

EASTON 13TH STREET CORRIDOR

SUSTAINABLE COMMUNITIES GRANT

GREEN INFRASTRUCTURE



12th Avenue, Portland, OR

COMMUNITY CONNECTIONS



Karl Stirner Arts Trail, Easton, PA

SAFER CORRIDORS



Colorado Boulevard, Los Angeles, CA



3rd Street Streetscape, Easton, PA

BEAUTIFICATION



City Signage, Easton, PA



CITY OF EASTON

One South Third St, Easton, Pa. 18042 Ph: 610.250.6600

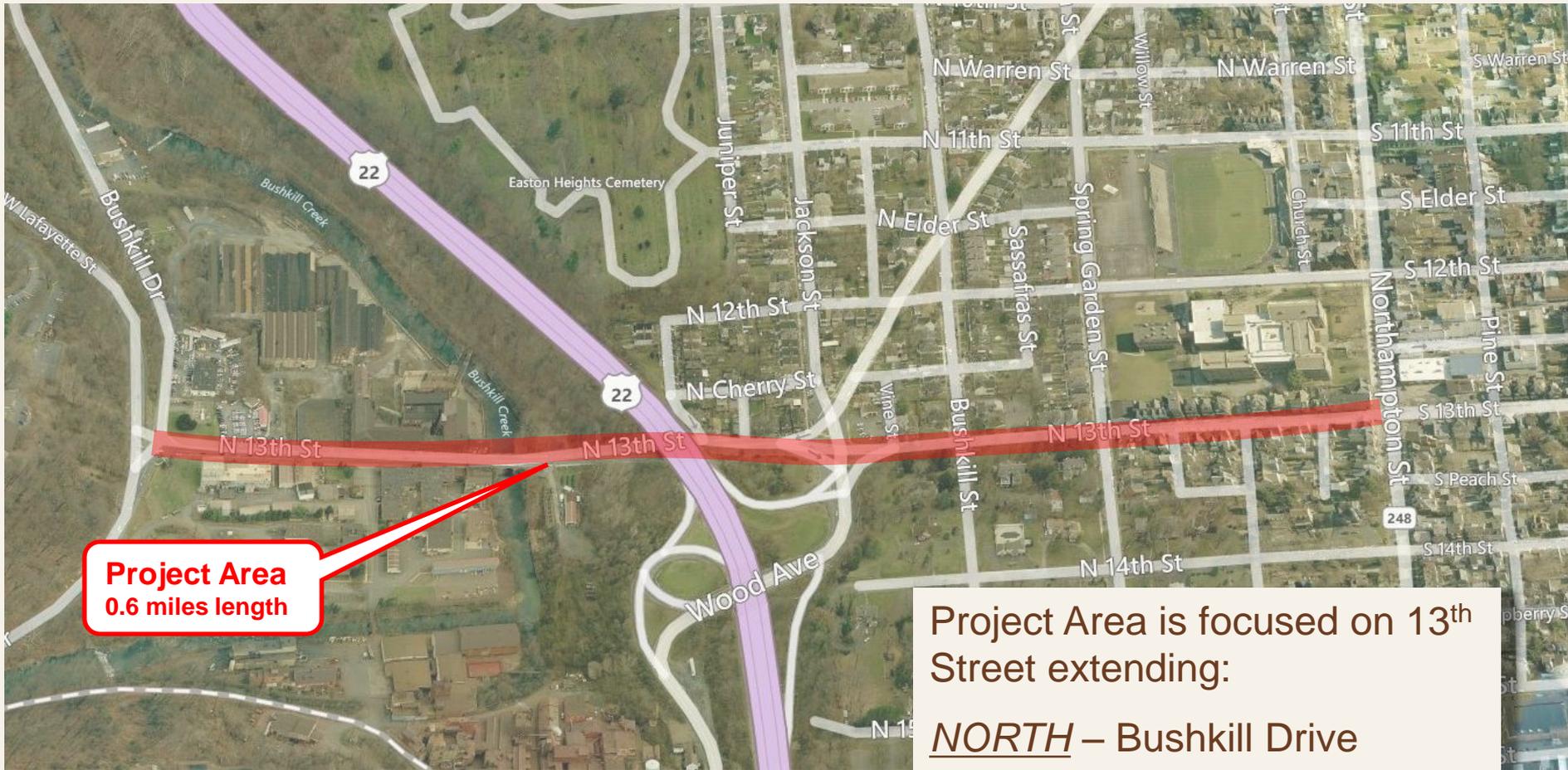


PRESENTATION OVERVIEW

- Project Overview and Goals
 - Silk Mill Redevelopment
- Design Elements
- 13th Street Corridor
 - Southern Section (Northampton Street – Wood Avenue)
 - Route 22 Interchange/Wood Avenue
 - Northern Section (Wood Avenue to Bushkill Drive)
- Multi-Use Trail/Community Connections
- Next Steps/Questions

EASTON 13TH STREET CORRIDOR

PROJECT LOCATION MAP



Project Area
0.6 miles length

Project Area is focused on 13th Street extending:

- NORTH – Bushkill Drive
- SOUTH - Northampton Street

Linking College Hill and West Ward

Birds Eye View - East



EASTON 13TH STREET

PRIMARY OBJECTIVES

Primary Objectives:

1. Redesign Route 22 Interchange – navigation, safety, traffic calming
2. Improve pedestrian “walkability” and bicycle safety along 13th Street Corridor to the Silk Mill
3. Enhance visual aesthetics through unified streetscape improvements
4. Create new Signage and wayfinding for motorists and pedestrians
5. Support the Silk Mill Redevelopment

CORRIDOR IMPROVEMENT GOALS

Equitable transportation

- Promote pedestrian and bicycle modes of transportation
- “Complete Streets”
- Establish unified streetscape elements

Environmentally friendly

- “Green” stormwater management alternatives
- Protect Bushkill Creek



CORRIDOR IMPROVEMENT GOALS

Easier to navigate

- Improve 13th St intersections:
 - Northampton Street
 - Liberty Street
 - Spring Garden Street
 - Bushkill Street
- Improve Wood Avenue/Route 22 interchange

More connected

- Connect to Simon Silk Mill redevelopment
- Karl Stirner Arts Trail connections
- West Ward to College Hill

EASTON 13TH STREET

PROJECT OVERVIEW

Strengths

- Connectivity – College Hill & West Ward
- High volume of traffic
- Diversity of corridor
(different types of uses/development)
- Bushkill Creek
- Karl Stirner Arts Trail & Parking
- Central location
- Views and vistas
- Proximity to downtown
- Silk Mill Development
- Revenue for city
- Many routes to/from 13th St
- Proximity to Schools and Open Space

Weaknesses

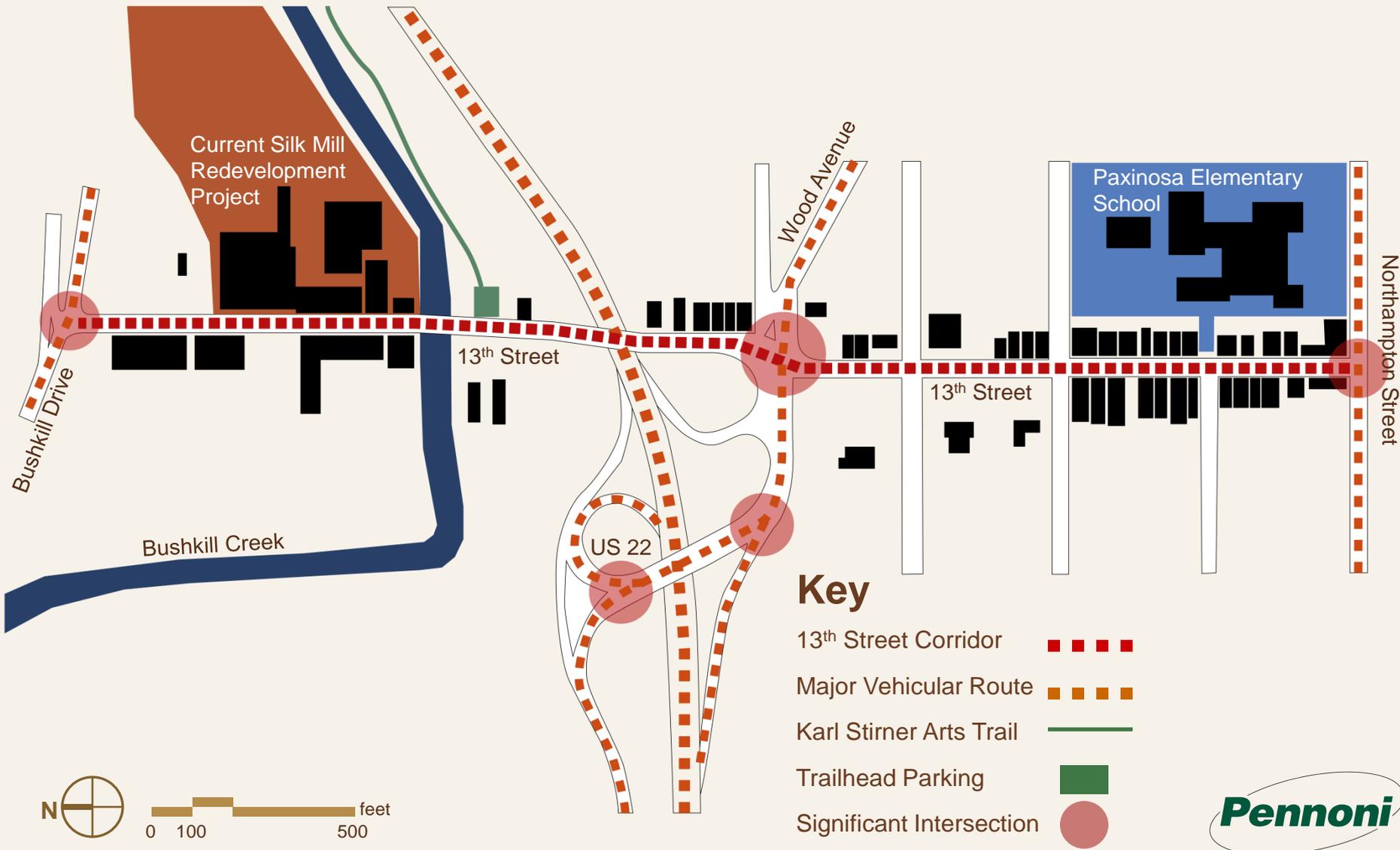
- Equity of City focus
- Not pedestrian friendly
- No bicycle facilities
- Lack of landscaping along corridor
- Lack of pedestrian accommodations
- Lack of identity and district
- Lack of a grand “Gateway” feel
- Accessibility
- Underutilized space
- Area not marketed

Opportunities

- Create more residential development
- Create a destination
- Increase walkability
- Create a brand/name for the area
- Large local population
- Traffic control optimization
- Ancillary commercial development

EASTON 13TH STREET

COMMUNITY CONNECTIONS - CIRCULATION

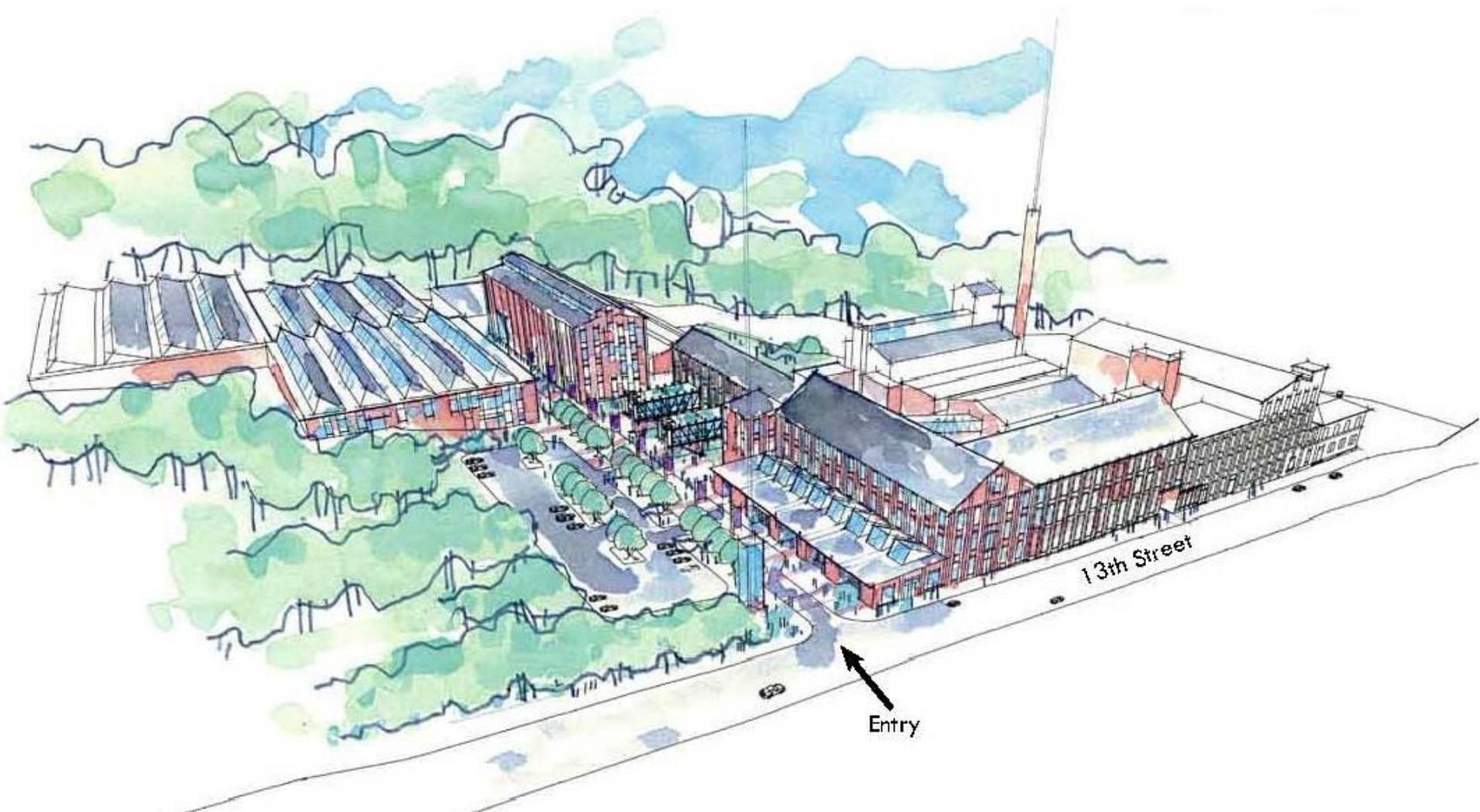


SILK MILL

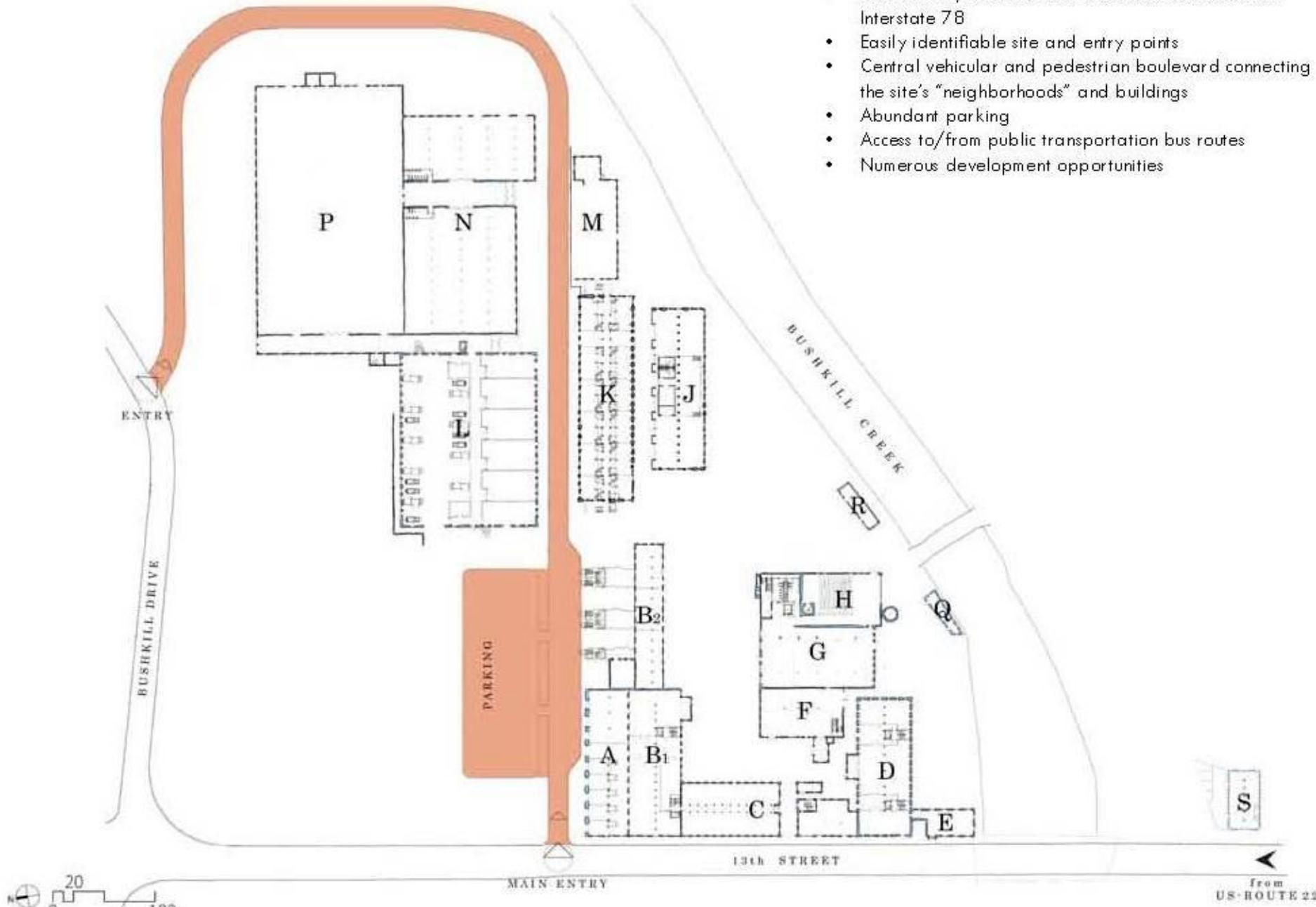
The R&H Simon Silk Mill
Easton, Pennsylvania



SILK MILL



- Conveniently located next to US Route 22 and near Interstate 78
- Easily identifiable site and entry points
- Central vehicular and pedestrian boulevard connecting the site's "neighborhoods" and buildings
- Abundant parking
- Access to/from public transportation bus routes
- Numerous development opportunities



SILK MILL

- Currently Under Construction
- Promotes all modes of transportation
 - Focus on Pedestrian, Bicycle and Mass Transit
- Adaptive Reuse of abandoned buildings
- Asset to the community!



EASTON 13TH STREET

EXISTING CONDITIONS

Lack of Accessible & Safe Sidewalks



Lack of Streetscape, Landscape & Pedestrian Amenities



EASTON 13TH STREET

EXISTING CONDITIONS

Conflict with Utilities, Structures & Buildings

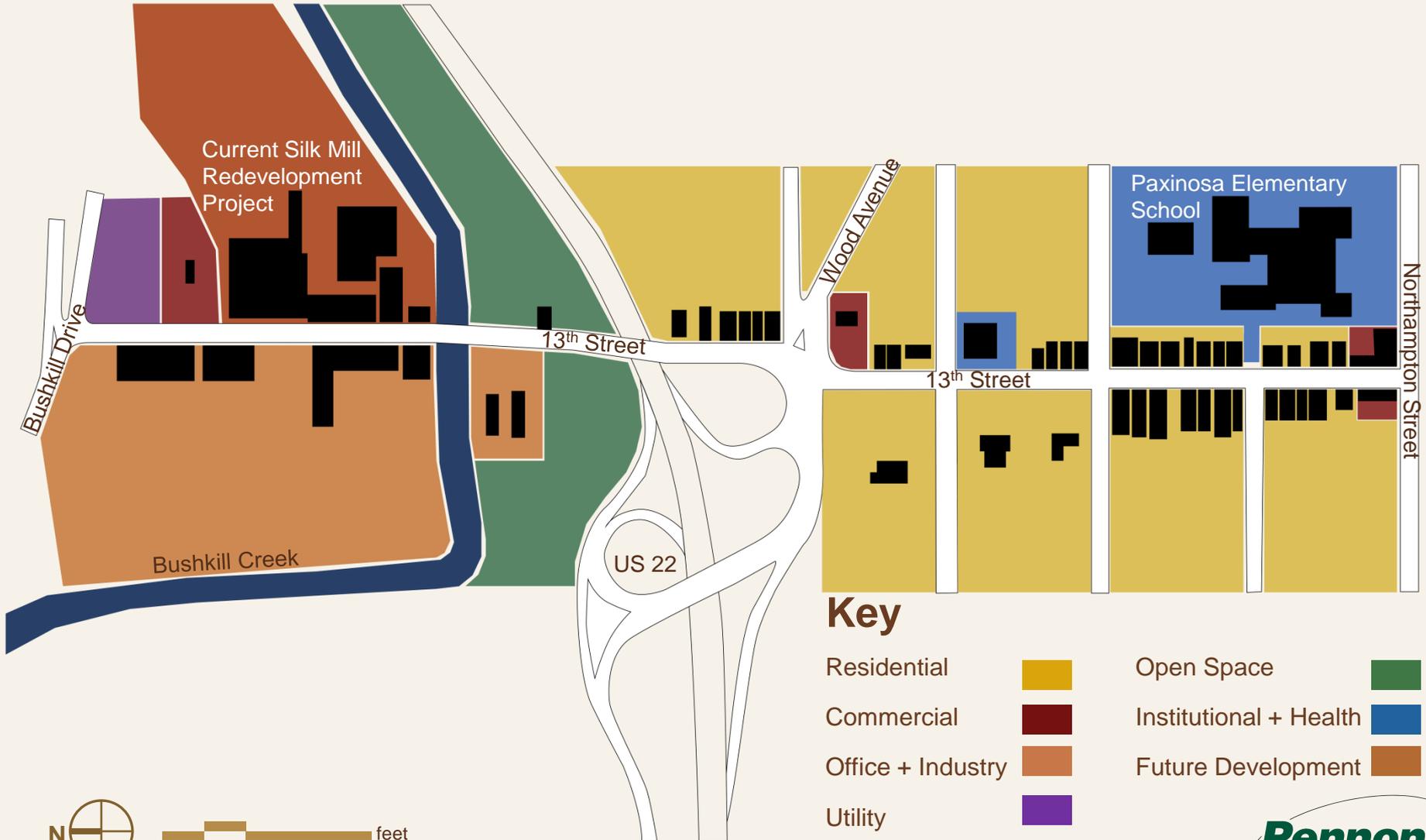


Lack of Pedestrian Connections & Multi-use Facilities



EASTON 13TH STREET

COMMUNITY CONNECTIONS – EXISTING USES



0 100 500 feet

EASTON 13TH STREET

DESIGN ELEMENTS – LIGHTING + FURNISHINGS



Light Pole



Trash Receptacle



Parking Meter



Bench



Path Lighting

EASTON 13TH STREET

DESIGN ELEMENTS – PAVING + LANDSCAPING



Sidewalk Landscape Beds



Decorative Sidewalk Paving
Brick banding with granite block accents



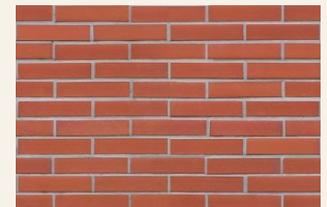
Imprinted Crosswalk



Sidewalk Planters



Granite Block

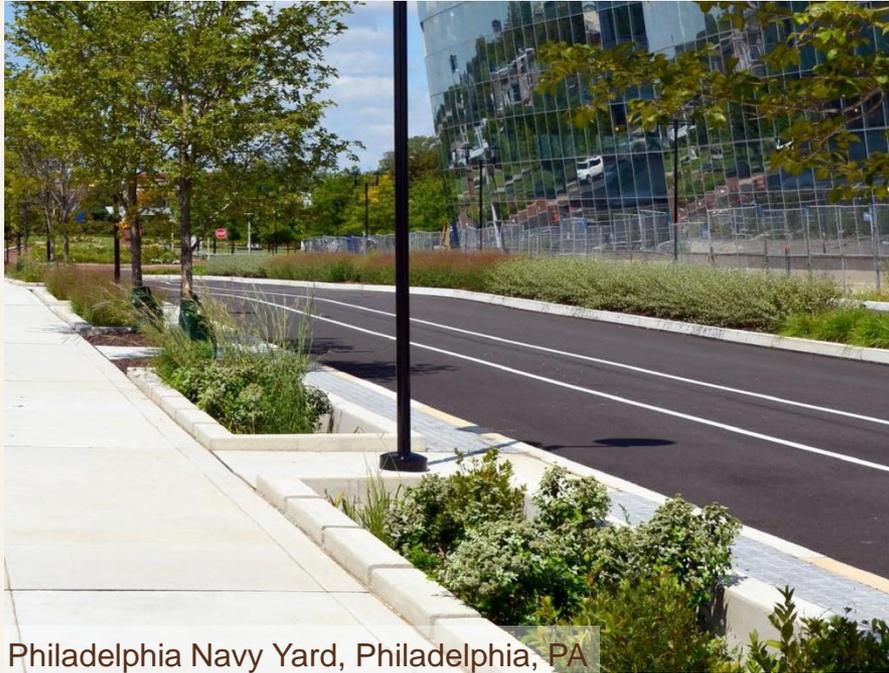


Brick

EASTON 13TH STREET

GREEN INFRASTRUCTURE

RAIN GARDEN- PENNONI PROJECT



Philadelphia Navy Yard, Philadelphia, PA

Rain Gardens collect water from the street, filter it through vegetation to allow natural infiltration and evapotranspiration to occur, and release the water back onto the street with less water quantity but higher water quality.


Nutrient Run-off
to Bushkill Creek


Infiltration

STREET TREES



Queen Lane, Philadelphia, PA

Street trees create a natural canopy to shade both the street and sidewalk. This creates cooler streets in the summer, allows for safer and more desirable walking experiences year round, and can raise land values of adjacent properties.


Heat Island
Effect


Safety

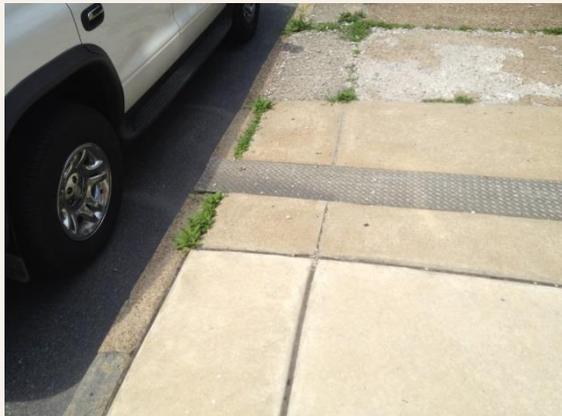
13TH STREET – SOUTHERN SECTION

EXISTING CONDITIONS BETWEEN SPRING GARDEN + NORTHAMPTON STREET

Street Images

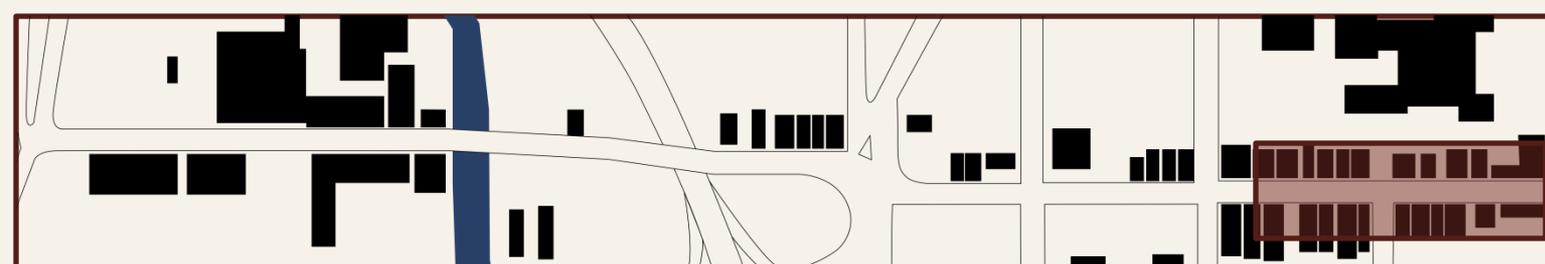
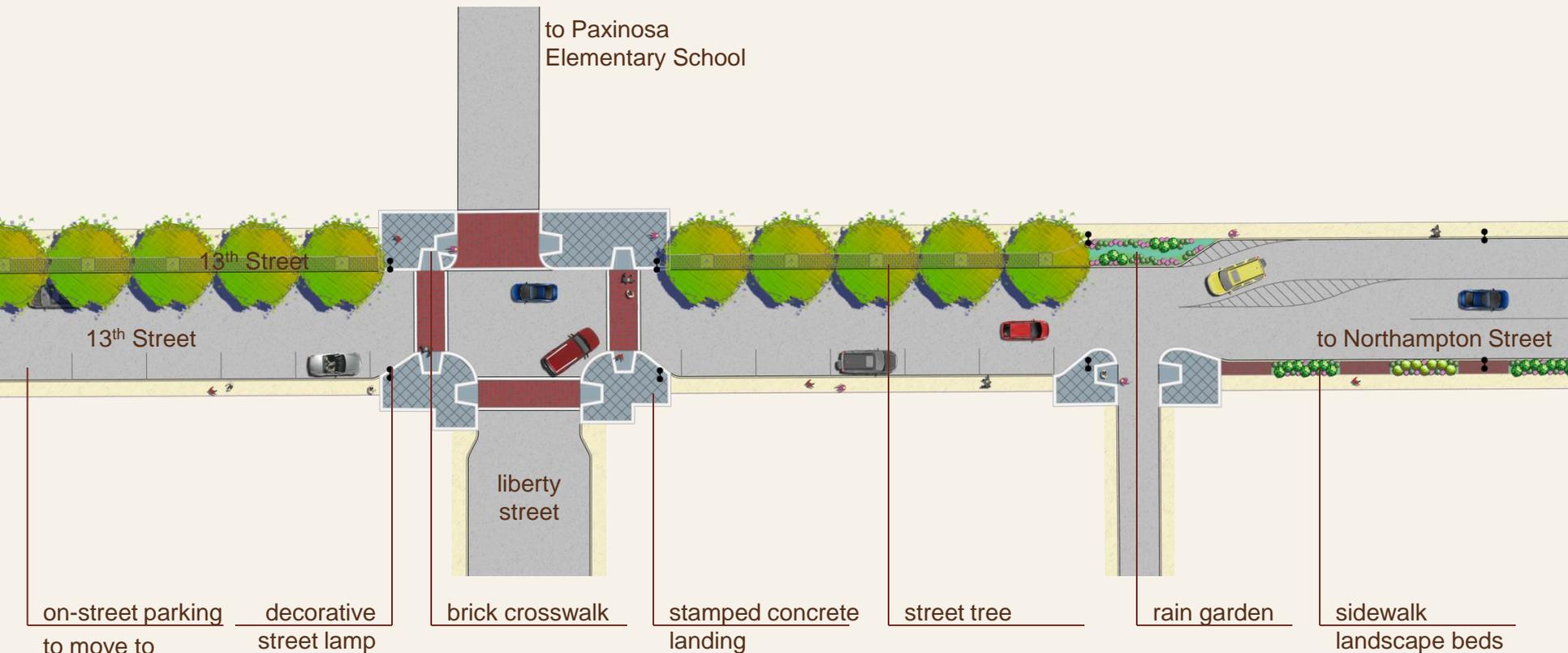


Sidewalk and Curbing Details



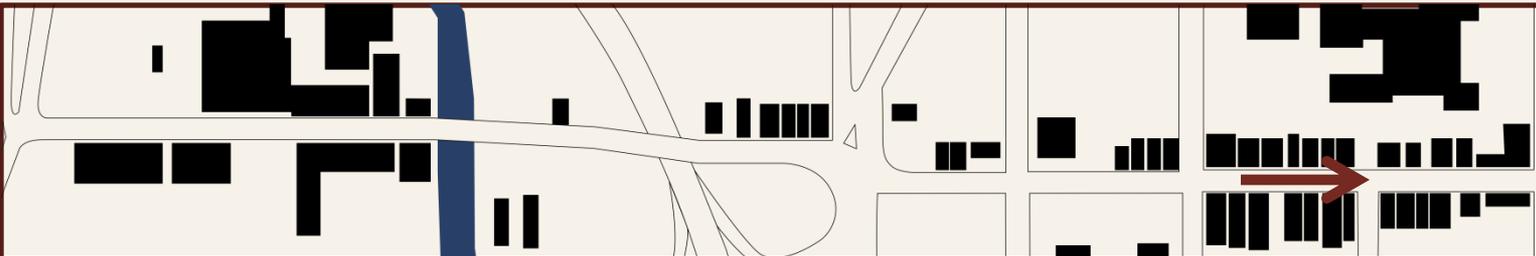
13TH STREET – SOUTHERN SECTION

TYPICAL INTERSECTION – SCHOOL CROSSING PLAN



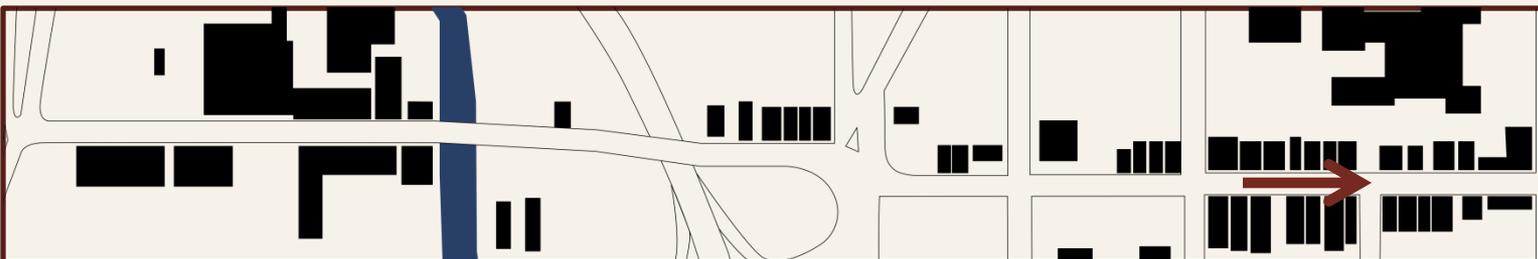
13TH STREET – SOUTHERN SECTION

TYPICAL INTERSECTION – SCHOOL CROSSING EXISTING



13TH STREET – SOUTHERN SECTION

TYPICAL INTERSECTION – SCHOOL CROSSING PERSPECTIVE



13TH STREET – SOUTHERN SECTION

TYPICAL INTERSECTION – SCHOOL CROSSING PERSPECTIVE



decorative light pole

street trees

brick crosswalk

trash receptacle

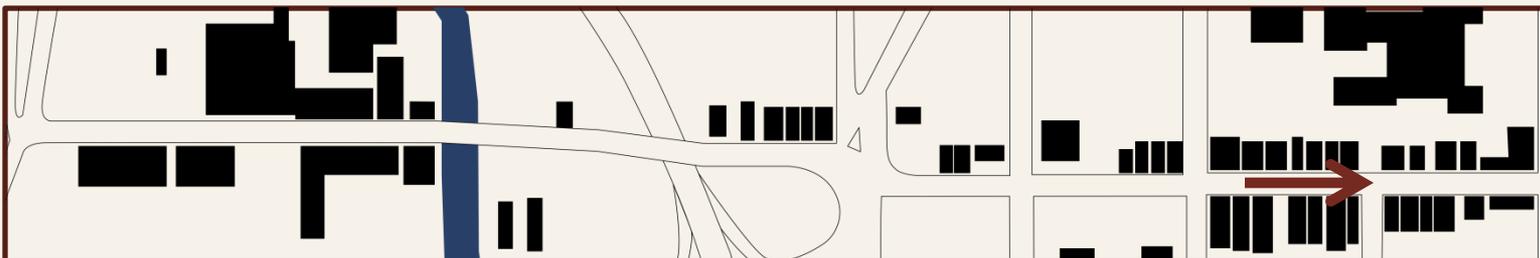
granite block detail

brick edging along street

new curb + sidewalk

on-street parking

to move to opposite side of the street under the power lines



ROUTE 22 INTERCHANGE

Existing Interchange



ROUTE 22 INTERCHANGE

Bridges

13th Street Bridge (1886)



ROUTE 22 INTERCHANGE

Bridges

Route 22 Bridge (1954)



ROUTE 22 INTERCHANGE

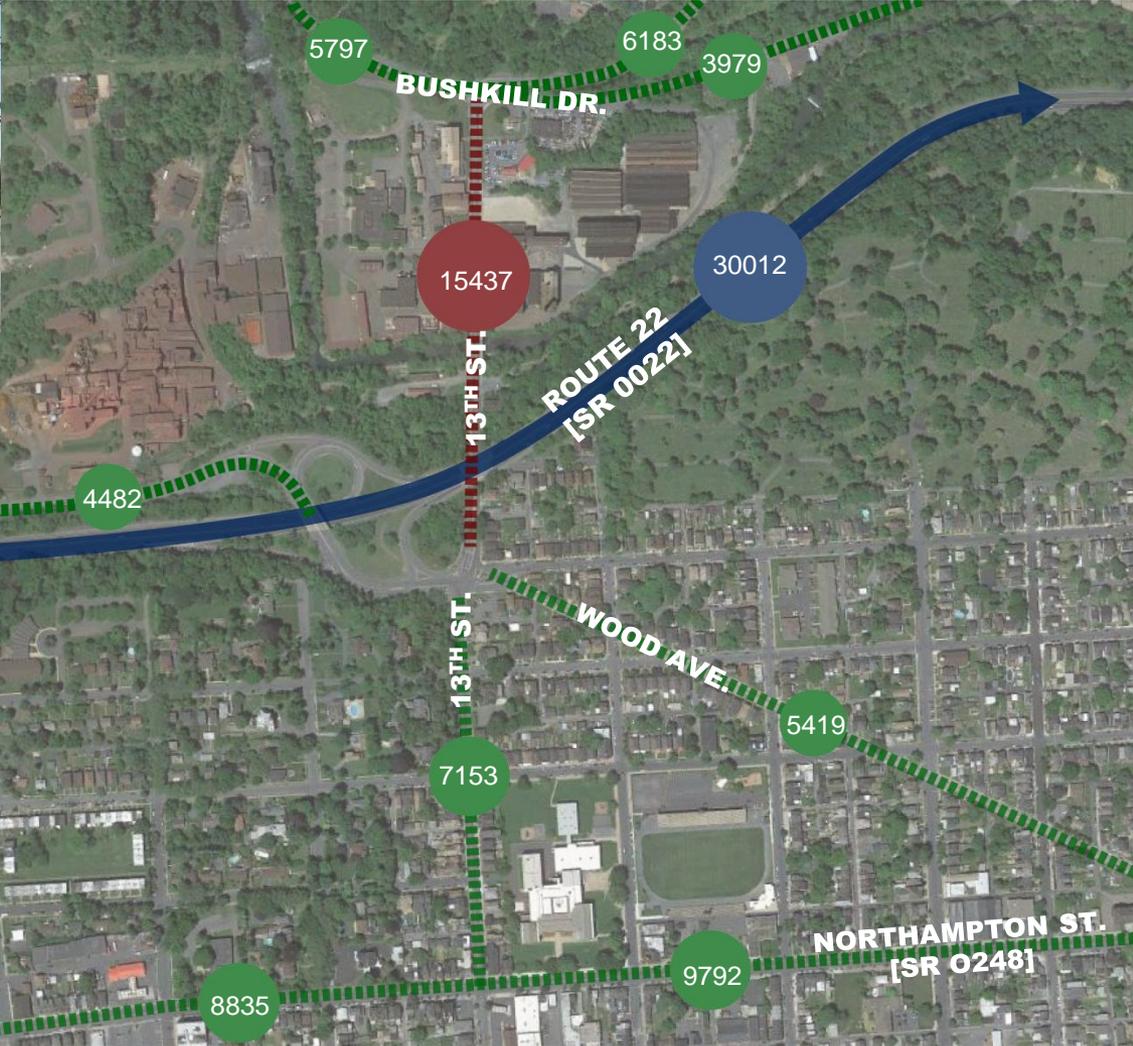
Bridges

Wood Avenue Bridge (1954)



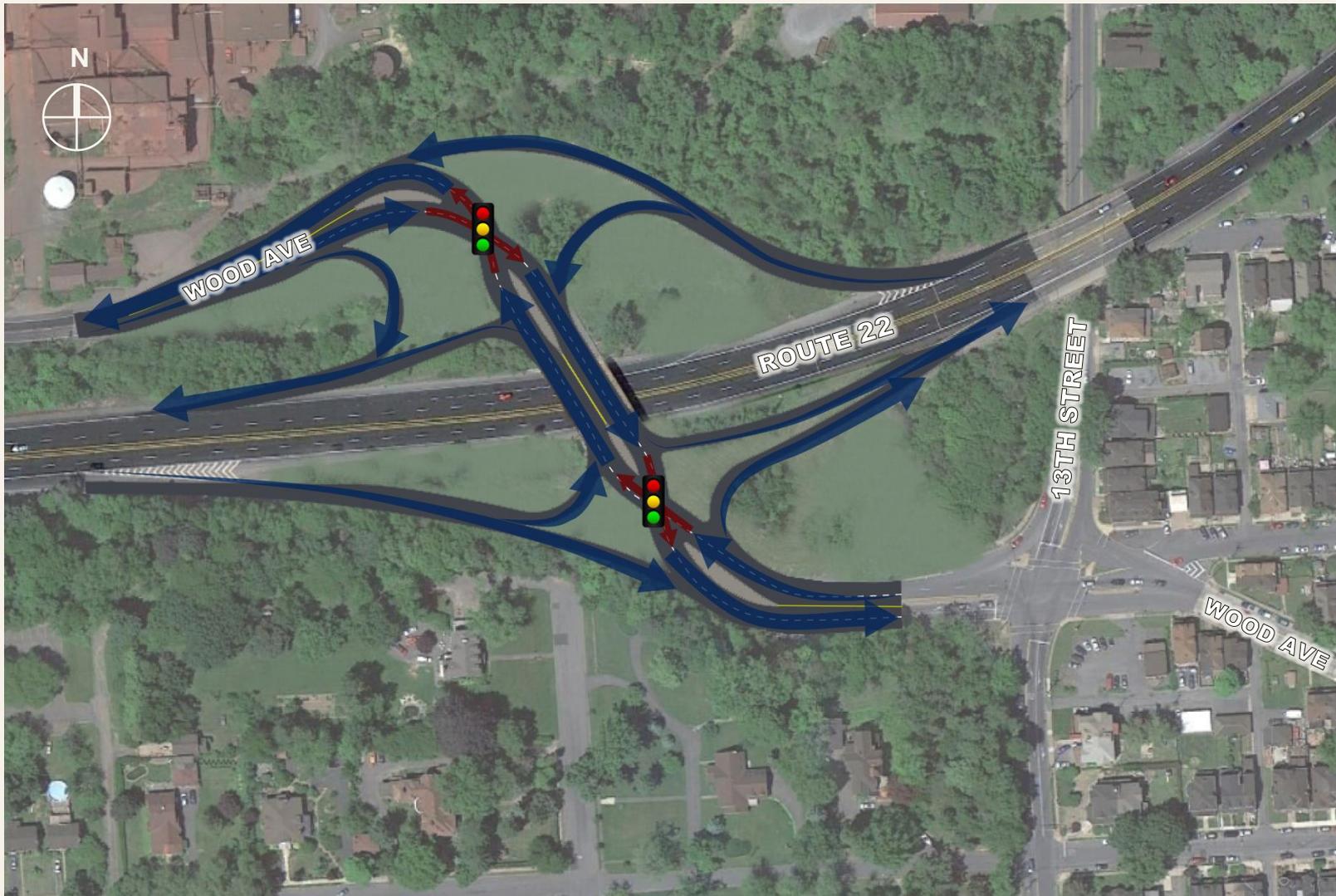
EASTON 13TH STREET

Existing Average Daily Traffic



INTERCHANGE ALTERNATIVES

Double Crossover Diamond (DCD)



INTERCHANGE ALTERNATIVES

Double Crossover Diamond (DCD)



 "Crossed-over" through and left-turn movement in one direction on arterial

 "Crossed-back" through movement in one direction on arterial

 Right-turn movement onto freeway on-ramp

 Signal-controlled crossovers

 Unopposed left-turn movement onto freeway on-ramp

 Signal-controlled off-ramp

SOURCE: FHWA-HRT-09-054

INTERCHANGE ALTERNATIVES

Reduce Bridges



INTERCHANGE ALTERNATIVES

Wood Avenue Roundabout



TRAILHEAD PARKING

EXISTING CONDITIONS BETWEEN US 22 UNDERPASS AND SILK MILL

Street Images

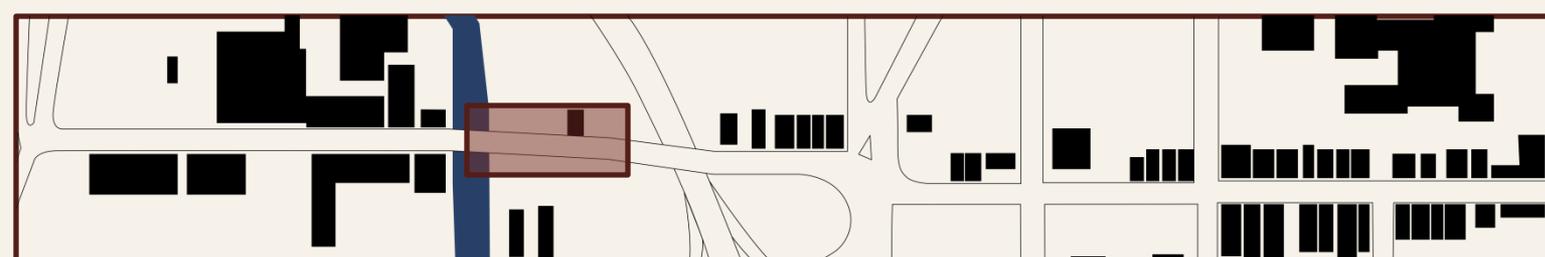
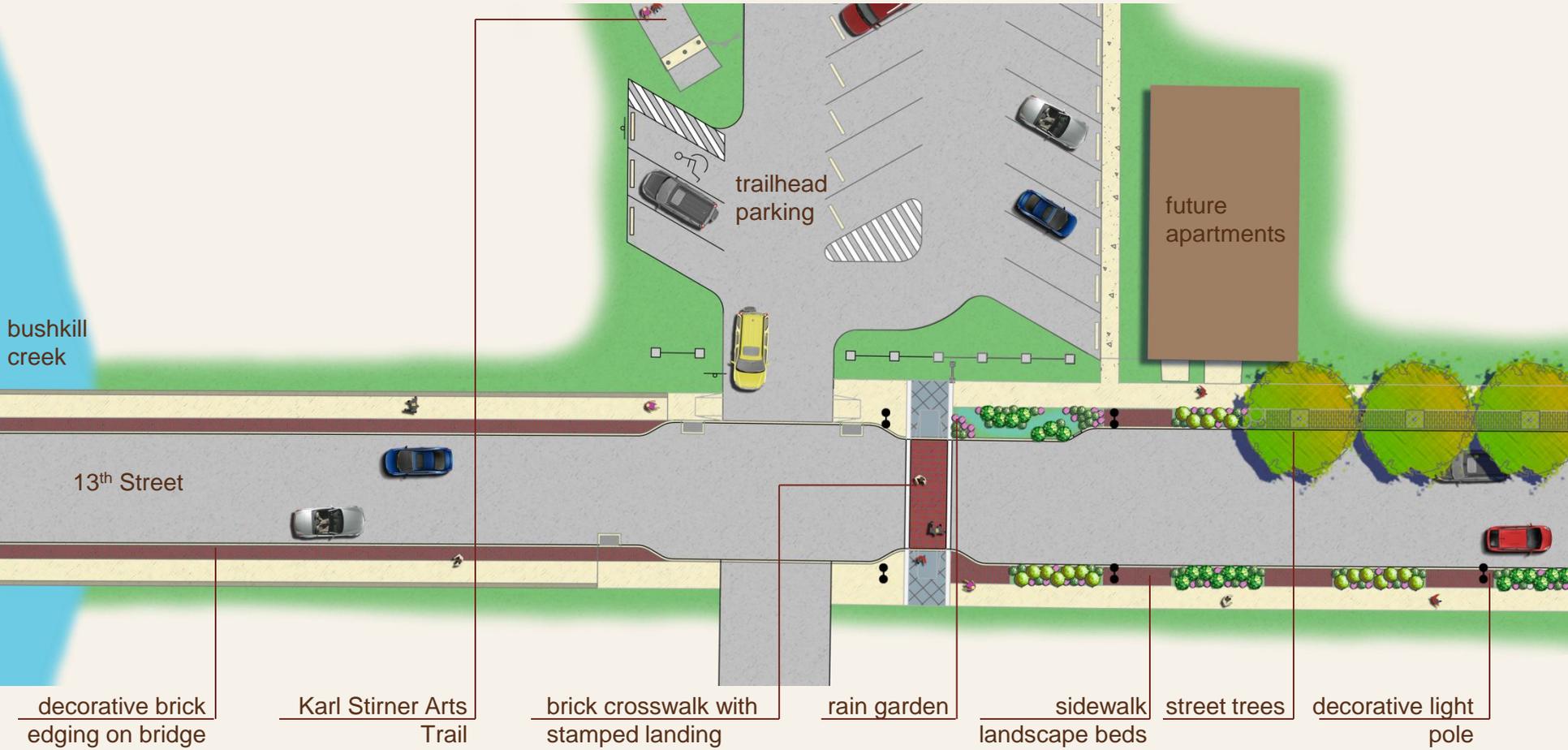


Sidewalk and Curbing Details



TRAILHEAD PARKING

MID-BLOCK CROSSING – TRAILHEAD PLAN

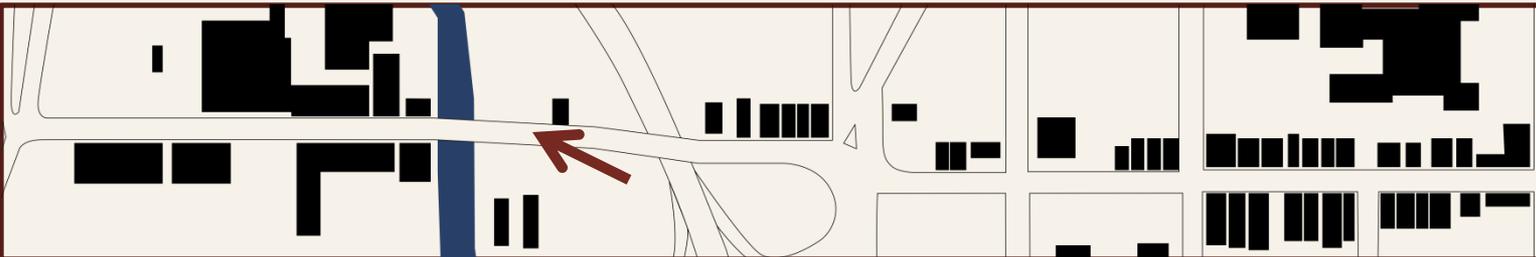


TRAILHEAD PARKING

MID-BLOCK CROSSING – TRAILHEAD EXISTING

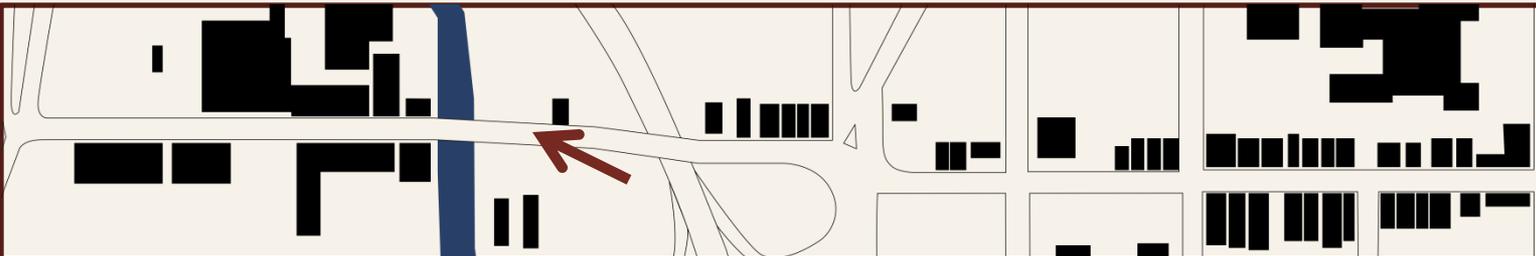


Report a problem



TRAILHEAD PARKING

MID-BLOCK CROSSING – TRAILHEAD PERSPECTIVE



TRAILHEAD PARKING

MID-BLOCK CROSSING – TRAILHEAD PERSPECTIVE



decorative light pole

trailhead parking lot

brick pier fence

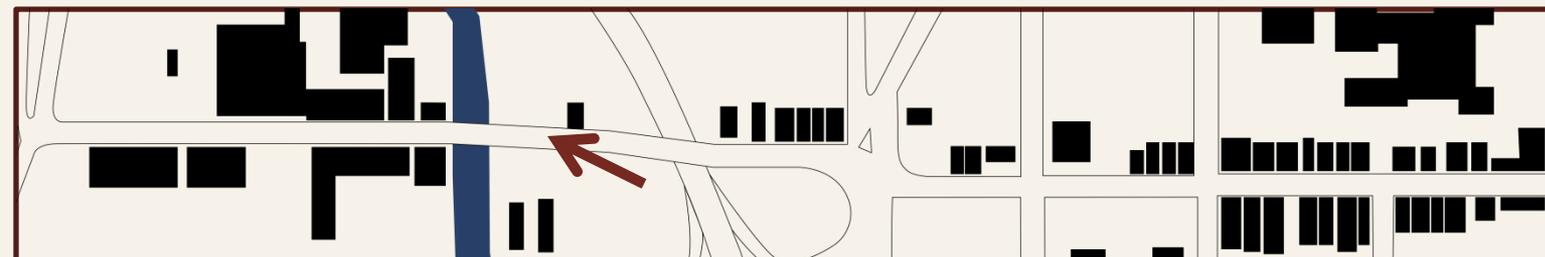
trash receptacle

rain garden

brick crosswalk

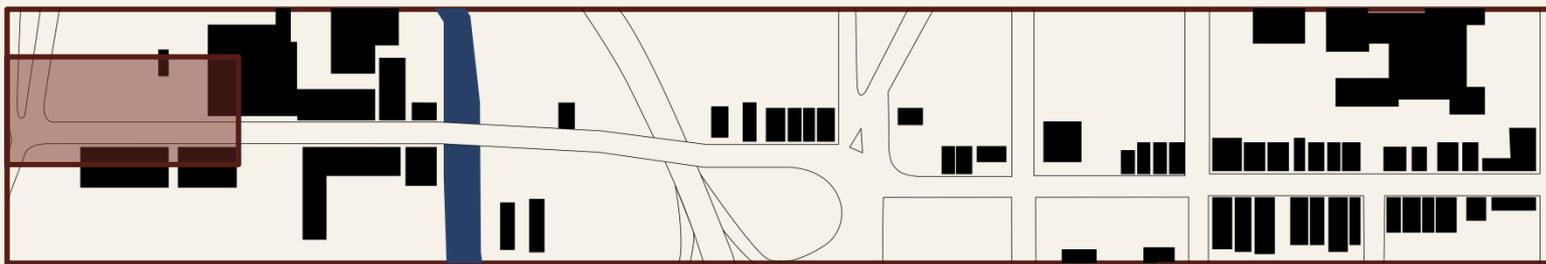
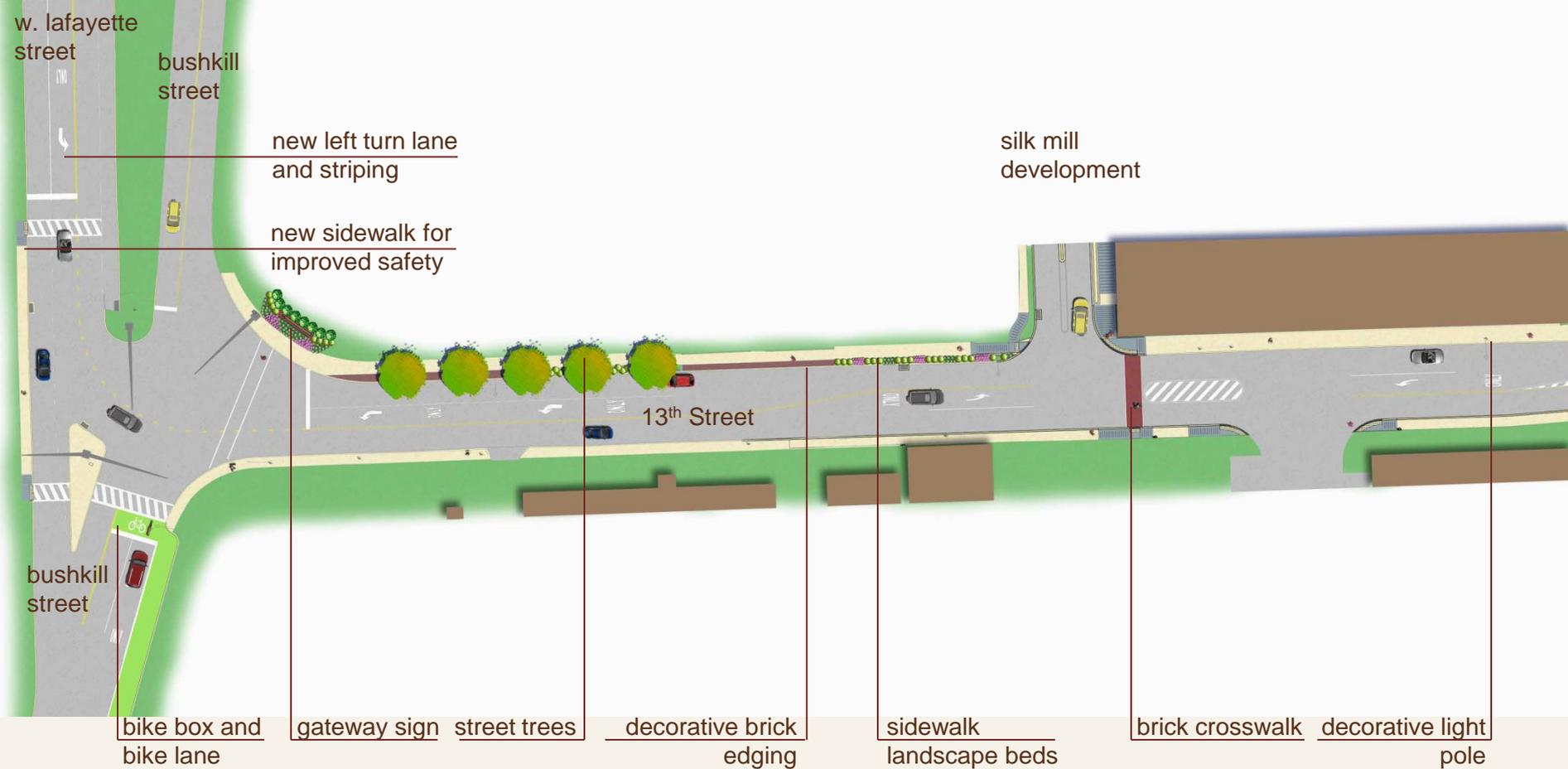
new curb + sidewalk

rain garden inlet



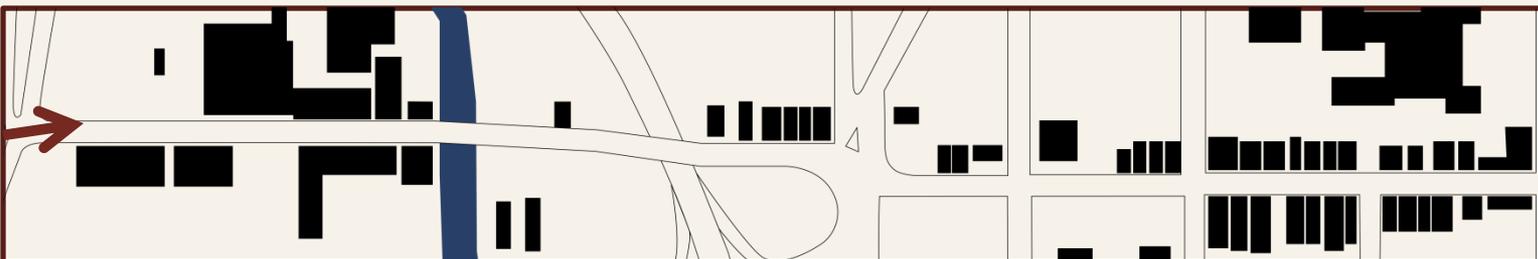
13TH STREET – NORTHERN SECTION

EASTON GATEWAY– BUSHKILL DRIVE INTERSECTION PLAN



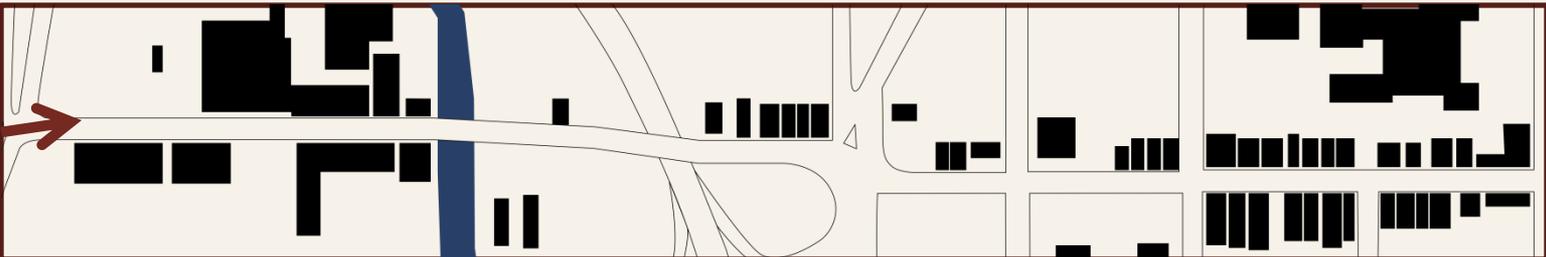
13TH STREET – NORTHERN SECTION

EASTON GATEWAY– BUSHKILL DRIVE INTERSECTION EXISTING



13TH STREET – NORTHERN SECTION

EASTON GATEWAY– BUSHKILL DRIVE INTERSECTION PERSPECTIVE



13TH STREET – NORTHERN SECTION

EASTON GATEWAY– BUSHKILL DRIVE INTERSECTION PERSPECTIVE



street trees

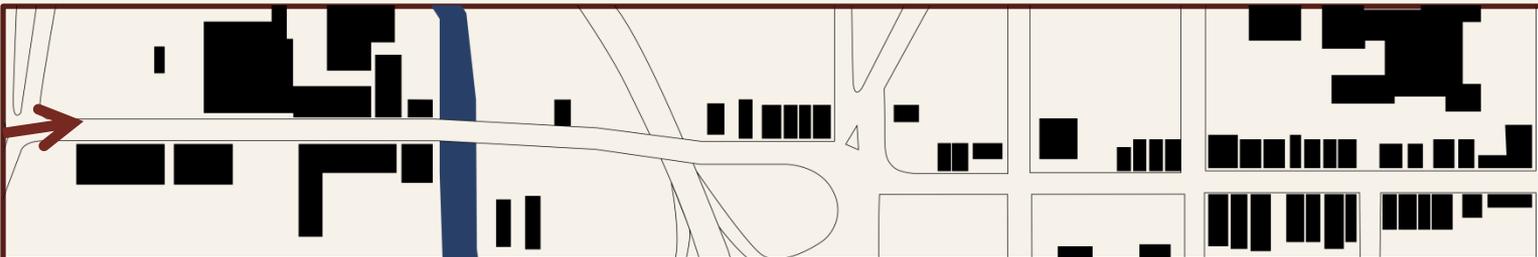
new left turn lane

gateway sign

granite block detail

new curb + sidewalk

new crosswalk striping



WEST WARD GATEWAY

GATEWAY SIGNS - PRECEDENT IMAGES

EASTON SIGN – PENNONI PROJECT



3rd Street and Larry Holmes Drive, Easton, PA

LAFAYETTE COLLEGE SIGN



High Street and McCartney Street, Easton, PA

ZOO SIGN – PENNONI PROJECT



Philadelphia Zoo, Philadelphia, PA

MAJESTIC SIGN – PENNONI PROJECT



Majestic Bethlehem Center, Bethlehem, PA

MASS TRANSIT

BUS ROUTES

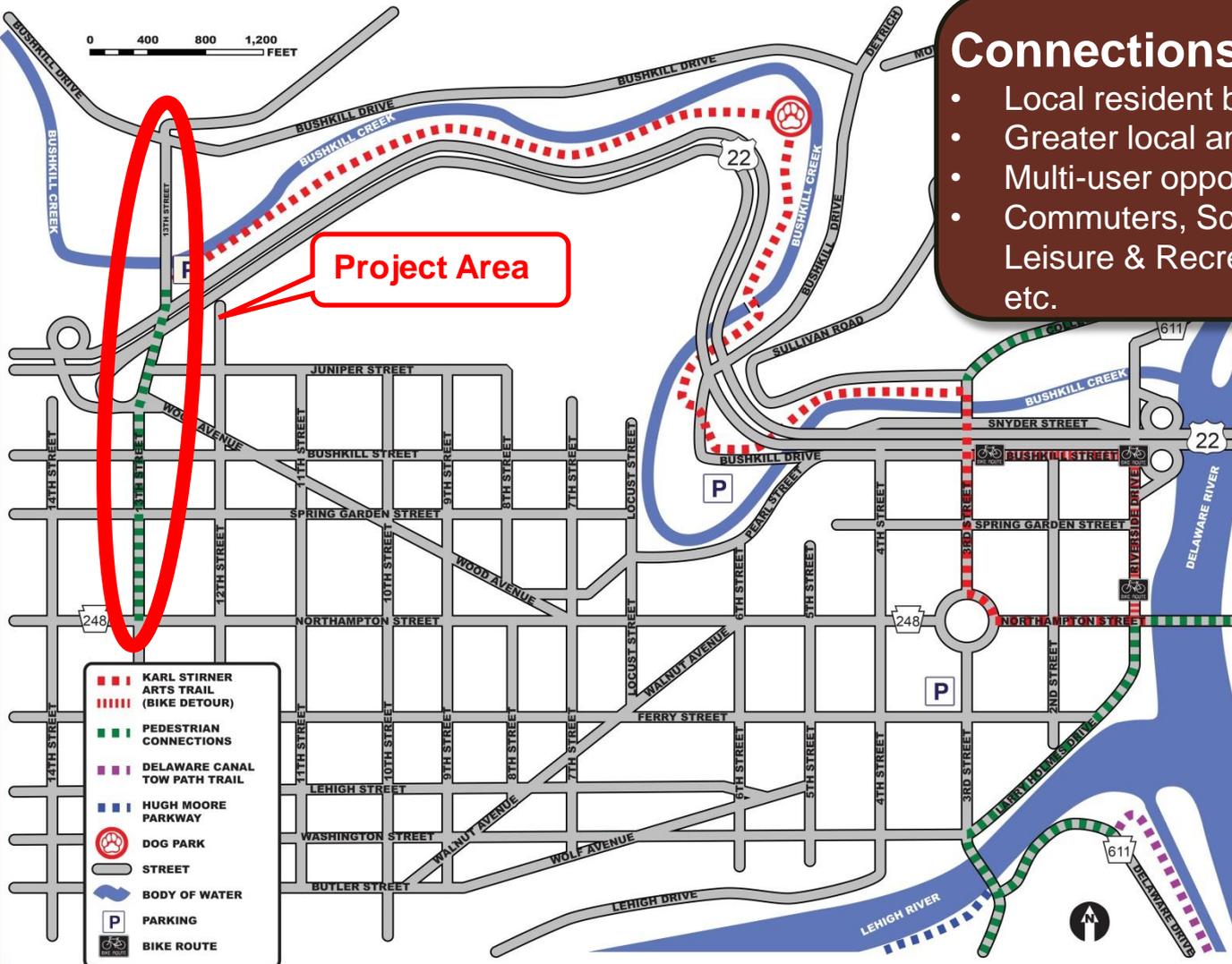
Potential for additional stops on Route 106 or 220, which follow Northampton Street, to connect with Silk development on 13th Street.



KARL STIRNER ARTS TRAIL

COMMUNITY CONNECTIONS – PEDESTRIAN + BIKE

KARL STIRNER ARTS TRAIL

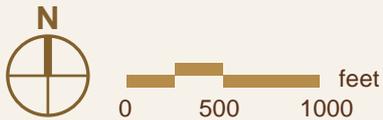
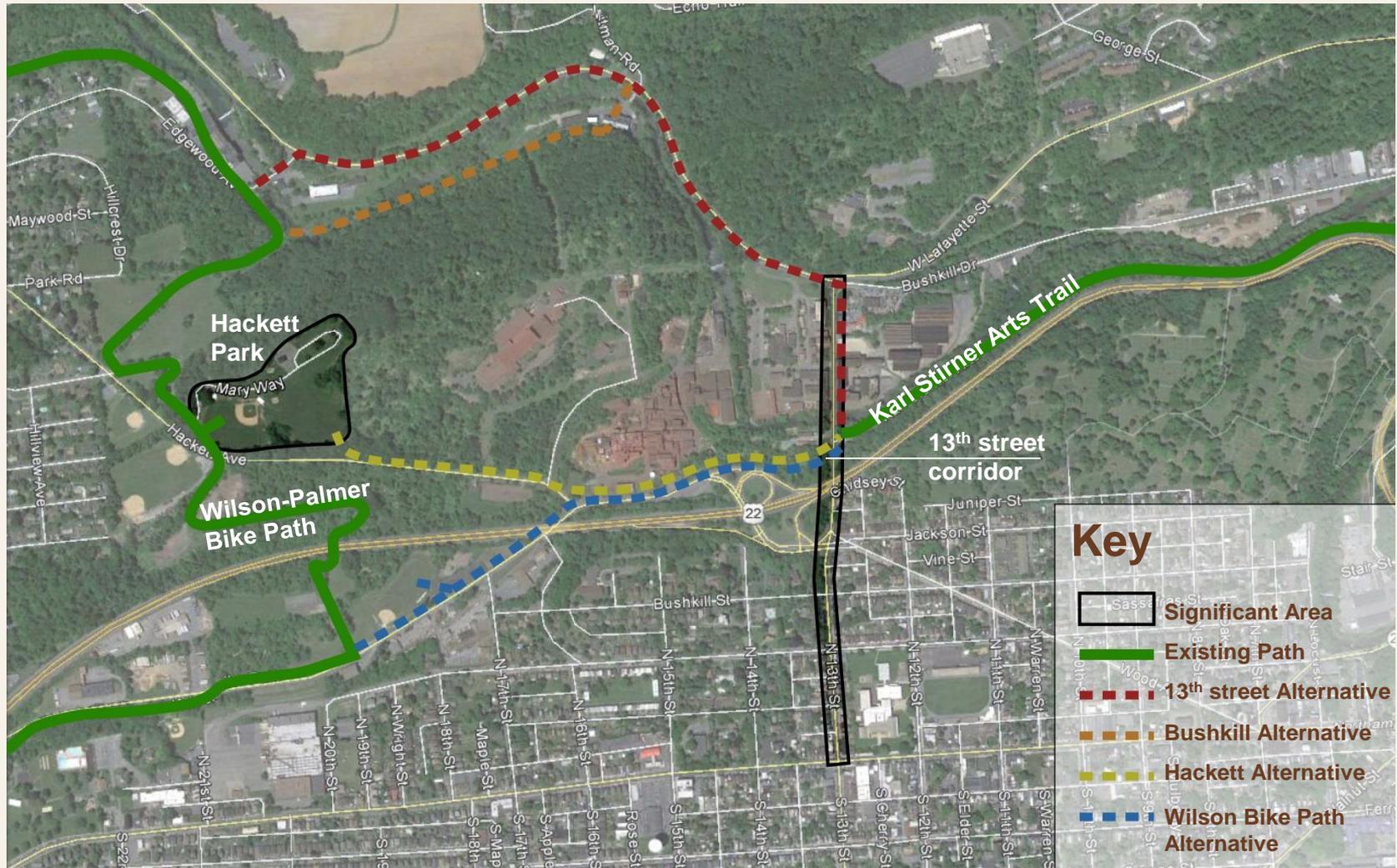


Connections

- Local resident benefit
- Greater local and regional systems
- Multi-user opportunities
- Commuters, School route, Bicycles, Leisure & Recreation, Dog Walkers, etc.

TRAIL CONNECTION

MULTI-USE ALTERNATIVE TRAIL CONNECTIONS



Next Steps

1. Alternatives Analysis
2. Cost Estimation
3. Continued Public Involvement
4. Environmental Analysis
5. Complete Point of Access (POA) Study
6. Pursue Funding

13TH STREET CORRIDOR STUDY

Questions?

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