

<div><div></div><div>BARR</div></div> <div>PREPARED BY: BARR ENGINEERING COMPANY</div> <div>ENGINEER'S OPINION OF COST</div> <div>PROJECT: MWMO Stormwater Park Site Improvements</div> <div>LOCATION: Minneapolis, MN</div> <div>PROJECT #: 23271471 23 WO 03</div> <div>OPINION OF COST - SUMMARY</div>	SHEET: 1		OF 1	
	BY: MDB3		DATE: 2/14/2024	
	CHECKED BY: NDC		DATE: 2/16/2024	
	CHECKED/REVISED BY:		DATE:	
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Engineer's Opinion of Probable Cost

MWMO Stormwater Park & Learning Center - Site Improvements

ITEM	ITEM DESCRIPTION	UNIT	ESTIMATED QUANTITY	UNIT COST	ITEM COST (ROUNDED)	NOTES
	GENERAL CONSTRUCTION					
	Mobilization (10%)	LS	1	\$6,500.00	\$6,500.00	1,2,3,4,5,6
	Construction Layout and Staking (1%)	LS	1	\$650.00	\$650.00	1,2,3,4,5,6,7,8
	Erosion and Sediment Control (2%)	LS	1	\$1,300.00	\$1,300.00	1,2,3,4,5,6,7,8
				SUBTOTAL	\$8,450.00	
	REMOVALS AND EROSION CONTROL					
	Construction Entrance	EA	1	\$2,500.00	\$2,500.00	1,2,3,4,5,6,7,8
	Tree Pruning	EA	39	\$300.00	\$11,700.00	1,2,3,4,5,6,7,8
	Tree Removal	EA	5	\$500.00	\$2,500.00	1,2,3,4,5,6,7,8
	Tree Protection Fencing	LF	170	\$5.00	\$900.00	1,2,3,4,5,6,7,8
				SUBTOTAL	\$16,700.00	
	CIVIL					
	Remove, Salvage, and Reinstall Seat Blocks	EA	18	\$250.00	\$4,500.00	1,2,3,4,5,6,7,8
	Remove, Salvage, and Reinstall 3.5' Wide Steps	EA	3	\$250.00	\$800.00	1,2,3,4,5,6,7,8
	Biesanz Stone Steps (3.5' wide)	EA	11	\$550.00	\$6,100.00	1,2,3,4,5,6,7,8
	Biesanz Stone Steps (5' wide)	EA	39	\$650.00	\$25,400.00	1,2,3,4,5,6,7,8
	Metal Landscape Edger	LF	255	\$20.00	\$5,100.00	1,2,3,4,5,6,7,8
	Stabilized Aggregate	TON	5	\$2,000.00	\$10,000.00	1,2,3,4,5,6,7,8
	Erosion Control Blanket	SY	175	\$3.50	\$600.00	1,2,3,4,5,6,7,8
				SUBTOTAL	\$48,000.00	
	PLANTINGS					
	Reseed all areas disturbed during construction	AC	0.068	\$4,000.00	\$300.00	1,2,3,4,5,6,7,8
				SUBTOTAL	\$300.00	
	CONSTRUCTION SUBTOTAL				\$73,450.00	1,2,3,4,5,6,7,8
	CONSTRUCTION CONTINGENCY (10%)				\$7,000.00	1,4,8
	ESTIMATED CONSTRUCTION COST				\$80,000.00	1,2,3,4,5,6,7,8
	CONSTRUCTION ADMINISTRATION (10%)				Not Included	1,2,3,4,5,6,7,8
	PERMITTING & REGULATORY APPROVALS				TBD	1,5,6
	ESTIMATED TOTAL PROJECT COST				\$80,000	1,2,3,4,5,6,7,8
	ESTIMATED ACCURACY RANGE	-10%			\$72,000	1,2,3,4,5,6,7,8
		15%			\$92,000	1,2,3,4,5,6,7,8

Notes

- ¹ Quantities based on Design Work Completed (90%).
- ² Unit Prices Based on Information Available at This Time.
- ³ Limited Soil Boring and Field Investigation Information Available.
- ⁴ This design level (Class 1, 70 - 100% design completion per ASTM E 2516-11) cost estimate is based on concept designs, alignments, quantities and unit prices. Costs will change with further design. Time value-of-money escalation costs are not included. A construction schedule is not available at this time. Contingency is an allowance for the net sum of costs that will be in the Final Total Project Cost at the time of the completion of design, but are not included at this level of project definition. The estimated accuracy range for the Total Project Cost as the project is defined is -10% to +15%. The accuracy range is based on professional judgement considering the level of design completed, the complexity of the project and the uncertainties in the project as scoped. The contingency and the accuracy range are not intended to include costs for future scope changes that are not part of the project as currently scoped or costs for risk contingency. Operation and Maintenance costs are not included.
- ⁵ Estimate assumes that projects will not be located on contaminated soil.
- ⁶ Estimate costs are to design, construct, and permit each alternative. The estimated costs do not include maintenance, monitoring or additional tasks following construction.
- ⁷ Furnish and Install pipe cost per linear foot includes all trenching, bedding, backfilling, compaction, and disposal of excess materials
- ⁸ Estimate costs are reported to nearest thousand dollars.