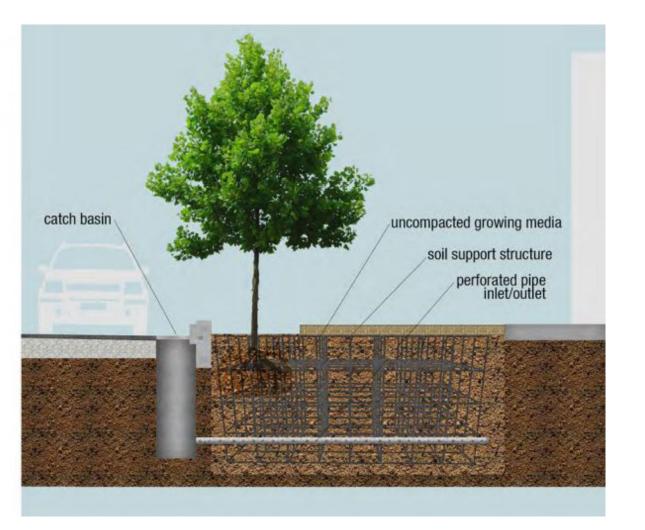
Keene Downtown Infrastructure Project

SUSTAINABLE STREETSCAPE PRECEDENTS



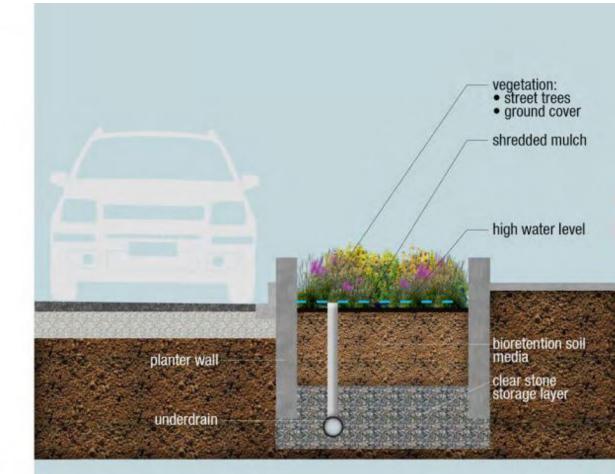








Stormwater Collection





Solar Street Light

Stormwater Tree Pit Inlet

- Trees filter and transpire stormwater while providing shade and enhancing the
- Stormwater runoff from roadway and sidewalk flows into system
- 3 Underdrain (if needed)
- 4 Stone (or other storage media) provides stormwater storage
- 5 Stormwater infiltrates through soil
- 6 Stormwater infiltrates into subgrade
- 7 Uncompacted, level subgrade
- Overflow limits amount of surface ponding



Corner
Stormwater
Bump-out

1 Vegetation filters and transpires stormwater while enhancing the streetscape
2 Stormwater runoff from roadway and sidewalk flows into system
3 Overflow limits amount of surface ponding
4 Stone (or other storage media) provides stormwater storage
5 Underdrain (if needed)
6 Stormwater infiltrates into subgrade
7 Uncompacted, level subgrade





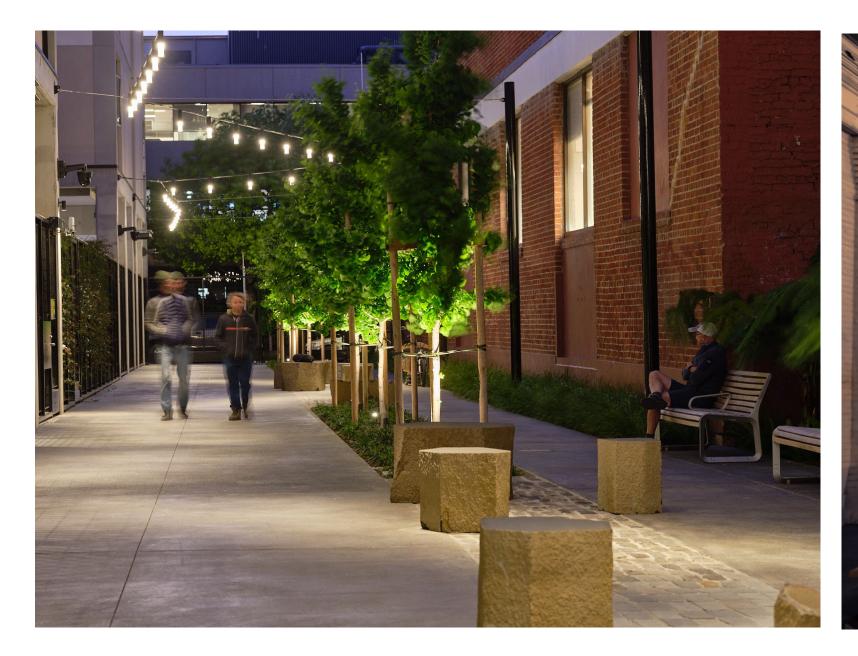
Solar Structure over Parking



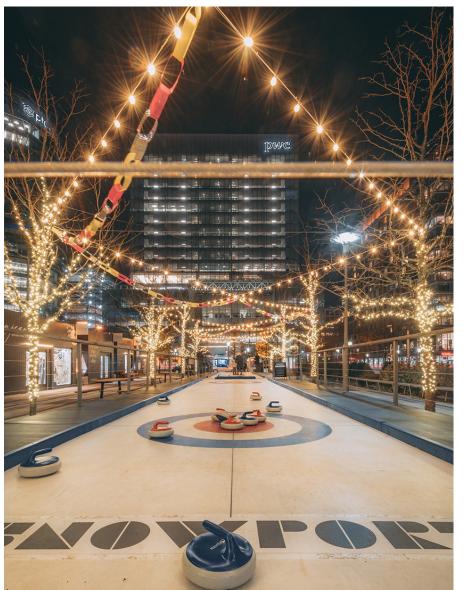


SUSTAINABLE STREETSCAPE PRECEDENTS

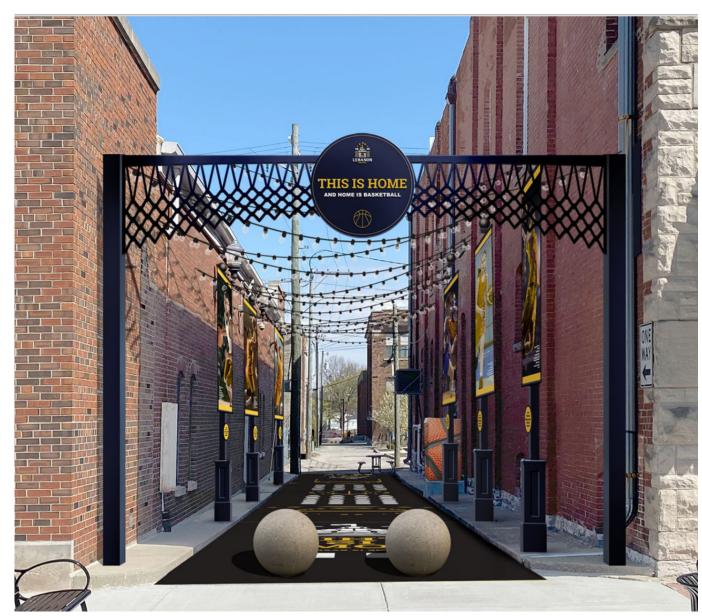


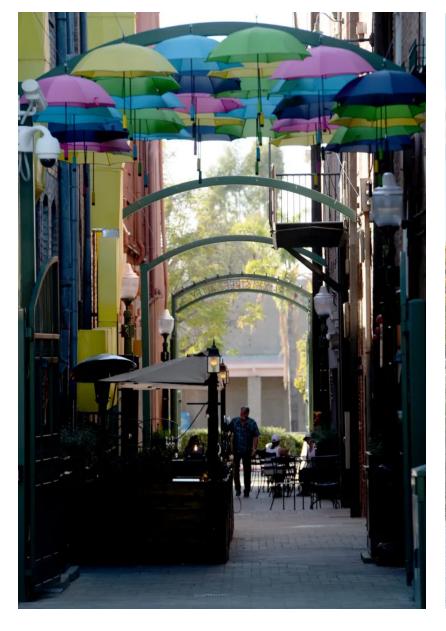


















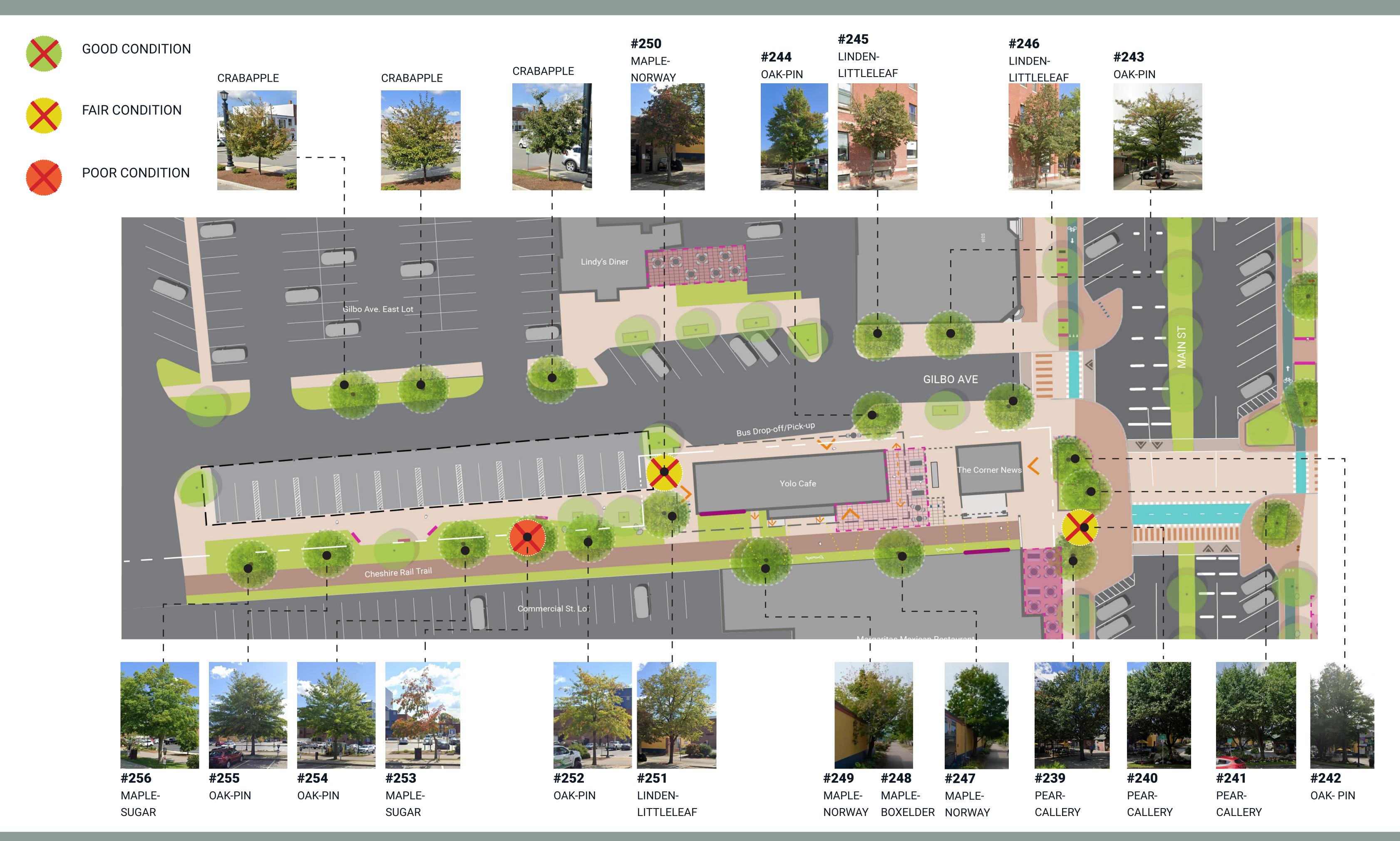














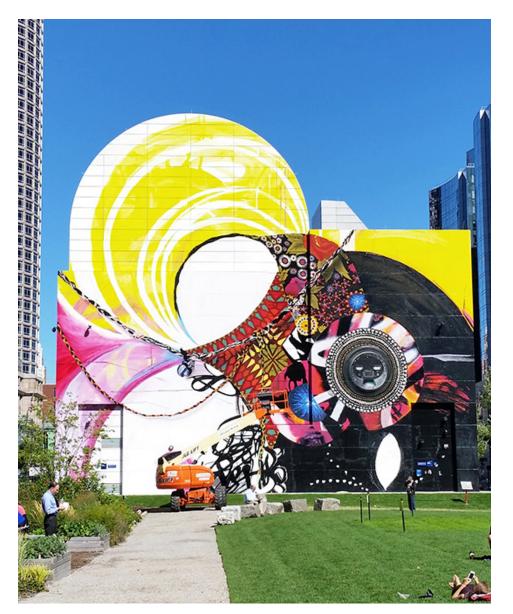
EXISTING TREE ASSESSMENT



GILBO AVENUE ALTERNATIVE CONCEPT PLAN - MAXIMIZING GREEN SPACE

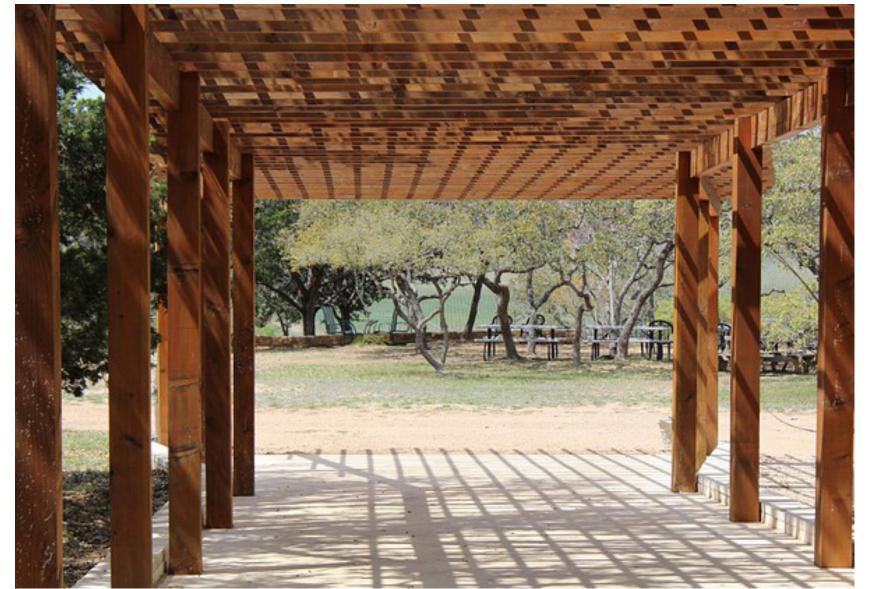












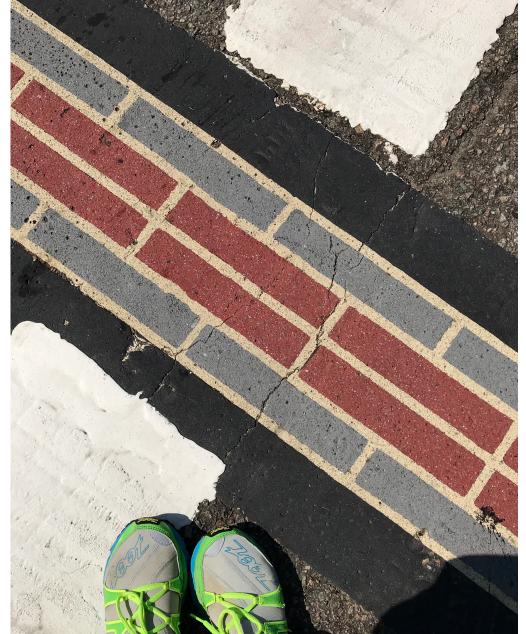








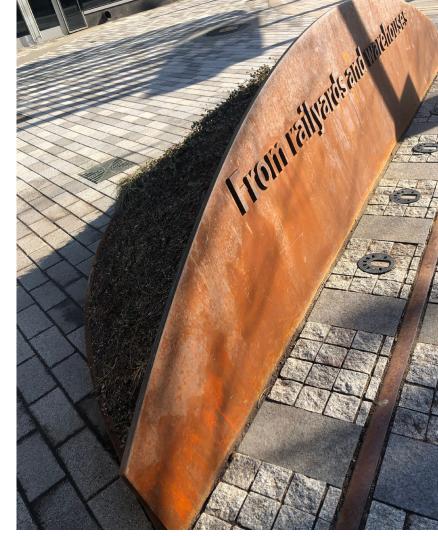














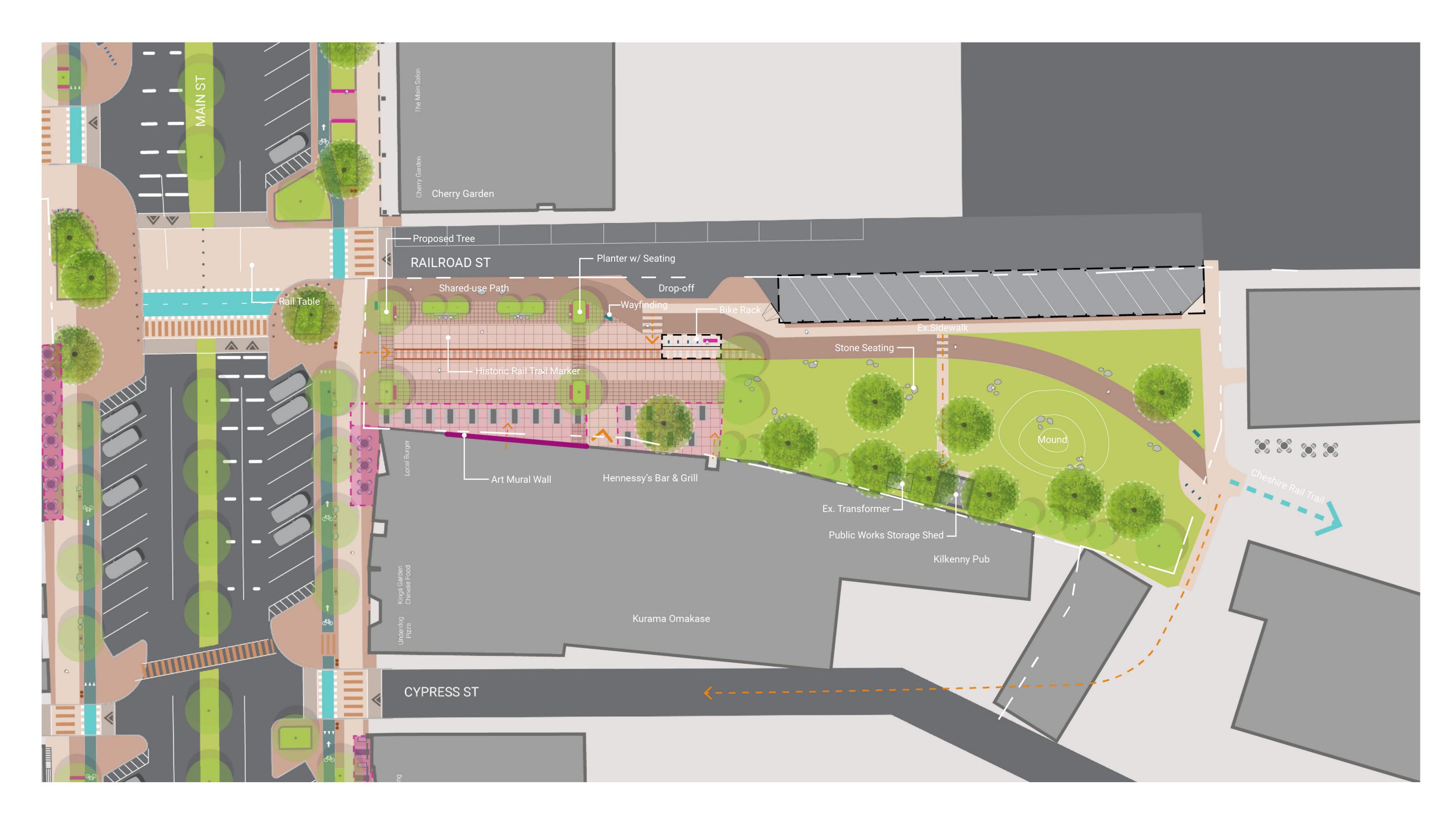








RAILROAD SQUARE ALTERNATIVE CONCEPT PLAN - MAXIMIZING GREEN SPACE



RAILROAD SQUARE ALTERNATIVE CONCEPT PLAN - MINIMAL



RAILROAD SQUARE ALTERNATIVE CONCEPT PLAN - INTEGRATING STRUCTURE

