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Resilient Cove River

October 2, 2026

This project is made possible through a grant from the National Fish and Wildlife Foundation National Coastal Resilience Fund (through the November 2022 Grant Slate of awardees), with support from NOAA.

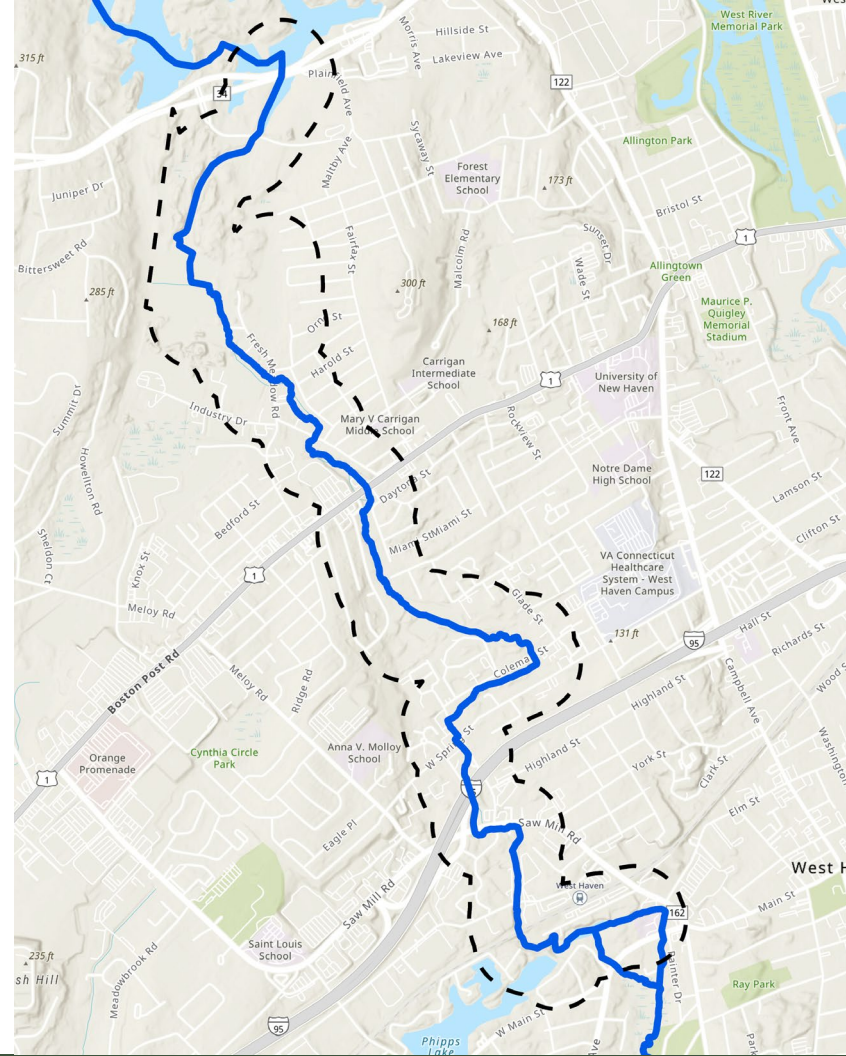
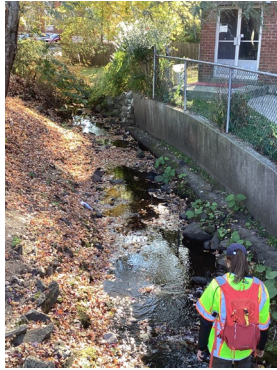




Project Overview

Project Area

Challenge: Development has encroached on the Cove River, altering natural river processes, damaging habitats, and increasing flood risk.





Project Goals



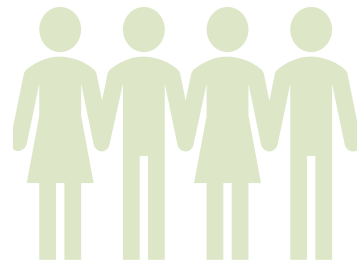
Reduce Flood
Impacts



Restore Ecosystems



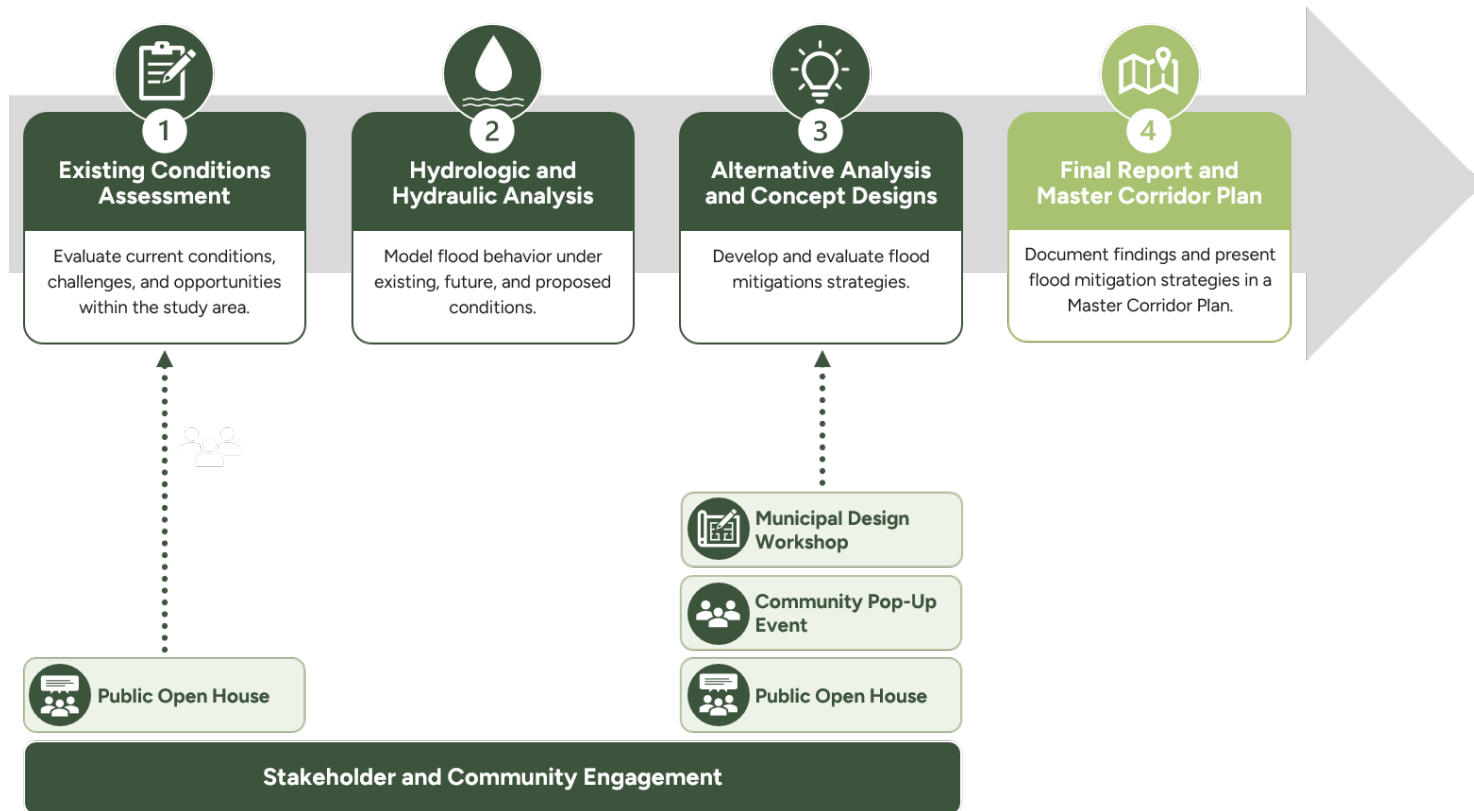
Improve Public
Access



Support Vulnerable
Communities



Project Overview





Identifying Flood Mitigation Areas



How were Flood Mitigation Areas selected?

30+ flood mitigation areas were identified and refined based on:

Stakeholder and municipal coordination

Hydrologic and Hydraulic Modeling

Existing Conditions Assessment

Site-Specific Feasibility Considerations

Solutions were developed for each Mitigation Area and evaluated based on performance criteria:



Flood Reduction



Community Benefits



Ecological Benefits

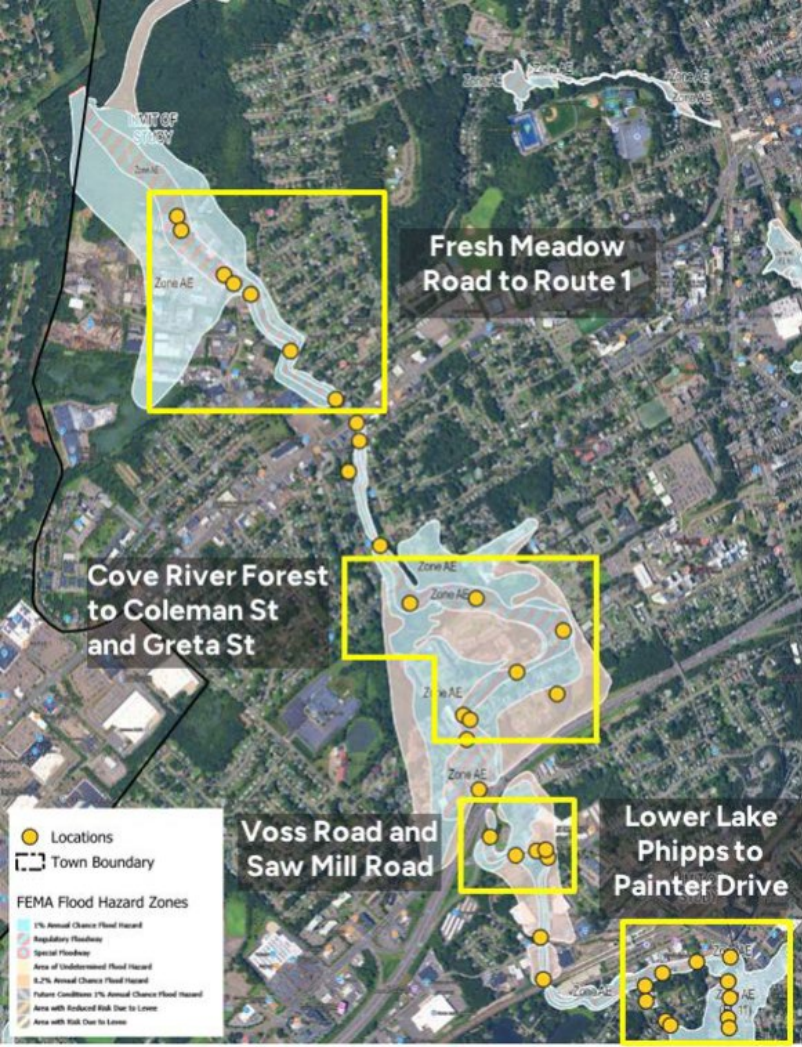


Feasibility



Flood Mitigation Areas

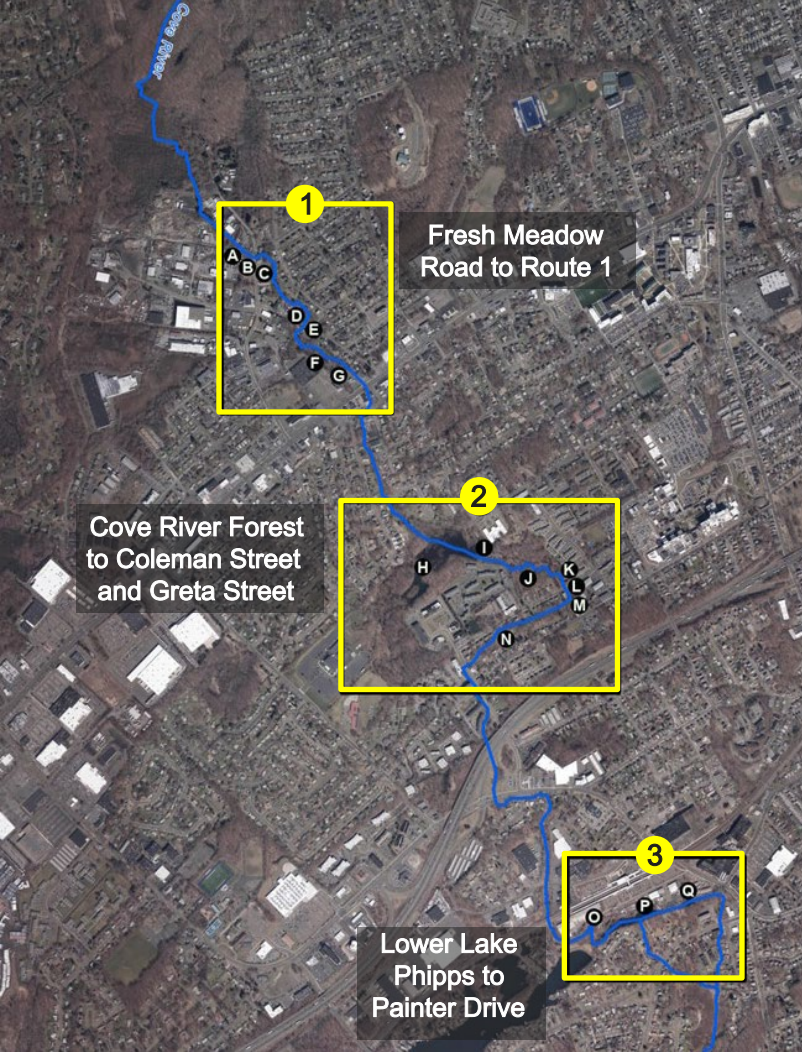
1. Fresh Meadow Road to Route 1
2. Cove River Forest (Terrace Ave and Vertical Church basins) to Coleman Street and Greta Street
3. Voss Road and Saw Mill Road
4. Lower Lake Phipps to Painter Drive





Priority Flood Mitigation Areas

1. Fresh Meadow Road to Route 1
2. Cove River Forest (Terrace Ave and Vertical Church basins) to Coleman Street and Greta Street
3. Lower Lake Phipps to Painter Drive



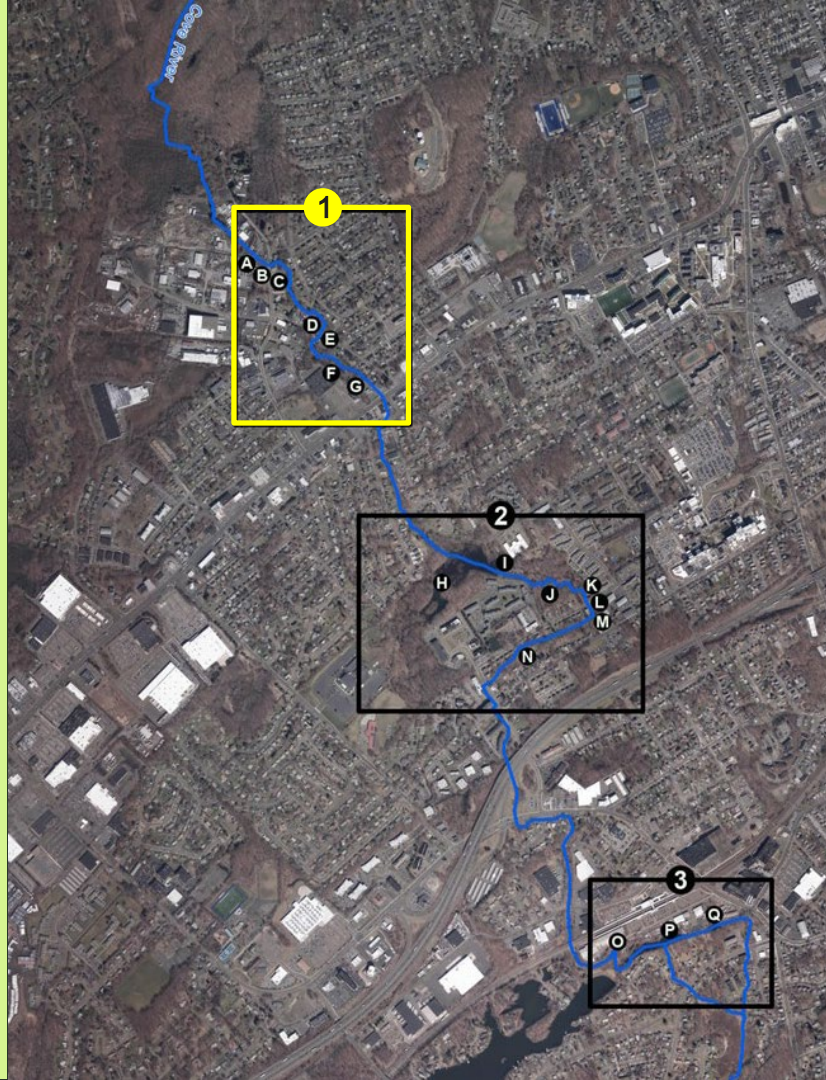


Proposed Strategies for Priority Flood Mitigation Areas

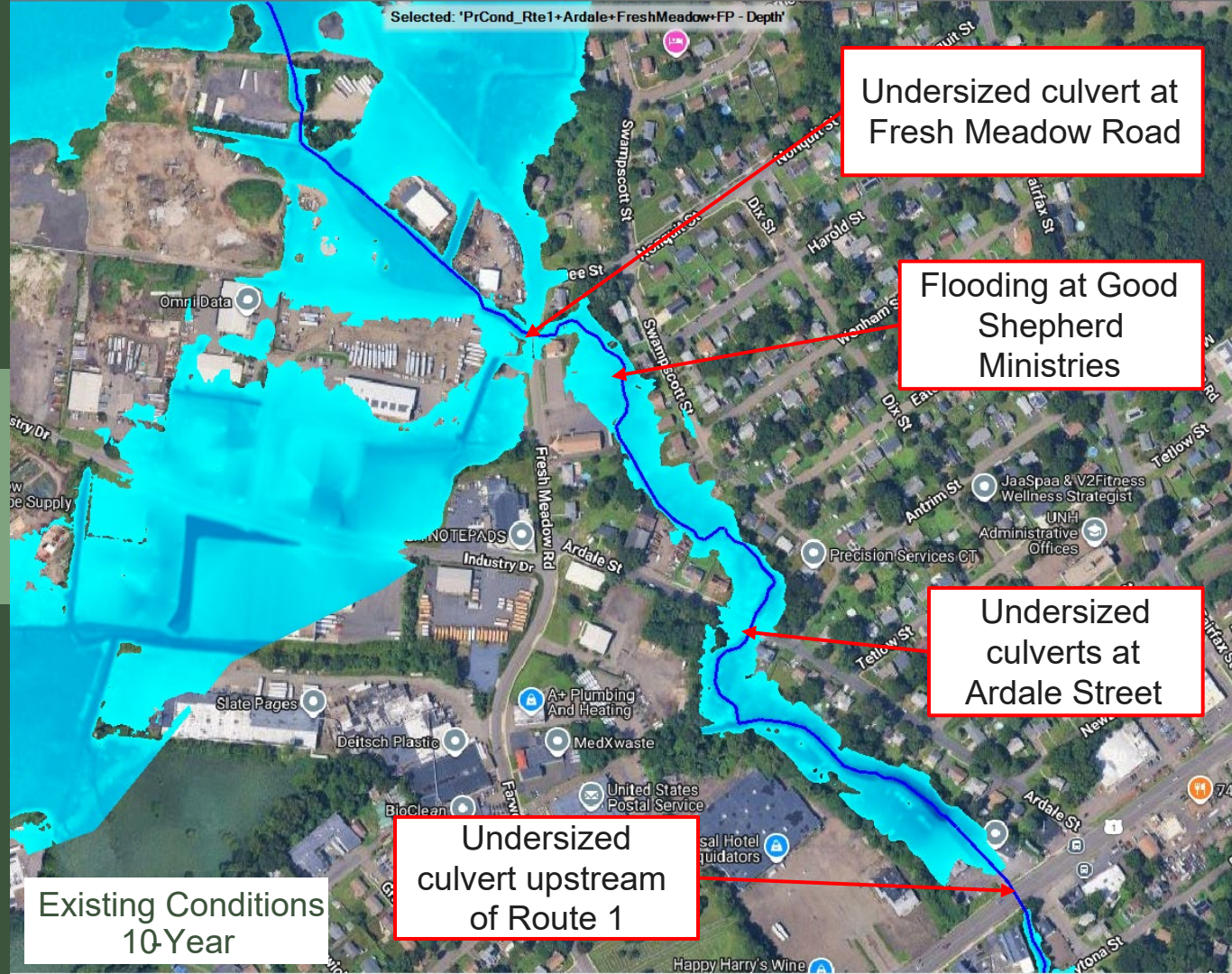


Priority Flood Mitigation Area 1

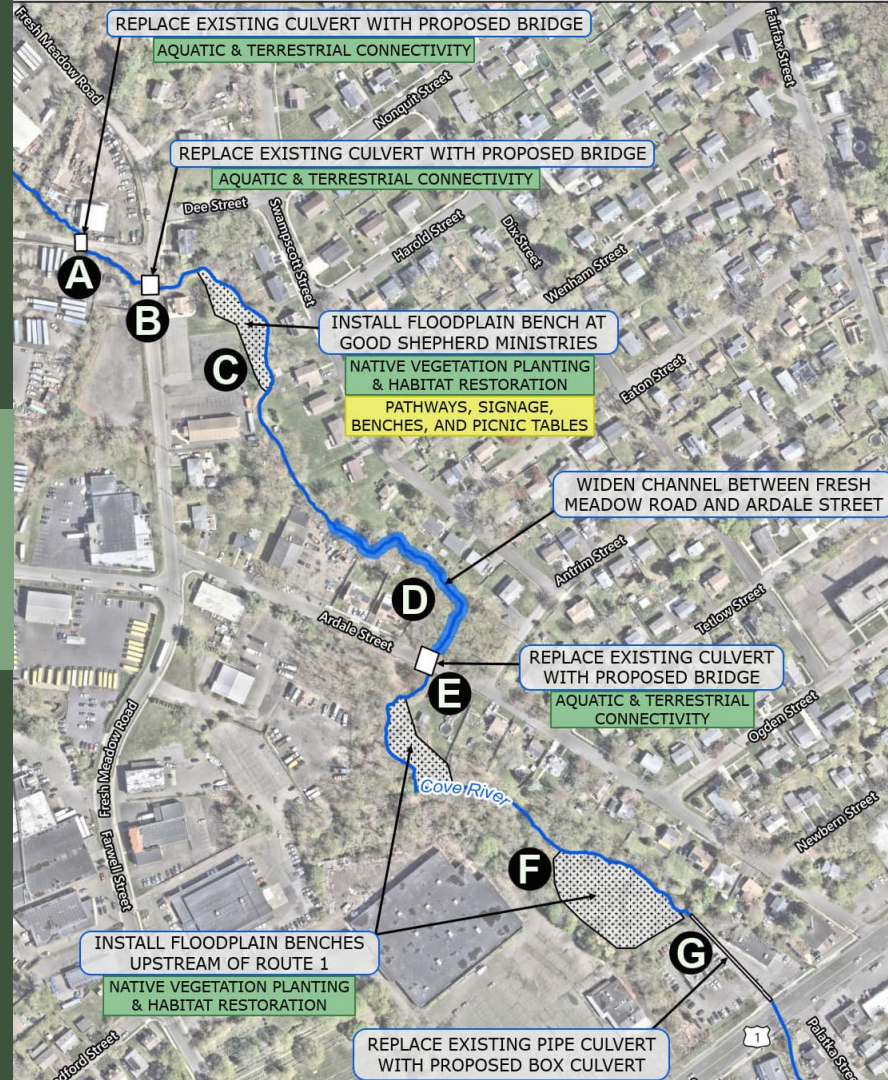
Fresh Meadow Road to Route 1



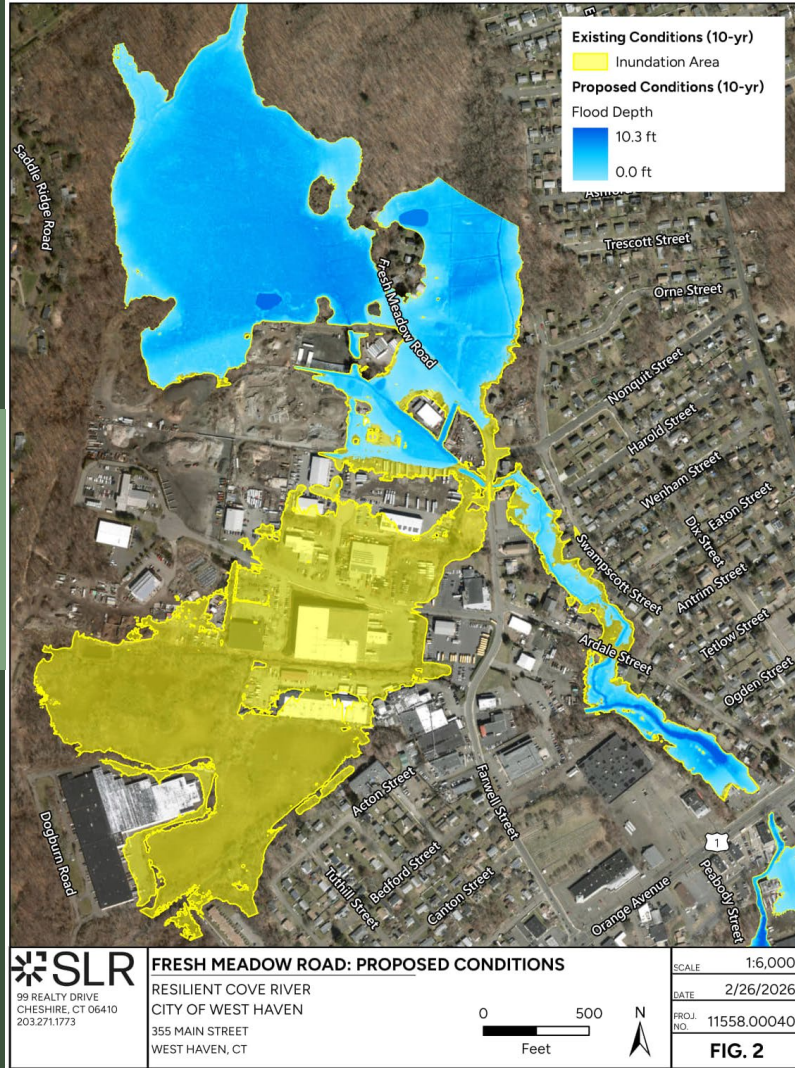
Challenges



Proposed Mitigation Measures



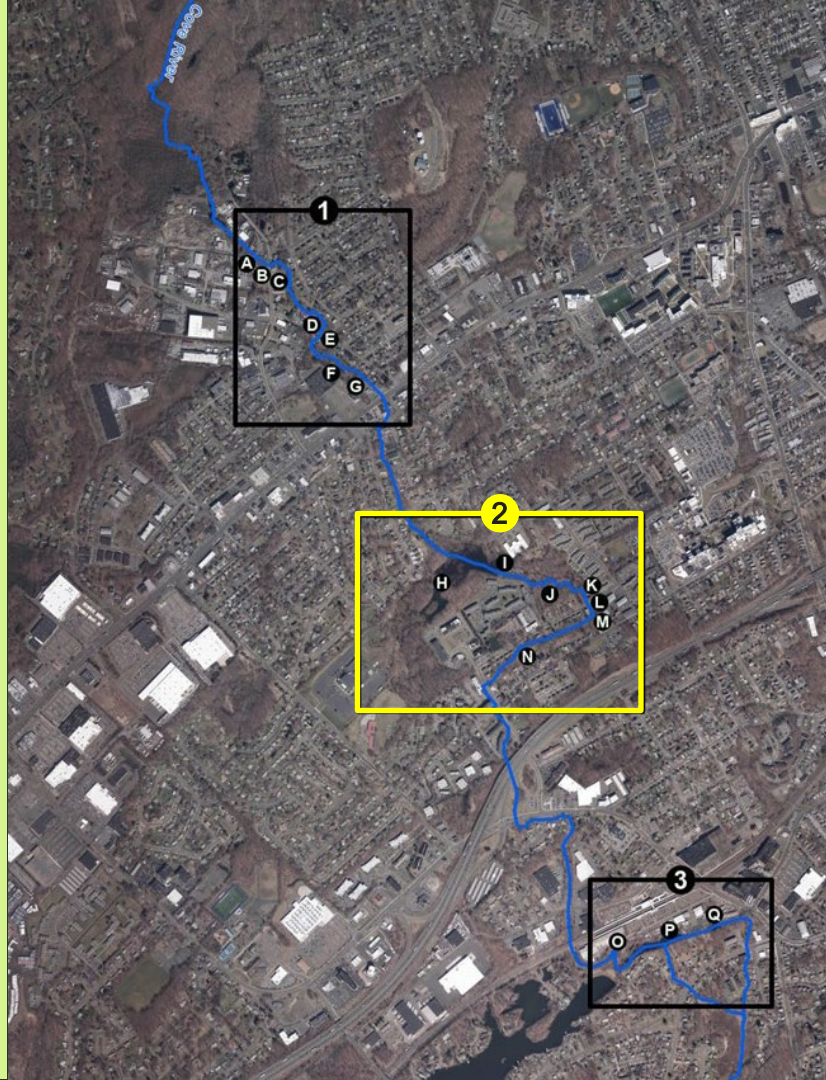
Flood Reduction Benefits



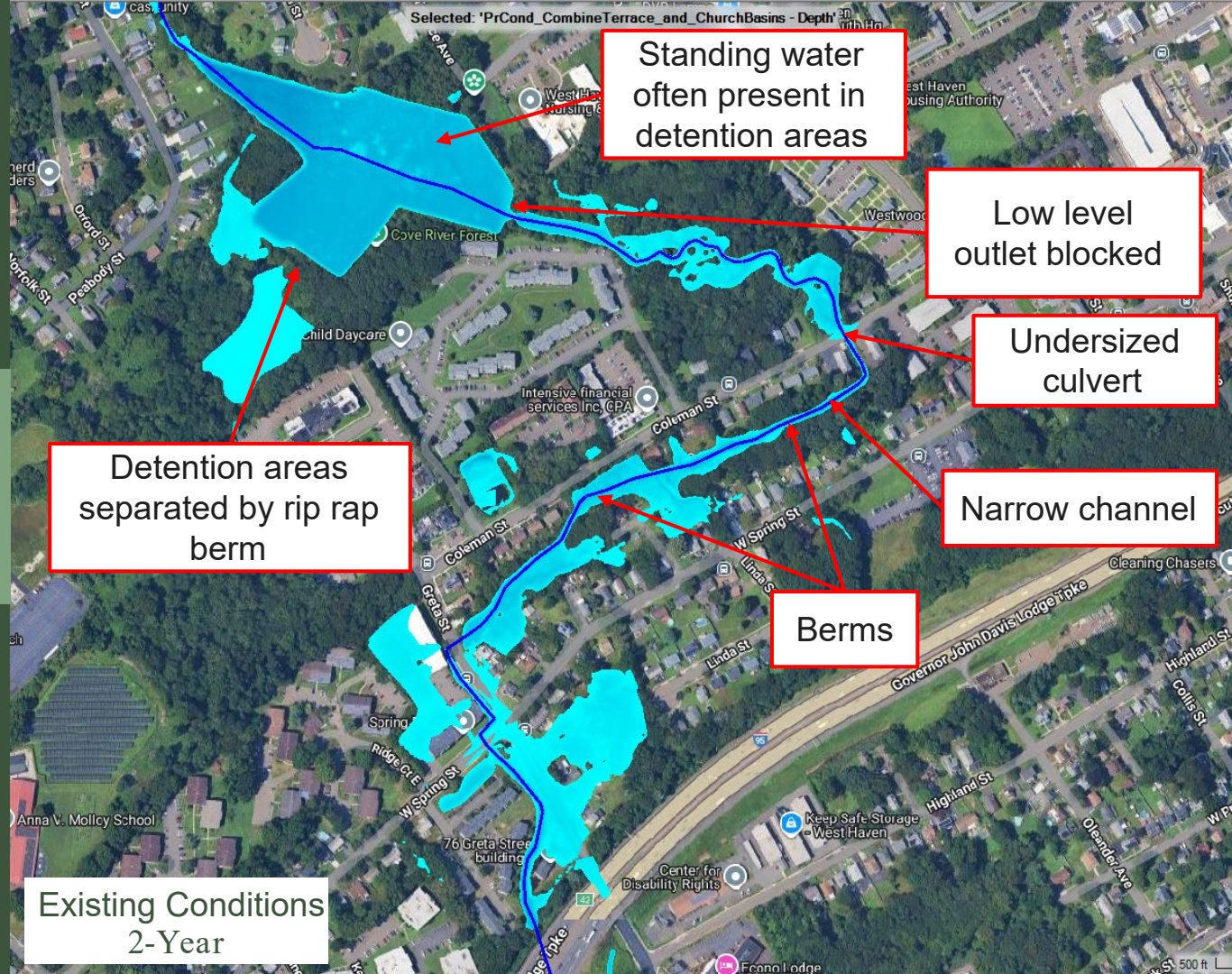


Priority Flood Mitigation Area 2

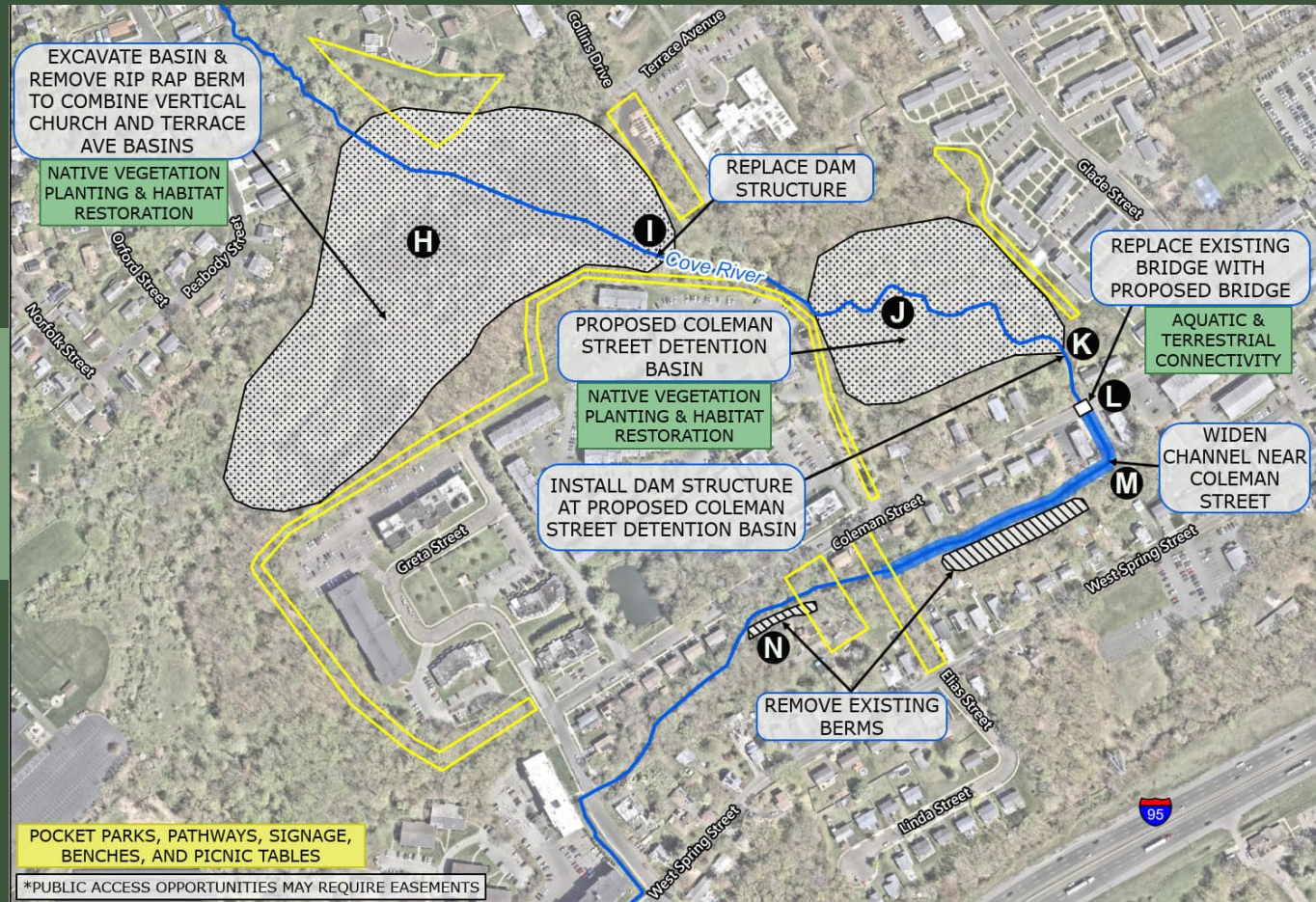
Cove River Forest to Coleman Street and Greta Street



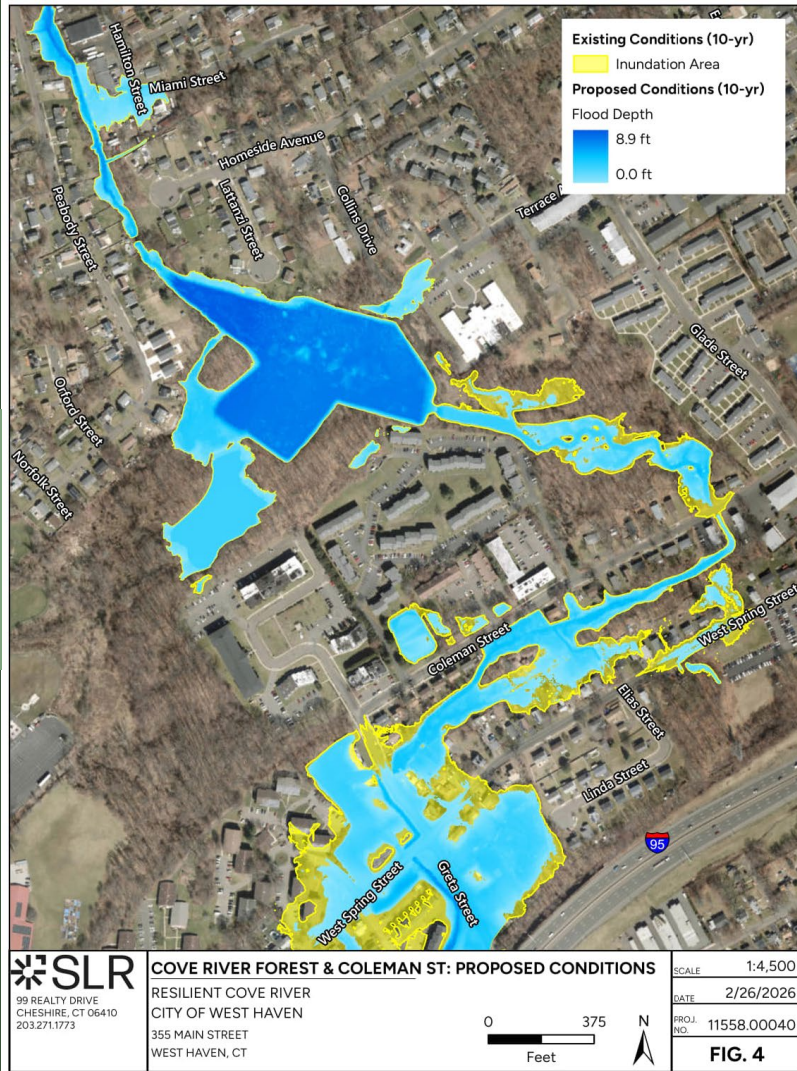
Challenges



Proposed Mitigation Measures



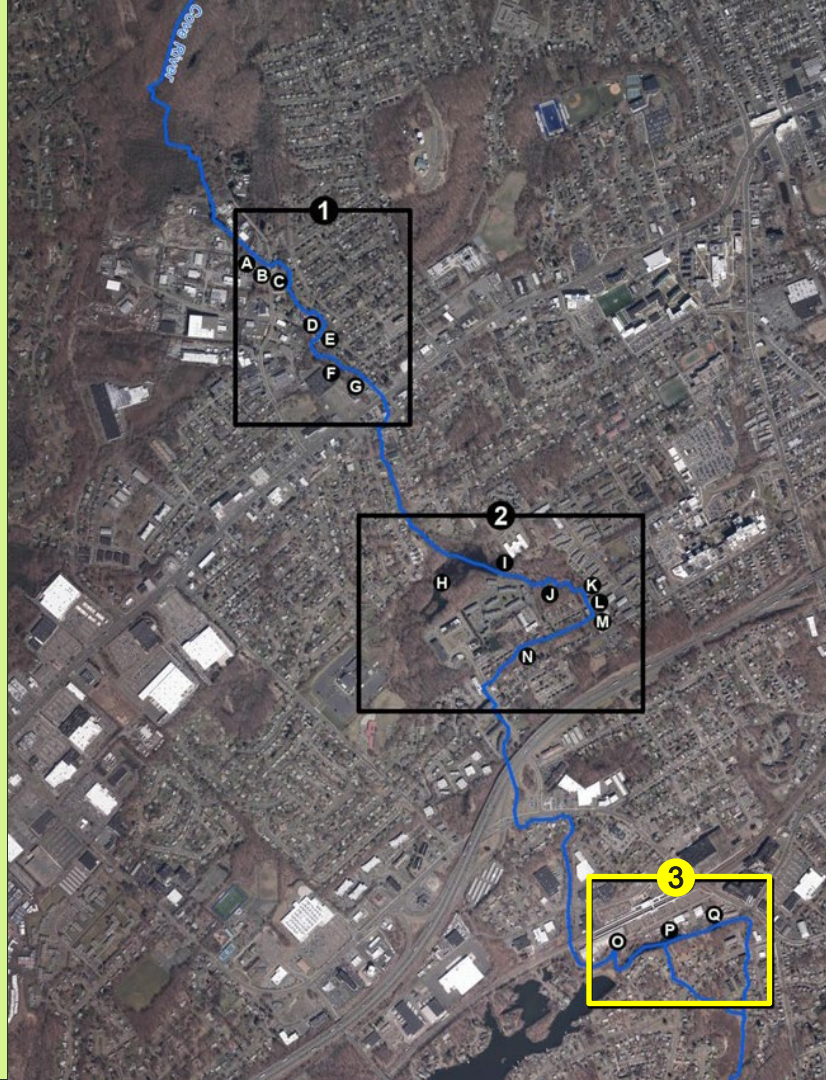
Flood Reduction Benefits



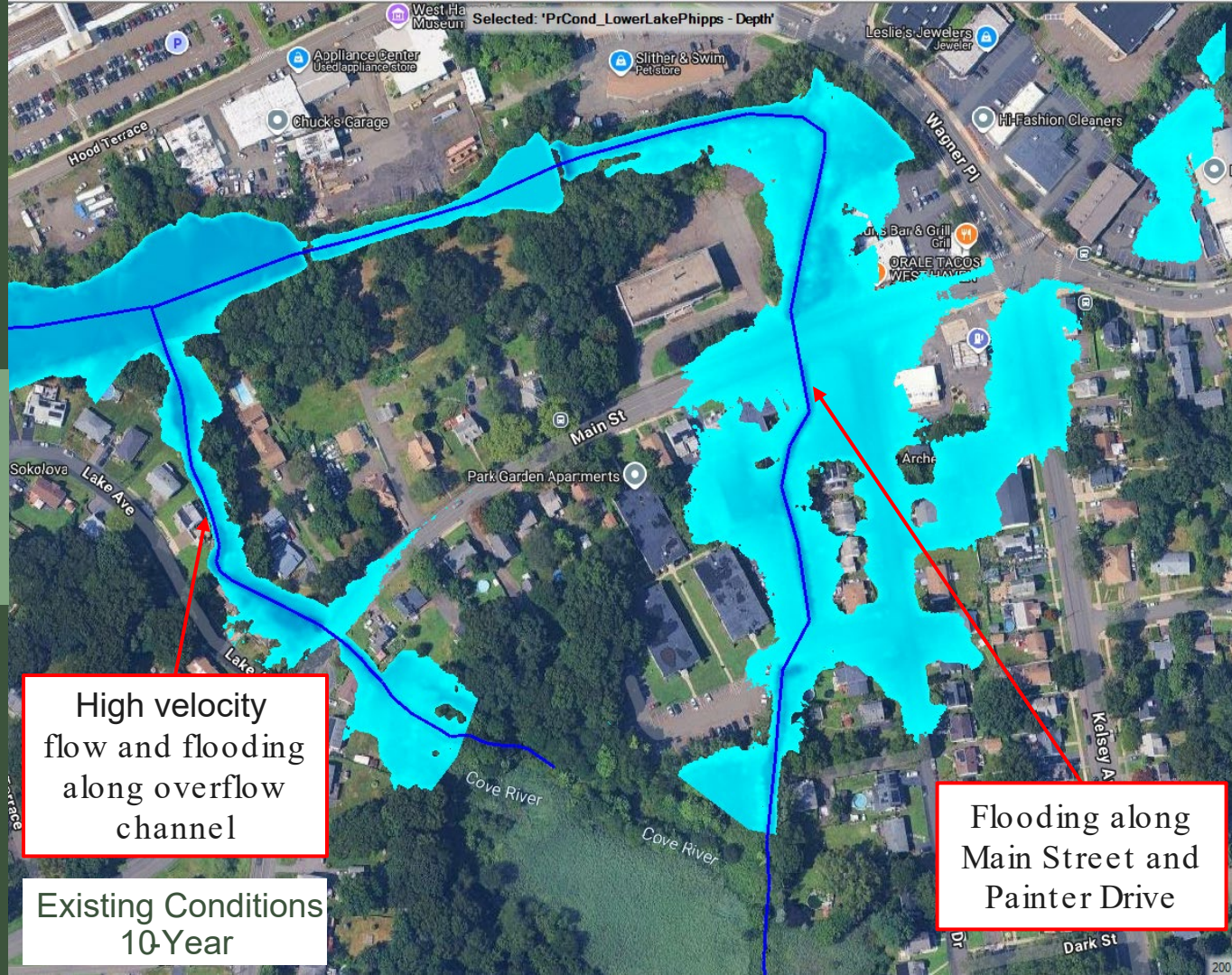


Priority Flood Mitigation Area 3

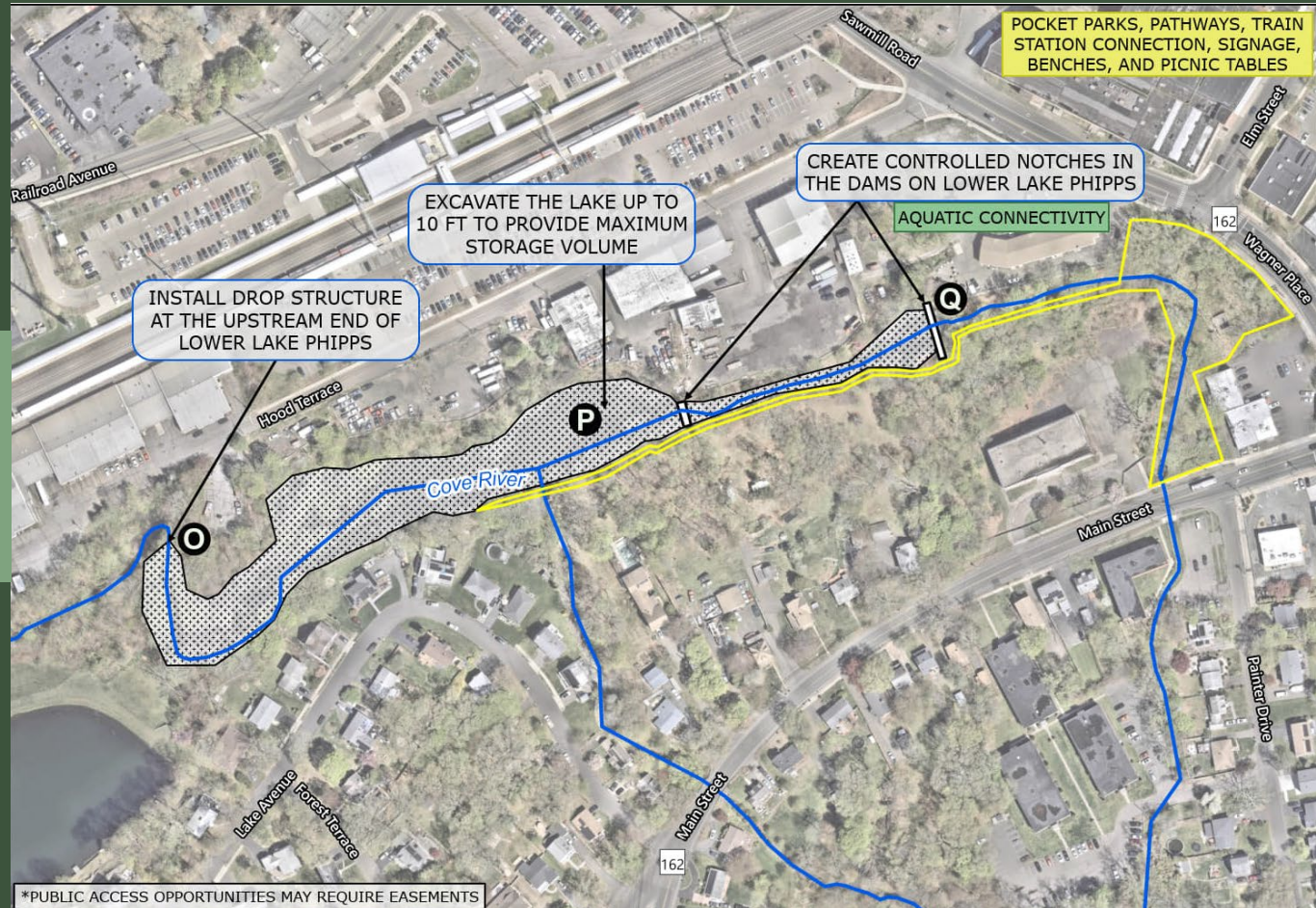
Lower Lake Phipps to Painter Drive



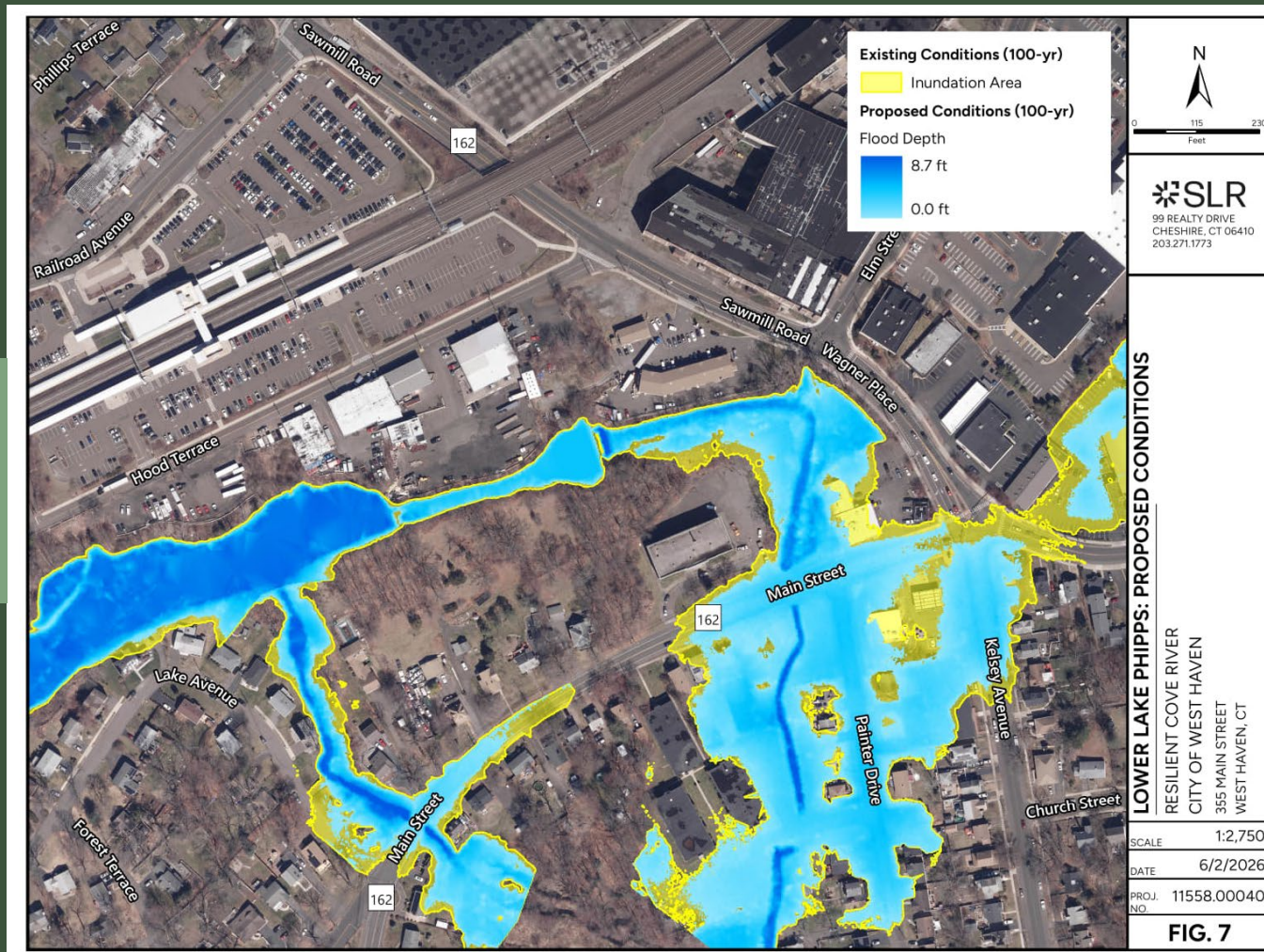
Challenges



Proposed Mitigation Measures



Flood Reduction Benefits





Thank You!



Making Sustainability Happen

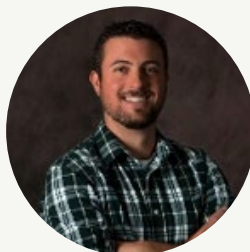
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