

Berlin Elementary School 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	300	\$1.59	\$477.00
653.20	Temporary Erosion Matting	SY	200	\$2.34	\$468.00
649.51	Geotextile for silt fence	SY	400	\$4.07	\$1,628.00
652.10	EPSC Plan	LS	1	\$500.00	\$500.00
	Construction Staking	HR	8	\$90.00	\$720.00
<i>Subtotal:</i>					\$8,793.00
Bioretention Basin (w/labor and trucking included)					
203.15	Common Excavation	CY	2000	\$12.50	\$25,000.00
651.35	Topsoil (Bioretention Soil)	CY	285	\$35.46	\$10,106.10
629.54	Crushed Stone Bedding	TON	75	\$30.79	\$2,309.25
613.11	Type II Stone (weirs and overflow)	CY	30	\$45.47	\$1,364.10
N/A	Plants (Perennial Plugs)	EACH	1315	\$1.00	\$1,315.00
651.15	Seed (grass)	LBS	10	\$8.01	\$80.10
601.0910	15" CPEP Pipe	LF	70	\$63.96	\$4,477.20
605.20	6" Perforated Pipe	LF	110	\$23.06	\$2,536.60
604.20	Precast Reinforced Concrete Catch Basin with Cast Iron Grate	EACH	1	\$3,822.01	\$3,822.01
<i>Subtotal:</i>					\$51,010.36
Pre-Treatment					
203.15	Common Excavation	CY	250	\$12.50	\$3,125.00
629.54	Crushed Stone Bedding	TON	0.7	\$30.79	\$21.55
Prop	Hydro International 6' Downstream Defender (includes delivery)	EACH	1	\$13,000.00	\$13,000.00
<i>Subtotal:</i>					\$16,146.55
Conveyance Costs (w/labor and trucking included)					
203.15	Common Excavation	CY	550	\$12.50	\$6,875.00
204.20	Trench Excavation of Earth	CY	459	\$18.03	\$8,275.77
601.0905	12" CPEP Pipe	LF	80	\$59.42	\$4,753.60
601.0910	15" CPEP Pipe	LF	530	\$63.96	\$33,898.80
604.20	Precast Reinforced Concrete Catch Basin with Cast Iron Grate	EACH	4	\$3,822.01	\$15,288.04
651.15	Seed (grass)	LBS	10	\$7.79	\$77.90
653.20	Temporary Erosion Matting	SY	400	\$2.34	\$936.00
<i>Subtotal:</i>					\$70,105.11
Subtotal:					\$146,055.02
	Construction Oversight	HR	40	\$100.00	\$4,000.00
	Construction Contingency - 20%				\$14,605.50
Total (Rounded)					\$165,000.00