

Professional Services Hours

Project Name: **South Hills Stormwater Improvements**
 Project #: **21-08-33**
 Client: **City of Missoula (Adam Marsh, P.E.)**
 Date: **12/29/21**



	PRINCIPAL ENGINEER	SR PRJCT ENGINEER	SR CONST PROJ MGR	PROJECT REP	STAFF ENGINEER/ EI / CET	SR LANDSCAPE ARCHITECT/ PLANNER	LANDSCAPE DESIGNER	HYDROLOGIST 1	SCIENTIST 2	LAND SURVEYOR 3	2-PERSON SURVEY CREW	SR CADD DRAFTER	PROJECT ASSISTANT 2	COPIES & PRINTS	MILEAGE	SURVEY EQUIPMENT	TECHNOLOGY FEE	LABOR	SUB-CONSULTANTS (+10%)	EXPENSES	TOTAL		
PHASE 1.0 - GRANDVIEW WAY IMPROVEMENTS																							
Task 1.1	1 SITE MAPPING																						
1.01										1.0	2.0						\$ -	\$ 528.00		\$ -	\$ 528.00		
1.02		2.0								1.0	20.0				\$ 50.00	\$ 795.00	\$ -	\$ 4,208.00		\$ 845.00	\$ 5,053.00		
1.03										4.0							\$ -	\$ 624.00		\$ -	\$ 624.00		
1.04										1.0							\$ -	\$ 156.00		\$ -	\$ 156.00		
1.05			1.0		4.0												\$ -	\$ 674.00		\$ -	\$ 674.00		
1.06										2.0		12.0					\$ 48.00	\$ 1,776.00		\$ 48.00	\$ 1,824.00		
1.07	1.0	3.0								1.0							\$ -	\$ 838.00		\$ -	\$ 838.00		
	SUBTOTAL	1.0	6.0		4.0					10.0	22.0	12.0			\$ -	\$ 50.00	\$ 795.00	\$ 48.00	\$ 8,804.00	\$ -	\$ 893.00	\$ 9,697.00	
Task 1.2	2 DESIGN DEVELOPMENT																						
2.01		3.0			3.0										\$ 15.00		\$ -	\$ 879.00		\$ 15.00	\$ 894.00		
2.02					2.0												\$ -	\$ 254.00		\$ -	\$ 254.00		
2.03			4.0		12.0												\$ -	\$ 2,188.00		\$ -	\$ 2,188.00		
2.04			4.0		4.0												\$ -	\$ 1,172.00		\$ -	\$ 1,172.00		
2.05			1.0		4.0												\$ -	\$ 674.00		\$ -	\$ 674.00		
2.06			1.0		1.0												\$ -	\$ 293.00		\$ -	\$ 293.00		
2.07			2.0		16.0							16.0					\$ 64.00	\$ 4,316.00		\$ 64.00	\$ 4,380.00		
2.08			2.0		4.0												\$ -	\$ 840.00		\$ -	\$ 840.00		
2.09			2.0		6.0												\$ -	\$ 1,094.00		\$ -	\$ 1,094.00		
2.10					3.0							2.0					\$ 8.00	\$ 625.00		\$ 8.00	\$ 633.00		
2.11			4.0	8.0	34.0							30.0		\$ 50.00		\$ 120.00	\$ 9,970.00		\$ 170.00	\$ 10,140.00			
2.12			4.0	4.0	24.0							16.0		\$ 50.00		\$ 64.00	\$ 6,328.00		\$ 114.00	\$ 6,442.00			
2.13		1.0	4.0														\$ -	\$ 848.00		\$ -	\$ 848.00		
2.14			1.0		4.0								3.0	\$ 100.00		\$ -	\$ 989.00		\$ 100.00	\$ 1,089.00			
	SUBTOTAL	1.0	32.0	12.0	117.0							64.0	3.0	\$ 200.00	\$ 15.00	\$ -	\$ 256.00	\$ 30,470.00	\$ -	\$ 471.00	\$ 30,941.00		
Task 1.3	3 CONTRACT DOCUMENTS & BIDDING																						
3.01			1.0		4.0												\$ -	\$ 674.00		\$ -	\$ 674.00		
3.02				6.0	2.0												\$ -	\$ 1,250.00		\$ -	\$ 1,250.00		
3.03			1.0		2.0												\$ -	\$ 420.00		\$ -	\$ 420.00		
3.04			2.0		3.0												\$ -	\$ 713.00		\$ -	\$ 713.00		
3.05					3.0												\$ -	\$ 381.00		\$ -	\$ 381.00		
3.06			2.0		5.0												\$ -	\$ 967.00		\$ -	\$ 967.00		
3.07		1.0	2.0														\$ -	\$ 516.00		\$ -	\$ 516.00		
	SUBTOTAL	1.0	8.0	6.0	19.0									\$ -	\$ -	\$ -	\$ -	\$ 4,921.00	\$ -	\$ -	\$ 4,921.00		
Task 1.4	4 CONSTRUCTION ADMINISTRATION																						
4.01		2.0			6.0					2.0	12.0	6.0			\$ 30.00	\$ 530.00	\$ 24.00	\$ 4,370.00		\$ 584.00	\$ 4,954.00		
4.02		4.0		113.0	8.0										\$ 270.00		\$ -	\$ 18,517.00		\$ 270.00	\$ 18,787.00		
4.03			1.0		1.0												\$ -	\$ 315.00		\$ -	\$ 315.00		
4.04					1.0												\$ -	\$ 149.00	\$ 5,000.00	\$ -	\$ 5,649.00		
4.05			1.0		1.0												\$ -	\$ 315.00		\$ -	\$ 315.00		
4.06			1.0		1.0												\$ -	\$ 315.00		\$ -	\$ 315.00		
4.07					2.0										\$ 20.00		\$ -	\$ 298.00		\$ 20.00	\$ 318.00		
4.08			2.0		4.0							4.0					\$ 16.00	\$ 1,416.00		\$ 16.00	\$ 1,432.00		
4.09					2.0												\$ -	\$ 298.00		\$ -	\$ 298.00		
4.10					1.0												\$ -	\$ 149.00		\$ -	\$ 149.00		
4.11			1.0		3.0												\$ -	\$ 613.00		\$ -	\$ 613.00		
4.12					1.0												\$ -	\$ 149.00		\$ -	\$ 149.00		
4.13		2.0	6.0														\$ -	\$ 1,364.00		\$ -	\$ 1,364.00		
	SUBTOTAL	2.0	18.0	130.0	14.0					2.0	12.0	10.0		\$ -	\$ 320.00	\$ 530.00	\$ 40.00	\$ 28,268.00	\$ 5,500.00	\$ 890.00	\$ 34,658.00		
																			PHASE 1.0 TOTAL			\$ 80,217.00	

Professional Services Hours

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														COPIES & PRINTS	MILEAGE	SURVEY EQUIPMENT	TECHNOLOGY FEE	LABOR	SUB-CONSULTANTS (+10%)	EXPENSES	TOTAL														
PRINCIPAL ENGINEER	SR PRJCT ENGINEER	SR CONST PROJ MGR	PROJECT REP	STAFF ENGINEER/ EI / CET	SR LANDSCAPE ARCHITECT/ PLANNER	LANDSCAPE DESIGNER	HYDROLOGIST 1	SCIENTIST 2	LAND SURVEYOR 3	2-PERSON SURVEY CREW	SR CADD DRAFTER	PROJECT ASSISTANT 2																							
PHASE 2.0 - GHARRETT STREET IMPROVEMENTS																																			
Task 2.1 1 SITE MAPPING																																			
1.01									1.0	2.0								\$ 528.00																	
1.02		2.0							1.0	27.0								\$ 5,510.00																	
1.03									12.0									\$ 1,872.00																	
1.04										1.0								\$ 156.00																	
1.05		1.0		4.0														\$ 674.00																	
1.06									2.0		16.0							\$ 2,264.00																	
1.07	1.0	2.0							1.0									\$ 672.00																	
SUBTOTAL														1.0	5.0			4.0				18.0	29.0	16.0	\$ -	\$ 40.00	\$ 795.00	\$ 64.00	\$ 11,676.00	\$ -	\$ 899.00	\$ 12,575.00			
Task 2.2 2 DESIGN DEVELOPMENT																																			
2.01		4.0																\$ 664.00																	
2.02				2.0														\$ 254.00																	
2.03								2.0										\$ 5,528.00																	
2.04	1.0	4.0		8.0							4.0							\$ 2,352.00																	
2.05		3.0																\$ 498.00																	
2.06					5.0													\$ 635.00																	
2.07		4.0		8.0														\$ 1,680.00																	
2.08		4.0		24.0							30.0							\$ 7,372.00																	
2.09				6.0														\$ 762.00																	
2.10		1.0		6.0														\$ 928.00																	
2.11		3.0		6.0														\$ 1,260.00																	
2.12		6.0		26.0							26.0							\$ 7,470.00																	
2.13		2.0		4.0														\$ 840.00																	
2.14		32.0									4.0							\$ 5,800.00																	
2.15				3.0														\$ 381.00																	
2.16	3.0	8.0	12.0	80.0							64.0							\$ 21,840.00																	
2.17		4.0	6.0	20.0							12.0							\$ 5,664.00																	
2.18	1.0	3.0																\$ 682.00																	
2.19	4.0	4.0		1.0							4.0							\$ 1,279.00																	
SUBTOTAL														5.0	114.0	18.0		199.0				2.0		144.0	\$ 100.00	\$ 27.00	\$ -	\$ 576.00	\$ 65,889.00	\$ -	\$ 703.00	\$ 66,592.00			
Task 2.3 3 CONTRACT DOCUMENTS & BIDDING																																			
3.01		1.0		4.0														\$ 674.00																	
3.02			6.0	2.0														\$ 1,250.00																	
3.03		2.0		3.0														\$ 713.00																	
3.04		4.0		3.0														\$ 1,045.00																	
3.05		1.0		3.0														\$ 547.00																	
3.06		2.0		5.0														\$ 967.00																	
3.07	1.0	2.0																\$ 516.00																	
SUBTOTAL														1.0	12.0	6.0		20.0							\$ -	\$ -	\$ -	\$ -	\$ 5,712.00	\$ -	\$ -	\$ 5,712.00			
Task 2.4 4 CONSTRUCTION ADMINISTRATION																																			
4.01		2.0		18.0					1.0	20.0	16.0							\$ 8,446.00																	
4.02		6.0		150.0														\$ 23,346.00																	
4.03		1.0		1.0														\$ 315.00																	
4.04		1.0		1.0														\$ 315.00																	
4.05		2.0		1.0														\$ 481.00																	
4.06		1.0		1.0														\$ 315.00																	
4.07				2.0														\$ 298.00																	
4.08		3.0		6.0							6.0							\$ 2,124.00																	
4.09				2.0														\$ 298.00																	
4.10				1.0														\$ 149.00																	
4.11		1.0		4.0														\$ 762.00																	
4.12				1.0														\$ 149.00																	
4.13	2.0	6.0																\$ 1,364.00																	
SUBTOTAL														2.0	23.0			170.0	18.0			1.0	20.0	22.0	\$ -	\$ 428.00	\$ 530.00	\$ 88.00	\$ 38,362.00	\$ 7,700.00	\$ 1,046.00	\$ 47,108.00			
PHASE 2.0 TOTAL																																			\$ 131,987.00

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	PRINCIPAL ENGINEER	SR PRJCT ENGINEER	SR CONST PROJ MGR	PROJECT REP	STAFF ENGINEER/ EI / CET	SR LANDSCAPE ARCHITECT/ PLANNER	LANDSCAPE DESIGNER	HYDROLOGIST 1	SCIENTIST 2	LAND SURVEYOR 3	2-PERSON SURVEY CREW	SR CADD DRAFTER	PROJECT ASSISTANT 2	COPIES & PRINTS	MILEAGE	SURVEY EQUIPMENT	TECHNOLOGY FEE	LABOR	SUB-CONSULTANTS (+10%)	EXPENSES	TOTAL	
PHASE 3.0 - CATTAIL CORNER IMPROVEMENTS																						
Task 3.1	1 SITE MAPPING																					
1.01										1.0	2.0						\$ -	\$ 528.00		\$ -	\$ 528.00	
1.02		2.0								1.0	20.0				\$ 10.00	\$ 795.00	\$ -	\$ 4,208.00		\$ 805.00	\$ 5,013.00	
1.03		2.0								1.0	14.0				\$ 10.00	\$ 530.00	\$ -	\$ 3,092.00		\$ 540.00	\$ 3,632.00	
1.04										6.0							\$ -	\$ 936.00		\$ -	\$ 936.00	
1.05										1.0							\$ -	\$ 156.00		\$ -	\$ 156.00	
1.06		2.0			5.0												\$ -	\$ 967.00		\$ -	\$ 967.00	
1.07										3.0		18.0					\$ 72.00	\$ 2,664.00		\$ 72.00	\$ 2,736.00	
1.08	1.0	3.0															\$ -	\$ 682.00		\$ -	\$ 682.00	
	SUBTOTAL	1.0	9.0		5.0					13.0	36.0	18.0			\$ -	\$ 20.00	\$ 1,325.00	\$ 72.00	\$ 13,233.00	\$ -	\$ 1,417.00	\$ 14,650.00
Task 3.2	2 GEOTECHNICAL INVESTIGATION																					
2.01																	\$ -	\$ -	\$ 12,000.00	\$ -	\$ 13,200.00	
2.02																	\$ -	\$ -	\$ -	\$ -	\$ -	
2.03																	\$ -	\$ -	\$ -	\$ -	\$ -	
2.04		2.0			4.0			9.0							\$ 10.00		\$ -	\$ 1,812.00	\$ 2,800.00	\$ 10.00	\$ 4,902.00	
2.05		2.0															\$ -	\$ 332.00		\$ -	\$ 332.00	
	SUBTOTAL	4.0			4.0			9.0							\$ -	\$ 10.00	\$ -	\$ -	\$ 2,144.00	\$ 16,280.00	\$ 10.00	\$ 18,434.00
Task 3.3	3 ABBREVIATED WETLANDS FUNCTIONS & VALUES ASSESSMENT																					
3.01								6.0							\$ 250.00	\$ 75.00	\$ -	\$ 648.00		\$ 325.00	\$ 973.00	
3.02								2.0									\$ -	\$ 216.00		\$ -	\$ 216.00	
3.03								2.0									\$ -	\$ 216.00		\$ -	\$ 216.00	
3.04								2.0									\$ -	\$ 216.00		\$ -	\$ 216.00	
3.05								2.0									\$ -	\$ 216.00		\$ -	\$ 216.00	
3.06		3.0						8.0									\$ -	\$ 1,362.00		\$ -	\$ 1,362.00	
	SUBTOTAL	3.0			4.0			24.0							\$ -	\$ 250.00	\$ 75.00	\$ -	\$ 2,874.00	\$ -	\$ 325.00	\$ 3,199.00
Task 3.4	4 DESIGN DEVELOPMENT																					
4.01		4.0			3.0												\$ -	\$ 1,045.00		\$ -	\$ 1,045.00	
4.02		3.0			3.0												\$ -	\$ 879.00		\$ -	\$ 879.00	
4.03		32.0			4.0			4.0									\$ -	\$ 6,252.00		\$ -	\$ 6,252.00	
4.04		28.0			4.0												\$ -	\$ 5,156.00		\$ -	\$ 5,156.00	
4.05		3.0			3.0	1.0											\$ -	\$ 1,039.00		\$ -	\$ 1,039.00	
4.06		6.0			6.0	2.0											\$ -	\$ 2,078.00		\$ -	\$ 2,078.00	
4.07		2.0			2.0												\$ -	\$ 586.00		\$ -	\$ 586.00	
4.08		4.0			8.0	4.0	20.0		2.0			24.0					\$ 96.00	\$ 7,224.00		\$ 96.00	\$ 7,320.00	
4.09		4.0			2.0												\$ -	\$ 918.00		\$ -	\$ 918.00	
4.10		26.0															\$ -	\$ 4,316.00		\$ -	\$ 4,316.00	
4.11					3.0												\$ -	\$ 381.00		\$ -	\$ 381.00	
4.12		20.0			24.0	6.0	24.0						40.0				\$ 160.00	\$ 14,320.00		\$ 160.00	\$ 14,480.00	
4.13		1.0	12.0		6.0	4.0											\$ -	\$ 3,560.00		\$ -	\$ 3,560.00	
4.14		8.0	8.0		16.0	1.0	4.0						16.0				\$ 64.00	\$ 7,152.00		\$ 64.00	\$ 7,216.00	
4.15		2.0	4.0														\$ -	\$ 1,032.00		\$ -	\$ 1,032.00	
4.16		2.0					8.0										\$ -	\$ 1,036.00		\$ -	\$ 1,036.00	
	SUBTOTAL	2.0	147.0	20.0	84.0	18.0	56.0	6.0				80.0			\$ -	\$ -	\$ -	\$ 320.00	\$ 56,974.00	\$ -	\$ 320.00	\$ 57,294.00
Task 3.5	5 FLOODPLAIN PERMITTING																					
5.01		4.0			16.0							8.0					\$ 32.00	\$ 3,672.00		\$ 32.00	\$ 3,704.00	
5.02		12.0															\$ -	\$ 1,992.00		\$ -	\$ 1,992.00	
5.03		2.0			2.0										\$ 12.00		\$ -	\$ 586.00		\$ 12.00	\$ 598.00	
	SUBTOTAL	18.0			18.0							8.0			\$ -	\$ 12.00	\$ -	\$ 32.00	\$ 6,250.00	\$ -	\$ 44.00	\$ 6,294.00

Professional Services Hours

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		PRINCIPAL ENGINEER	SR PRJCT ENGINEER	SR CONST PROJ MGR	PROJECT REP	STAFF ENGINEER/ EI / CET	SR LANDSCAPE ARCHITECT/ PLANNER	LANDSCAPE DESIGNER	HYDROLOGIST 1	SCIENTIST 2	LAND SURVEYOR 3	2-PERSON SURVEY CREW	SR CADD DRAFTER	PROJECT ASSISTANT 2	COPIES & PRINTS	MILEAGE	SURVEY EQUIPMENT	TECHNOLOGY FEE	LABOR	SUB-CONSULTANTS (+10%)	EXPENSES	TOTAL	
Task 3.6	6	CONTRACT DOCUMENTS & BIDDING																					
6.01			1.0			4.0												\$ -	\$ 674.00		\$ -	\$ 674.00	
6.02				6.0		2.0												\$ -	\$ 1,250.00		\$ -	\$ 1,250.00	
6.03			2.0			3.0												\$ -	\$ 713.00		\$ -	\$ 713.00	
6.04			4.0			3.0												\$ -	\$ 1,045.00		\$ -	\$ 1,045.00	
6.05			1.0			3.0												\$ -	\$ 547.00		\$ -	\$ 547.00	
6.06			2.0			5.0												\$ -	\$ 967.00		\$ -	\$ 967.00	
6.07		1.0	2.0															\$ -	\$ 516.00		\$ -	\$ 516.00	
SUBTOTAL		1.0	12.0	6.0		20.0									\$ -	\$ -	\$ -	\$ -	\$ 5,712.00	\$ -	\$ -	\$ 5,712.00	
Task 3.7	7	CONSTRUCTION ADMINISTRATION																					
7.01			2.0			8.0					1.0	20.0	8.0				\$ 795.00	\$ 32.00	\$ 6,200.00		\$ 827.00	\$ 7,027.00	
7.02			6.0		125.0													\$ -	\$ 19,621.00		\$ -	\$ 19,621.00	
7.03			1.0		1.0													\$ -	\$ 315.00		\$ -	\$ 315.00	
7.04			1.0		1.0													\$ -	\$ 315.00	\$ 4,000.00	\$ -	\$ 4,715.00	
7.05			2.0		1.0													\$ -	\$ 481.00		\$ -	\$ 481.00	
7.06			1.0		1.0													\$ -	\$ 315.00		\$ -	\$ 315.00	
7.07					1.0													\$ -	\$ 149.00		\$ -	\$ 149.00	
7.08			3.0		6.0								6.0					\$ 24.00	\$ 2,124.00		\$ 24.00	\$ 2,148.00	
7.09					1.0													\$ -	\$ 149.00		\$ -	\$ 149.00	
7.10					1.0													\$ -	\$ 149.00		\$ -	\$ 149.00	
7.11			1.0		2.0													\$ -	\$ 464.00		\$ -	\$ 464.00	
7.12					1.0													\$ -	\$ 149.00		\$ -	\$ 149.00	
7.13		2.0	4.0															\$ -	\$ 1,032.00		\$ -	\$ 1,032.00	
SUBTOTAL		2.0	21.0		141.0	8.0					1.0	20.0	14.0		\$ -	\$ -	\$ 795.00	\$ 56.00	\$ 31,463.00	\$ 4,400.00	\$ 851.00	\$ 36,714.00	
PHASE 3.0 TOTAL																						\$ 142,297.00	
PHASE 4.0 - PROJECT MANAGEMENT & ADMINISTRATION																							
Task 4.1	1	PROJECT MANAGEMENT																					
1.01			30															\$ -	\$ 4,980.00		\$ -	\$ 4,980.00	
1.02			24															\$ -	\$ 3,984.00		\$ -	\$ 3,984.00	
1.03			16															\$ -	\$ 2,656.00		\$ -	\$ 2,656.00	
1.04			50															\$ -	\$ 8,300.00		\$ -	\$ 8,300.00	
SUBTOTAL			120.0												\$ -	\$ -	\$ -	\$ -	\$ 19,920.00	\$ -	\$ -	\$ 19,920.00	
PHASE 5.0 - MISCELLANEOUS ENGINEERING WORK																							
Task 5.1	1	MISC WORK AUTHORIZED BY CITY																					
1.01																		\$ -	\$ -		\$ -	\$ 18,721.05	
SUBTOTAL															\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,721.05	
PROJECT TOTALS		20.0	534.0	68.0	441.0	516.0	18.0	56.0	9.0	32.0	45.0	139.0	380.0	3.0	\$ 300.00	\$ 1,160.00	\$ 4,845.00	\$ 1,520.00	\$ 326,422.00	\$ 33,880.00	\$ 7,825.00	\$ 393,142.05	