

Installation of Catch Basin Flow Restrictors
and Disconnection of Roof Downspouts
in the Combined Sewer Area

Project Cost Breakdown

Work Tasks	City Labor Costs									Materials Costs		Contract Costs		Task Total Cost	
	Technician			Engineer			Manager			Task Total Labor Cost	Description	Task Total Materials Cost	Description		Task Total Contract Cost
	Hours	Hourly Rate	Cost	Hours	Hourly Rate	Cost	Hours	Hourly Rate	Cost						
Project Coordination and Public O & I Program															
General Project Coordination	-	\$40	-	30	\$55	\$1,650	15	\$70	\$1,050	\$2,700	-	Contract with Professional Sales and Marketing Firm	-	\$2,700	
Public O & I Program	-	\$40	-	40	\$55	\$2,200	10	\$70	\$700	\$2,900	-		\$7,500	\$10,400	
Homeowner Notification & Solicitation	-	\$40	-	40	\$55	\$2,200	10	\$70	\$700	\$2,900	-		\$7,500	\$10,400	
Project Report Preparation	40	\$40	\$1,600	70	\$55	\$3,850	15	\$70	\$1,050	\$6,500	-		-	\$6,500	
Totals										\$15,000	-		\$15,000	\$30,000	
Downspout Site Inspections by EES Staff															
Pre-Disconnection Feasibility Inspection	190	\$40	\$7,600	90	\$55	\$4,950	10	\$70	\$700	\$13,250	-		-	\$13,250	
Post-Disconnection Documentation Inspection	110	\$40	\$4,400	30	\$55	\$1,650	10	\$70	\$700	\$6,750	-		-	\$6,750	
Totals										\$20,000	-		-	\$20,000	
Catch Basin Flow Restrictors															
Survey, Analysis, & Design	95	\$40	\$3,800	160	\$55	\$8,800	40	\$70	\$2,800	\$15,400	-	Installation Contract with Pavement Modifications	-	\$15,400	
Installation Contract	-	\$40	-	-	\$55	-	-	\$70	-	-	-		\$130,000	\$130,000	
Construction Inspection	150	\$40	\$6,000	40	\$55	\$2,200	20	\$70	\$1,400	\$9,600	-		-	\$9,600	
Totals										\$25,000	-		\$130,000	\$155,000	
Downspout Disconnection															
Downspout Disconnection Work	-	\$40	-	-	\$55	-	-	\$70	-	-	-	Disconnection Contract & Homeowner Rebates	-	\$40,000	
Totals										-	-			\$40,000	\$40,000
Combined Sewer Flow Monitoring															
Development of Monitoring Plan	10	\$40	\$400	20	\$55	\$1,100	5	\$70	\$350	\$1,850	-	Flow Monitors & Rain Gauges Field Supplies & Batteries	-	\$1,850	
Installation and Removal of Flow Monitors	30	\$40	\$1,200	10	\$55	\$550	-	\$70	-	\$1,750	\$14,500		-	\$16,250	
Monitoring Flow	235	\$40	\$9,400	30	\$55	\$1,650	5	\$70	\$350	\$11,400	\$500		-	\$11,900	
Totals										\$15,000	\$15,000		-	\$30,000	

Total Project Cost

\$275,000