



Reducing Flooding in Livingston Manor

Willowemoc Creek Floodplain Restoration

Project Partners:

Town of Rockland (Board, School)

Private Landowner

Trout Unlimited

Redfish Engineering

SLR Engineering (sub-NYSDEC)

NYS Department of Environmental Conservation

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Project Vision

To secure a flood-resilient future for Livingston Manor by restoring the natural synergy between Willowemoc Creek and its historic floodplain. Through science-based engineering and strategic community partnerships, we will safeguard critical infrastructure, modernize school athletic facilities, and revitalize the local watershed, ensuring a vibrant downtown and a thriving world-class fishing economy for generations to come.

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Project Goals

- Restore Willowemoc Creek
- Reduce Flooding
- Revitalize Livingston Manor and School Athletic Fields

This project will drastically reduce flood risks in downtown Livingston Manor and the local school district by relocating vulnerable athletic fields and restoring 11 acres of natural floodplain. By removing existing barriers, the initiative aims to nearly eliminate 50-year flood events on Main Street and ensure new school facilities remain protected even during 100-year storms. Ultimately, the restoration provides a nature-based solution that secures both community infrastructure and the local economy from extreme weather.



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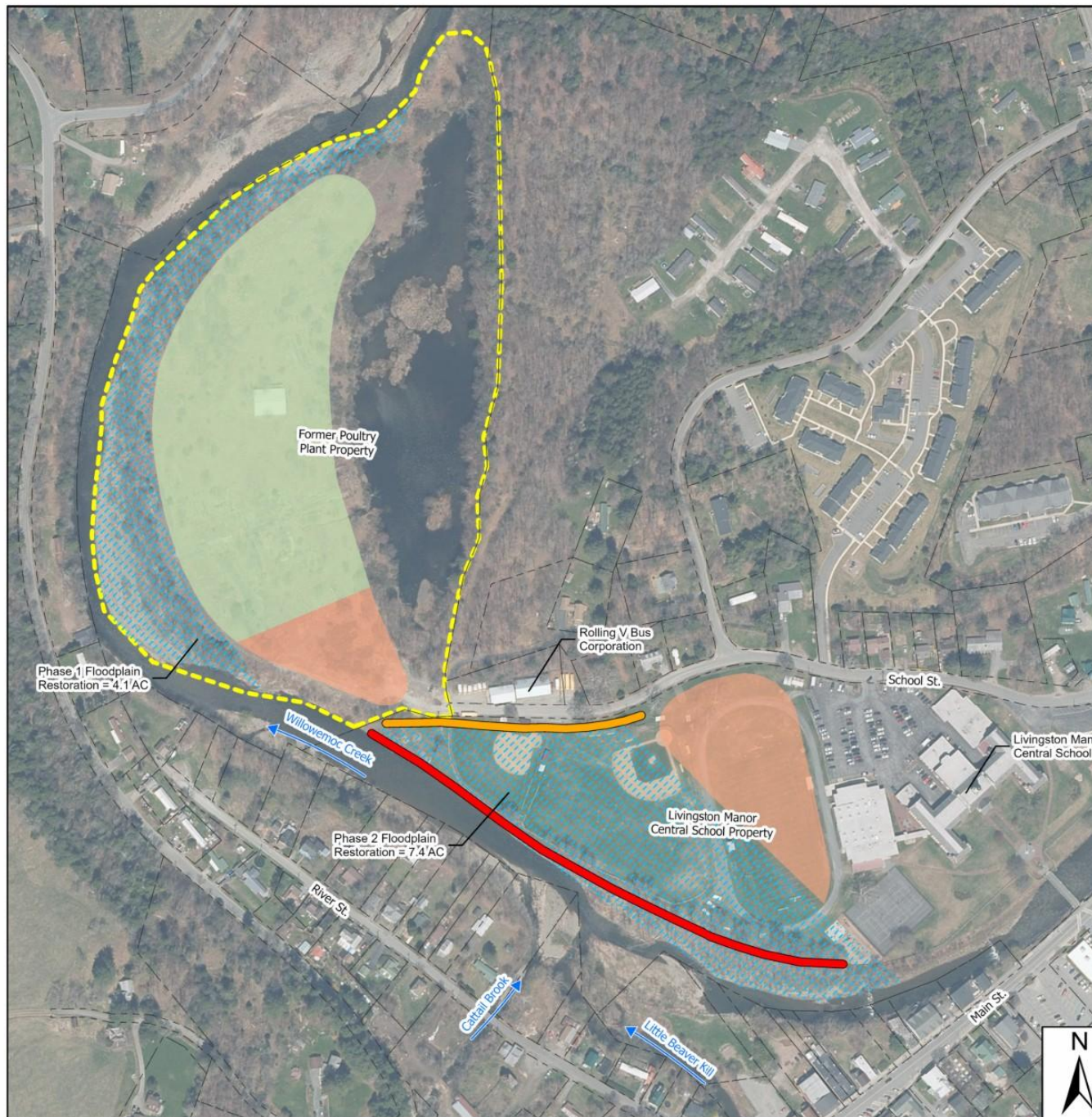


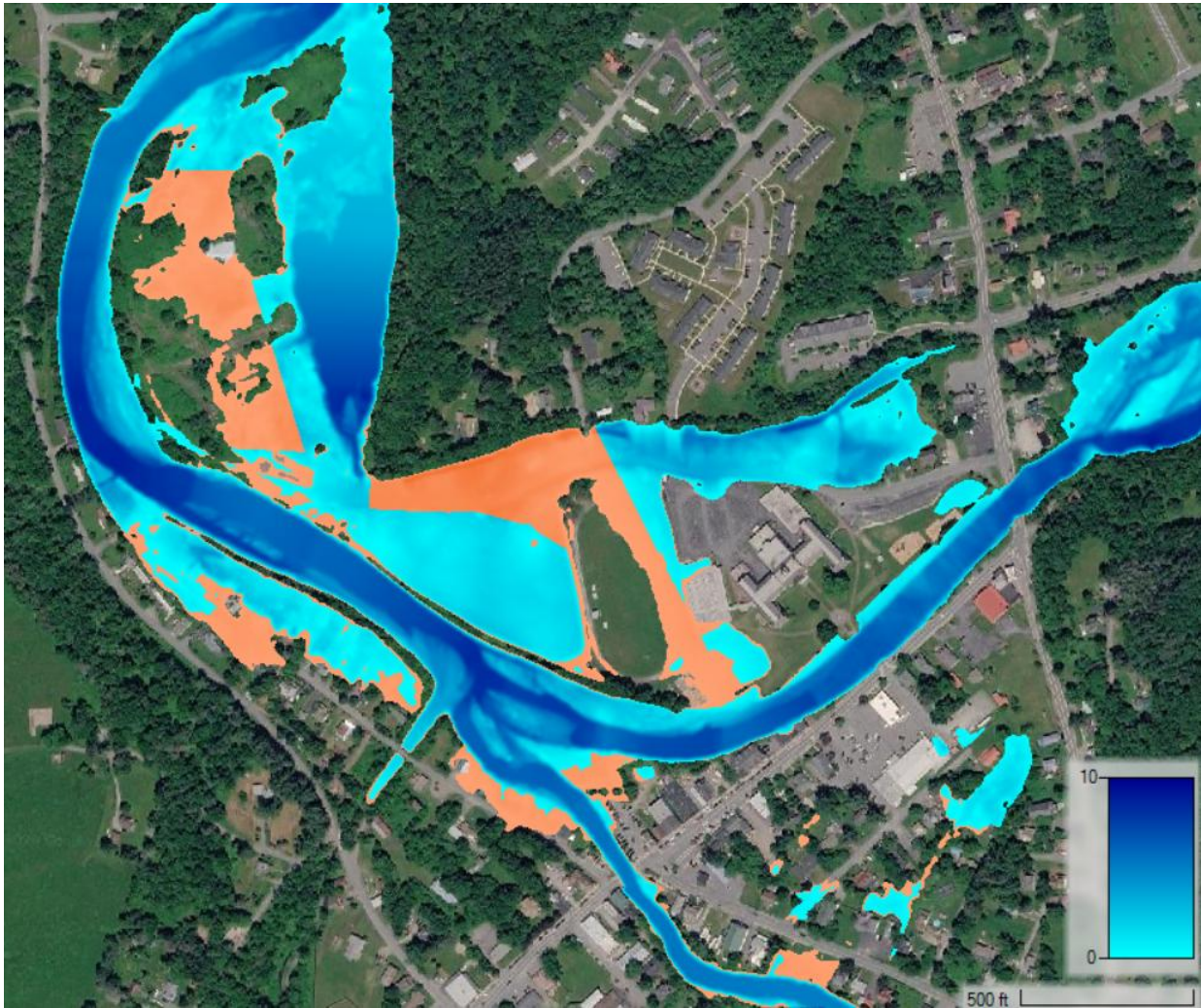
Existing Conditions

- Confluence of Willowemoc Creek, Little Beaver Kill & Cattail Brook
- Well-documented history of severe and recurring flood damage
- Existing berms protect school and downtown against minor flooding but frequently overtop
- During high flows, berms constrain flow and cause flood waters to back up and increase water levels

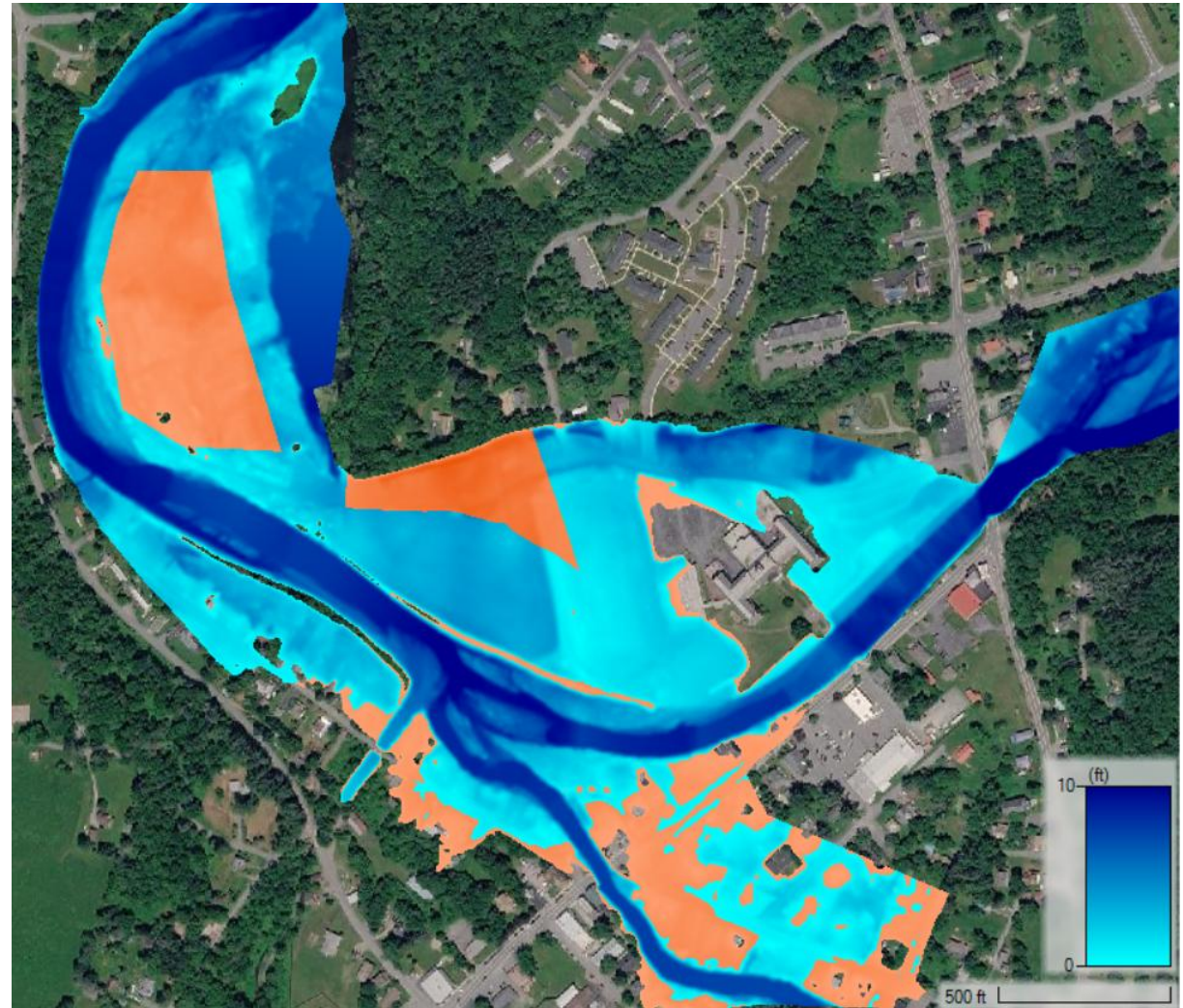
Concept Design

- Remove existing berm
- Relocate athletic fields downstream, removed from floodplain
- Restore and reconnect 11 acres of floodplain
- New setback berm located along School Street
- Split into 2 phases





1-in-10 Annual Chance Flood



1-in-50 Annual Chance Flood



Timeline

Phase 1 - 3 Years May 2026 - May 2029

Phase 2 - 3 Years May 2028-2031

Year 1 (2026 - 2027) - Property Purchase; Project planning and final design development and permitting for floodplain restoration and conceptual planning for site design of athletic field relocation.

Year 2 (2027-2028) - Floodplain restoration construction and Phase 2 Fundraising

Year 3 (2028-2029) - Floodplain plantings and monitoring, Phase 2 Final design and permitting athletic field relocation

Year 4 (2029-2030)- Athletic field relocation and construction

Year 5 (2030-2031) - Final project deliverables and monitoring

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Next Steps

- Finalize contract with NYSDEC
- Finalize property sale and environmental reviews
- RFP for athletic field Landscape Design & Costs
- Final designs and permitting floodplain restoration
- Fundraising for Phase 2 final designs and implementation



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