

Appendix E:

Recommendations from the Master Plans for Lock 7 West and Plane 9 West

Morris Canal Greenway 25-Year Action Plan

Master Plan for Inclined Plane 9W
August 1, 2003 as per Herbert J. Githens, Historic Architect and Preservation Planner

Master Plan Tasks	Phase 1 1-3 Yrs	Phase 2 3-5 Yrs	Phase 3 5-10 Yrs
Archaeological Investigations			
Investigate debris piles, determine evidence of tool shed	X		
Determine evidence of powerhouse foundations	X		
Investigate open tailrace location	X		
Investigate mule/towpath, flume footings & foundations, plane summit and canal prism & fabric	X		
Explore evidence of outbuildings west of plane tender's house	X		
Investigate barn location & foundation east of plane tender's house	X		
Investigate typical plane cross-section	X		
Investigate site for gathering/orientation area and future visitor center	X		
Investigate flume structure footing stones and foundation walls		X	
Investigate brakeman's house ruins		X	
Investigate blacksmith shop foundation location		X	
Site Utility Investigations (Coordinate with New Access Road)			
Water supply	X		
Natural gas supply (feasibility of relocating pipeline out of plane area)	X		
Electrical service upgrade (consider underground service)	X		
New septic system or municipal sanitary sewer connection	X		
Design			
Selective tree and shrub clearing prior to archaeological work	X		
Restoration of plane slope	X		
Parking and access drives	X		

Master Plan for Inclined Plane 9W
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Master Plan Tasks	Phase 1 1-3 Yrs	Phase 2 3-5 Yrs	Phase 3 5-10 Yrs
Mule/towpath design and study for upgrade of existing Lopatcong Creek Bridge	X		
Historic preservation plan for plane tender's house with restoration & rehabilitation documents to follow	X		
Historic preservation plan for powerhouse with stabilization documents to follow	X		
Interpretation stations for plane summit and Port Warren	X		
Screen adjacent properties	X		
Path between Port Warren interpretation station and access road at 519 intersection	X		
Bike paths	X		
Accessible route and gathering/orientation area from parking lot to plane tender's house	X		
Interpretation stations for plane tender's house, powerhouse, headwall/tailrace and the plane		X	
Coordinate tailrace archaeological findings with access road engineering		X	
Headwall restoration		X	
Paths B and C design and split rail fence		X	
Stabilization of ruins for brakeman's house, barn structure, blacksmith's shop, plane tender's house outbuildings		X	
Flume, wasteway structures and layout of footing stones and stone foundations for flume.		X	
Visitor center and second phase rehabilitation documents for plane tender's house		X	
Other parking and site access as needed		X	
Construction Activities			
Demolish garage		X	
Upgrade site utilities (water, gas, electric, sewer)		X	
Restore plane slope and establish canal prism at top and bottom of plane		X	
Construct vehicular access and parking		X	
Construct gathering/orientation area and accessible route from parking area		X	

Master Plan for Inclined Plane 9W
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Master Plan Tasks	Phase 1 1-3 Yrs	Phase 2 3-5 Yrs	Phase 3 5-10 Yrs
Reconstruct mule/towpaths and rehabilitate bridge over Lopatcong Creek		X	
Restore exterior and 1/2 interior of plane tender's house to period. Rehab remainder as caretaker's residence, exhibit space and restrooms		X	
Stabilize powerhouse		X	
Construct plane summit interpretation station		X	
Construct Port Warren interpretation station		X	
Plant tree screen		X	
Construct paths between Port Warren interpretation station and access road at Route 519 intersection		X	
Construct bike paths		X	
Construct plane tender's house interpretation station			X
Construct powerhouse interpretation station			X
Construct plane interpretation station			X
Restore headwall			X
Construct paths B and C			X
Construct headwall and tunnel tailrace interpretation station			X
Install split rail fences			X
Stabilize ruins of brakeman's house, barn structure, blacksmith's shop, plane tender's house outbuildings			X
Install footing stones and stone foundation walls on ground to suggest layout of elevated box flume			X
Construct wooden flume at plane summit and wooden wasteway near headwall to suggest aspects of water power system			X
Construct visitor center as needed			X
Expand caretaker's residence within plane tender's house			X
Install additional parking as needed			X
Total Cost = \$5.0 to \$5.75 Million	\$0.6 to \$0.75 M	\$1.8 to \$2.0 M	\$2.6 to \$3.0 M

Historic Preservation Plan for Bread Lock Park
February 22, 2003 as per Herbert J. Githens, Historic Architect and Preservation Planner

Site Feature	Phase 1	Phase 2	Phase 3	Phase 4	Phase 5	Phase 6
Barns	A/E Design for Stabilization	Stabilization	A/E Design for Adaptive Reuse*	Convert to Museum		
By Pass Ditch			Archaeological Investigation	A/E Design for Restoration	Restoration	
Cabinet Shop	A/E Design for Adaptive Reuse	Convert to New Headquarters				
Canal Basin				Archaeological Investigation	A/E Design for Restoration	Restoration
Canal Prism and Towpath		A/E Design East Section	Restoration East Section		A/E Design West Section	Restoration West Section
Grounds					A/E Design	Construction
House			Relocate			
Lock		Secure Zone for Archaeology	Archaeological Investigation	A/E Design for Restoration**	Restoration	
Locktender's House			Archaeological Investigation	A/E Design for Restoration	Restoration	
Signage	Temporary with Brochures				A/E Design	Construction
Stable	Archaeological Investigation	A/E Design for Interpretation	Stabilization and Interpretation			
Visitor Center	Museum Planning					
Total Cost = \$2,700,000 to \$2,975,000	\$200,000 to \$250,000	\$425,000 to \$475,000	\$375,000 to \$425,000	\$900,000 to \$950,000	\$400,000 to \$450,000	\$400,000 to \$450,000

* Includes Museum Interpretive Planning. ** Includes Interpretive Planning