

Borough of Lewisburg



South 6th Street and Bull Run
Master Site Development and Greenway Plan



BSA / LA

Brian S. Auman / Landscape Architecture

**Land
Studies**



BOROUGH OF
LEWISBURG
PUBLIC MEETING
FINAL DRAFT
MASTER PLAN

MARCH 30, 2016

MEETING AGENDA

Project Background

Community Involvement

The Master Plan

Implementing the Plan

Discussion and Feedback

Lewisburg Neighborhood Project – 2004



The Lewisburg Neighborhood Project

Findings and Recommendations of the
Lewisburg Neighborhood Task Force

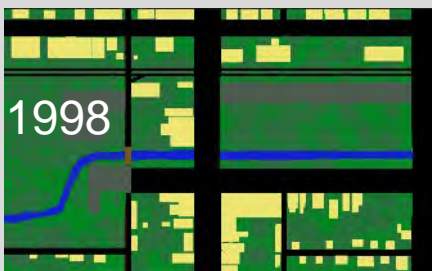
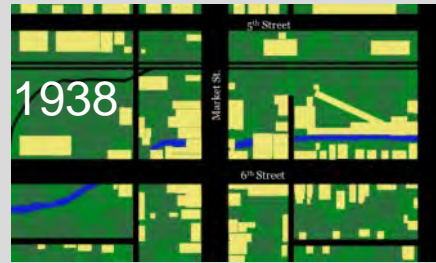
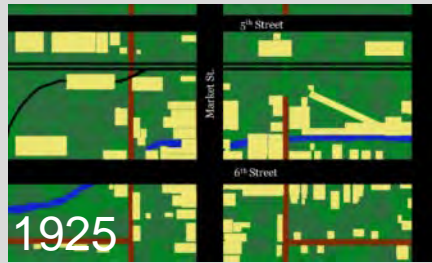
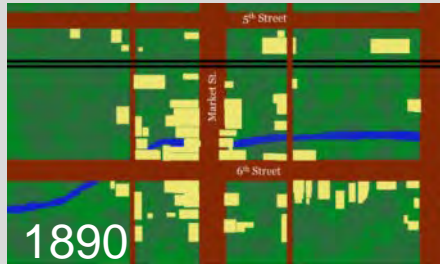
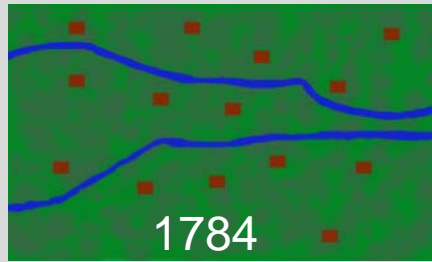
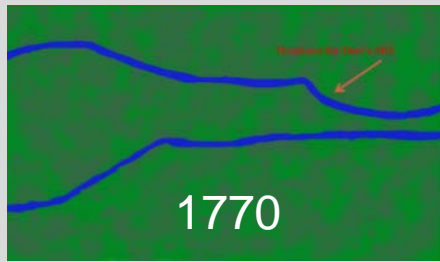
SEDA Council of Governments
Community Resource Center
Lewisburg, Pennsylvania

The Bull Run Greenway



Aerial Photo by Ben Hayes, Bucknell Center for Sustainability and the Environment, 2014

Bull Run Neighborhood Through Time



The Bull Run Greenway



The Tiny Monster: A Case Study of Limestone (Bull) Run as the impetus for policy change in the Lewisburg Borough after deadly flash flooding in 1972 from Hurricane Agnes.



B. Tiny Bull Run Becomes Monster
 A column of text describing the flooding event and its impact on the community.

C. Timeline of Bull Run Policy
 A vertical timeline listing key events from 1936 to 1973, including the formation of the Bull Run Task Force and the passage of the Flood Control Act.



1936 The Lewisburg Flood Control Act is passed by Congress.	1937 The Lewisburg Flood Control Act is signed into law.	1956-1957 The Lewisburg Flood Control Act is amended to include the Bull Run watershed.	1959 The Lewisburg Flood Control Act is amended to include the Bull Run watershed.	June 21-25, 1972 Hurricane Agnes causes catastrophic flooding in the Bull Run watershed.	Sept. 1972 The Bull Run Task Force is formed to study the flooding problem.	February 1973 The Bull Run Task Force reports its findings and recommendations.
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Hindsight on a Disaster: Clearer Vision for the Future?
 In a post-disaster letter, A.G. McFall, a local business owner, recounted the efforts and subsequent disappointment in the outcome of this study. According to McFall, "In 1956 and 1957 the Lewisburg Chamber of Commerce, the Kiwanis Club, and the Rotary Club and a number of interested businessmen made a lot of trips to Harrisburg and Washington, and took a lot of time trying to come up with an answer to this problem." The findings of the study and the local citizen initiative was presented to Borough and County officials, but "to the utter amazement of all of the businessmen who had spent so much time trying to get something done was rejected because it was felt that the cost of correcting the situation was too high."

This study examines the inefficient process of government, expedited by activism and pressure from members of the community. Many of the actions completed with blinding speed in the aftermath of Hurricane Agnes were partly fueled by government grants that were widely distributed to help the region recover. However, the costs of the disaster to Lewisburg alone, were 1000% more than the originally proposed projects.

Analysing the events leading up to and coming out of this disaster can provide insight into the kind of foresight that is needed for public service, as well as a guide to citizen activism. Without the pressure of prominent individuals, local financial institutions, and civil associations, it is possible that the local government would merely have cleaned up the damage from Agnes and ignored the root of the problem. Instead, citizens signed petitions, or wrote their own strongly worded opinions to the appropriate officials, and some even formulated the Bull Run Task Force, an entirely volunteer advisory committee that emerged from the rubble of the hurricane to take charge of the issues surrounding the watershed. Taking control, citizens firmly decided the fate of their local watershed.

Sources:
 Bull Run-A Task Force Report, October 1972
 The Daily Item, Lewisburg, June 22-25, 1972
 Lewisburg Borough Policy on the Bull Run Flood of 1972
 Minutes of the Lewisburg County Soil and Water Conservation Commission, August 8, 1973
 PA SCA-QS Data Summary
 Union County Commission Report, July 1976

MEETING AGENDA

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The Master Plan

Implementing the Plan

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“The dream of a better city is always in the heads of its residents.”

– Jaime Lerner, former Mayor of Curitiba, Brazil

Community Involvement

- Study Committee
- Focus Group & Key Person Interviews
- Community Design Workshop (Charrette)
- Park and Greenway User Survey
- Public Meetings

Please Sign In

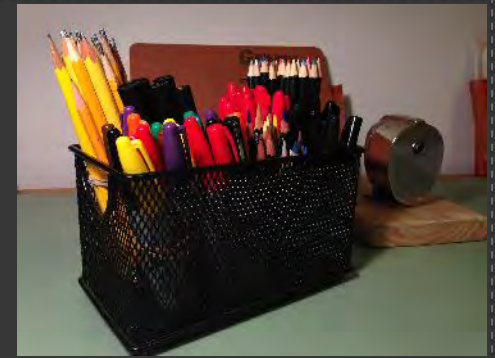
BULL RUN GREENWAY PLANNING PROJECT
Public Design Workshop/Charrette Sign In

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Adde Carney			
Susan Jordan	2nd St 21N	jordanas@bucknell.edu	570-837-9563
Steve Jordan			

Focus Groups and other Community Outreach

- Watershed Perspective Focus Group
- Future of Recreation Focus Group
- Transportation / Connections Focus Group
- Lewisburg Area School District (3)
- Connections Working Group
- PA DEP – Stream Restoration Permitting
- Bucknell Presidential Scholars
- Lewisburg Garden Club Meeting
- Bucknell Design Integration Class
- Bucknell Administration and Facilities
- Downtown and Neighborhood Revitalization
- Park and Greenway User Survey
- Brining the Past to Light – Interpretation of Place
- Transitioning to Implementation

COMMUNITY DESIGN WORKSHOP



COMMUNITY DESIGN WORKSHOP



Creating **People Places** – Spaces People Want to Be

Being Green – Park Greening and **Landscaping**

We Need to Talk – Redefining Our Relationship with **Bull Run**

Future of **Recreation** – Recreation For All Ages and Abilities

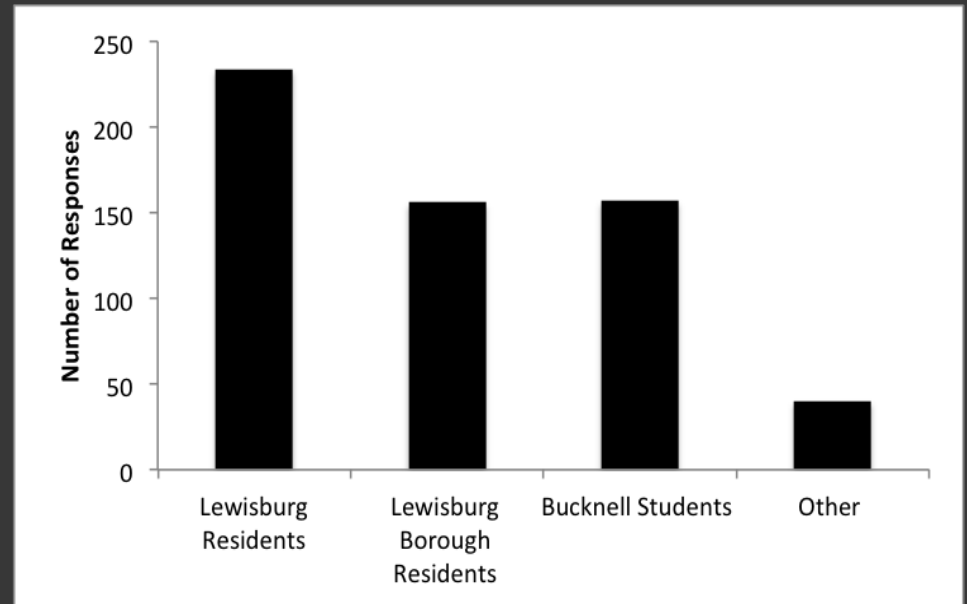
Here We Are Now Entertain Us – Creating Great **Performance Venue(s)**

Creating Connections – Walking and Biking **Trails**

PARK AND GREENWAY USER SURVEY

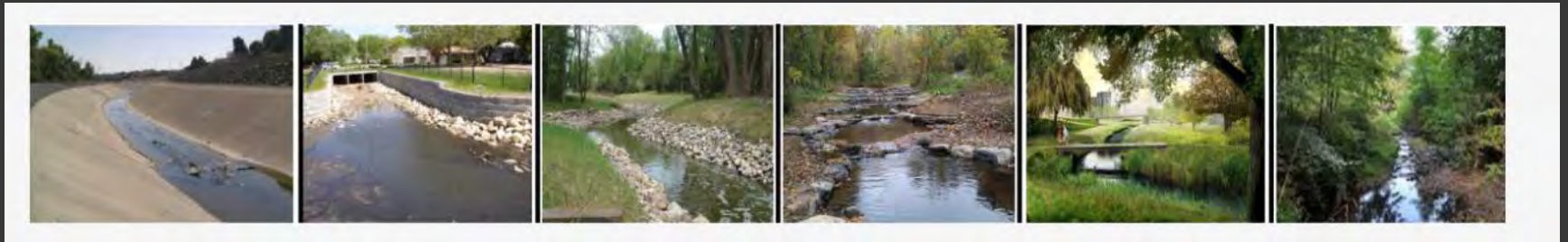
587 Total Responses

- 234 Lewisburg Area Residents
- 157 Bucknell students
- 156 Lewisburg Borough Residents
- 40 Other

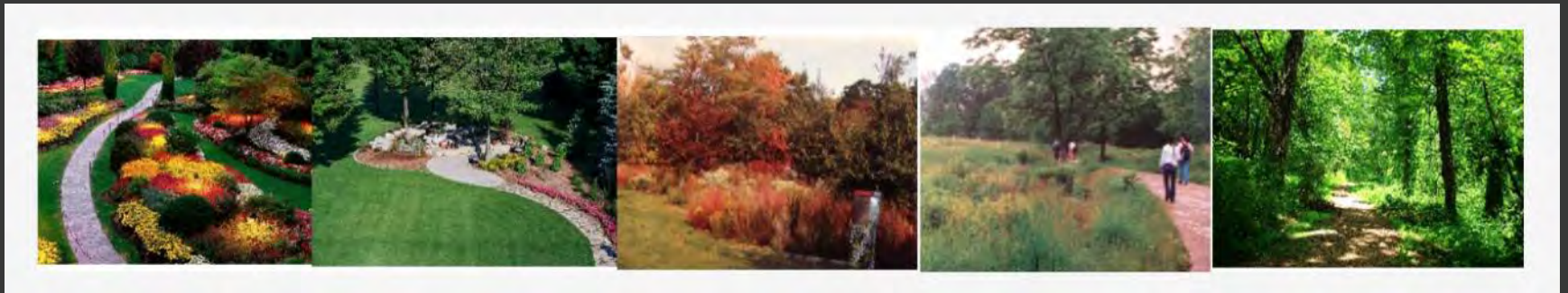


STREAM AND LANDSCAPING RESULTS

Stream: Engineered to natural: 1-6: 5.06



Landscaping: manicured to natural: 1-5: 3.65

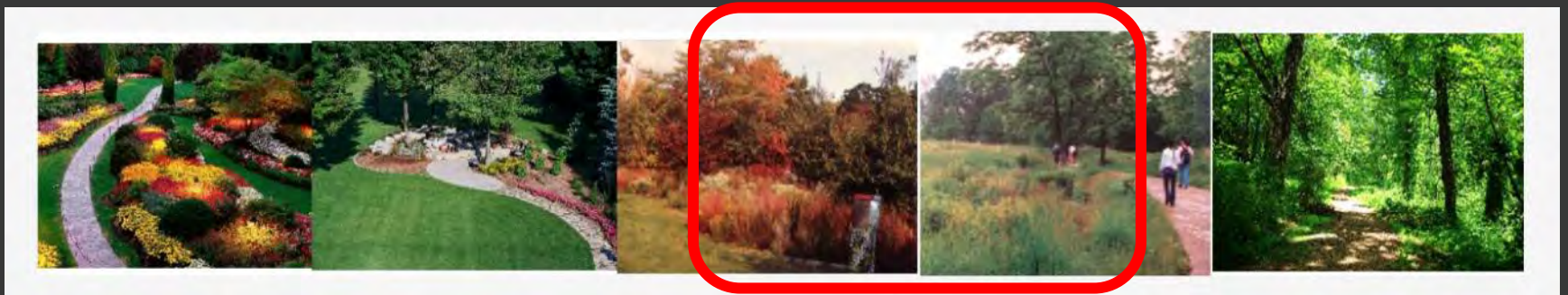


STREAM AND LANDSCAPING RESULTS

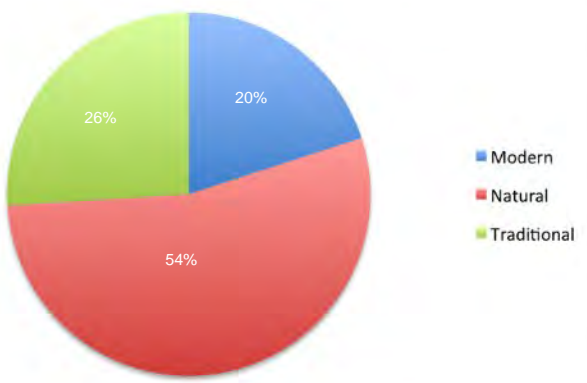
Stream: Engineered to natural: 1-6: 5.06



Landscaping: manicured to natural: 1-5: 3.65

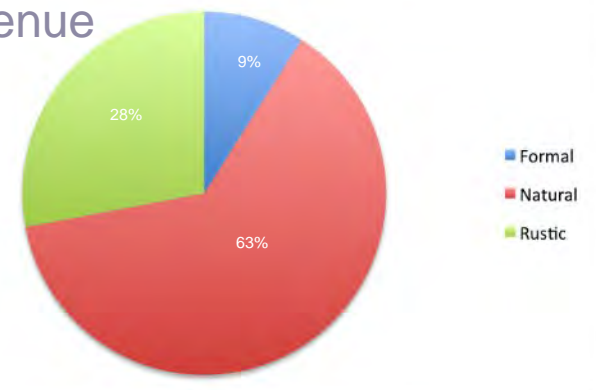


Walkways

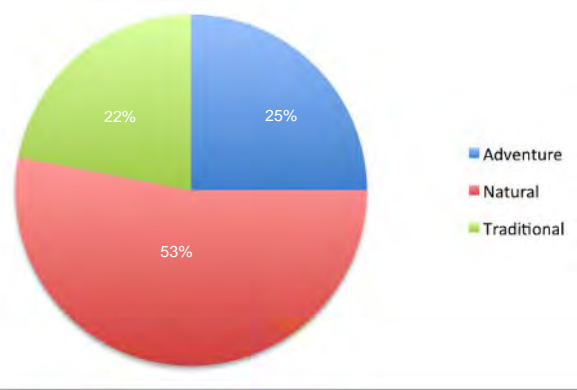


Stage and Performance

Venue



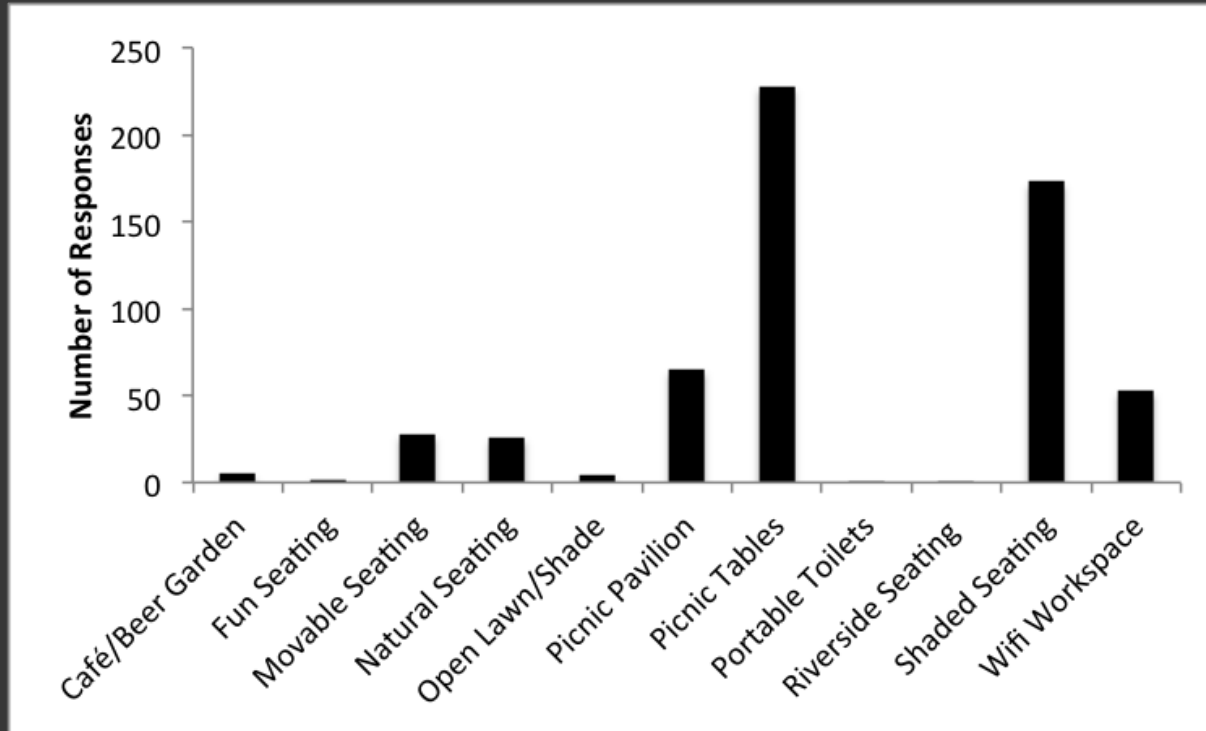
Playground



PRIORITIZATION OF PARK FEATURES (1-10)

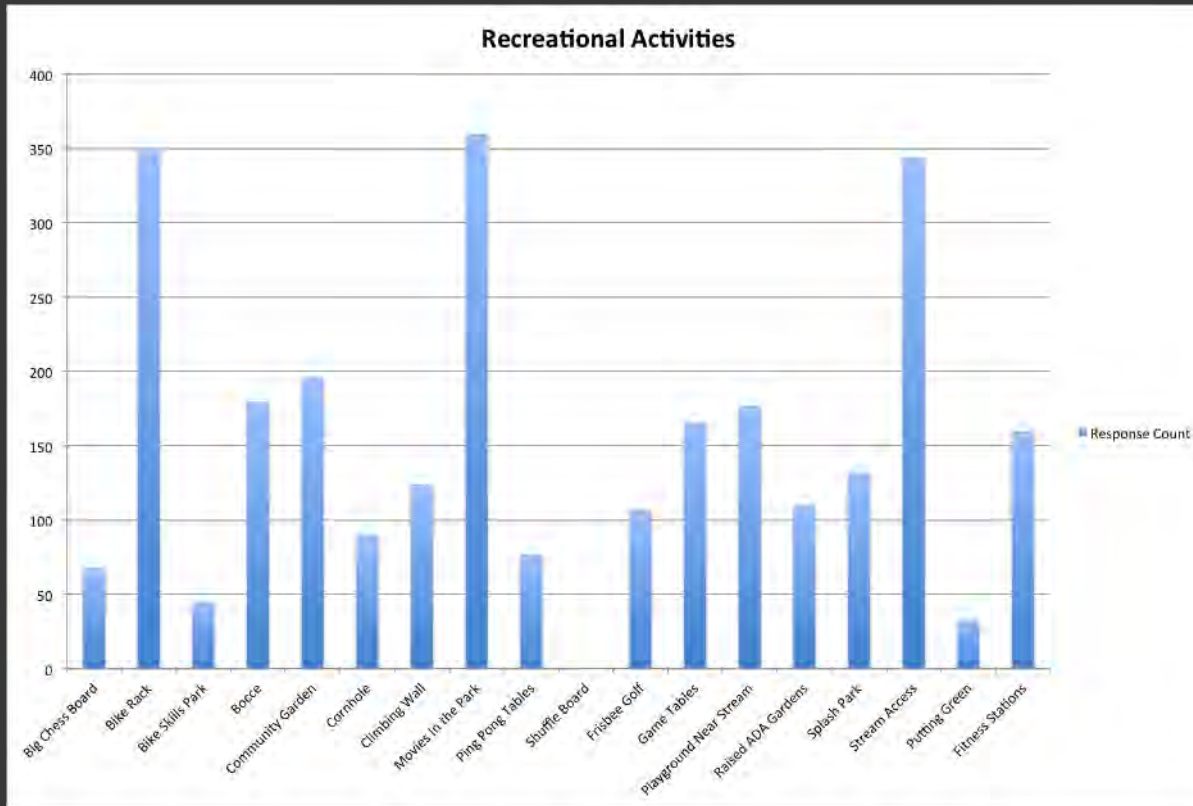
Stream Access and Restoration:	8.08
Recreational Activities	7.40
Tables and Benches:	7.34
Extending Rail Trail into park:	6.73
Playground improvements:	6.38
Stage and Performance venue:	5.90
Enhance Landscaping:	5.75

PARK FEATURE (FIRST CHOICE)



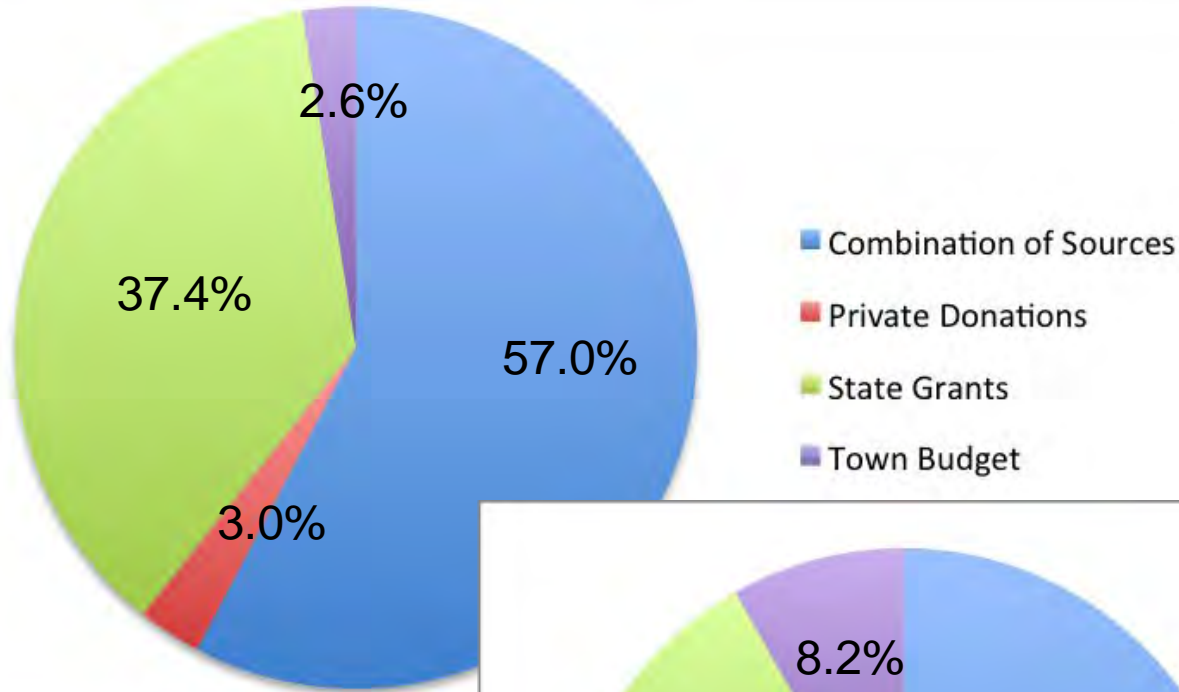
- ✓ Picnic Tables
- ✓ Shaded Seating
- ✓ Picnic Pavilion
- ✓ WiFi Workspace

RECREATIONAL ACTIVITIES

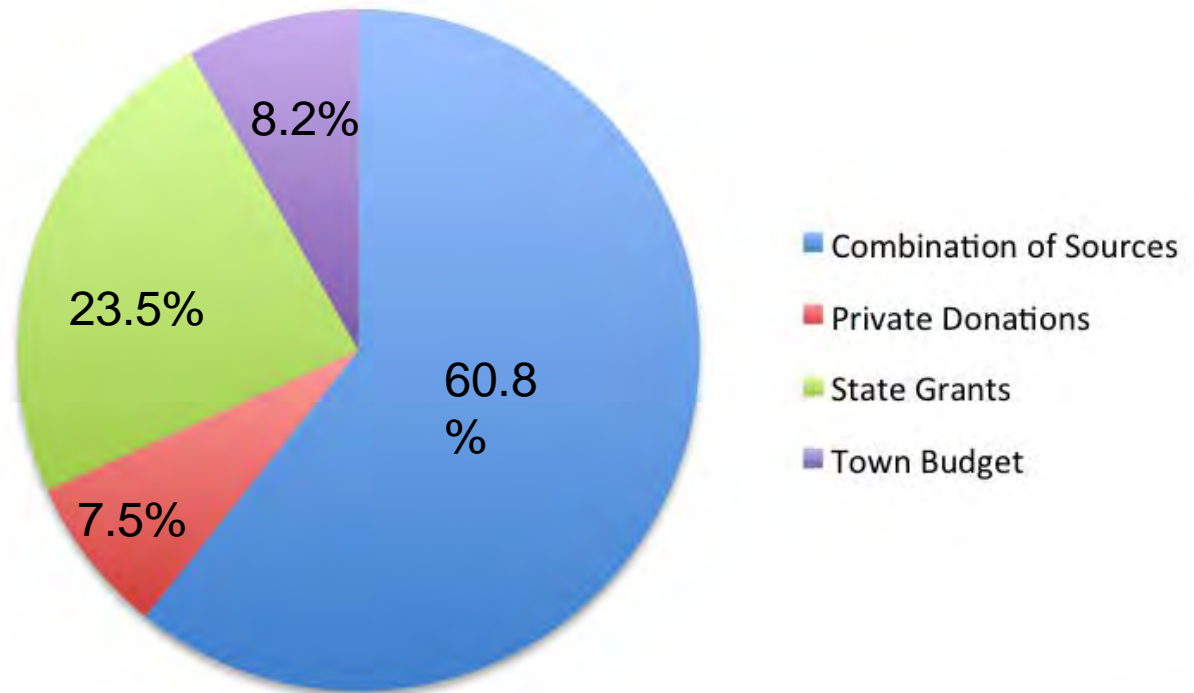


- ✓ Movies in the Park
- ✓ Bike Racks
- ✓ Stream Access
- ✓ Community Garden
- ✓ Bocce
- ✓ Playground Near Stream

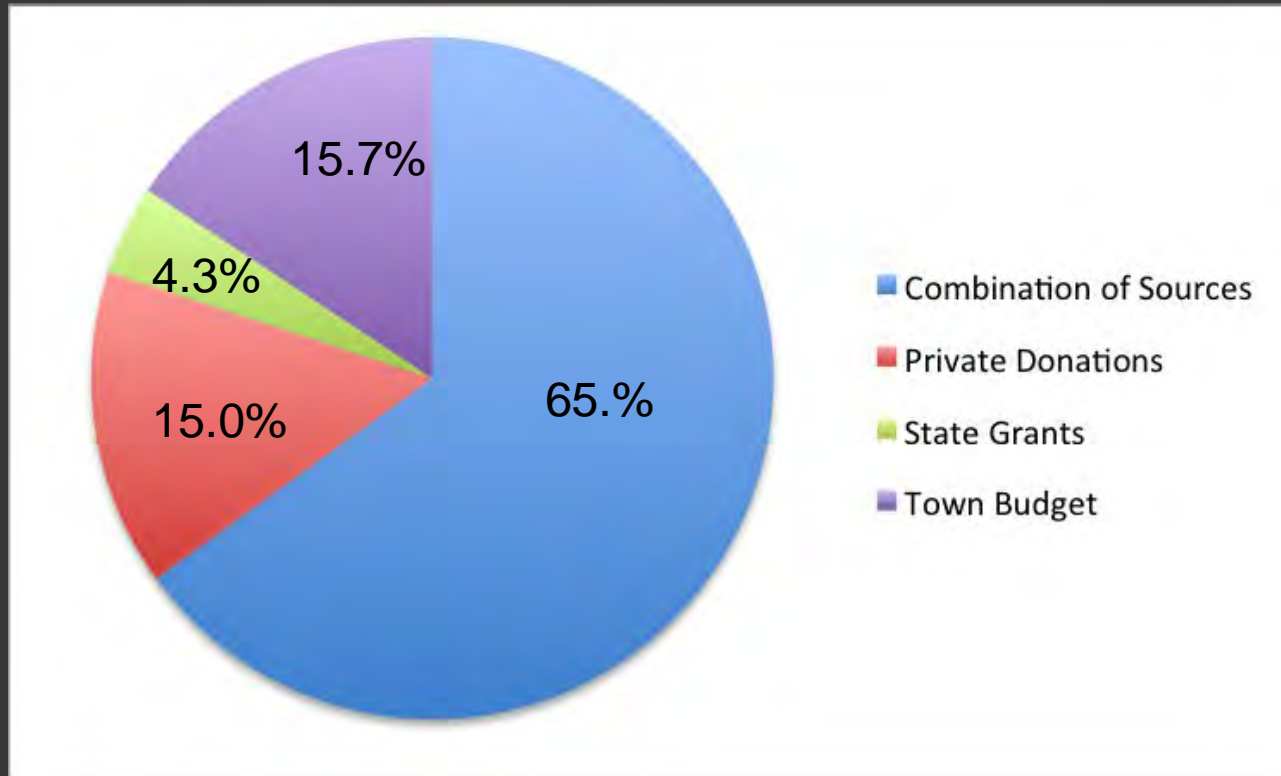
FUNDING: STREAM RESTORATION



RAIL TRAIL EXTENSION



FUNDING: RECREATIONAL ACTIVITIES



Tables and Benches
Playground Equipment
Stage and Performance Venue
Landscaping

MEETING AGENDA

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BULL RUN GREENWAY



Master Site Plan
North
Sheet 1 of 2

Vision –

The Bull Run Greenway is a network of public parks serving as a catalyst for economic development and neighborhood revitalization, creating a model for flood-resilient community design. The Greenway provides recreation for all ages and abilities, encouraging active, healthy lifestyles. The Greenway will restore the stream by raising awareness of the community’s watershed connections, improving water quality and wildlife habitat. The Bull Run Greenway will bring the community together, creating a natural setting for play, rest, contemplation, art, performance and celebration.

celebration

Greenway

lifestyles
improving Amphitheater model
Vision Restoration Education Revitalization public together
connections Education Revitalization public together
creating Walking economic Trees encouraging
network wildlife Trails abilities natural healthy bring
neighborhood Native quality Nature-Play community's habitat
Plants Play Living Parks Stage Run rest
Playgrounds provides Entrepreneurship all ages
Learning watershed Downtown setting art raising
design Stream Performance Service serving
restores Health contemplation Greenways
Culture water Partnerships flood-resilient
Neighborhoods Campus development catalyst Connection
awareness Active Arts
Biking Volunteering
Recreation community

BENEFITS OF GREENWAYS



- Biodiversity, Wildlife Habitat and Corridors
- Improved Water Quality
- Help Define Targeted Areas for Growth and Development
- Preserve Character of the Town and Country Landscape
- Retain a Sense of Place
- Create Outdoor Classrooms
- Enhance Outdoor Recreation
- Encourage Active Living
- Improve Quality of Life
- Raise Property Values
- Stimulate Tourism
- Enhance Vibrancy of Surrounding Neighborhoods and Downtown Businesses
- Create Community / Social Gathering Places
- Alternative Transportation Accommodations (pedestrian, bicycle and alternative fuel vehicles)
- Floodplain Restoration and Flood Mitigation

EMERGENT PROPERTIES OF GREENWAYS



Economic –

- Alternative Transportation
- Reduced Health Care Costs
- Increased Property Values
- Flood Mitigation / Resilience

Social –

- Improved Human Health
- Enhanced Recreation and Active Living
- Improved Quality of Life
- Growing Community and Social Networks
- Local Food Systems

Environment –

- Watershed Restoration
- Improved Water Quality
- Enhanced Wildlife Habitat
- Increased Biodiversity

STREAM AND FLOODPLAIN RESTORATION





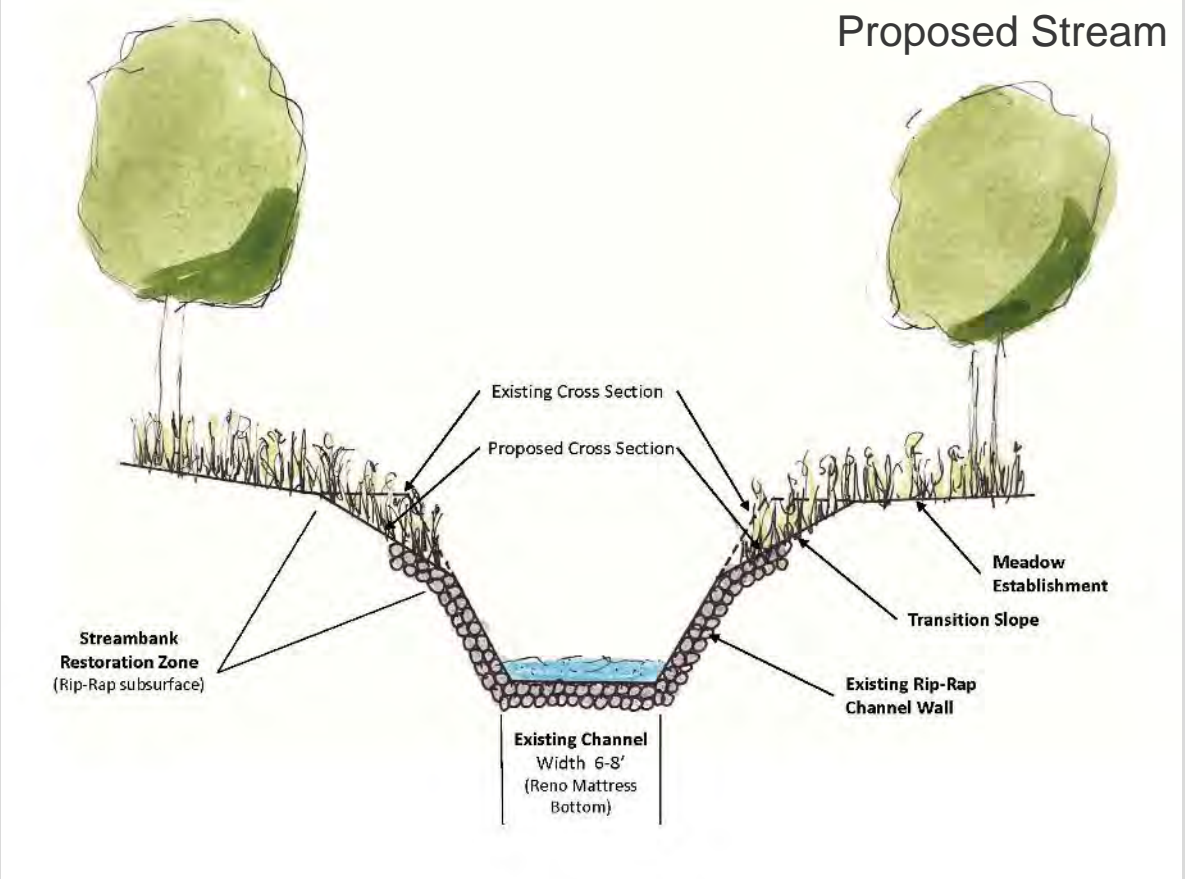
STREAM RESTORATION RECONNECTED & EXPANDED FLOODPLAIN

Existing Stream





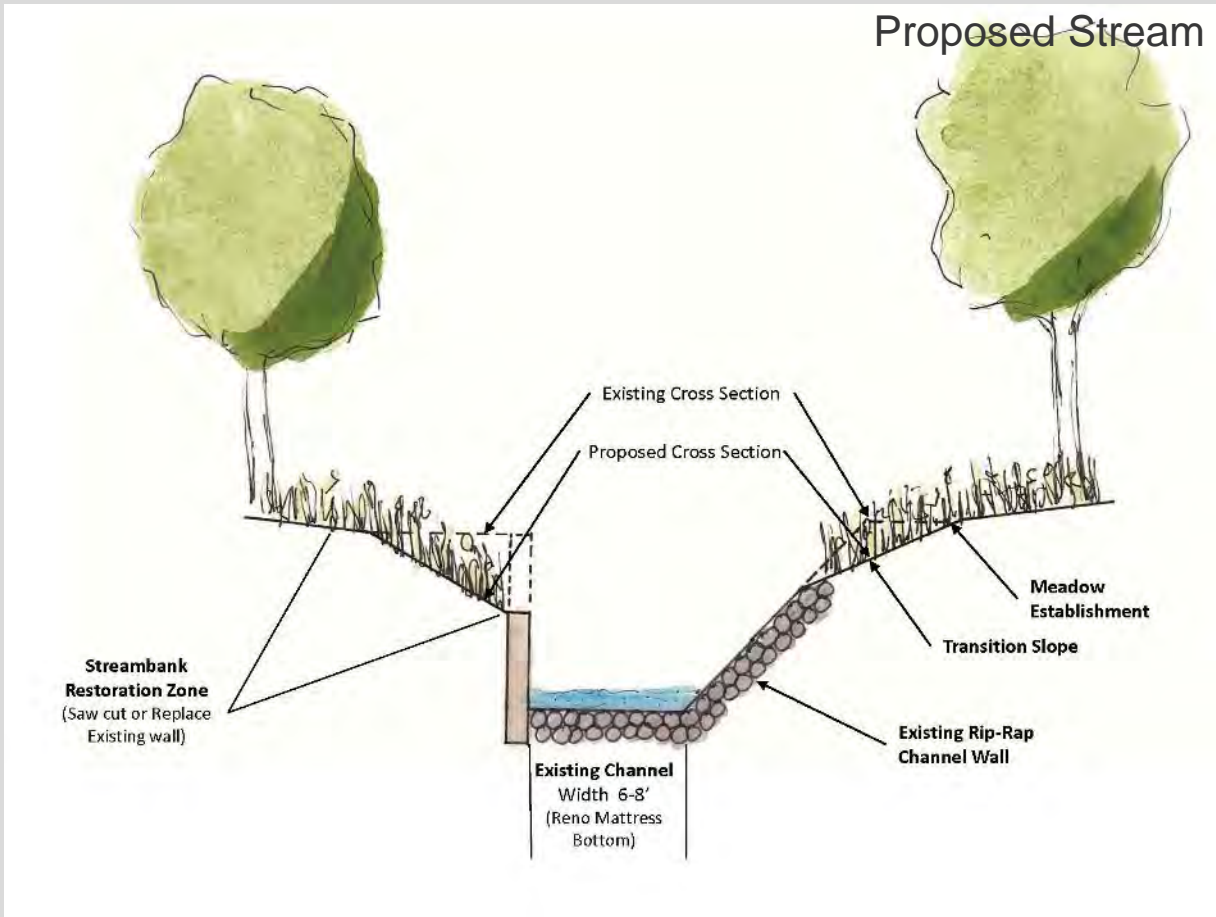
STREAM RESTORATION RECONNECTED & EXPANDED FLOODPLAIN



BULL RUN GREENWAY

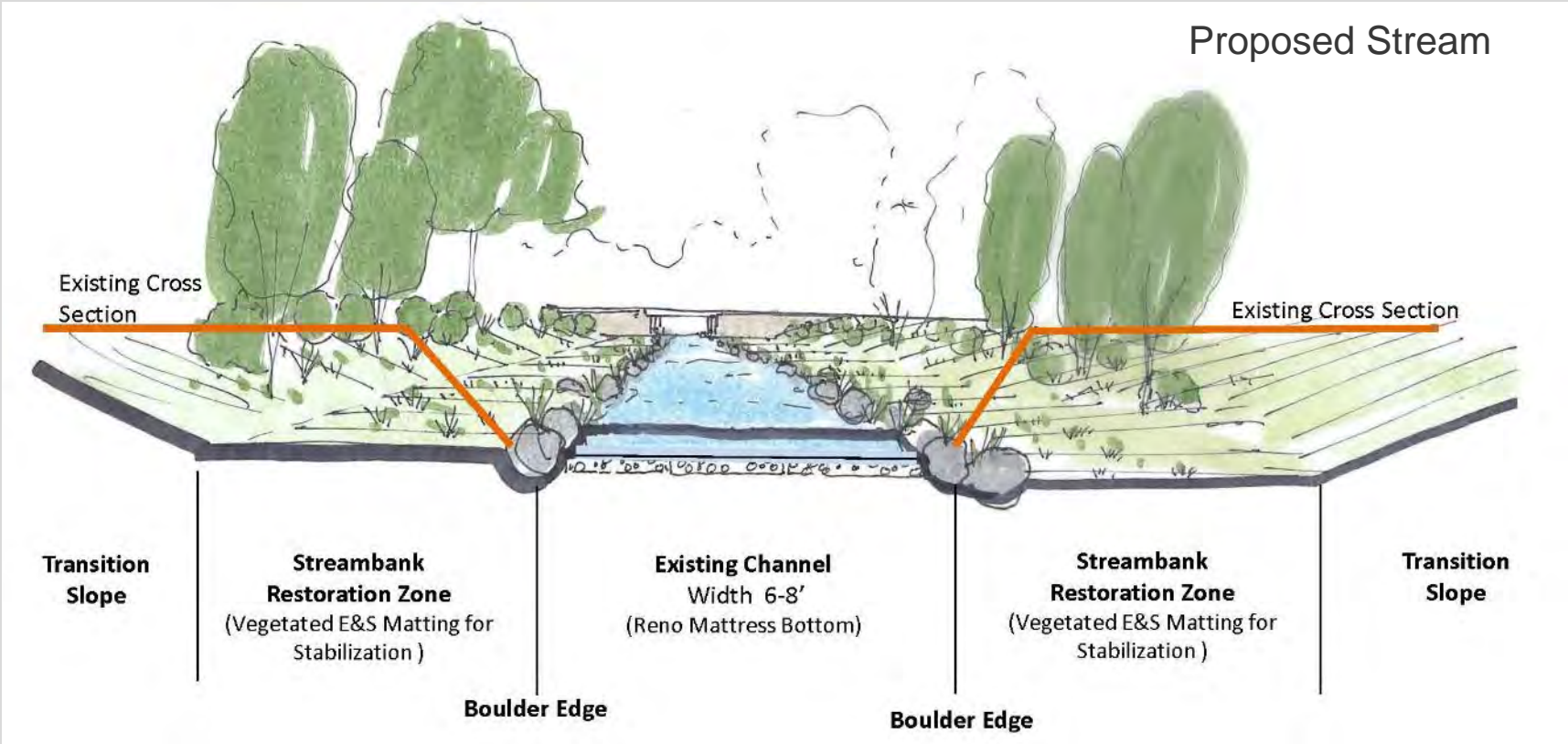


STREAM RESTORATION RECONNECTED & EXPANDED FLOODPLAIN





STREAM RESTORATION RECONNECTED & EXPANDED FLOODPLAIN



MASTER PLAN - NORTH



Daniel Green Park

- Lewisburg's Ball Park**
Park Elements:
- Little League Field – improved Drainage
 - Off Street Parking
 - Batting Cages and Practice Pitching Areas
 - Stream Restoration and Access
 - Floodplain Expansion
 - Multi-Use Court
 - Course Side Seating
 - Tot Playground
 - Playground
 - Ice Skating and Warming Hut
 - Buffalo Valley Rail Trail – connection trail
 - Buffalo Valley Rail Trail – trail head parking and kiosk
 - Park Landscaping
 - Stormwater Day-lighting
 - Riparian Buffer and Wetland Plantings
 - Food Forest (edible Landscaping)
 - Environmental Education / Interpretation
 - Flood Resilient Community Design
 - Land Acquisition and Park Expansion
 - New Tee-Ball Field
 - Community Gateway – gateway, signage and landscaping

Ball Field Size Data

Existing Major Field Size*
Left Field Line: 300'
Center Field: 300'
Right Field Line: 300'

Existing 1.8-Ball Field Size*
Left Field Line: 130'
Center Field: 130'
Right Field Line: 130'

New Field Size on Culligan Site*
Left Field Line: 177'
Center Field: 177'
Right Field Line: 177'

*Measured from home plate to outfield fence

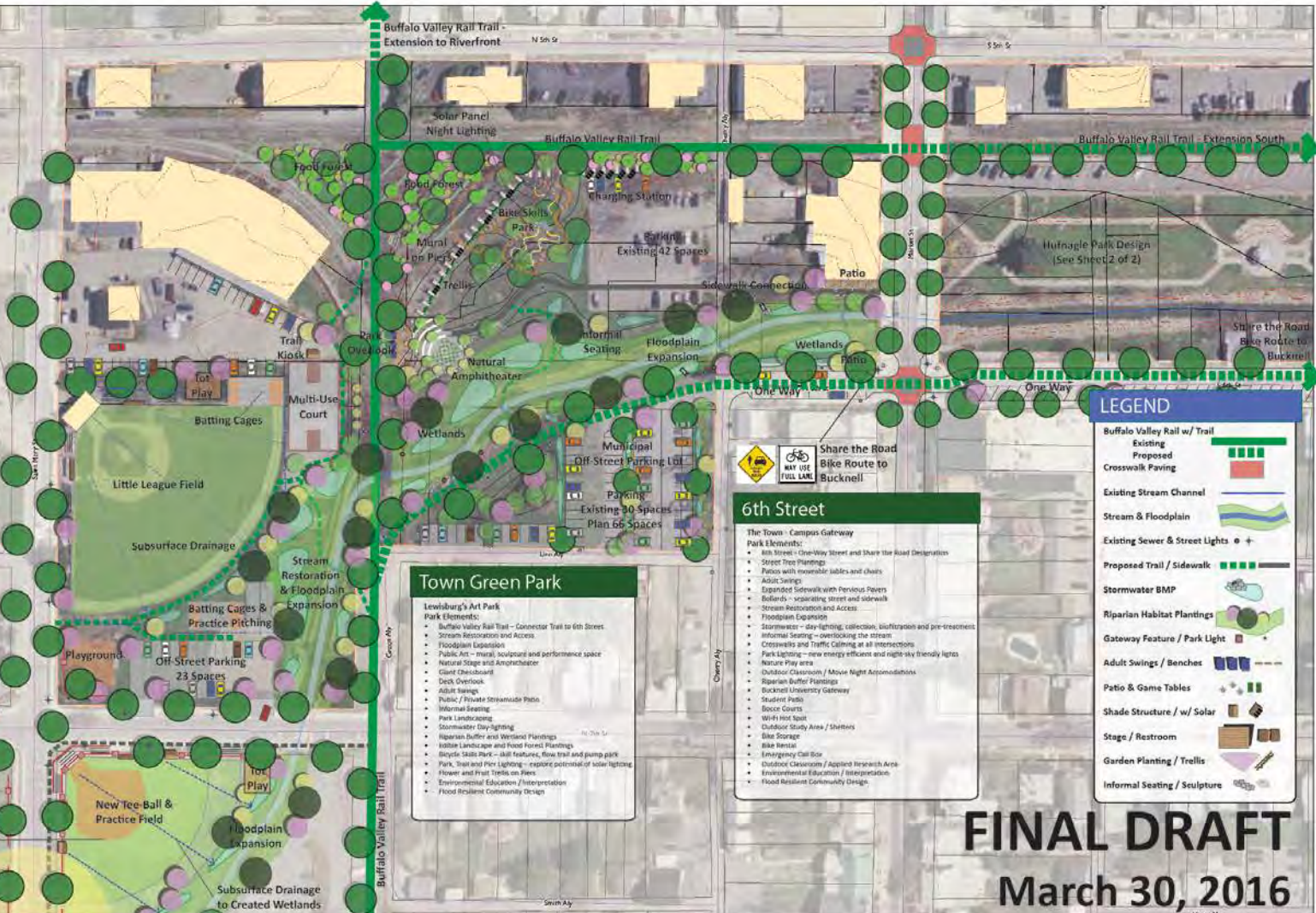
BLUESKY/AY

Street Tree Plantings at Community Gateways

Gateway Feature

Land Acquisition New Ball Field

Community Gateway Integrate Elements of the Route 15 Corridor Study



Town Green Park

- Lewisburg's Art Park**
Park Elements:
- Buffalo Valley Rail Trail – Connector Trail to 6th Street
 - Stream Restoration and Access
 - Floodplain Expansion
 - Public Art – mural, sculpture and performance space
 - Natural Stage and Amphitheater
 - Client Checkboard
 - Deck Overlook
 - Adult Seating
 - Public / Private Streamside Photo
 - Informal Seating
 - Park Landscaping
 - Stormwater Day-lighting
 - Riparian Buffer and Wetland Plantings
 - Edible Landscaping and Food Forest Plantings
 - Biocycle Skills Park – skill features, flow trail and pump park
 - Park, Trail and Pier Lighting – explore potential of solar lighting
 - Flower and Fruit Treils on Piers
 - Environmental Education / Interpretation
 - Flood Resilient Community Design

6th Street

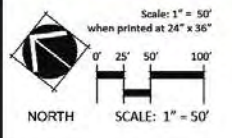
- The Town - Campus Gateway**
Park Elements:
- 6th Street - One-Way Street and Share the Road Designation
 - Street Tree Plantings
 - Patios with movable tables and chairs
 - Adult Swings
 - Expanded Sidewalk with Pervious Pavers
 - Bollards – separating street and sidewalk
 - Stream Restoration and Access
 - Floodplain Expansion
 - Stormwater – day-lighting, collection, biofiltration and pre-treatment
 - Informal Seating – overlooking the stream
 - Crosswalks and Traffic Calming at all intersections
 - Park Lighting – new energy efficient and night-sky friendly lights
 - Nature Play area
 - Outdoor Classroom / Mobile Night Accommodations
 - Riparian Buffer Plantings
 - Bucknell University Gateway
 - Student Paths
 - Bocce Courts
 - Wets Hot Spot
 - Outdoor Study Area / Shelters
 - Bike Storage
 - Bike Rental
 - Emergency Call Box
 - Outdoor Classroom / Applied Research Area
 - Environmental Education / Interpretation
 - Flood Resilient Community Design

LEGEND

- Buffalo Valley Rail w/ Trail
- Existing Proposed Crosswalk Paving
- Existing Stream Channel
- Stream & Floodplain
- Existing Sewer & Street Lights
- Proposed Trail / Sidewalk
- Stormwater BMP
- Riparian Habitat Plantings
- Gateway Feature / Park Light
- Adult Swings / Benches
- Patio & Game Tables
- Shade Structure / w/ Solar
- Stage / Restroom
- Garden Planting / Trellis
- Informal Seating / Sculpture

FINAL DRAFT
March 30, 2016

Master Site Plan North Sheet 1 of 2



Project Partners:
BSA / LA LandStudies, Inc. Albertin Vernon Architecture Kim Wheeler, AICP Kathy Hannaford, GIS Consultant



Borough of Lewisburg
Bull Run Greenway
Park Master Site Plan

MASTER PLAN – DANIEL GREEN PARK

Daniel Green Park

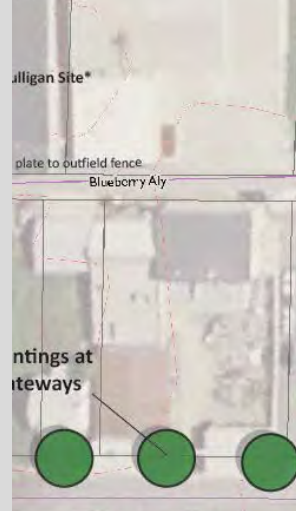
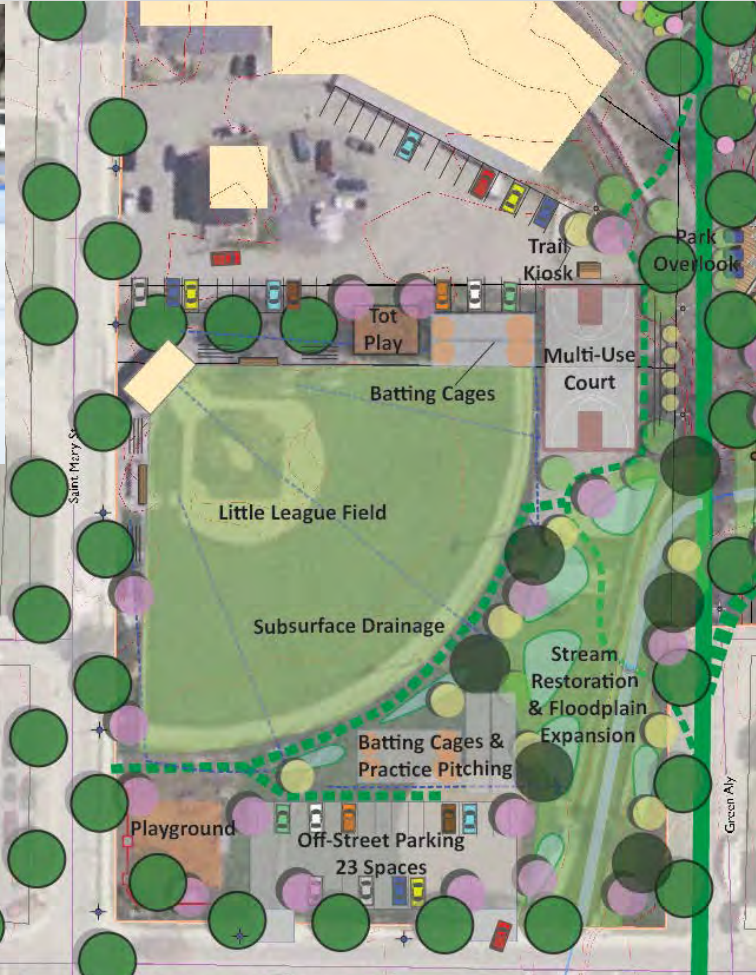
Lewisburg's Ball Park

Park Elements:

- Little League Field – Improved Drainage
- Off Street Parking
- Batting Cages and Practice Pitching Areas
- Stream Restoration and Access
- Floodplain Expansion
- Multi-Use Court
- Courtside Seating
- Tot Playground
- Playground
- Ice Skating and Warming Hut
- Buffalo Valley Rail Trail – connection trail
- Buffalo Valley Rail Trail – trail head parking and kiosk
- Park Landscaping
- Stormwater Day-lighting
- Riparian Buffer and Wetland Plantings
- Food Forest Edible Landscaping
- Environmental Education / Interpretation
- Flood Resilient Community Design
- Land Acquisition and Park Expansion
- New Tee-Ball Field
- Community Gateway – gateway, signage and landscaping



MASTER PLAN – DANIEL GREEN PARK



MASTER PLAN – TOWN GREEN PARK

Town Green Park

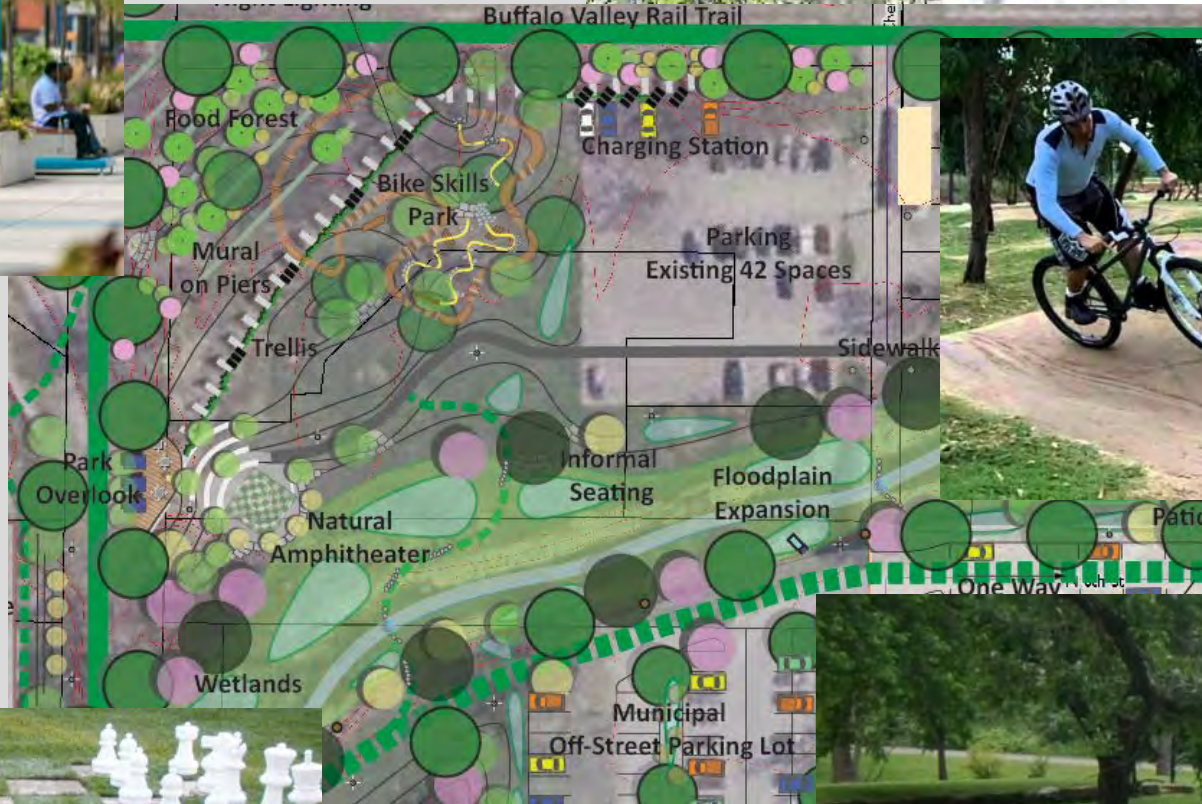
Lewisburg's Art Park

Park Elements:

- Buffalo Valley Rail Trail – Connector Trail to 6th Street
- Stream Restoration and Access
- Floodplain Expansion
- Public Art – mural, sculpture and performance space
- Natural Stage and Amphitheater
- Giant Chessboard
- Deck Overlook
- Adult Swings
- Public / Private Streamside Patio
- Informal Seating
- Park Landscaping
- Stormwater Day-lighting
- Riparian Buffer and Wetland Plantings
- Edible Landscape and Food Forest Plantings
- Bicycle Skills Park – skill features, flow trail and pump park
- Park, Trail and Pier Lighting – explore potential of solar lighting
- Flower and Fruit Trellis on Piers
- Environmental Education / Interpretation
- Flood Resilient Community Design



MASTER PLAN – TOWN GREEN PARK



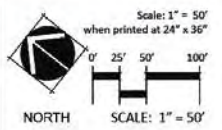
MASTER PLAN – TOWN GREEN PARK



MASTER PLAN - SOUTH



Master Site Plan South Sheet 2 of 2



Consultant Team: BSA / LA
 BSA / LA
 LandStudies, Inc.
 Albertin Vernon Architecture
 Kim Wheeler, AICP
 Kathy Hannaford, GIS Consultant



FINAL DRAFT
 March 30, 2016

**Borough of Lewisburg
 Bull Run Greenway
 Park Master Site Plan**

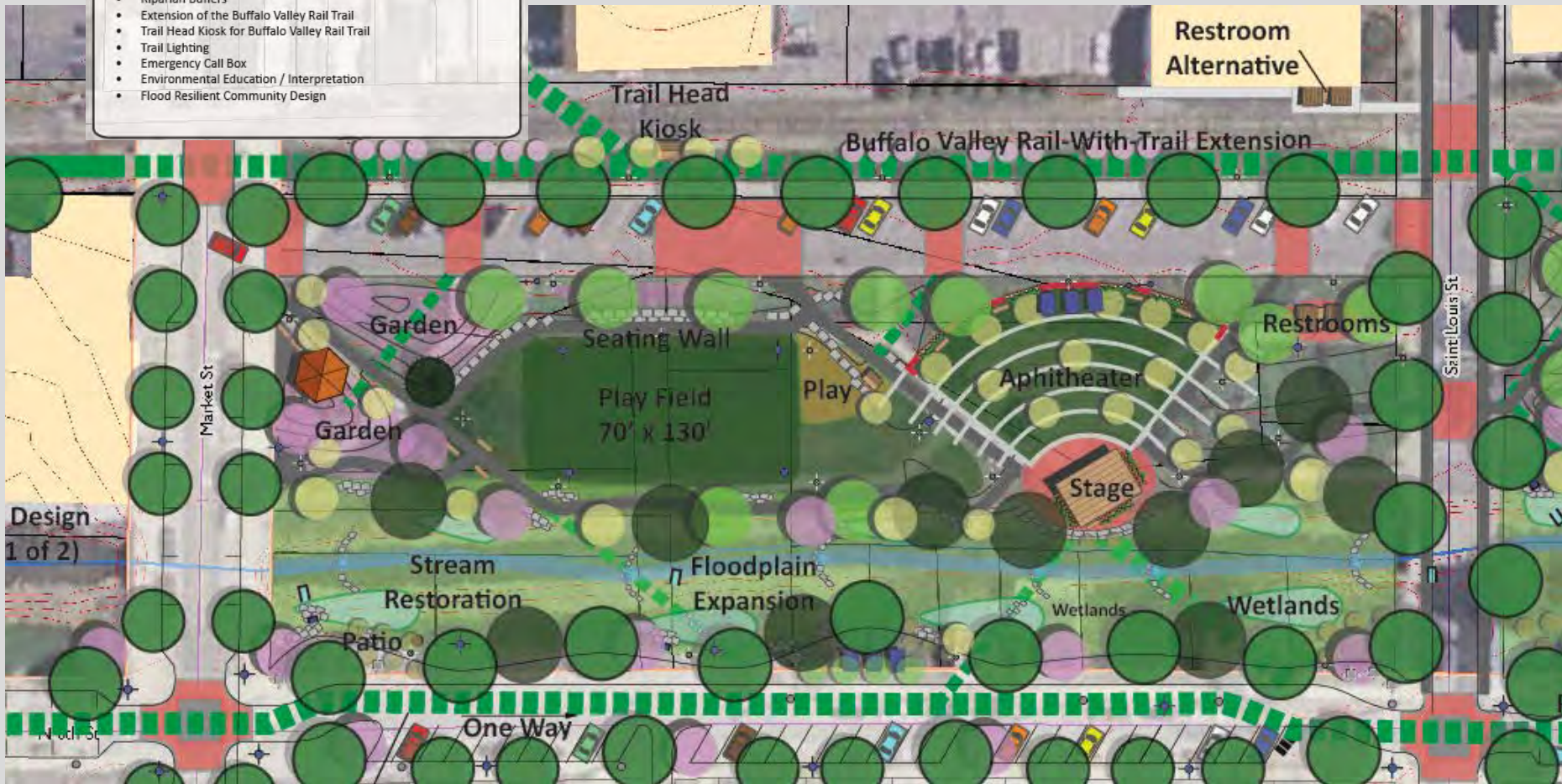
Hufnagle Park


Lewisburg Community State & Event Space

Park Elements:

- Performance Stage w/ lighting, electric, improved acoustics
- Amphitheater (capacity of 450)
- Lawn Seating Area - accommodate an additional 50 to 100 attendees
- Tot Playground
- Gardens by Lewisburg Garden Club
- Bus Stop
- Strawberry Aly
- Parking Lot Traffic Calming
- Walkways and Trail Connections
- Seating Walls
- Restrooms
- Park Lighting – new energy efficient and night-sky friendly lights
- Stream Restoration and Access
- Floodplain Expansion
- Nature Play area
- Outdoor Classroom / Movie Night Accomodations
- Stormwater Day-lighting
- Treatments Wetlands
- Riparian Buffers
- Extension of the Buffalo Valley Rail Trail
- Trail Head Kiosk for Buffalo Valley Rail Trail
- Trail Lighting
- Emergency Call Box
- Environmental Education / Interpretation
- Flood Resilient Community Design

MASTER PLAN – HUFNAGLE PARK





rethinking the
performance space

albertin vernon architecture llc

What we heard from the community



Poor acoustics
Columns obstruct views
Too small for many performances, like Shakespeare in the Park or dance
No storage space

VISUAL PREFERENCE SURVEY

Entertain Us

What's There Now?



What should it look like in the future?

*Practice of
something
different*

Formal

Modern

Natural

Rustic



Handwritten survey responses including checkmarks, numbers in circles (2, 3, 21, 24, 5), and a red circle around the 'Natural' section.

Handwritten notes: 'Practice of something different' and 'Practice of something different'.

*A place
for dance
performances*

design concept:

Performances beneath a canopy of trees

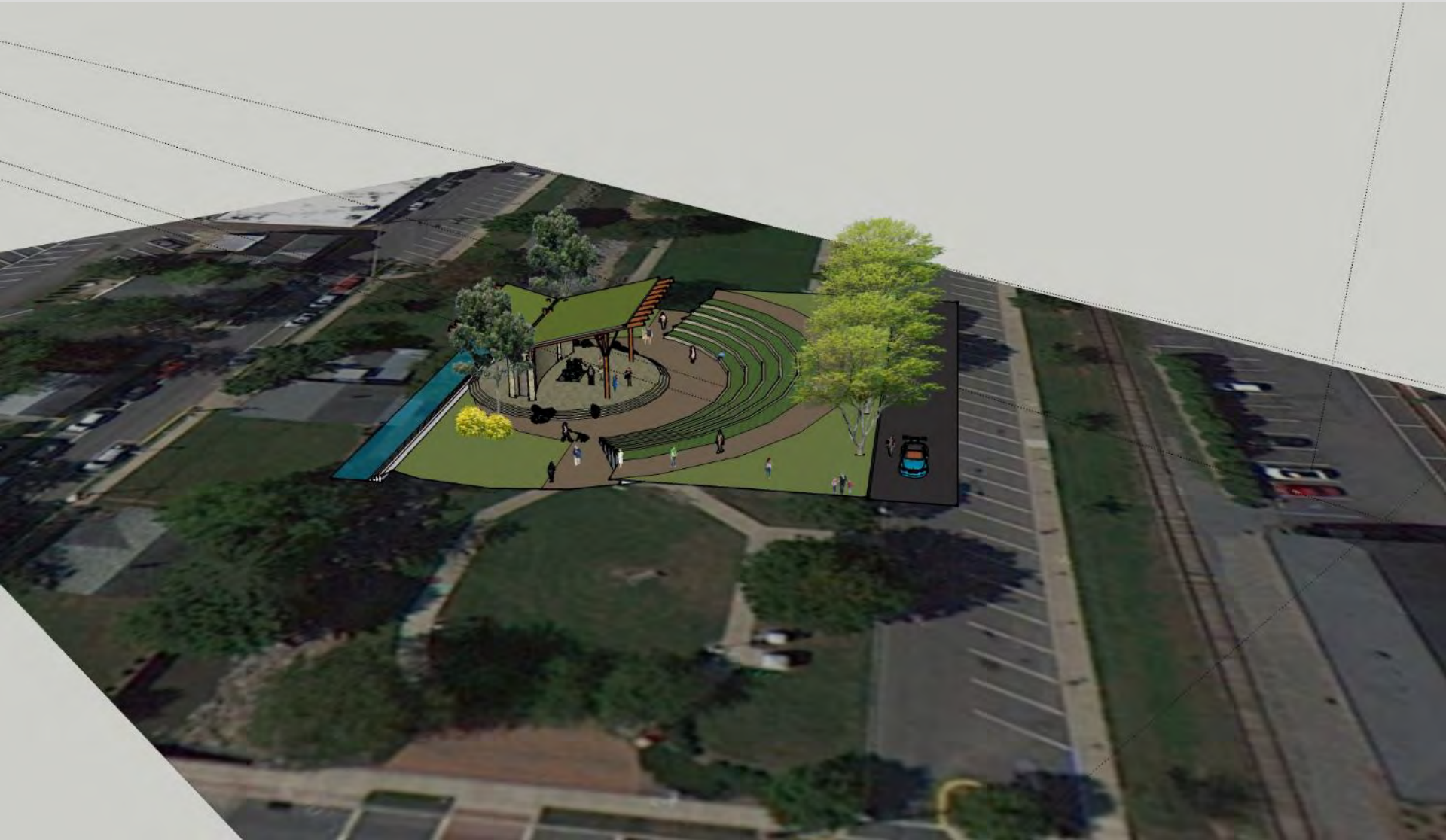


repurposing diseased street trees



Bingaman Lumber of Selinsgrove's heat treated
(acoustical) ash flooring
MuCEM Marcelles, France

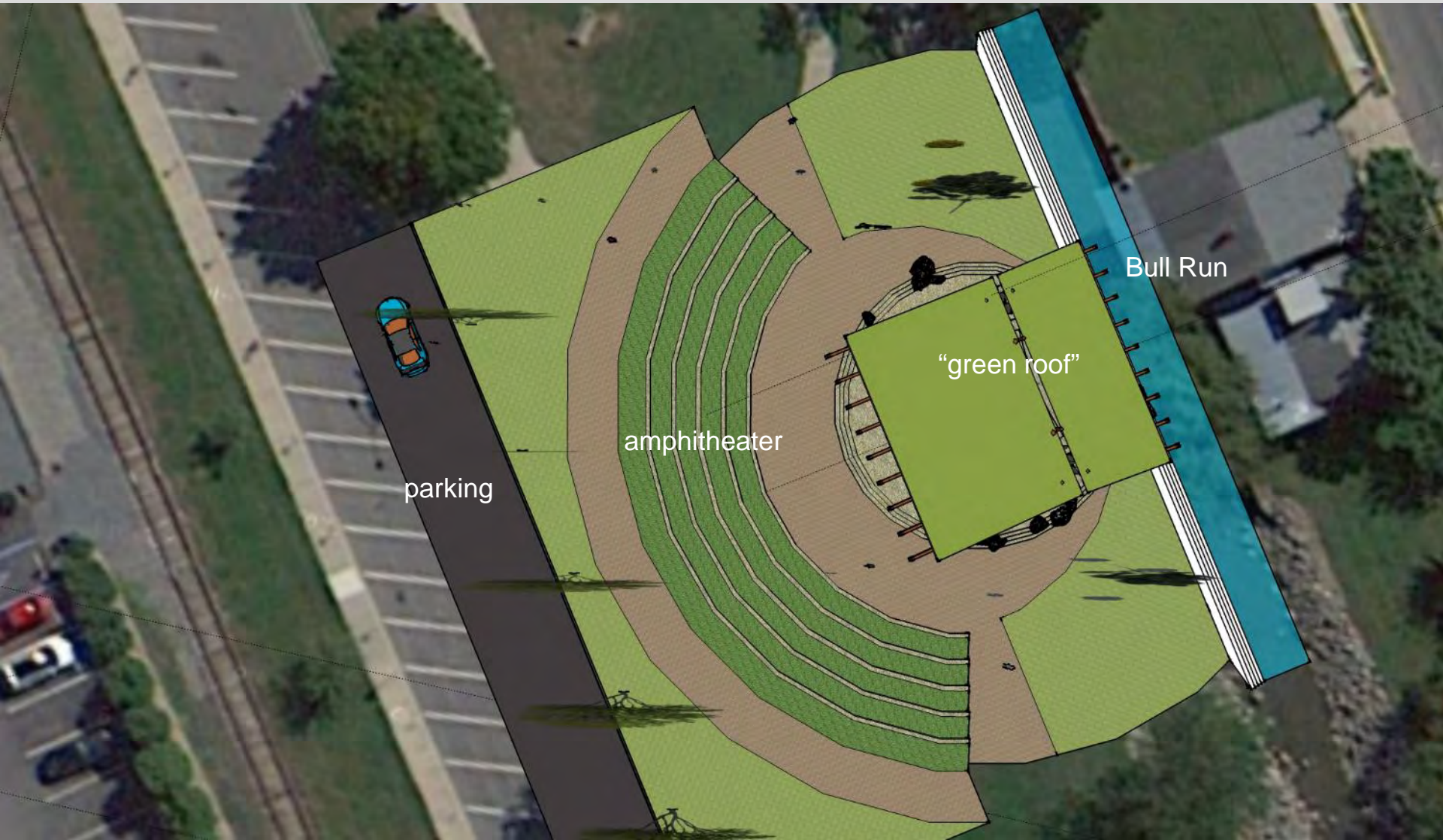
VIEW FROM ST. LOUIS STREET



VIEW FROM BOROUGH BUILDING



ROOFTOP VIEW OF PERFORMANCE CENTER



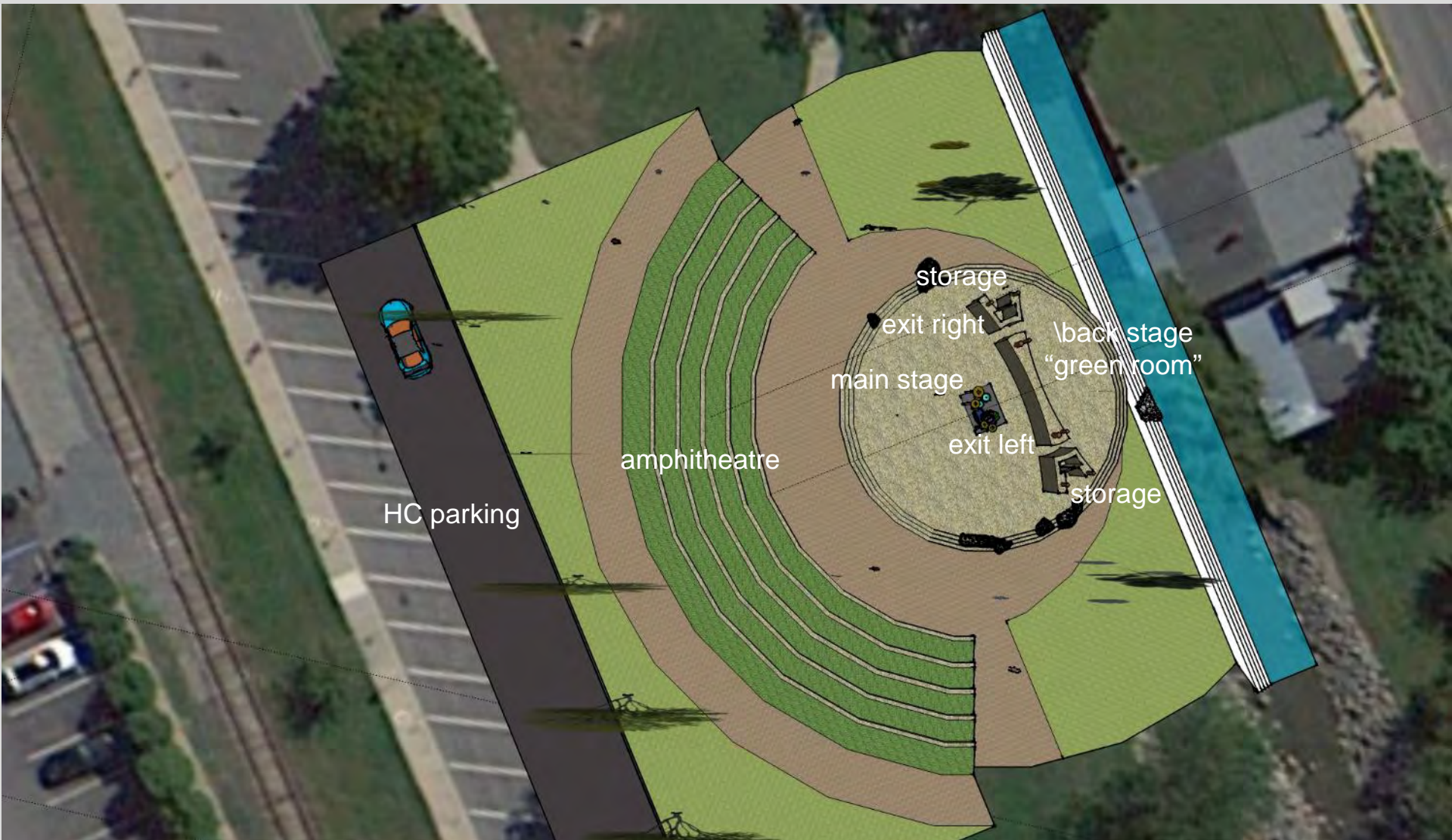
parking

amphitheater

“green roof”

Bull Run

PLAN VIEW OF PERFORMANCE CENTER

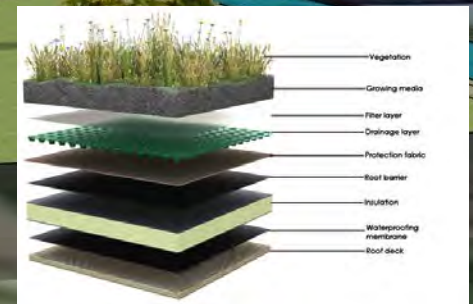


VIEW LOOKING SOUTHEAST

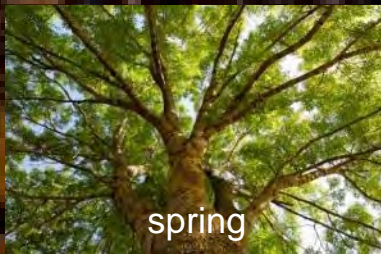


Andy Goldsworthy stone wall at Storm King

green roof system



LED LIGHTING



spring



summer



autumn

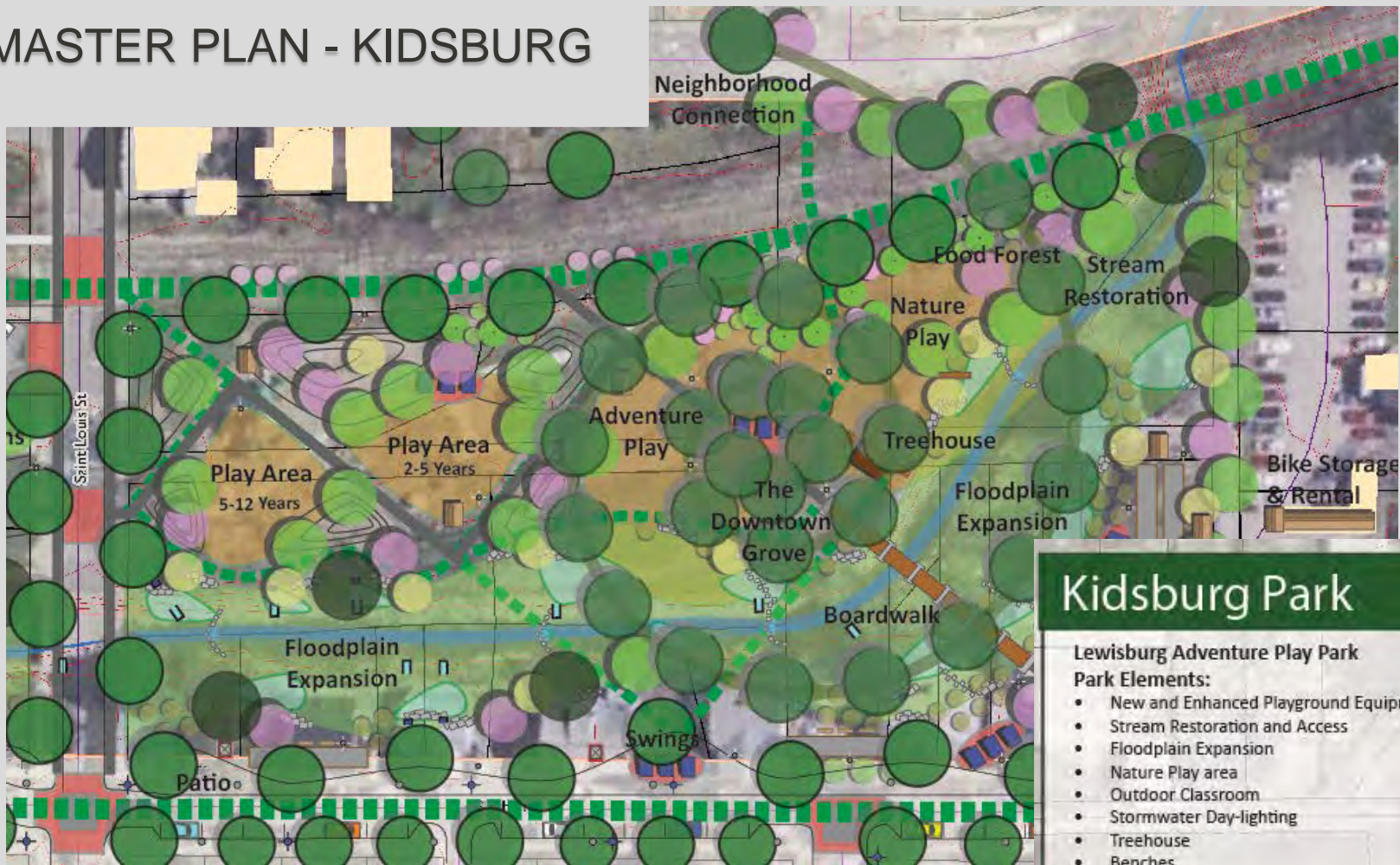


winter

MASTER PLAN – HUFNAGLE PARK



MASTER PLAN - KIDSBURG



Kidsburg Park

Lewisburg Adventure Play Park

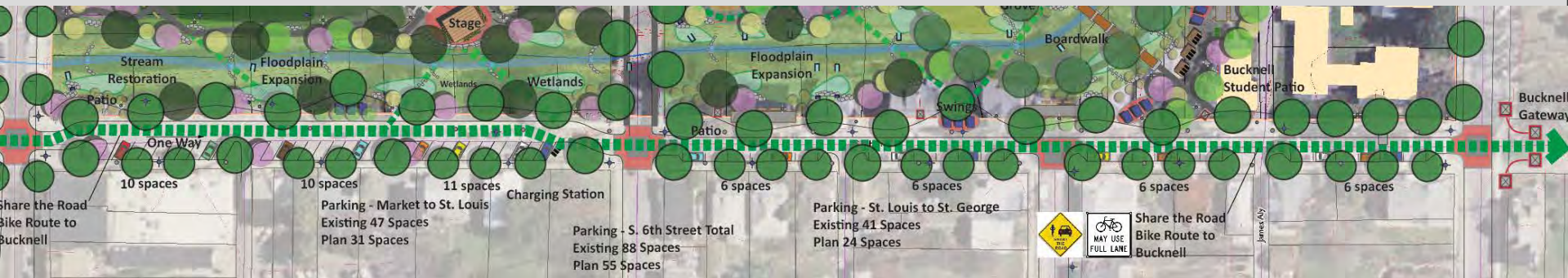
Park Elements:

- New and Enhanced Playground Equipment
- Stream Restoration and Access
- Floodplain Expansion
- Nature Play area
- Outdoor Classroom
- Stormwater Day-lighting
- Treehouse
- Benches
- Adult Swings
- Picnic Tables and Shelters
- Treatments Wetlands
- Riparian Buffers
- Planting the Downtown Grove
- Extension of the Buffalo Valley Rail Trail
- Direct Connections Between Town and Campus
- Pedestrian Bridge
- Park and Trail Lighting
- Emergency Call Box
- Environmental Education / Interpretation
- Flood Resilient Community Design

KIDSBURG



MASTER PLAN – 6TH STREET



6th Street

The Town - Campus Gateway

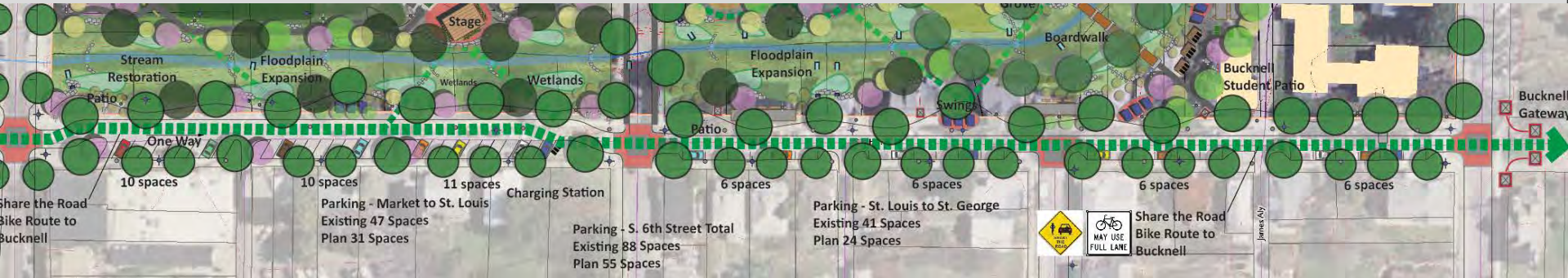
Park Elements:

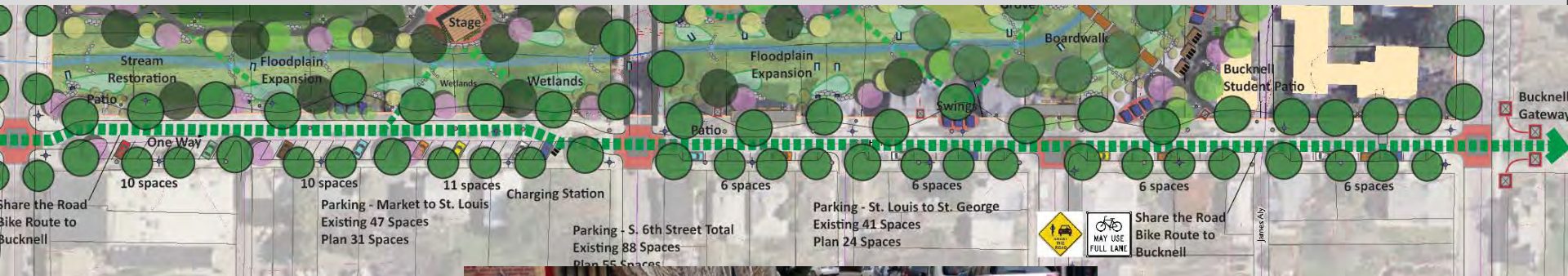
- 6th Street - One-Way Street and Share the Road Designation
- Street Tree Plantings
- Patios with moveable tables and chairs
- Adult Swings
- Expanded Sidewalk with Pervious Pavers
- Bollards – separating street and sidewalk
- Stream Restoration and Access
- Floodplain Expansion
- Stormwater – day-lighting, collection, biofiltration and pre-treatment
- Informal Seating – overlooking the stream
- Crosswalks and Traffic Calming at all intersections
- Park Lighting – new energy efficient and night-sky friendly lights
- Nature Play area
- Outdoor Classroom / Movie Night Accommodations
- Riparian Buffer Plantings
- Bucknell University Gateway
- Student Patio
- Bocce Courts
- Wi-Fi Hot Spot
- Outdoor Study Area / Shelters
- Bike Storage
- Bike Rental
- Emergency Call Box
- Outdoor Classroom / Applied Research Area
- Environmental Education / Interpretation
- Flood Resilient Community Design

S 5th St

“The street is the river of life of the city, the place where we come together, the pathway to the center.”

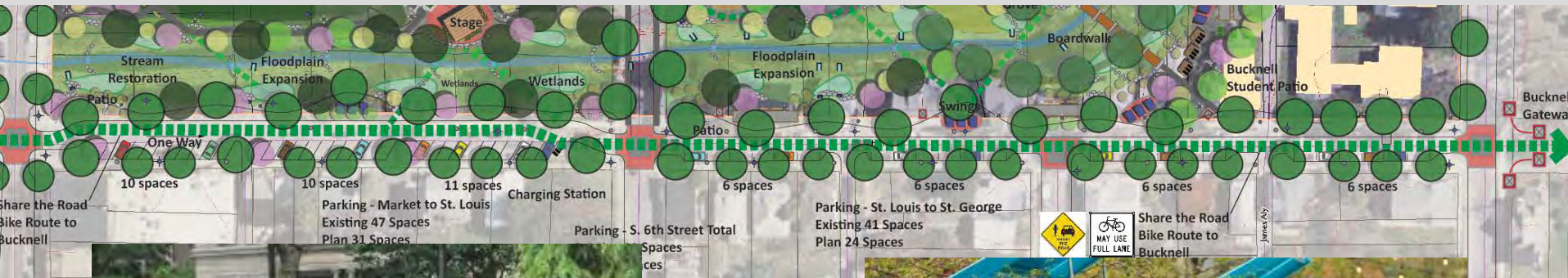
- William H. Whyte



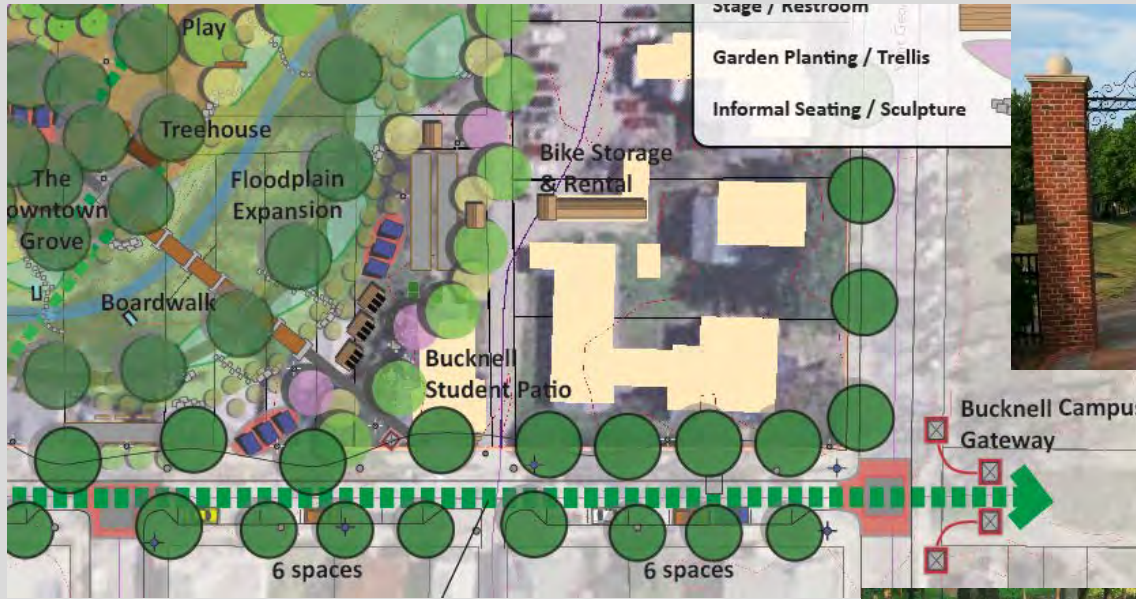




MASTER PLAN – 6TH STREET



MASTER PLAN – BUCKNELL STUDENT PATIO



MEETING AGENDA

Welcome and Introduction

Project Background

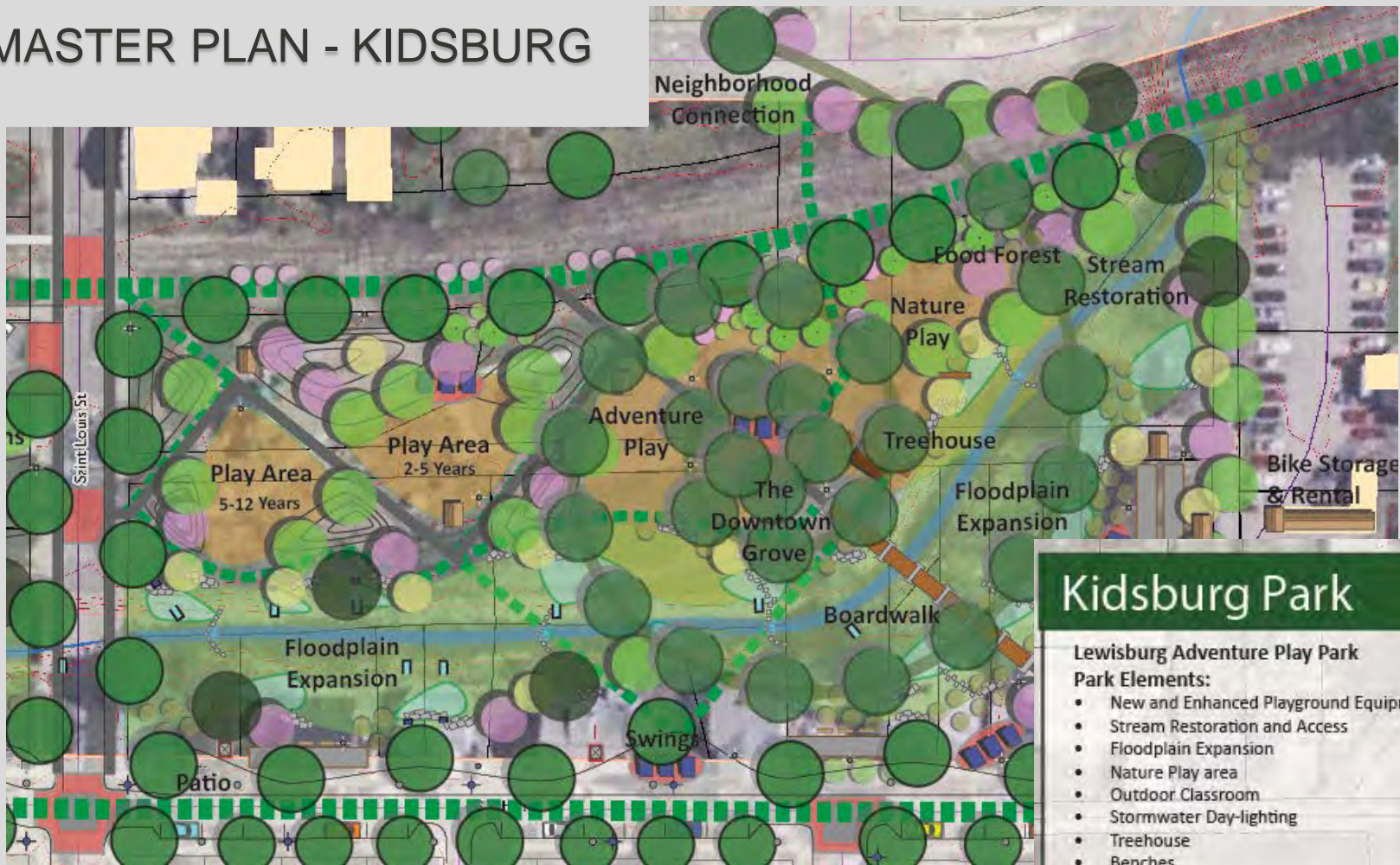
Community Involvement

The Master Plan

Implementing the Plan

Discussion and Feedback

MASTER PLAN - KIDSBURG



Kidsburg Park

Lewisburg Adventure Play Park

Park Elements:

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“When people are financially invested, they want a return. When people are emotionally invested, they want to contribute.”

- Simon Sinek

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Borough of Lewisburg



South 6th Street and Bull Run
Master Site Development and Greenway Plan



BSA / LA

Brian S. Auman / Landscape Architecture



BOROUGH OF
LEWISBURG
PUBLIC MEETING
FINAL DRAFT
MASTER PLAN

MARCH 30, 2016