

Maryland's 2nd Statewide Brownfield Conference

Brownfields: A Walk in the Park for All

Wednesday, November 16, 2022

Virtual

Leonardtown W

Knowledge Co-production
&
Community Engagement:
A Framework for Equitable
Brownfields Development

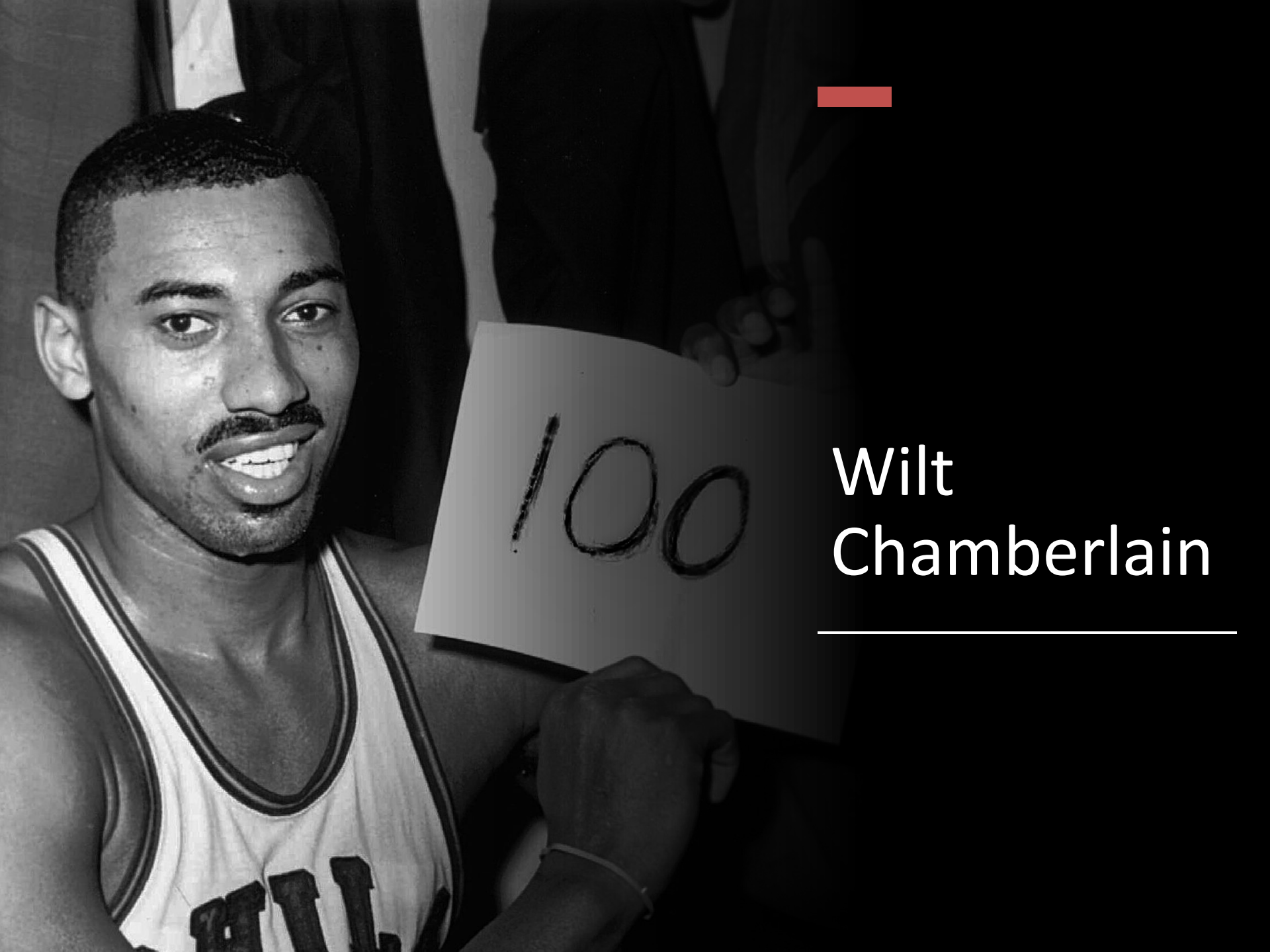
Jerome Shabazz
Overbrook Environmental Education Center

Building Knowledge Infrastructure



Overbrook High School





Wilt
Chamberlain



Guion
"Guy"
Bluford

Will Smith



80ft



What is the Social Architecture of the Community?







Former Supermarket
&
Construction Supply Center



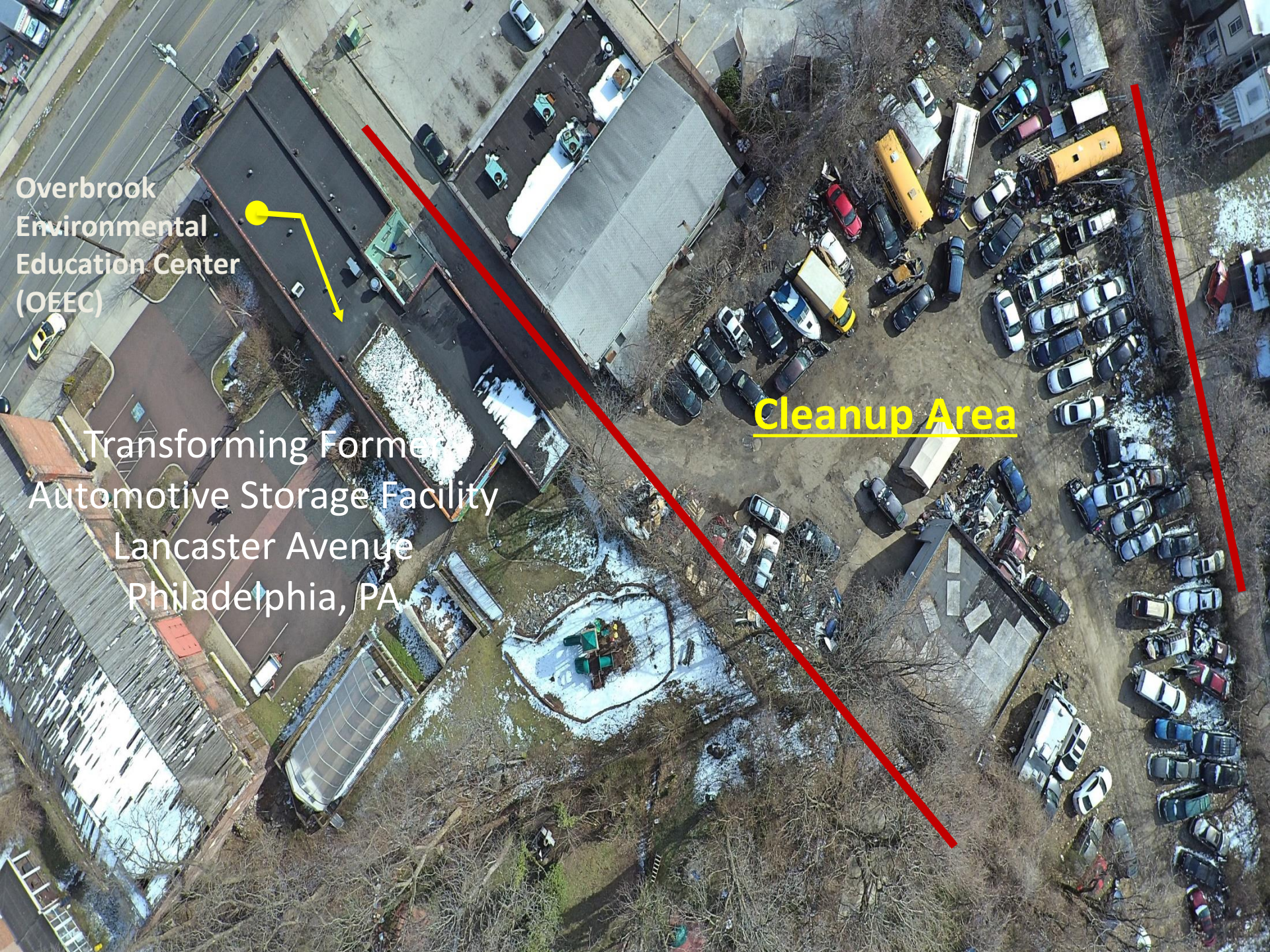


Overbrook
Environmental
Education Center
(OEEC)



Transforming Former
Automotive Storage Facility
Lancaster Avenue
Philadelphia, PA

Cleanup Area



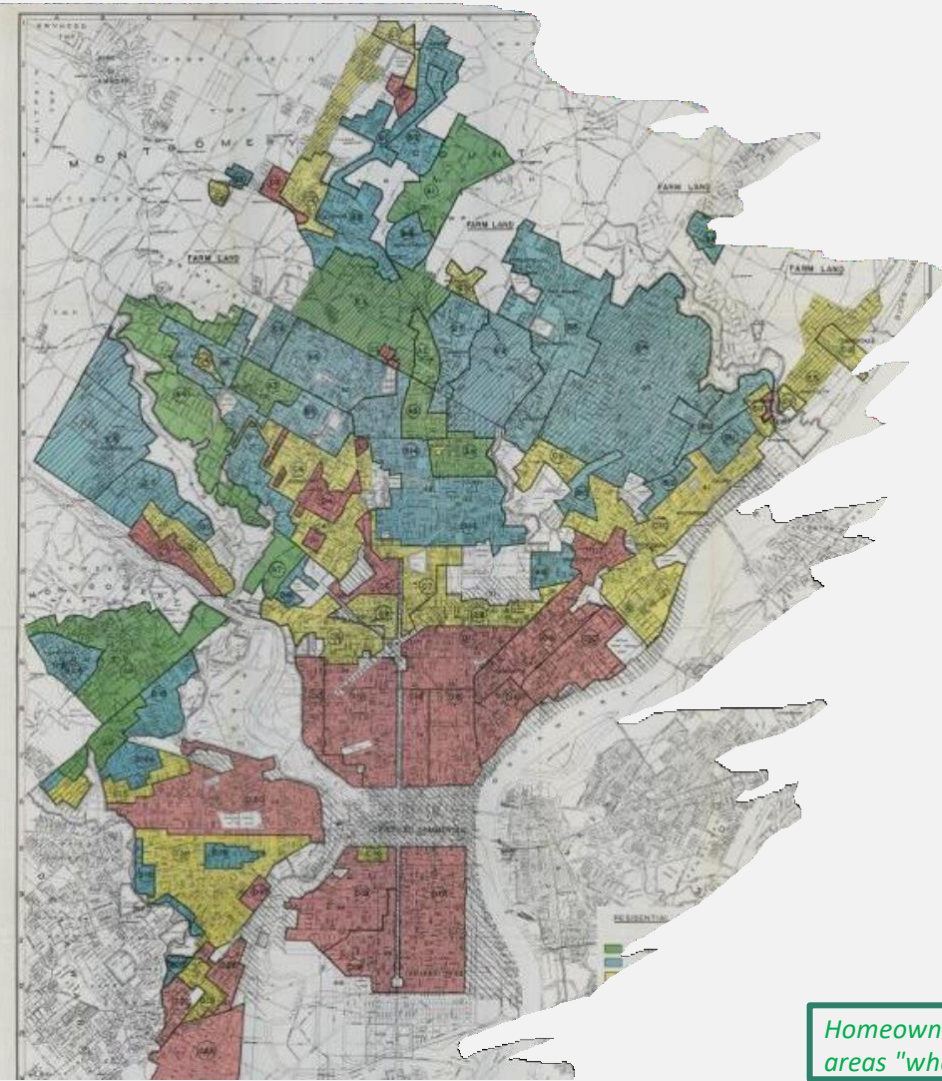


*These conditions are surrounded
by
Neighbors and their homes...*

REDLINING⁸

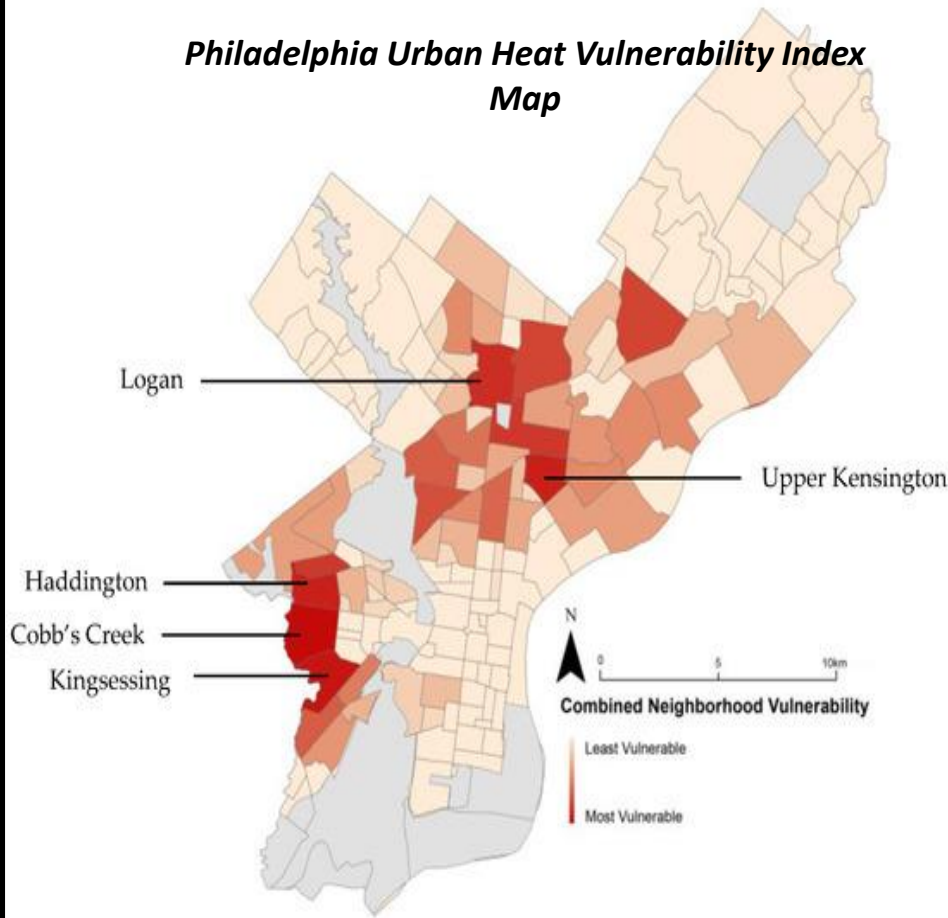
- Redlining: a Form of segregation based on housing and city lines to force communities of color into less desirable, viable sections of cities
- Led to the formation of dominantly white suburban areas forcing people of color into the worse quality housing areas in urban areas
- Federal Housing Administration would not give housing to African Americans in the "white" areas and would not insure mortgages in African American neighborhoods

*Homeowner's Loan Corporation map of Philadelphia from 1937. Red parts indicate areas "where lending and investments were discouraged"*³⁰

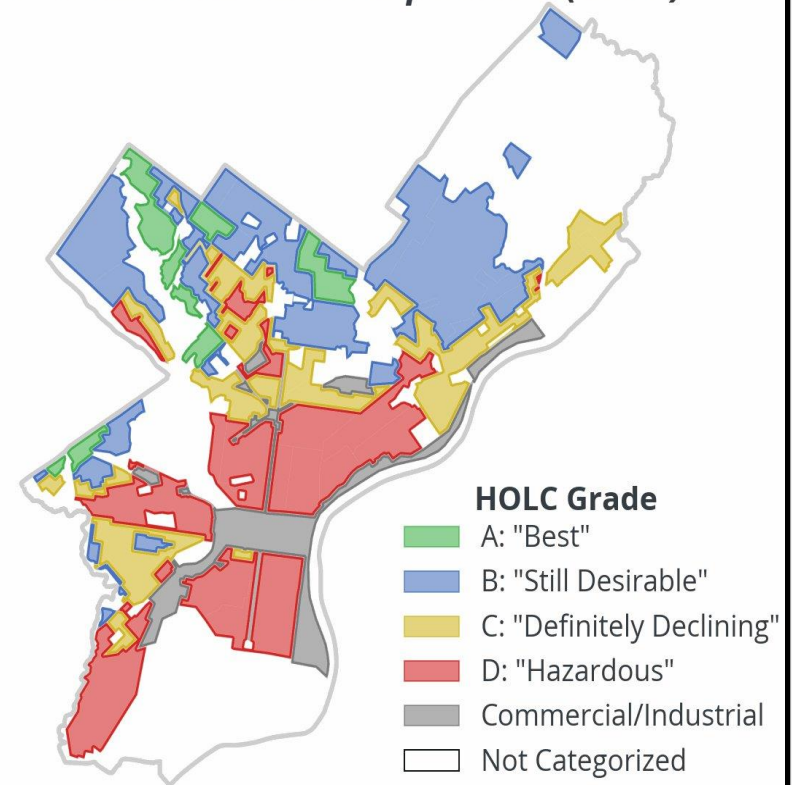


Legacy of redlining today

Philadelphia Urban Heat Vulnerability Index Map




1937 "Redlining" Map from the Homeowners' Loan Corporation (HOLC)



Sources: 2014-2018 ACS estimates; Police Department; HOLC map via 'Mapping Inequality'

Community Engagement





What are the issues?
Why should you care?
What can you do about it?

Intersecting
Values



Inclusion

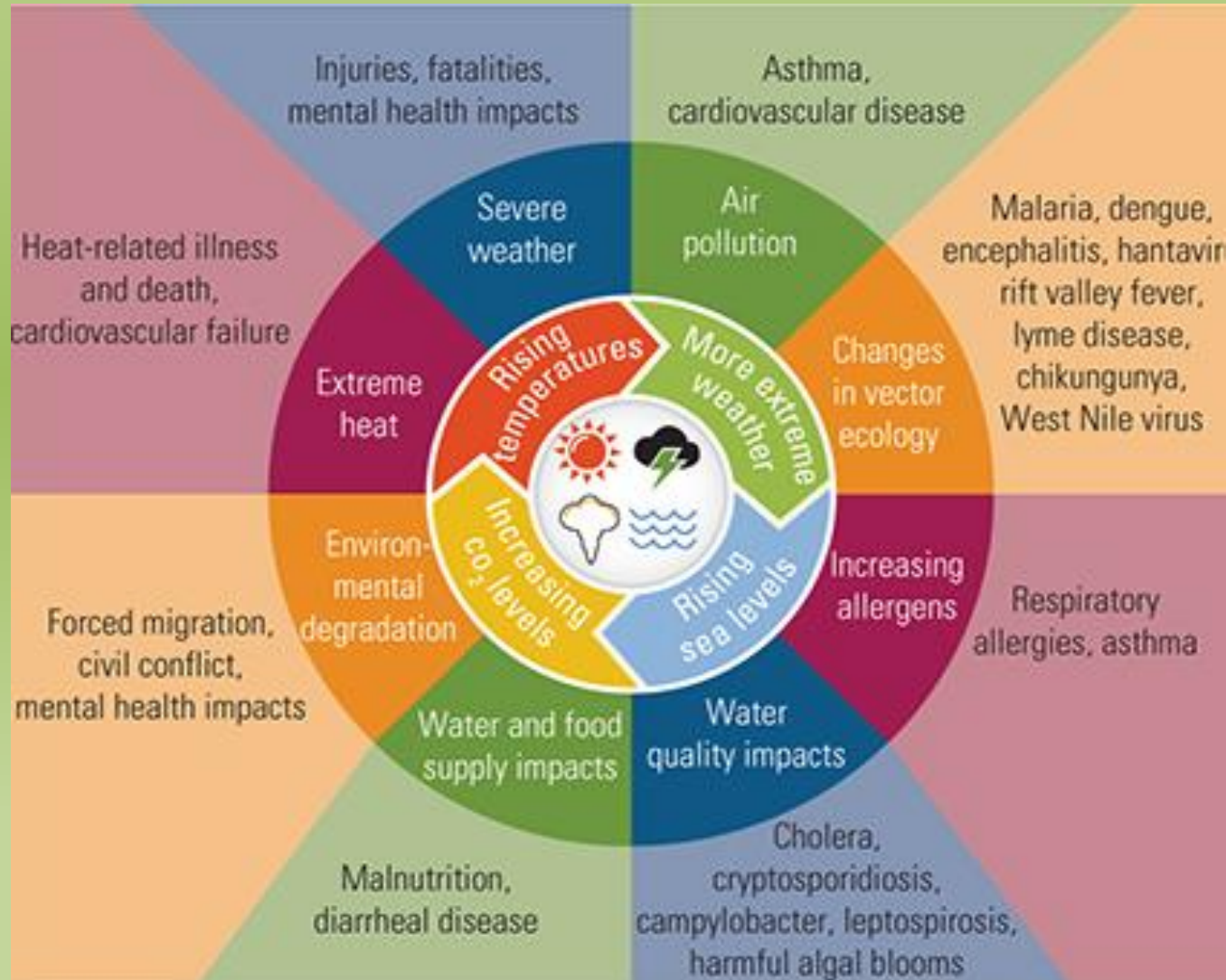
Environment

Dignity

Health

Justice

Impacts of the Environment on Human Health





Environmental Justice:

“The fair treatment and meaningful involvement of all people regardless of race, color, national origin, or income with respect to the development, implementation, and enforcement of environmental laws, regulations, and policies.”

US Environmental Protection Agency

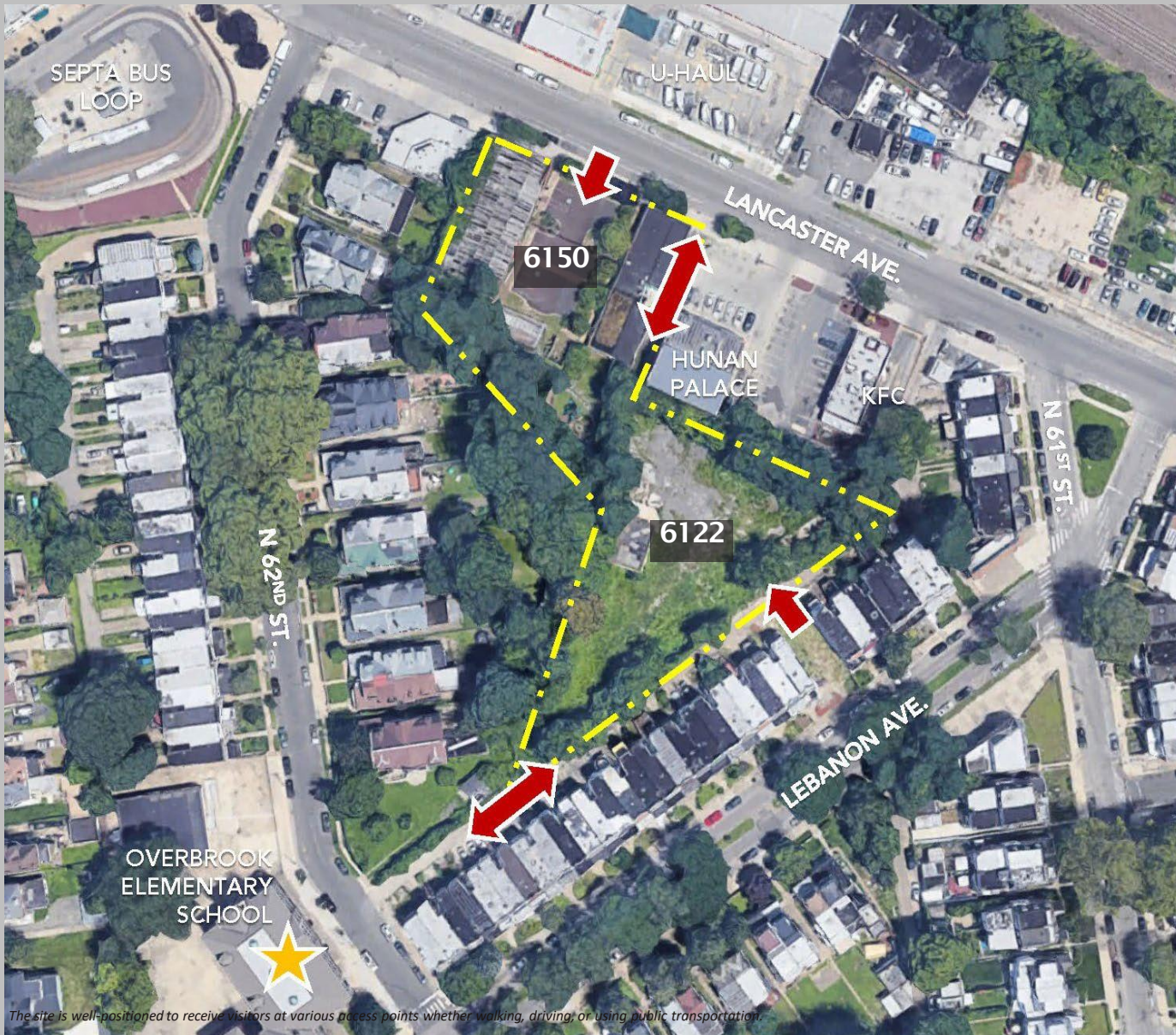








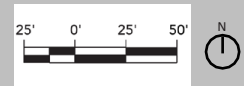
Blight is more than
trash ...

SITE MAP



LEGEND

-  Proposed Access
-  Property Boundary



The site is well-positioned to receive visitors at various access points whether walking, driving, or using public transportation.



Project Based Learning

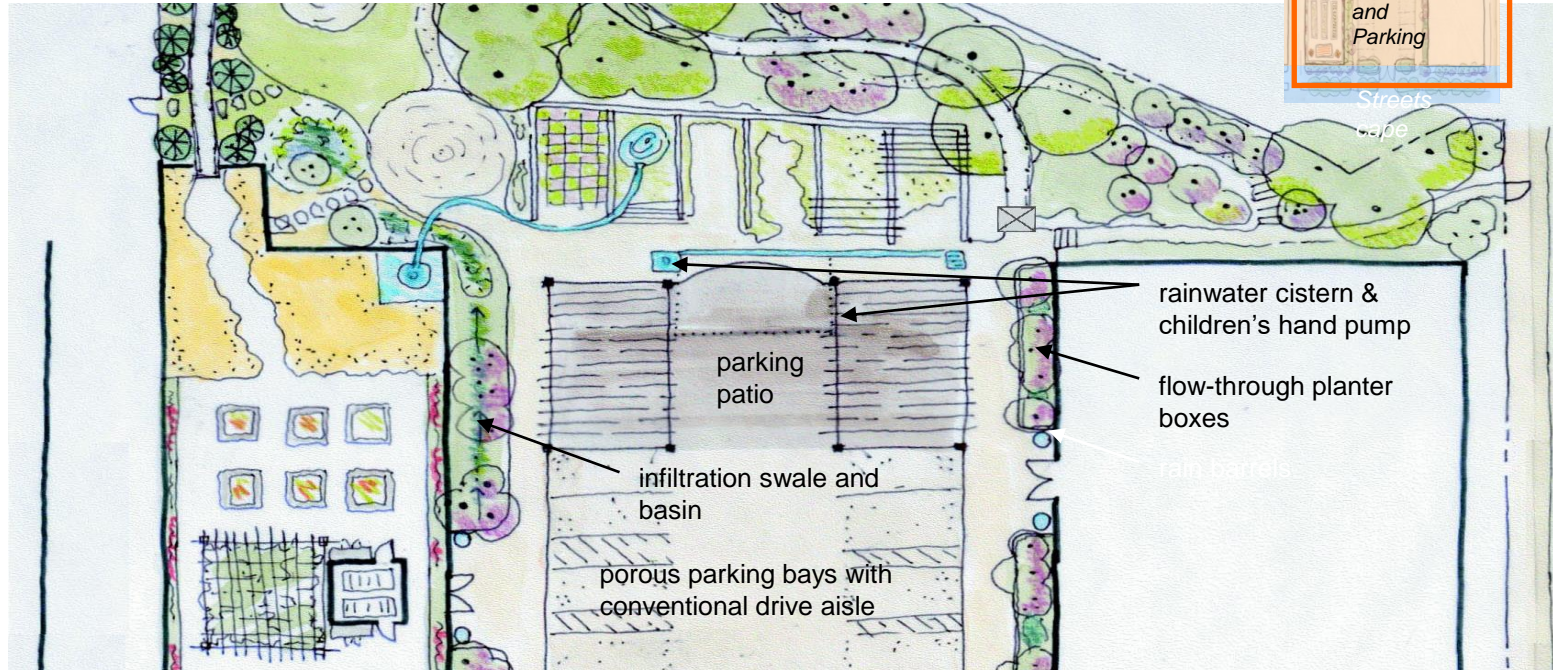


Architects in Education



Field Surveys

Overbrook Environmental Education Center Micro Habitat and Urban Garden



Sustainable storm water management elements can include rain barrels and cisterns, porous paving, a green roof, flow-through planter boxes, and infiltration swales and basins.

Overbrook Environmental Education Center Conceptual Design



GOALS:

Look at the larger picture

Work with nature and teach about site systems

Foster biodiversity in an urban setting

Reclaim derelict land

Celebrate place



Workforce Development





Transformation!



Infrastructure
Development





Urban Agriculture

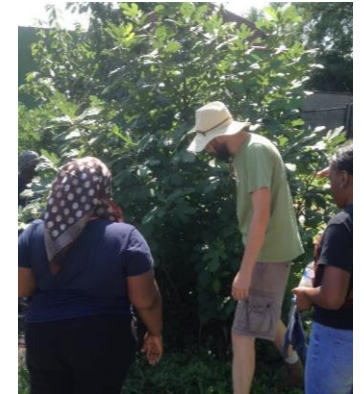








Career Technical Education



Community Science



**Green
Stormwater
Infrastructure
Training**





Restorative Designs

Arts



Collaborative Partnerships



A "Third Place" beyond home and school



New Normal



Community Engagement



Social Architecture
for
Resilient & Sustainable
Communities

Inclusion

Equity

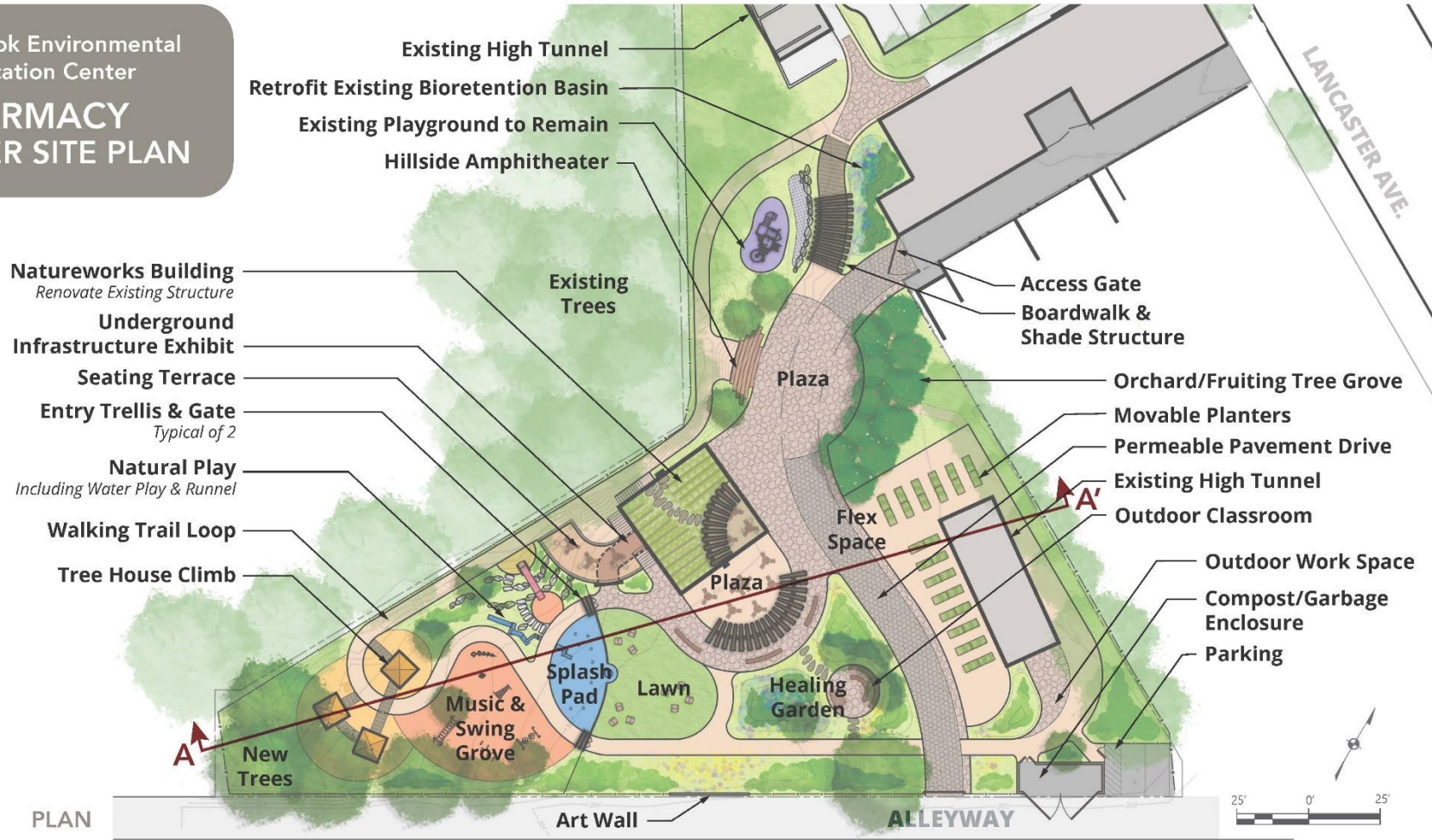
Prosperity

Trust

Justice

Overbrook Environmental
Education Center

FARMACY
MASTER SITE PLAN





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