Millers Creek Watershed Improvement Plan

Excerpt Showing an Example of a Proposed Schedule (with Cost Information)

April 2004

Table 7.1 Costs and Proposed Implementation Schedule for Recommended Improvement Opportunities

Focus Area	Priority	Activity	Respons-											
			ibility	1	2	3	4	nedu 5	6	7	8	9	10	Costs (\$)
	1	Create Millers Creek Drainage District	WCDC	Х	Х									\$200,000
	1	Middle Huron River phosphorus reduction strategy	Various	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	\$0
	1	Middle Huron River Illicit Discharge Elimination Program	WCDC	Х	Х	Х	Х	Х						\$150,000
	1	Millers Creek Public Involvement Program	HRWC	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	\$209,000
	2	Ann Arbor Township septic system inspection program	AAT	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	\$50,000
	2	Storm drain labeling	HRWC	Х		Х		Х		Х		Х		\$15,000
	1	Tree planting	Various	Х	Х	Х	Х	Х						\$52,000
	2	Reforestation	Various		Х		Х		Х		Х		Х	\$334,559
	2	Turf grass reduction/Native Plant conversion campaign	HRWC	Х	Х	Х	Х	Х						\$12,000
	1	Residential roof drain disconnect	AA/AAT	Х	Х	Х	Х	Х						\$250,000
	1	Implement fertilizer ordinance/policy	AA	Х	Х									\$0
	1	Natural area preservation strategies	AA/UM		Х	Х	Х	Х	Х	Х	Х	Х	Х	\$400,000
	3	Improve SESC inspection and enforcement capabilities	AA		Х	Х	Х	Х	Х	Х	Х	Х	Х	\$214,286
	3	Native vegetation management (invasive plant control)	AA			Х		Х		Х		Х		\$40,000
9,15	2	UM Northwood IV & V roof drain modification	UM		Х	Х								\$262,340
1	2	Thurston Elementary School roof drain modification	AAS		Х									\$20,000
	1	Monitoring/Web Site Updates	Various	Х	Х	Х	Х	Х	Х	Х	Х	Х	Х	\$227,400
	-	Geddes Pond detention retrofit	-	Completed								NA		
	-	Retention basin UM Grounds maintenance facility	-	Completed									NA	
	1	Street sweeping	AA		Х	Х	Х	Х	Х	Х	Х	Х	Х	\$250,000
7,8,10,16	3	Huron Parkway median bio-swales	AA		Х	Х								\$838,500
1	1	Thurston Pond stormwater detention retrofit	AAS		Х	Х	Х							\$52,000
8	1	UM Orange Lot (NC51) detention basin retrofit	UM			Х	Х							\$19,500
7	2	UM Administration Building detention basin retrofits	UM				Х	Х						\$606,300
4	3	Pfizer/Veridian building (Green Road) detention retrofit	Pfizer				Х	х						\$415,607
	3	Proprietary in-ground BMPs	Private/ Various			Х	X	X	Х	Х	Х	X	X	\$1,281,675
	3	Demonstration Rain Gardens	AA			Х	Х	Х	Х	Х				\$50,000

Focus	Priority		Respons-											
Area		Activity	ibility	1	2	3	4	5	6	7	8	9	10	Costs (\$)
2	3	Ave Maria wetland detention creation	WCDC?				х	х	х					\$1,592,757
3	2	Pfizer PUD floodplain storm water detention creation	Pfizer					Х	х					\$1,941,365
12	1	Huron High School detention/sediment trap creation	AAS/ WCDC?			Х	Х							\$422,500
4	3	Pfizer PUD Green Road floodplain detention (2 facilities)	Pfizer			X	Х							\$1,775,431
11	3	United Methodist Church Parking lot and roof drain detention creation	Private				х							\$93,984
11	3	Green Road detention upstream of Geddes Pond	WCDC				х	Х						\$260,000
8	3	UM Yellow Lots (NC53) detention creation at Huron Parkway	ИМ				х	Х						\$15,000
6	3	Michigan League/Dean Road detention creation	Private						X	Х				\$799,500
13	3	Earhart Park detention creation	Private/ WCDC						х	х				\$300,000
	1	Storm water infrastructure repairs	WCDC		Х	Х	Х	Х	X					\$257,000
9,10	1	Priority streambank stabilization	WCDC		Х	Х	Х	X	Х					\$1,650,000
9,10	3	Priority bed stabilization	WCDC					Х	Х	Х				\$1,405,000
9,10	3	Priority in-stream habitat improvements	WCDC					х	х	х				\$100,000
6,8,11	3	Non priority channel stabilization and habitat improvements	WCDC								х	х	Х	\$245,000
1	1	Clague Middle School - storm sewer disconnect	AAS		Х									\$20,000
2	2	Ave Maria Bio-swale	Private/ WCDC				х							\$283,140
6	2	Bioswale/UM Plant Services Storm Sewer Disconnect	UM			Х								\$104,000
5,13	3	Stream Daylighting	WCDC								Х	Х	Х	\$540,000
14	2	Ruthven Nature Area Access	AAPR			X								\$40,000
				10	8	\$2,694,622	\$3,675,173	\$3,448,044	\$3,015,114	\$2,070,968	\$1,838,397	82	52	
				\$487,210	\$262,600	394	375	148	115	070	338	\$943,858	\$891,752	
				\$48	\$26	\$2,6	\$3,6	\$3,4	\$3,(\$2,(\$1,8	\$94	\$89	
				ANNUAL PROJECT COSTS										

Notes:

- 1 = First priority Item is either on-going, low effort/high return or critical
- 2 = Second priority Item is medium effort or short to mid-term need
- 3 = Third priority Item is high effort or long-term need.