

Mill Pond Rehabilitation Project



Mill Pond Rehabilitation

Project Goals

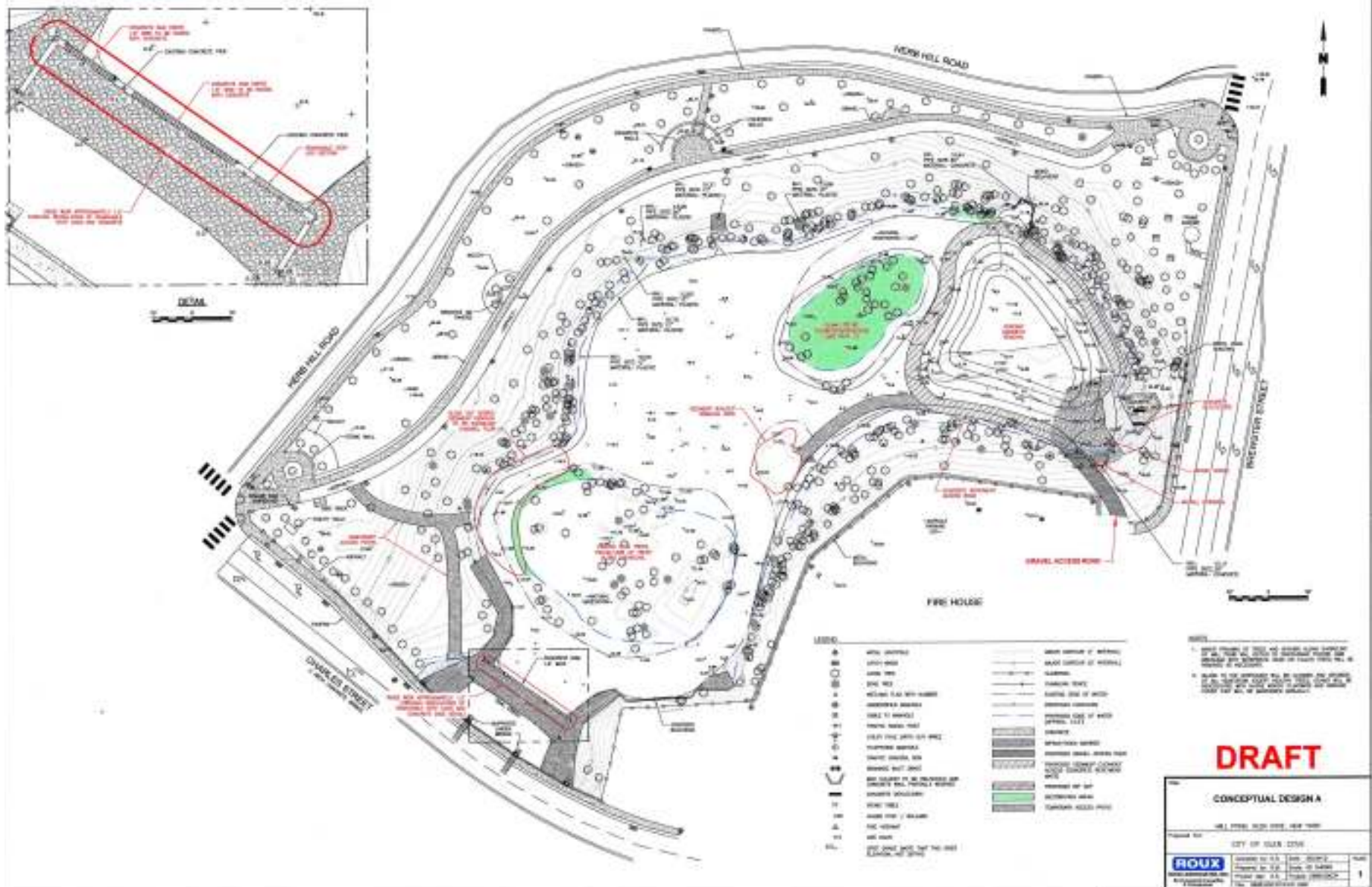
- * Improve influent flow
 - * Regrade to direct water to forebay
 - * Install flow deflectors at inlet apron
 - * Install rip rap in front of apron to reduce erosion
- * Excavate and re-grade sediment forebay to promote sedimentation
 - * Sediment removal every 5 to 7 years
- * Provide permanent maintenance access for sediment removal
 - * Install concrete revetment

Mill Pond Rehabilitation

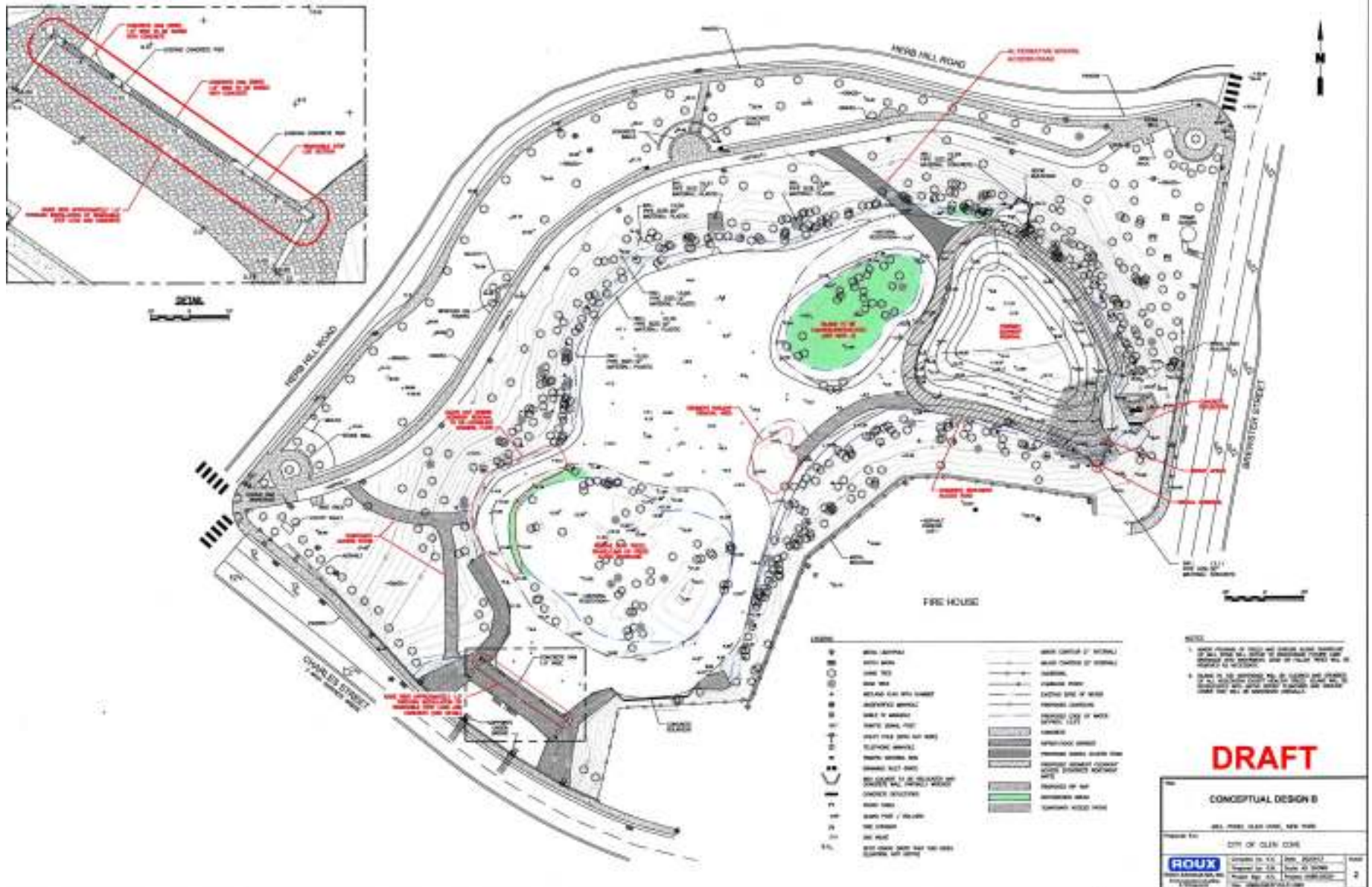
Project Goals (cont.)

- * Clear northeast island of vines to provide an increase in species diversity and create a more aesthetically pleasing view of Mill Pond
- * Pruning of trees along shoreline and removal of dead trees
- * Re-establish Mill Pond water levels
 - * Install stop log structure and raise concrete weir at pond effluent
 - * Improve detention
 - * Improve water quality treatment
- * Installation of floatable debris collection devices

Conceptual Design A



Conceptual Design B



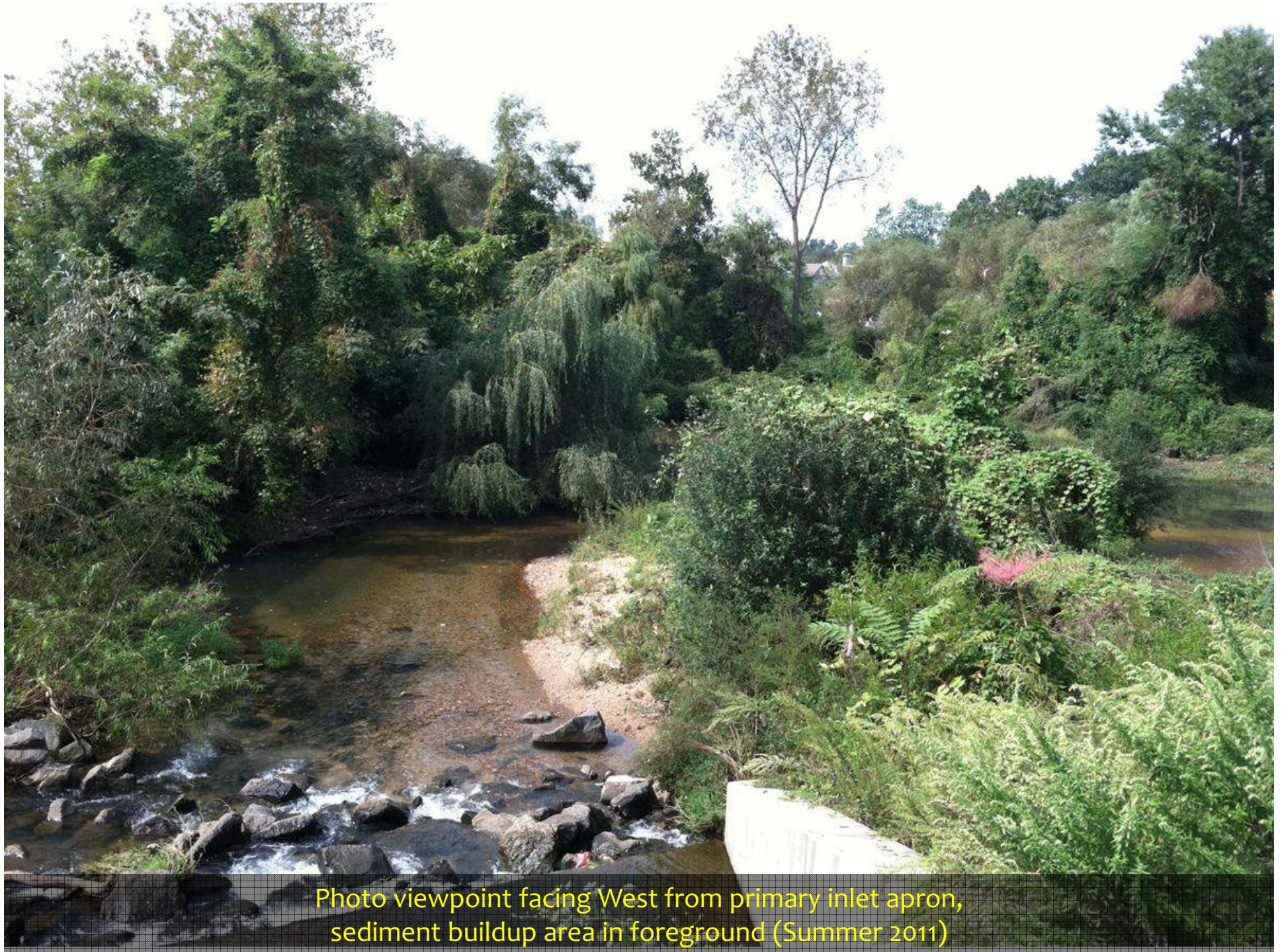
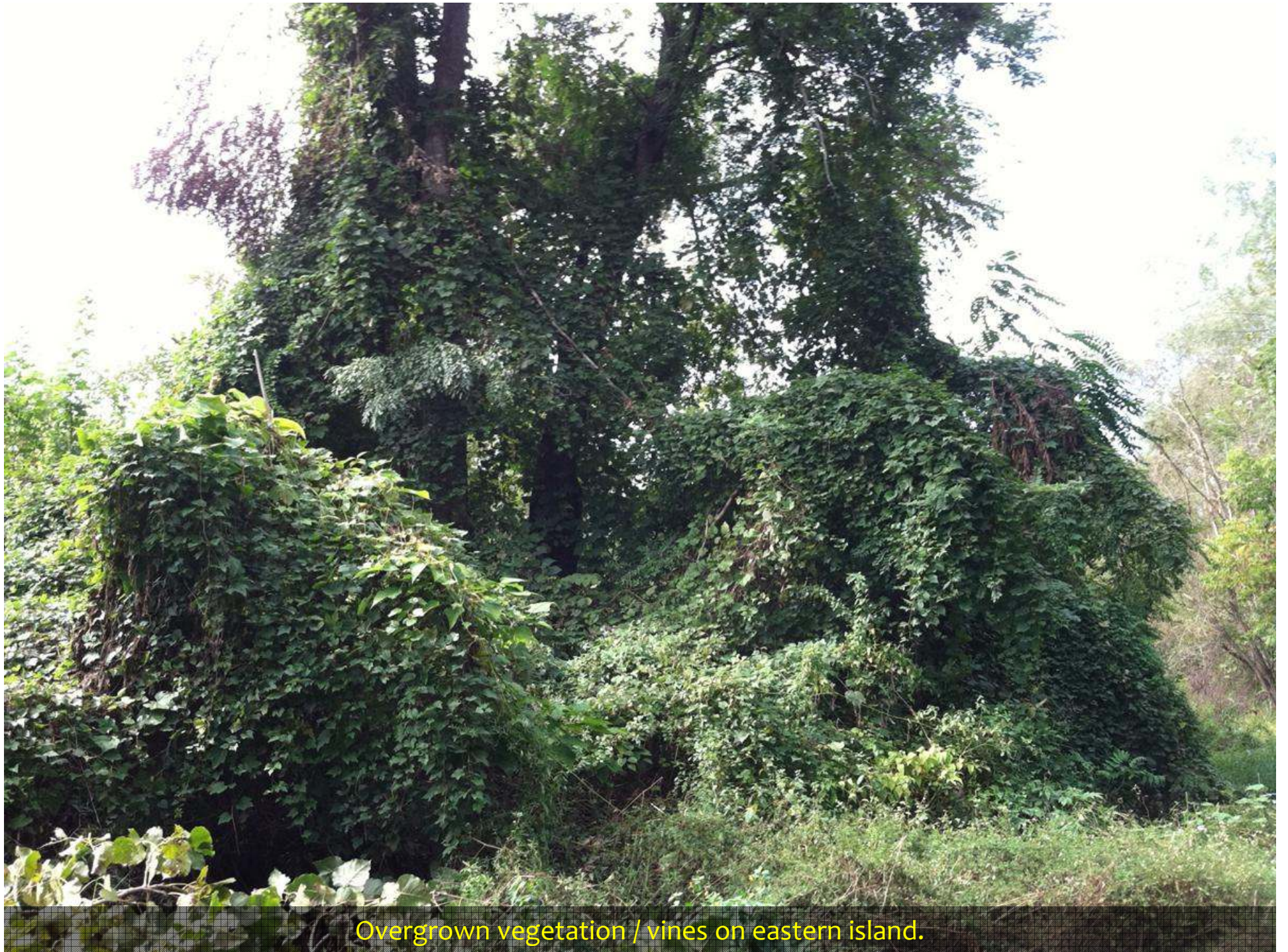


Photo viewpoint facing West from primary inlet apron, sediment buildup area in foreground (Summer 2011)



Overgrown vegetation / vines on eastern island.



Area for proposed dredging and debris clean-out along northern channel of western island, photo viewpoint facing northeast.

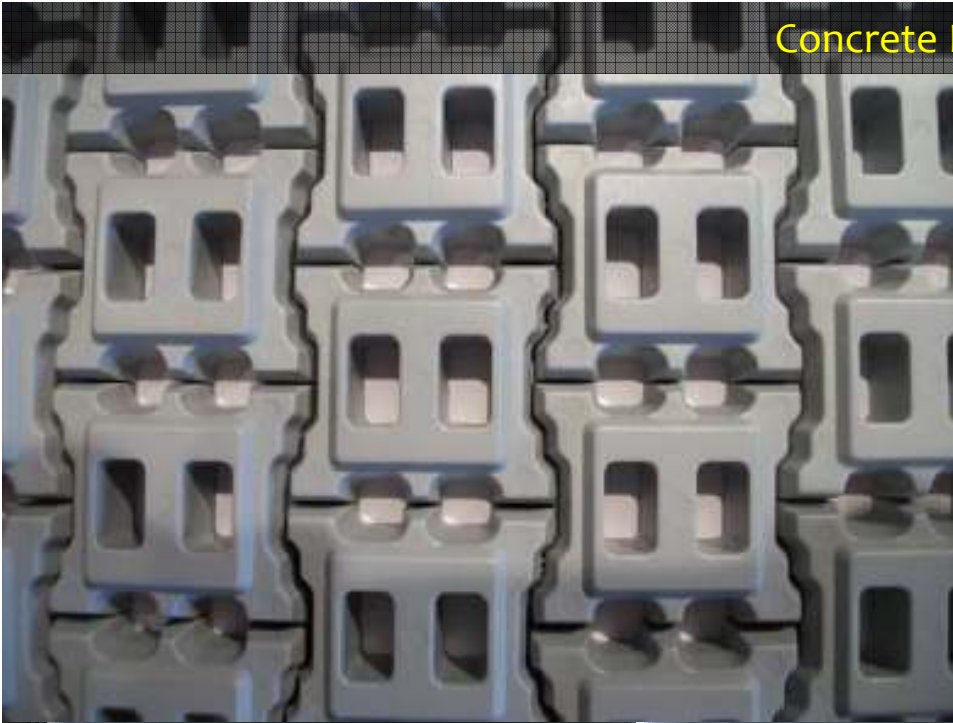


Photo viewpoint North of sediment buildup area located adjacent to primary inlet apron (Winter 2012)



During Mill Pond Reconstruction (Winter 2001)

Concrete Revetment





Raise concrete weir and installation of stop logs proposed at outfall to increase water level within Mill Pond.



Raise concrete weir and installation of stop logs proposed at outfall to increase water level within Mill Pond.

Floatables Collection System





Fresh Creek Technologies Netting Trash Trap



Storm Water Systems StormX

Floatables Collection System Cost

	LIRR	Hendrick Avenue	Town Path
Netting Trash Trap	\$390,000	\$410,000	\$360,000
Storm X	\$345,000	\$360,000	\$260,000

Netting Trash Trap Socks - \$215 – disposable

Storm X Socks - \$800 – 10-year Lifespan

Project Cost and Duration

Estimated Construction Cost	
Mill Pond Restoration	\$1,020,000
Floatables Collection System Installation	\$260,000 - \$410,000
Total Estimated Construction Cost	\$1,280,000 - \$1,430,000
Estimated Project Duration	
Final Design	6 Months
Permitting	6 Months
Bidding and Procurement	3 Months
Construction	3 – 6 Months
Total Estimated Project Duration	18 – 21 Months