

Chimney Sweep Fireplace Shop Stormwater Improvements - 100% Design Cost Estimate

VTrans Code	Description	Unit	Quantity	Unit Price	Amount
Site Preparation					
	Mobilization	LS	1	\$5,000.00	\$5,000.00
653.55	Project Demarcation Fencing	LF	500	\$1.59	\$795.00
652.10	EPSC Plan	LS	1	\$2,500.00	\$2,500.00
653.20	Temporary Erosion Matting	SY	60	\$2.34	\$140.40
649.51	Geotextile for silt fence	SY	520	\$4.07	\$2,116.40
652.20	Monitoring EPSC Plan	HR	8	\$40.21	\$321.68
	Construction Staking	HR	8	\$90.00	\$720.00
<i>Subtotal:</i>					\$11,593.48
Chamber Costs					
N/A	MC3500	EACH	90	\$ 431.25	\$38,812.50
N/A	MC3500 18T END CAP	EACH	18	\$ 458.85	\$8,259.30
N/A	MC3500 24B END CAP	EACH	3	\$ 458.85	\$1,376.55
N/A	MC3500 PLAIN END CAP	EACH	1	\$ 327.75	\$327.75
N/A	18" MC3500 DOUBLE TEE	EACH	6	\$ 902.72	\$5,416.29
N/A	18" MC3500 SINGLE TEE	EACH	2	\$ 463.53	\$927.06
N/A	18" MC3500 90 BEND	EACH	3	\$ 210.40	\$631.21
N/A	18" COUPLERS	EACH	30	\$ 25.01	\$750.38
N/A	24" COUPLERS	EACH	3	\$ 35.28	\$105.85
N/A	18" N12 AASHTO FOR MANIFOLD	EACH	40	\$ 13.58	\$543.26
N/A	24" N12 AASHTO FOR ISOLATOR ROW	EACH	20	\$ 20.49	\$409.86
N/A	601TG TO WRAP SYSTEM (SY)	SY	3500	\$ 0.72	\$2,535.75
N/A	315WTM FOR SCOUR PROTECTION (SY)	SY	1000	\$ 0.68	\$678.50
N/A	6" INSERTA TEE	EACH	2	\$ 106.46	\$212.91
N/A	6" BLUE HOLE SAW	EACH	1	\$ 319.99	\$319.99
N/A	12" INLINE DRAIN	EACH	2	\$ 351.90	\$703.80
N/A	6" N12 AASHTO FOR IP PORTS	EACH	20	\$ 2.56	\$51.29
<i>Subtotal:</i>					\$62,062.25
Associated Infrastructure and Other Costs					
604.20	Precast Reinforced Concrete Catch Basin with Cast Iron Grate	EACH	4	\$3,822.01	\$15,288.04
604.11	Concrete Manhole with Cast Iron Cover	EACH	6	\$5,000.00	\$30,000.00
203.15	Common Excavation	CY	1980	\$12.50	\$24,750.00
204.20	Trench Excavation of Earth	CY	1989	\$18.03	\$35,861.67
629.54	Crushed Stone Bedding	TON	670	\$30.79	\$20,629.30
301.26	Subbase of Crushed Gravel, Fine Graded (Bedding Sand)	CY	220	\$36.38	\$8,003.60
601.0910	15" CPEP Pipe	LF	193	\$51.48	\$9,935.64
601.0915	18" CPEP Pipe	LF	19	\$56.79	\$1,079.01
601.0920	24" CPEP Pipe	LF	166	\$63.96	\$10,617.36
613.11	Type II Stone (pipe outlet)	CY	15	\$45.47	\$682.05
605.11	8 inch underdrain pipe	LF	500	\$27.04	\$13,520.00
651.15	Seed (grass)	LBS	10	\$8.01	\$80.10
N/A	Remove and Reset AG Propane Tanks*	EACH	2	\$2,000.00	\$4,000.00
679.25	Remove and Reset Light Pole	EACH	1	\$4,933.33	\$4,933.33
N/A	30 Mil PVC Liner	SY	1140	\$5.68	\$6,475.20
301.26	Parking Lot Subbase of Crushed Gravel, Fine	CY	381	\$36.38	\$13,844.61
406.25	Bituminous Pavement	TONS	32.3	\$200.00	\$6,459.44
<i>Subtotal:</i>					\$206,159.36
Subtotal:					\$279,815.08
	Labor for chamber installation	HR	160	\$50.00	\$8,000.00
	Construction Oversight	HR	80	\$100.00	\$8,000.00
	Construction Contingency - 20%				\$27,981.51
Total (Rounded)					\$324,000.00

*Estimated