

Preliminary Engineer's Cost Opinion
for John Parris Cabin
Proposed Retaining Wall Replacement

<u>Estimated Construction Costs</u>					
<u>Item #</u>	<u>Description</u>	<u>Estimated Quantity</u>	<u>Unit Quantity</u>	<u>Estimated Unit Cost</u>	<u>Estimated Cost</u>
1	Clearing, Grubbing and Demolition	Lump Sum	n/a	n/a	\$3,800
2	Grading and Earthwork	Lump Sum	n/a	n/a	\$8,200
3	Storm Drain Piping (12" diameter and less with fittings)	230	Linear Ft	\$40.00	\$9,200
4	Storm Drain Inlet Structures	2	Each	\$3,500.00	\$7,000
5	Connection to Existing Storm Drainage Structure	1	Each	\$2,300.00	\$2,300
6	Segmental, Geogrid Reinforced (MSE) Retaining Wall	750	SF of Face Area	\$38.00	\$28,500
7	Fabricated Steel Fencing Framework along Top of Wall with Attached Stained Board Fence Both Sides	80	Linear Ft	\$105.00	\$8,400
8	Erosion Control	Lump Sum	n/a	n/a	\$4,800
Estimated Construction Subtotal					\$72,200
<u>Other Estimated Project Costs</u>					
<u>Item #</u>	<u>Description</u>				<u>Estimated Costs</u>
9	Allowance for Temporary Construction Easement (legal & survey, if needed)				\$4,000
10	Allowance for Geotechnical (Soils) Consultant - Evaluation for Design and Periodic Testing During Construction				\$5,000
11	Design Survey				\$240
12	Engineering				\$4,000
13	Engineering: Informal Bidding & Contract Administration Services				\$1,700
14	Engineering: Periodic Construction Observation				\$1,200
15	Project Contingency (10% ± of Estimated Construction Cost)				\$7,220
Estimated Other Project Costs Subtotal					\$23,360
Total Estimated Project Cost					\$95,560
<u>Notes:</u>					
a. This estimate does <u>not</u> include any allowance for rock excavation.					
b. This estimate is based on providing a grassed surface on the level area above the wall.					
c. This estimate is based on the engineer's opinion of typical current market pricing and does not contain provisions for inflation.					