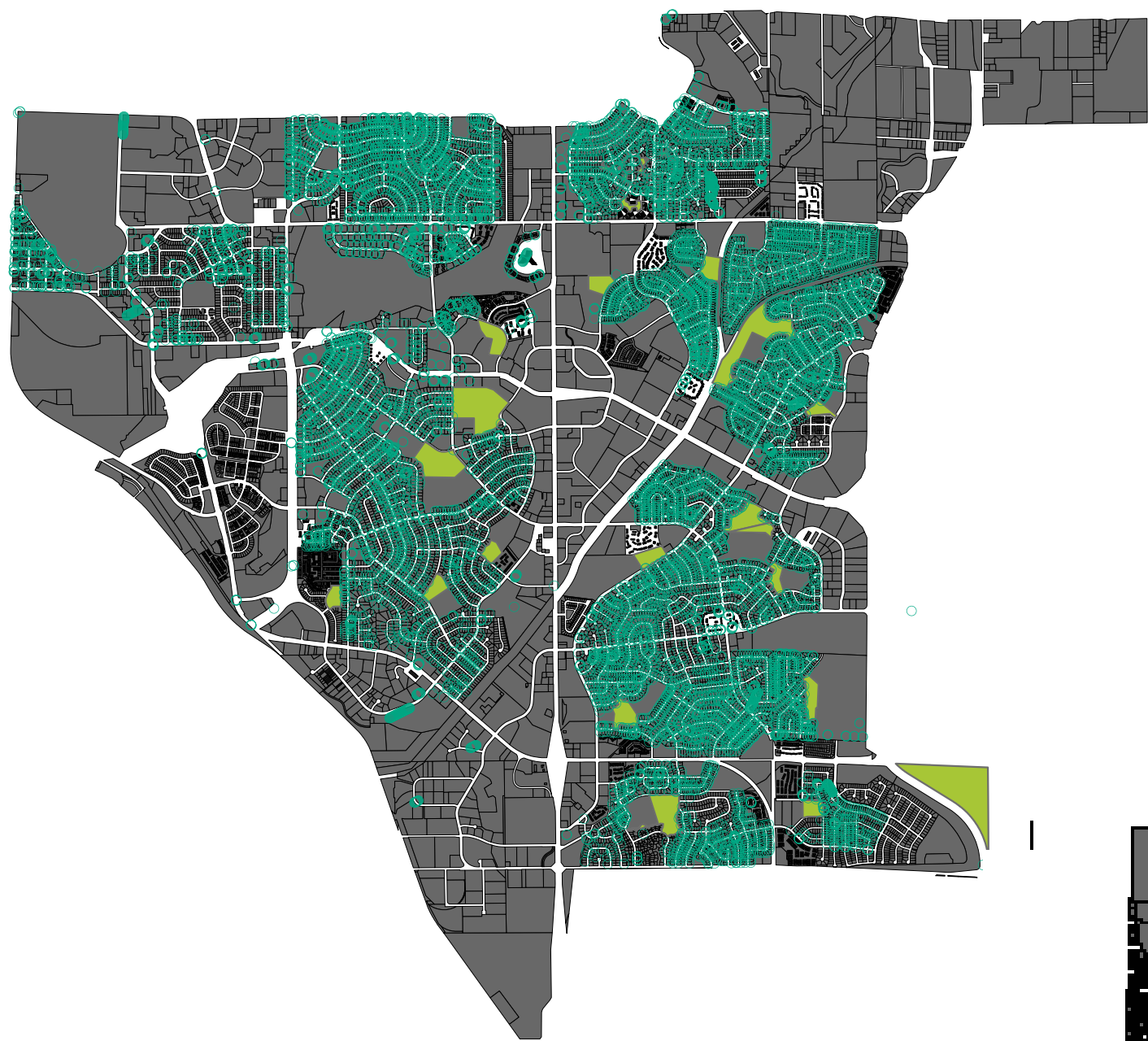


SOUTHEAST COMMUNITY PLAN: MITIGATING THE URBAN HEAT ISLAND

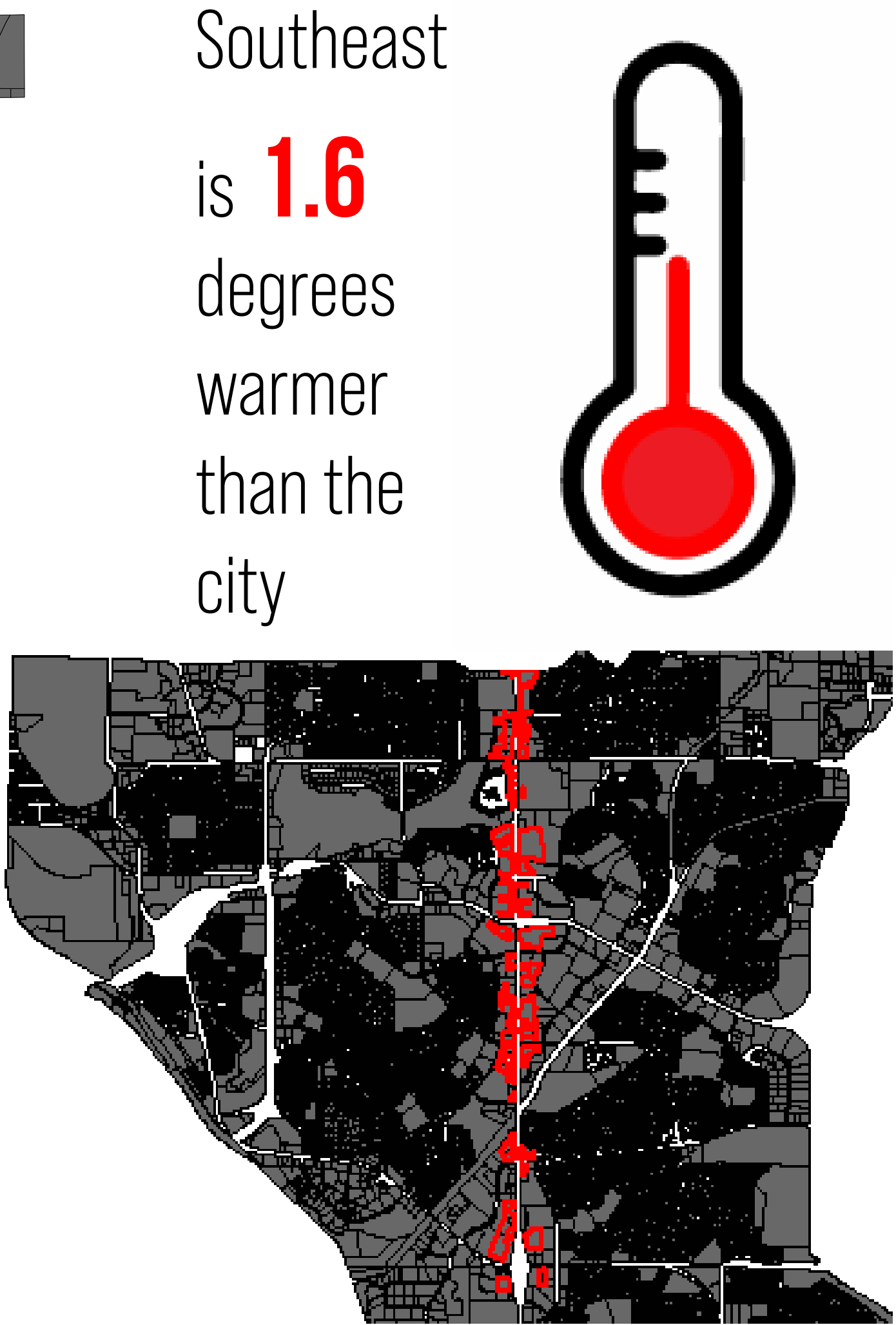
DEFINING THE URBAN HEAT ISLAND

The urban heat island (UHI) is characterized by the temperature difference experienced in rural versus urbanized areas and, on average, urban areas tend to be 20 degrees warmer. The urban heat island is felt all-year round, but can be deadly during heat waves and is felt disparately in low-income communities and communities of color. Mitigating UHI provides opportunities for equitable economic development and place-making.

EXSITING CONDITIONS



The map above demonstrates that there is a *lack of vegetation and green space* along Academy Boulevard. The map to the right illustrates the existing parking lots along a 3.5 mile stretch of the corridor.

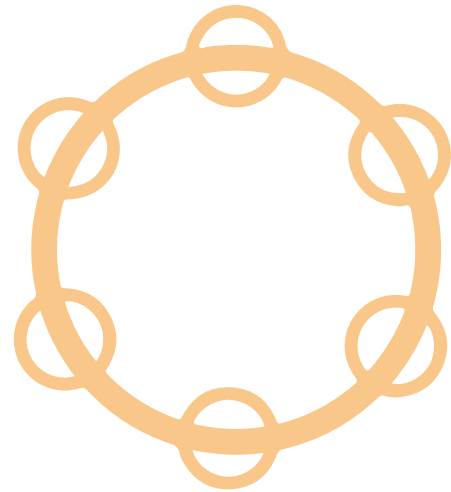


Southeast
is **1.6**
degrees
warmer
than the
city

Academy Boulevard has **120 ACRES** of parking lots within the study area

RE-ZONING FOR SUCCESS

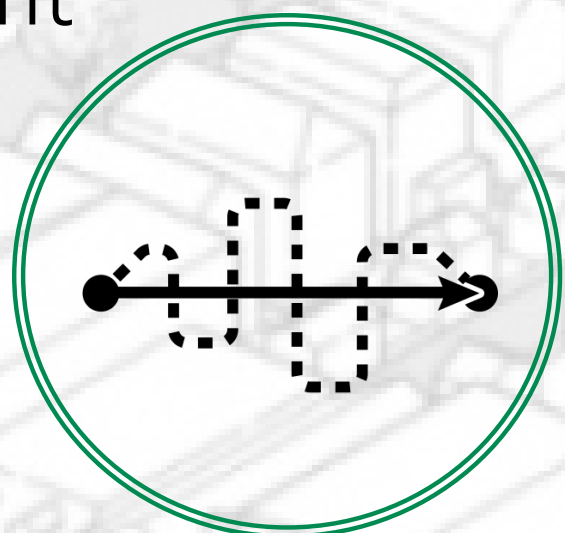
It is recommended that a form-based code be developed and applied to the Academy Boulevard corridor to enhance activity and implement measures aimed at mitigating UHI.



Provides a guide
for harmounious
development

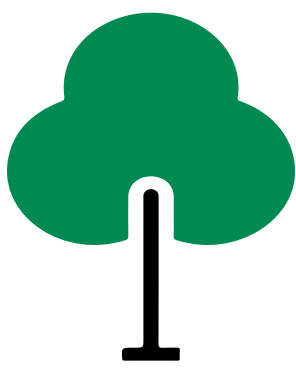


Developed around a
community vision



Streamlines the
development process

INDICATORS OF UHI



Lack of vegetation and
open space



Exposed pavements



Building mass and
form

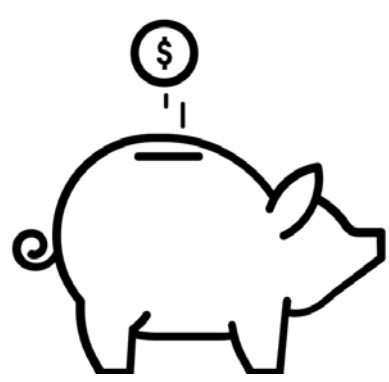
DEMOGRAPHICS



58% of residents
identify as BIPOC



19% of residents
are vulnerable to the
effects of heat



40% of residents live
at or below the poverty
line

UHI MITIGATING MEASURES

» Require shade
trees

» Open-space
requirement for
new development

» Consider parking
maximums

» Shade public right of
ways

» Covered parking
stalls

» Cool roof requirement

» Encourage varying
heights

