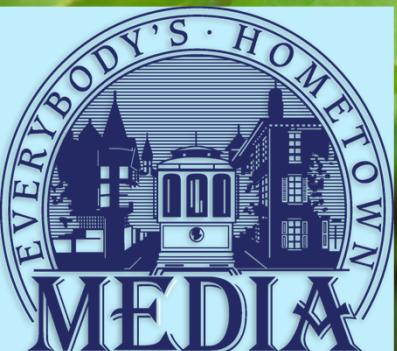


THIRD STREET PEDESTRIAN BRIDGE



AGENDA

- Welcome/Meeting Goals
- History of the Project
- Introduction to the Concept
- Hearing from You
- Report Back
- What Did We Miss?
- Next Steps

MEETING GOALS

- Understand the project history
- Understand the project parts
- Understand the project timeline
- Review concepts and get YOUR feedback



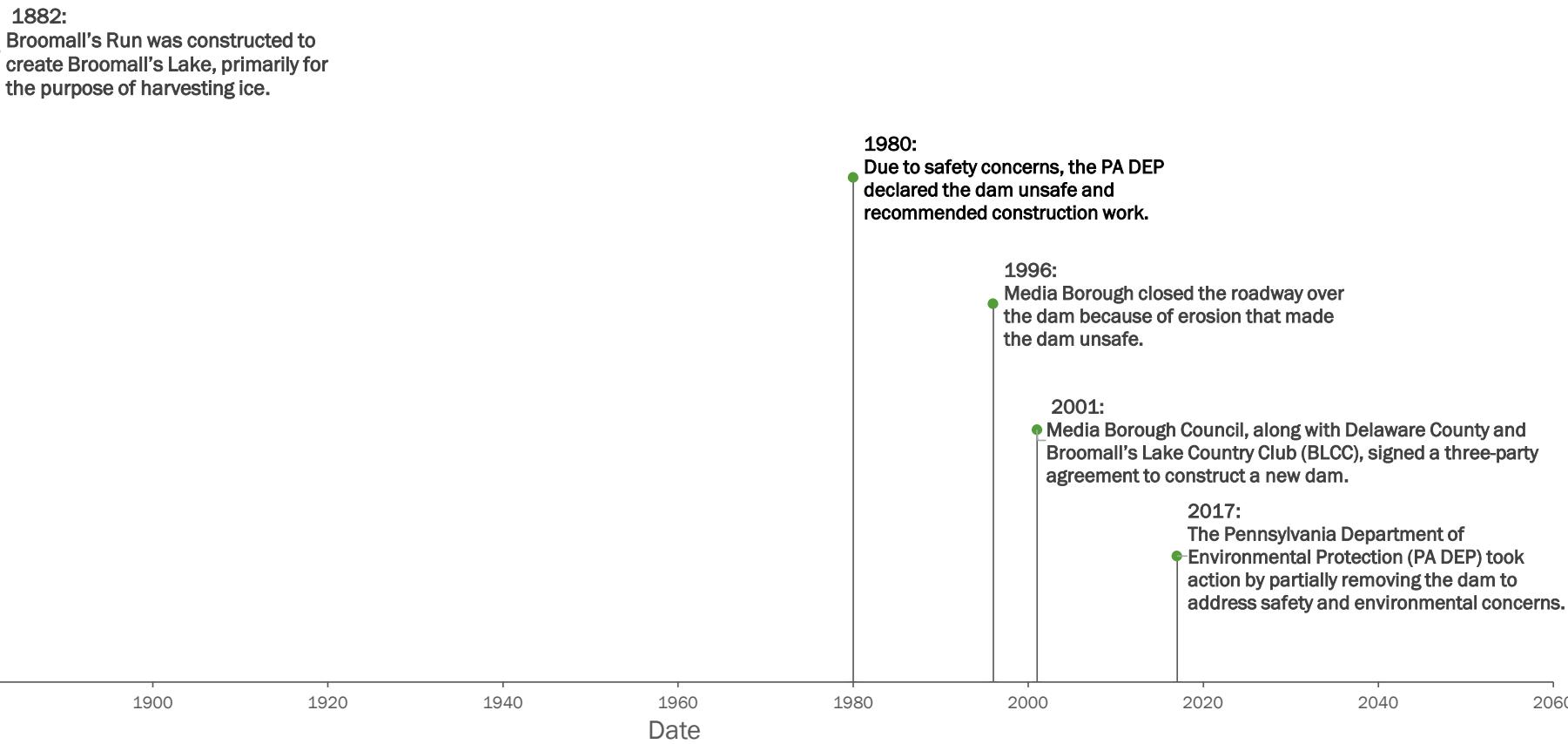
larson design group



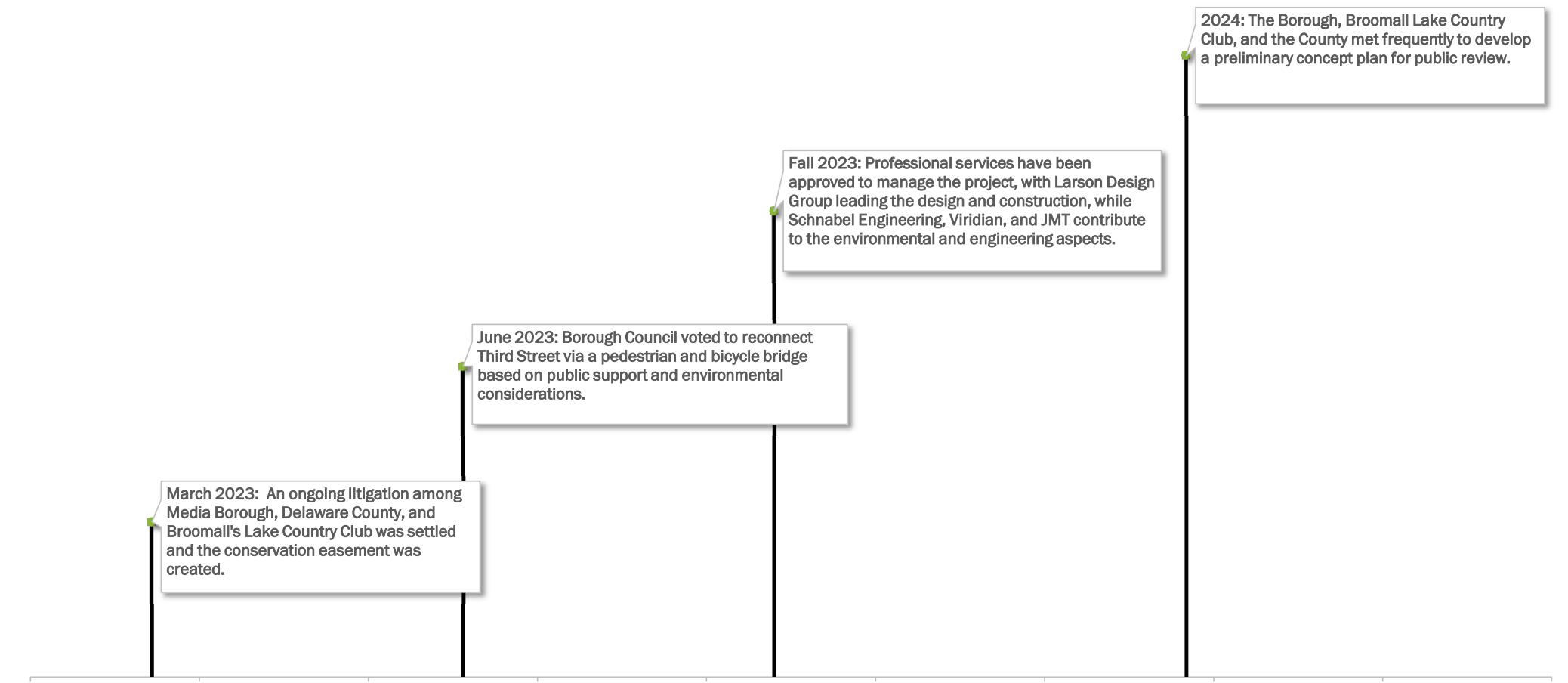
johnson, mirmiran & thompson, inc.

viridian landscape studio

PROJECT HISTORY



PROJECT HISTORY: LAST THREE YEARS



PROJECT BRIEF

Project includes:

- Full dam breach – Required by PA DEP
- Restoration and stabilization of the stream within the former lakebed.
- Restoration of Club access across the stream
- Construction of a pedestrian and bicycle bridge.
- Convert 3rd Street to a Shared Use Path – Between West Street and Upper Providence Township
- Stormwater improvements to reduce erosion and improve water quality.



REMINDER: REGULATORY REQUIREMENTS

- PA DEP requires that a full dam breach be completed, and that the lakebed be restored with a stabilized stream corridor.
- Stream and floodplain restoration will be completed upstream and through the dam area. PA DEP will review and approve the proposed project via the Dam Removal Waiver that will be prepared by the design team.
- Erosion and Sediment Control will be required during construction.
- An Environmental Document will be prepared. Approval PennDOT & FHWA is required to advance the project into Final Design.

CONSERVATION EASEMENT

EXISTING SITE



— · — Conservation easement

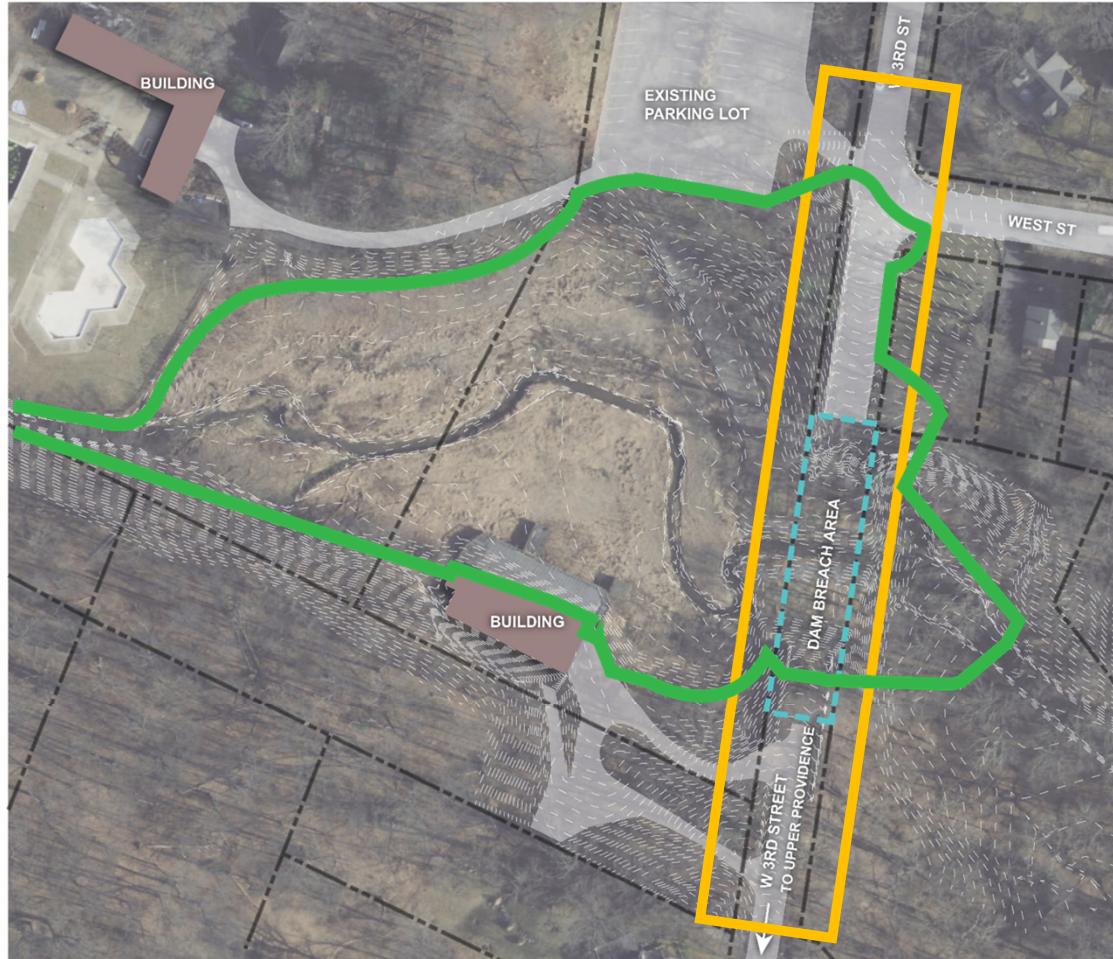
larson design group

johnson, mirmiran & thompson, inc.

viridian landscape studio

THE PROJECTS

SITE PLAN



larson design group

johnson, mirmiran & thompson, inc.

viridian landscape studio

Stream Restoration & Crossing

Bridge

CONCEPT



CONCEPT

SITE PLAN: ALL PROJECTS



larson design group

johnson, mirmiran & thompson, inc.

LEGEND

- EXISTING TREE CANOPY
ESTIMATED TO REMAIN
- REVEGETATED AREA
TREES, SHRUBS, GROUNDCOVER
- WETLAND
RESTORED FLOODPLAIN
- STREAM
RESTORED STREAM CHANNEL
- RAIN GARDEN
- BRIDGE
- PATH
- GATHERING SPACE



viridian landscape studio

CONCEPT

SITE PLAN: ALL PROJECTS



Stream Restoration & Crossing

Bridge

larson design group

johnson, mirmiran & thompson, inc.

viridian landscape studio

CONCEPT

SITE PLAN: STREAM RESTORATION AND CROSSING PROJECT



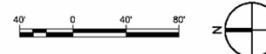
larson design group

johnson, mirmiran & thompson, inc.

viridian landscape studio

LEGEND

- EXISTING TREE CANOPY
ESTIMATED TO REMAIN
- REVEGETATED AREA
TREES, SHRUBS, GROUNDCOVER
- WETLAND
RESTORED FLOODPLAIN
- STREAM
RESTORED STREAM CHANNEL
- RAIN GARDEN
- BRIDGE
- PATH
- GATHERING SPACE

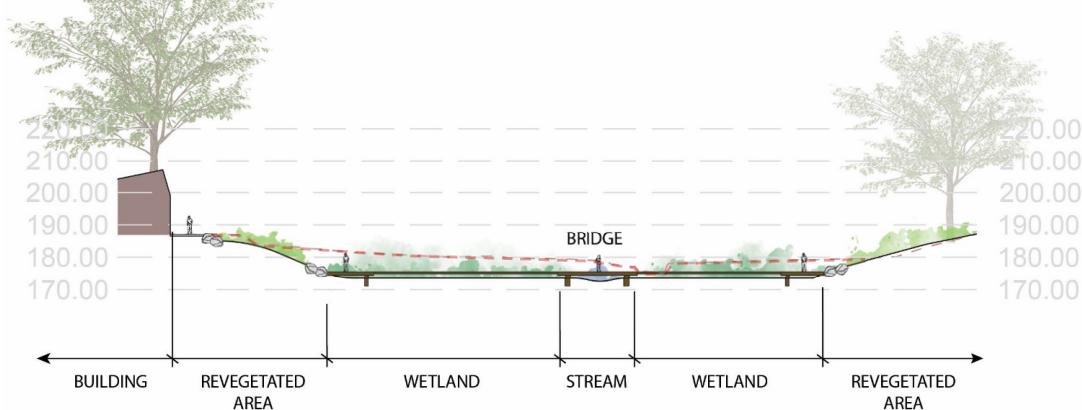


CONCEPT

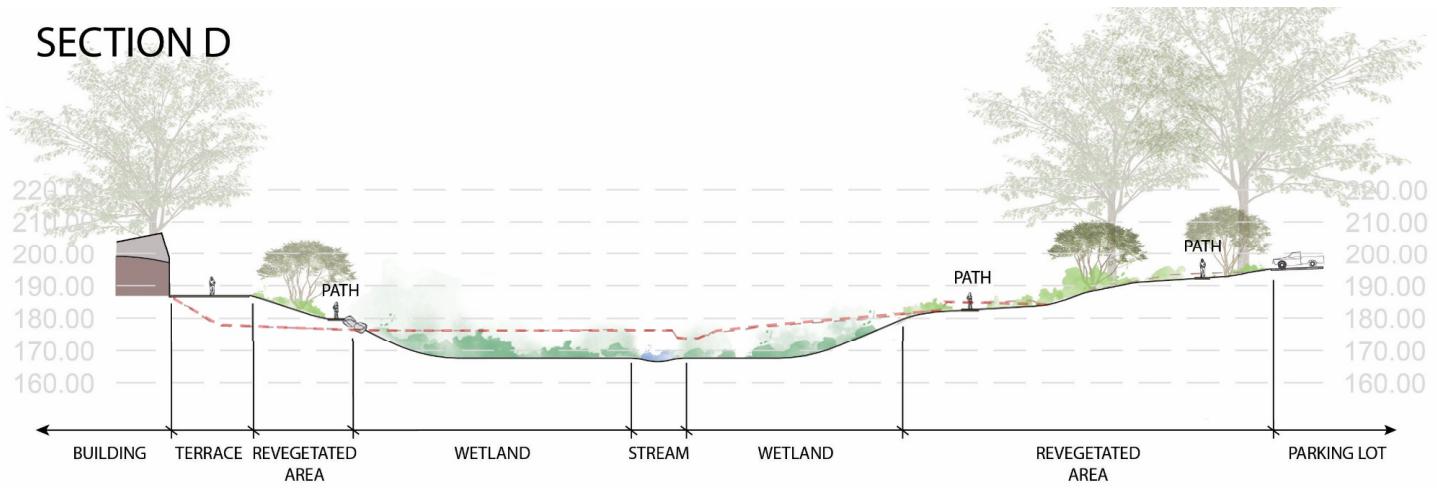
SITE PLAN: STREAM RESTORATION AND CROSSING PROJECT



SECTION C

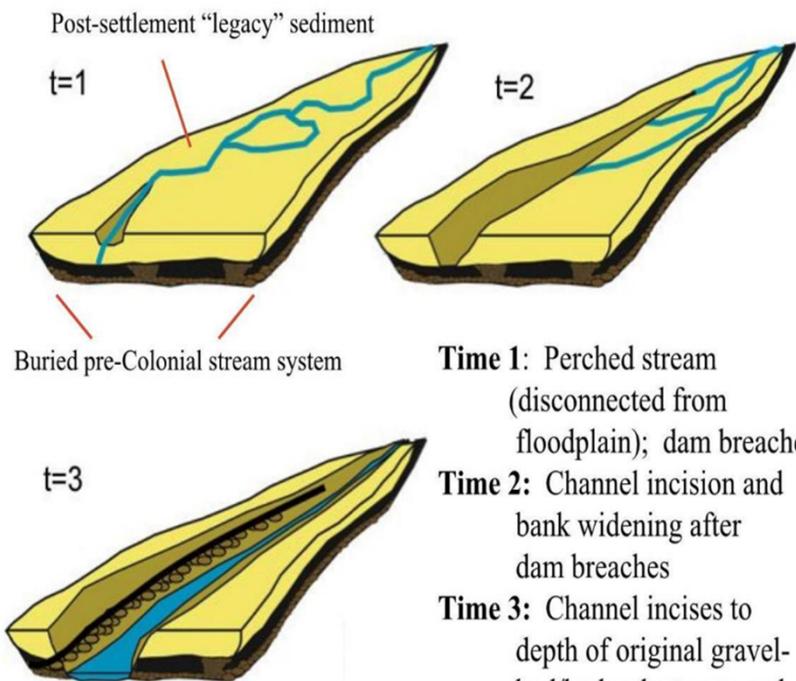


SECTION D



STREAM RESTORATION

LEGACY SEDIMENT



- Time 1:** Perched stream (disconnected from floodplain); dam breached
- Time 2:** Channel incision and bank widening after dam breaches
- Time 3:** Channel incises to depth of original gravel-bed/bedrock stream and erodes pre-Colonial gravel



Source: Dave Rosgen

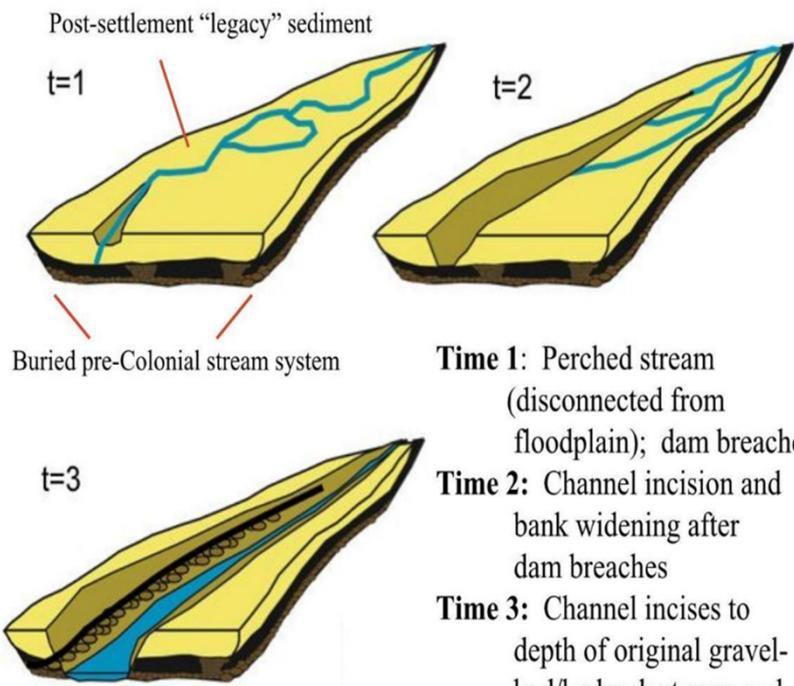
larson design group

johnson, mirmiran & thompson, inc.

viridian landscape studio

STREAM RESTORATION

LEGACY SEDIMENT



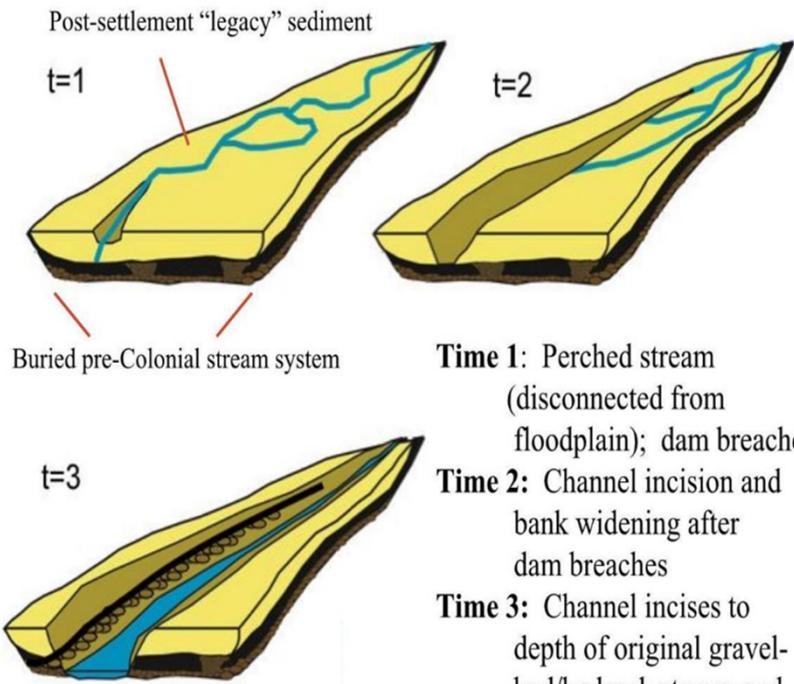
- Time 1:** Perched stream (disconnected from floodplain); dam breached
- Time 2:** Channel incision and bank widening after dam breaches
- Time 3:** Channel incises to depth of original gravel-bed/bedrock stream and erodes pre-Colonial gravel

Source: Dave Rosgen



STREAM RESTORATION

LEGACY SEDIMENT



- Time 1:** Perched stream (disconnected from floodplain); dam breached
- Time 2:** Channel incision and bank widening after dam breaches
- Time 3:** Channel incises to depth of original gravel-bed/bedrock stream and erodes pre-Colonial gravel



Source: Dave Rosgen

larson design group

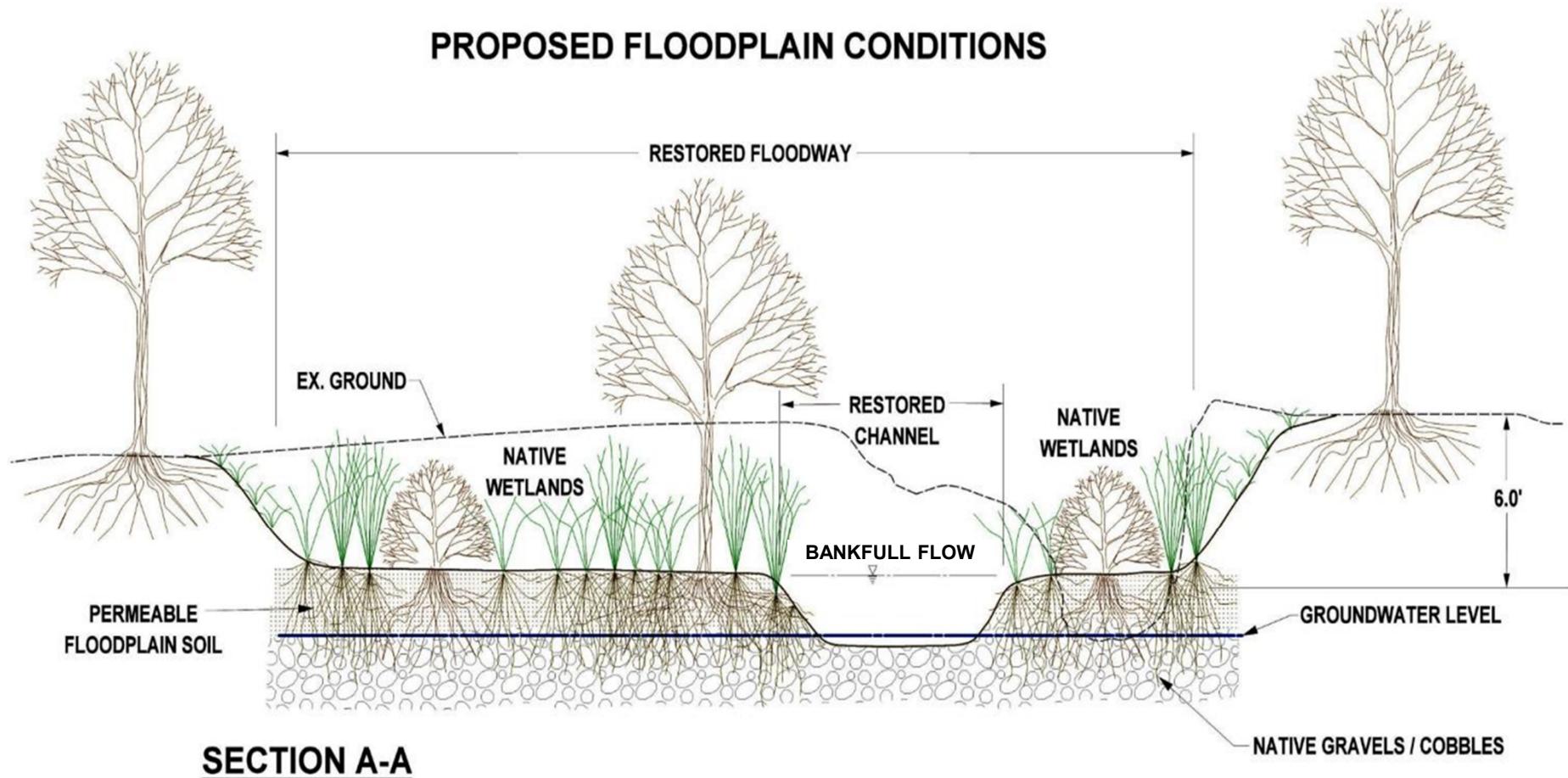
johnson, mirmiran & thompson, inc.

viridian landscape studio

STREAM RESTORATION

DESIGN APPROACH

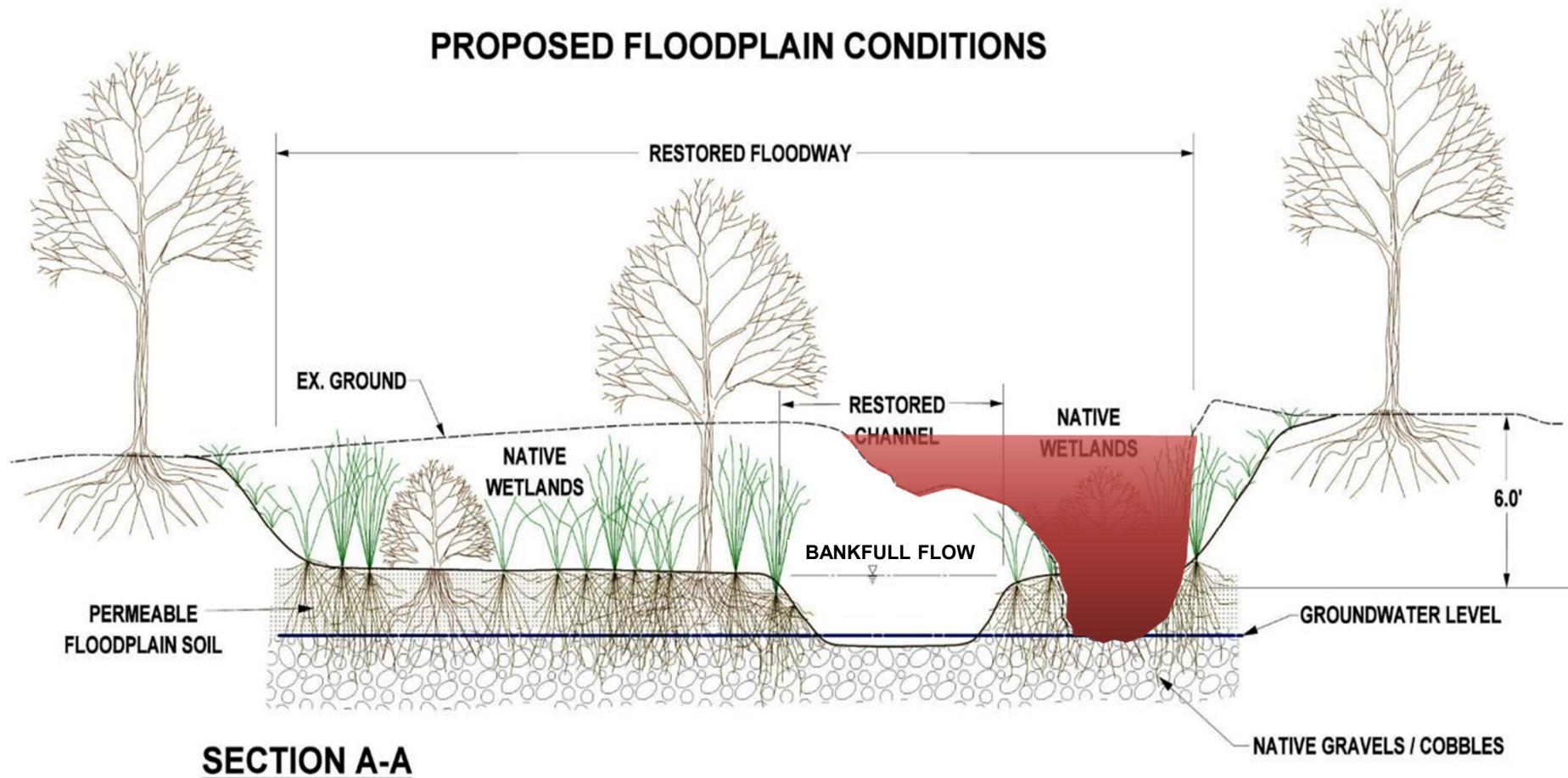
PROPOSED FLOODPLAIN CONDITIONS



STREAM RESTORATION

DESIGN APPROACH

PROPOSED FLOODPLAIN CONDITIONS



SECTION A-A

larson design group

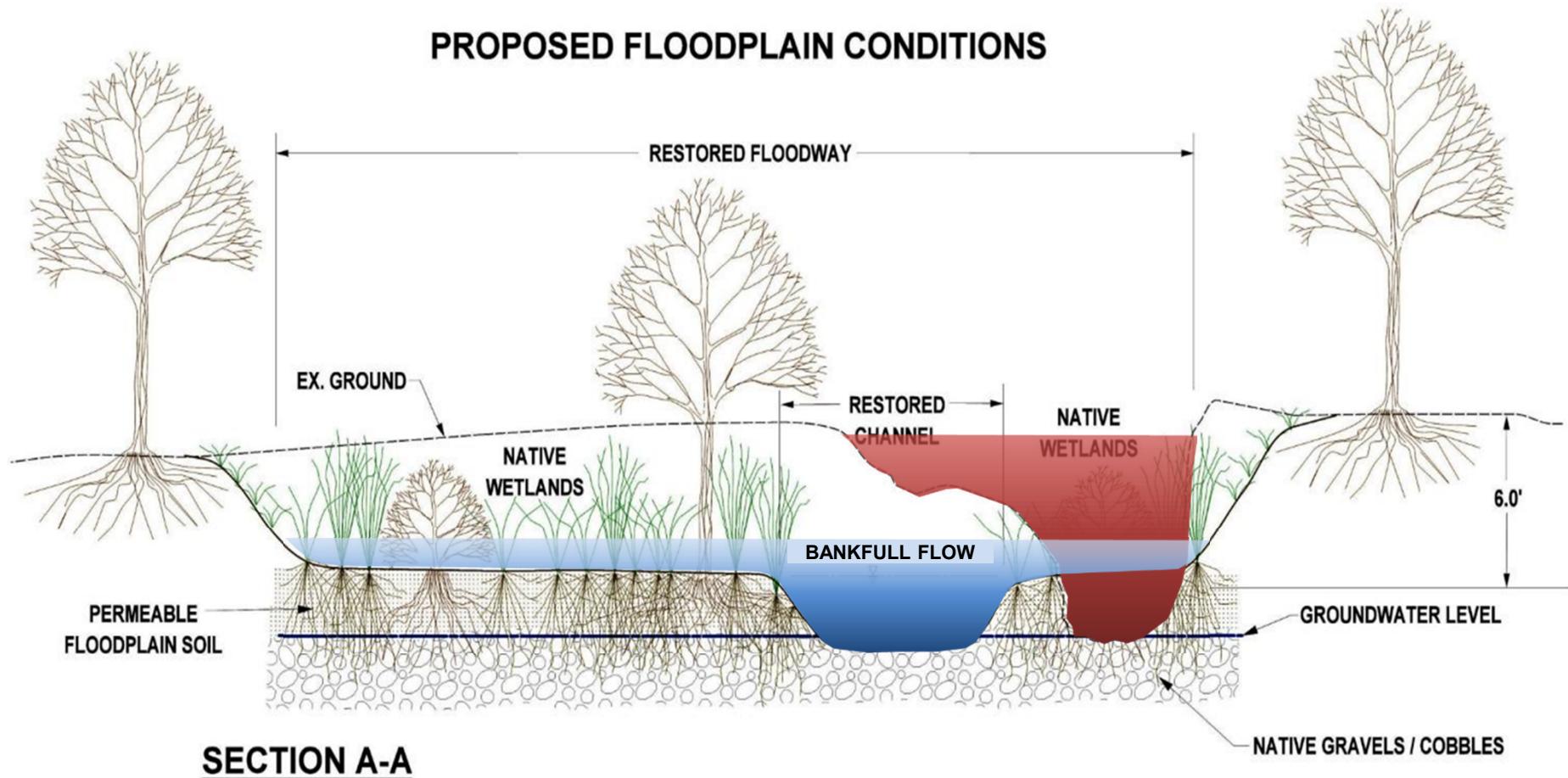
johnson, mirmiran & thompson, inc.

viridian landscape studio

STREAM RESTORATION

DESIGN APPROACH

PROPOSED FLOODPLAIN CONDITIONS



SECTION A-A

larson design group

johnson, mirmiran & thompson, inc.

viridian landscape studio

STREAM RESTORATION

FLOODPLAIN RESTORATION EXAMPLE - BEFORE



larson design group

johnson, mirmiran & thompson, inc.

viridian landscape studio

STREAM RESTORATION

FLOODPLAIN RESTORATION EXAMPLE - AFTER



larson design group

johnson, mirmiran & thompson, inc.

viridian landscape studio

STREAM RESTORATION

FLOODPLAIN RESTORATION EXAMPLE - AFTER



larson design group

johnson, mirmiran & thompson, inc.

viridian landscape studio

STREAM RESTORATION

FLOODPLAIN RESTORATION EXAMPLE - AFTER



larson design group

johnson, mirmiran & thompson, inc.

viridian landscape studio

STREAM RESTORATION

FLOODPLAIN RESTORATION EXAMPLE

Stacked Benefits



Flood Reduction



Wetland Creation



Flood Attenuation



Wildlife Habitat



Groundwater Recharge



Aesthetic Enhancement



Water Quality



Invasive Species Removal



Recreation



Education



Reduced Maintenance



STREAM RESTORATION

STEP POOL EXAMPLE - BEFORE



larson design group

johnson, mirmiran & thompson, inc.

viridian landscape studio

STREAM RESTORATION

STEP POOL EXAMPLE – AFTER



larson design group

johnson, mirmiran & thompson, inc.

Source: Wildland Hydrology

viridian landscape studio

CONCEPT

SITE PLAN: 3RD STREET PEDESTRIAN BRIDGE



larson design group

johnson, mirmiran & thompson, inc.

LEGEND

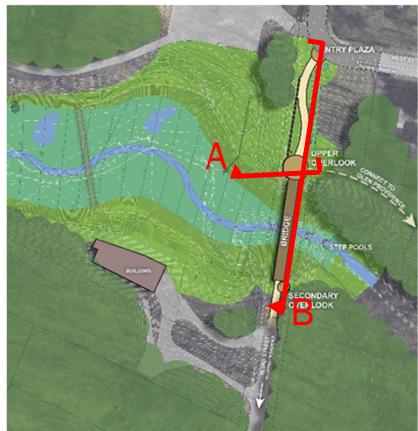
	EXISTING TREE CANOPY ESTIMATED TO REMAIN
	REVEGETATED AREA TREES, SHRUBS, GROUNDCOVER
	WETLAND RESTORED FLOODPLAIN
	STREAM RESTORED STREAM CHANNEL
	RAIN GARDEN
	BRIDGE
	PATH
	GATHERING SPACE



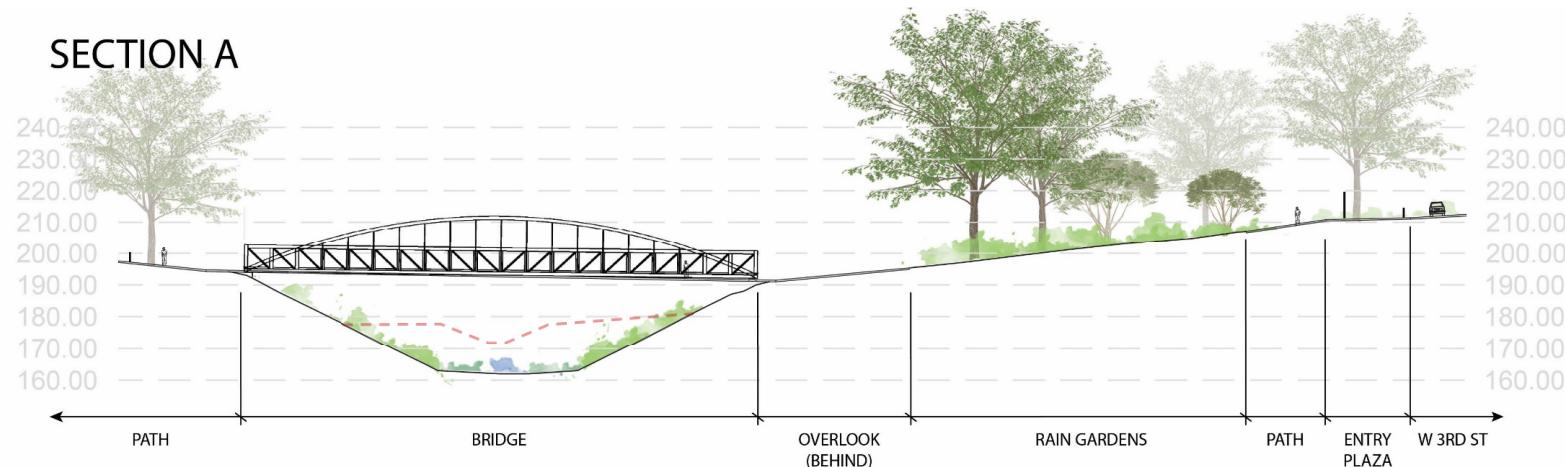
viridian landscape studio

CONCEPT

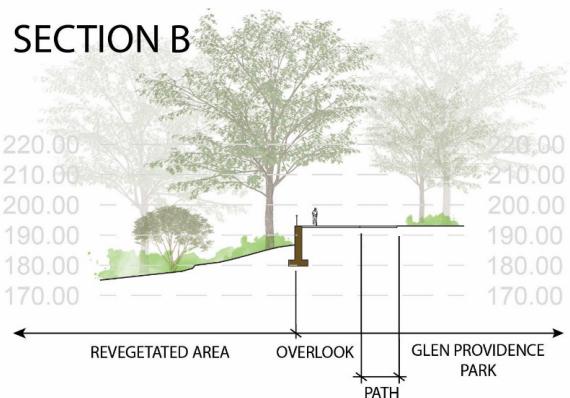
SITE PLAN: 3RD STREET PEDESTRIAN BRIDGE



SECTION A



SECTION B



PROJECT TIMELINE AND COSTS

ESTIMATED COSTS AND FUNDING

- Estimated cost for construction and design - \$5.1M
 - PA Transportation Improvement Plan Grant - \$4.1M (secured)
 - RACP Grant - \$650,000 (secured)

TIMELINE

- 12 to 18 months - Complete Preliminary Design
- 12 months - Complete Final Design and Permitting
- Estimate Fall 2027 Project Letting
- 12 to 18 months – Construction (Spring 2028 to Fall 2029)

HEARING FROM YOU

- For the project to be a success it will?

HEARING FROM YOU

- What are the most important project opportunities?

- habitat creation?
- great place to see and be seen?
- a bridge!
- a great bike connection?
- lighted? Is it simple? funky? only for special occasions?

HEARING FROM YOU

- What are the most important project opportunities?
 - habitat creation?
 - great place to see and be seen?
 - a bridge!
 - a great bike connection?
 - lighted? Is it simple? funky? only for special occasions?
- What are your favorite trails? What would you like to see from them here?

HEARING FROM YOU

- What are the most important project opportunities?
 - habitat creation?
 - great place to see and be seen?
 - a bridge!
 - a great bike connection?
 - lighted? Is it simple? funky? only for special occasions?
- What are your favorite trails? What would you like to see from them here?
- What are your concerns?
 - environmental?
 - bike access?

PRECEDENT IMAGES

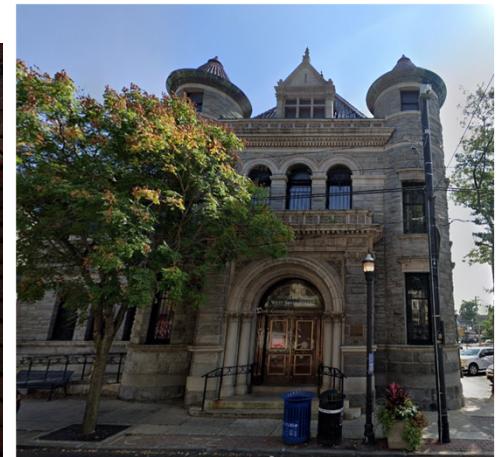
MEDIA, PA



Sandy Bank Burial Ground



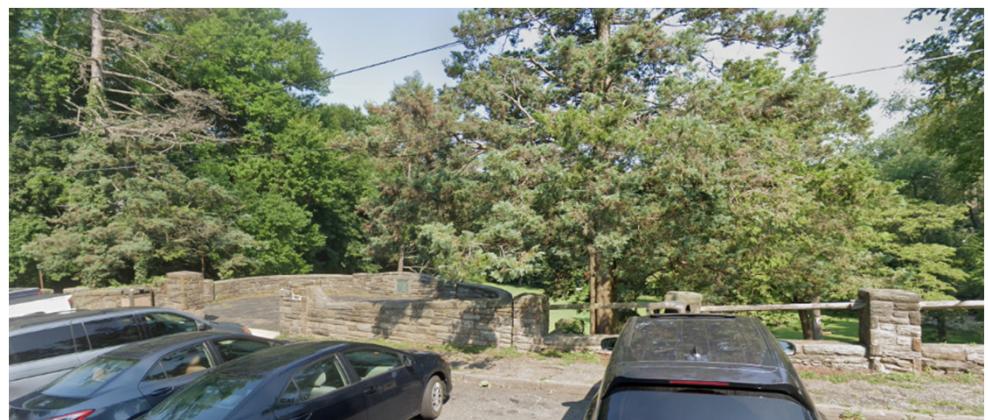
Sidewalk mosaic



114 East State Street



Glen Providence Park
larson design group



Glen Providence Park
johnson, mirmiran & thompson, inc.

viridian landscape studio

HEARING FROM YOU

- What is the look/feel of the 3rd Street Bridge project?



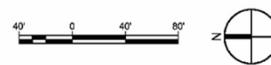
- GATEWAY/ARRIVAL
- OVERLOOK
- BRIDGE

WHAT DID WE MISS?



larson design group

johnson, mirmiran & thompson, inc.



viridian landscape studio

NEXT STEPS

- Determine Environmental Footprint
- Hold Environmental Scoping field view with PennDOT staff
- Progress Preliminary Engineering Concept
 - Complete required preliminary engineering submissions to PennDOT.
- Hold a Pre-Application meeting with PA DEP and the Delaware County Conservation District.
 - Public Meeting #2
- Complete Environmental Document and Approval.
- After Environmental and Design Approval – Final Design, Plan and Specifications
- Build the 3rd Street Pedestrian Bridge project
- Make Memories using the 3rd Street Pedestrian Bridge