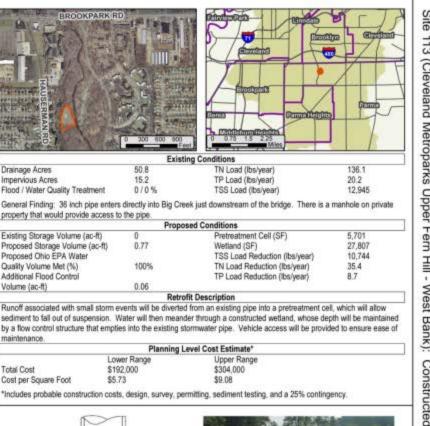


Stormwater Retrofit Inventory & Prioritization by Tetratech







Existing Conditions					
rainage Acres	50.8	TN Load (lbs/year)	136.1		
npervious Acres	15.2	TP Load (lbs/year)	20.2		
lood / Water Quality Treatment	0/0%	TSS Load (lbs/year)	12,945		

General Finding: 36 inch pipe enters directly into Big Creek just downstream of the bridge. There is a manhole on private property that would provide access to the pipe

rioposea conations					
Existing Storage Volume (ac-ft)	0	Pretreatment Cell (SF)	5,701		
Proposed Storage Volume (ac-ft)	0.77	Wetland (SF)	27,807		
Proposed Ohio EPA Water		TSS Load Reduction (lbs/year)	10,744		
Quality Volume Met (%)	100%	TN Load Reduction (lbs/year)	35.4		
Additional Flood Control		TP Load Reduction (lbs/year)	8.7		
Volume (ac-ff)	0.06	0. 90 %			

Retrofit Description

Planning Level Cost Estimate*

by a flow control structure that empties into the existing stormwater pipe. Vehicle access will be provided to ensure ease of

	r manning acres acces access		
Waleston Co.	Lower Range	Upper Range	
Total Cost	\$192,000	\$304,000	
Cost per Sousen Foot	CE 72	90.09	

"Includes probable construction costs, design, survey, permitting, sediment testing, and a 25% contingency

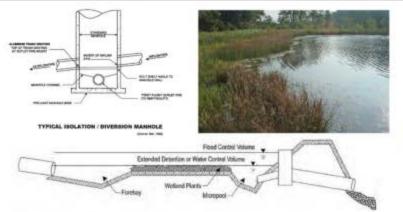


Pretreatment Cell





Manhole leading to the underground pipe that will be diverted to treatment areas.



Conceptuals for Grant Application

by Tetratech

Surface Water
Improvement Grant
Received by Parma

Project Management

By Cleveland Metroparks



Landscape sketch



Pre-bid Site Visit March 2014









Construction Begins

March 2015
By Metroparks Site Construction





Want to check it out first hand?

Join a Naturalist & Big Creek Connects

Friday, June 26, Noon - 1pm Restoration Tour



This project was financed in part through a grant from the Ohio Environmental Protection Agency under the provisions of the Surface Water Improvement Fund and the USEPA Great Lakes Restoration Initiative.

Completion June 2015



