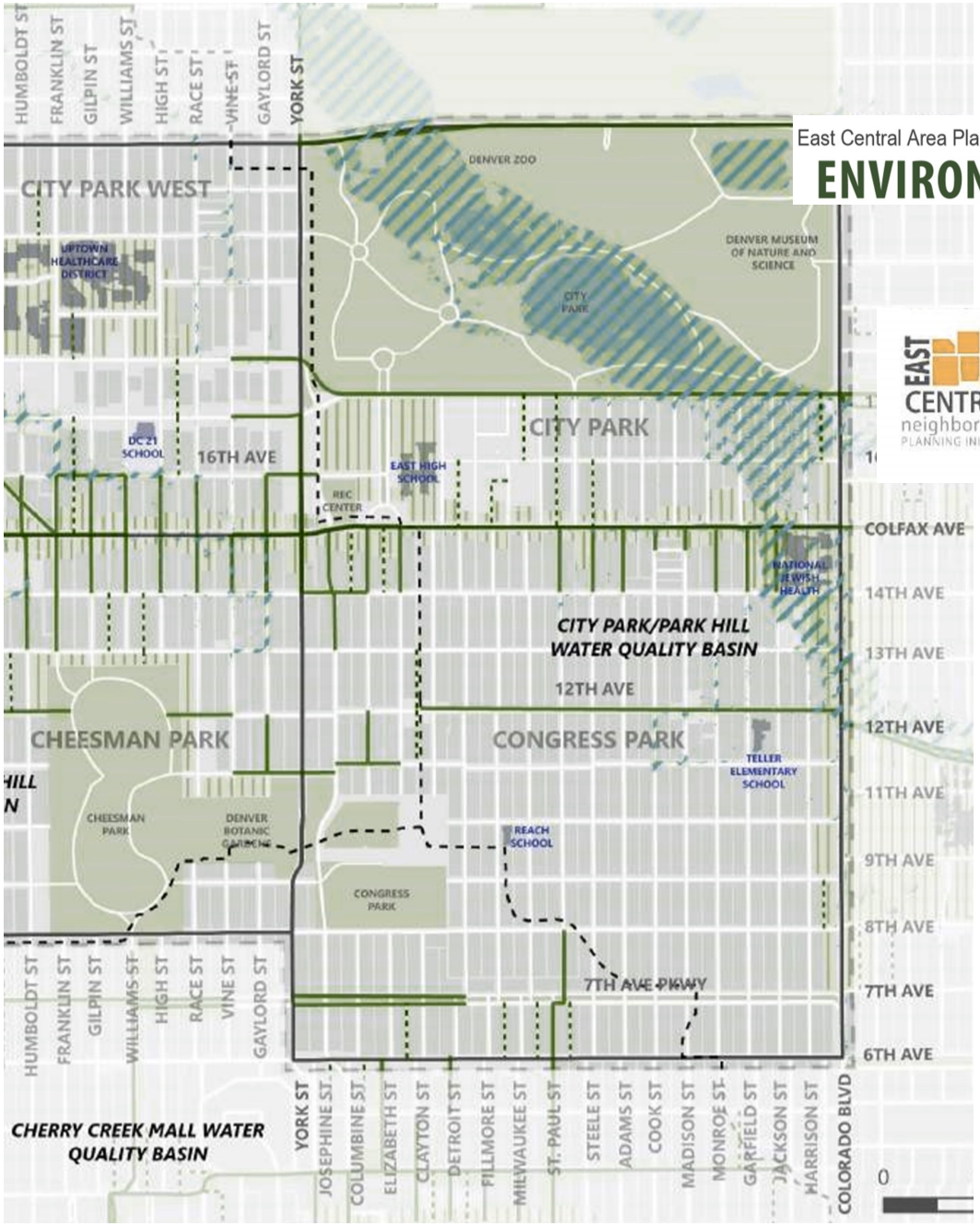
Quality of Life 2.4.3 Environmental Quality & Climate Resiliency draft-2 (190910)

East Central Area Plan — Congress Park

Source: East Central Area Plan Draft 2 90910
Date: 190923



East Central Area Plan | 2.4 Quality of Life

ENVIRONMENTAL QUALITY & CLIMATE RESILIENCY

EAST CENTRAL neighborhood PLANNING INITIATIVE

ENVIRONMENTAL QUALITY AND CLIMATE RESILIENCE TYPOLOGIES

Green Infrastructure

- **Green Streets** (Methodology GI Implementation Strategy)
- **Green Alleys** (Alleys within 50' from storm drain)
- **Green Roofs** (Follow Green Buildings Ordinance regarding buildings of 25,000 sq feet or larger. Most likely to ocurr within Civic, Campus, Community Center, Regional Center, Community Corridor, and High Residential Areas Future Place Types)

Private Property Practices (anywhere within low and low-medium residential future place type

Detention Priority Areas. Anywhere within flood prone areas

RECOMMENDATIONS — ENVIRONMENTAL QUALITY AND CLIMATE RESILIENCE

Q7

POLICY

Increase the pervious surface coverage through the design and implementation of green infrastructure systems to increase environmental performance (infiltration, evaporation, evapotranspiration, carbon sequestration, shade, and urban heat).

BACKGROUND

The East Central area's impervious surface coverage is higher than the City's average. High impervious surface coverage results from historical development patterns in which permeable surfaces are replaced with roads, parking lots, sidewalks, and rooftops. These patterns have impacted the quality -of -life for East Central community members by increasing stormwater runoff, reducing rainfall absorption, and increasing air temperature. Native vegetation was the community's second highest priority for making East Central more resilient, and 20% of the comments under the Environmentally Resilient category within the East Central area were related to the increase and presence of impervious surfaces.

STRATEGIES (PRIORITIES IN BOLD)

A. Explore opportunities to convert existing impervious surface within public right-of-way to pervious surface through the addition of street trees, tree lawn or bulb-outs, trails, parkland or native vegetation
   - Coordinate with the design of future Contemporary Parkways.
   - Integrate with BRT design along Colfax Avenue and redesign of public right-of way streetscape and remnant parcels to improve infiltration and reduce runoff.

B. Develop design guidelines for a contemporary tree lawn
   - Remove and replace impervious areas between the sidewalk and street with 4"-6" depressed lawn or streetscape that improves infiltration and reduces runoff.
   - Coordinate implementation through Public Works roadway, stormwater and sanitary projects within the right-of-way.
   - Increase the requirements for pervious acreage, water conservation in landscaping and inclusion of natural vegetation for redevelopment and new development.
   - Work with private property owners, Colfax Avenue Business Improvement Districts and other neighborhood organizations to transition underutilized paved lots to pervious surfaces.