

**Construction Cost Opinion
Nelson Creek (Phase 2 Division 6)
Suncadia MPR**

ESM Consulting Engineers, LLC
May 3, 2021

SCHEDULE "A" PREPARATION

ITEM	DESCRIPTION	TOTAL QUANT.	UNIT	UNIT PRICE	PRICE EXTENSION
A 1	Clearing & Grubbing	4.13	AC	\$ 6,784.90	\$ 28,021.64
A 2	Saw-cut Existing Pavement	90.00	LF	\$ 23.04	\$ 2,073.60
A 3	Remove Existing Asphalt Pavement	19.00	SY	\$ 15.00	\$ 285.00
A 4	Rock Truck Entrance (Quarry Spalls)	1	EA	\$ 3,500.00	\$ 3,500.00
A 5	Mobilization - 5% of total	1	LS	\$ 35,000.00	\$ 35,000.00
SCHEDULE "A" TOTAL					\$ 68,880.24

SCHEDULE "B" GRADING

B 1	Permanent Signage	1	LS	\$ 5,000.00	\$ 5,000.00
B 2	Fine Grading (Road)	10,245	SY	\$ 0.65	\$ 6,659.25
SCHEDULE "B" TOTAL					\$ 11,659.25

SCHEDULE "C" ROADWAY

ITEM	DESCRIPTION	TOTAL QUANT.	UNIT	UNIT PRICE	PRICE EXTENSION
C 1	7" Crushed Surfacing Base Course	2,000	CY	\$ 62.62	\$ 125,240.00
C 2	2" Crushed Surfacing Top Course	600	CY	\$ 18.00	\$ 10,800.00
C 3	3" HMA Cl. 1/2" PG 64-28 Roadway w/Thickened Edge	1,840	TON	\$ 132.47	\$ 243,744.80
C 4	2.5" HMA Cl. 1/2" PG 64-28 Trail	0	TON	\$ 87.00	\$ -
C 5	Roadway Monumentation	15	EA	\$ 548.28	\$ 8,224.20
C 6	Removable & Stationary Bollards	0	EA	\$ 250.00	\$ -
C 7	Entrance Gate	0	EA	\$ 12,000.00	\$ -
SCHEDULE "C" TOTAL					\$ 388,009.00

SCHEDULE "D" ROADWAY STORM DRAINAGE

D 1	Storm Drain ADS N12, 12"	1,535	LF	\$ 20.00	\$ 30,700.00
D 2	Type I Catch Basin	28	EA	\$ 1,875.03	\$ 52,500.84
D 3	Type I-L Catch Basin	0	EA	\$ 900.00	\$ -
D 4	Type II Catch Basin, 48" Dia., w/ Cover	0	EA	\$ 2,400.00	\$ -
D 5	Drainage Dispersion Trench	0	LF	\$ 50.00	\$ -
D 6	Drainage Ditch w/Riprap Bottom (1'-4' wide bot. x 2' deep min.)	0	LF	\$ 15.00	\$ -
D 7	Bio-Infiltration Swale	856	LF	\$ 15.00	\$ 12,840.00
D 8	Silt Fence	7,180	LF	\$ 5.43	\$ 38,987.40
D 9	Hydroseeding	2.00	AC	\$ 1,100.00	\$ 2,200.00
D 10	Rip Rap - Pipe Inlet/Outfall	504	CY	\$ 62.40	\$ 31,449.60
D 11	Infiltration Facility Excavation and Haul Off	0	CY	\$ 3.50	\$ -
D 12	Infiltration Facility Fine Grading	0	SY	\$ 0.65	\$ -
D 13	3/4" - 1 1/2" Washed Rock	0	CY	\$ 15.00	\$ -
D 14	Amended Soil	246	CY	\$ 30.00	\$ 7,380.00
D 15	Mirafi 180 Geotextile	0	SY	\$ 2.50	\$ -
SCHEDULE "D" TOTAL					\$ 176,057.84

Construction Cost Opinion

SCHEDULE "E" WATER

ITEM	DESCRIPTION	TOTAL QUANT.	UNIT	UNIT PRICE	PRICE EXTENSION
E 1	Water Main , 8" C900	3,982	LF	\$ 79.00	\$ 314,578.00
E 2	2" Blow-Off	0	EA	\$ 1,500.00	\$ -
E 3	Combination Air Valve Assembly	0	EA	\$ 2,200.00	\$ -
E 4	Fire Hydrant Assembly (includes Tee and 6" GV)	7	EA	\$ 4,948.80	\$ 34,641.60
E 5	Gate Valve, 8"	16	EA	\$ 2,166.67	\$ 34,666.72
E 6	Single Water Service (1-1/2"), 1" meter and box	42	EA	\$ 1,500.00	\$ 63,000.00
E 7	Connect to Existing	1	EA	\$ 2,000.00	\$ 2,000.00
SCHEDULE "E" TOTAL					\$ 448,886.32

SCHEDULE "F" SANITARY SEWER

F 1	8" PVC to 12 ft. Deep	2,659	LF	\$ 39.24	\$ 104,339.16
F 2	Extra Depth Trenching & Manholes	0	LF	\$ 4.00	\$ -
F 3	48" Manhole	20	EA	\$ 2,800.00	\$ 56,000.00
F 4	Side Sewer, 6"	31	EA	\$ 600.00	\$ 18,600.00
F 5	Low Pressure Lateral	11	EA	\$ 900.00	\$ 9,900.00
F 6	Cleanout	46	EA	\$ 1,000.00	\$ 46,000.00
F 7	4" HDPE Pressure Sewer Main		LF	\$ 15.00	\$ -
F 8	3" HDPE Low Pressure Sewer	1,113	LF	\$ 9.00	\$ 10,017.00
F 9	Sewer Single Flushing Station	1	EA	\$ 1,600.00	\$ 1,600.00
F 10	Sewer Double Flushing Station	0	EA	\$ 2,000.00	\$ -
F 11	Sewer Air Release Assembly	0	EA	\$ 2,200.00	\$ -
F 12	Connect to Existing	1	EA	\$ 3,000.00	\$ 3,000.00
SCHEDULE "F" TOTAL					\$ 249,456.16

SCHEDULE "G" EARTHWORK

G 1	Stripping (12")	5,400	CY	\$ 5.00	\$ 27,000.00
G 2	Cut	3,200	CY	\$ 6.00	\$ 19,200.00
G 3	Fill	2,800	CY	\$ 8.00	\$ 22,400.00
G 4	Unsuitable Excavation & Dispose On-Site	0	CY	\$ 4.00	\$ -
SCHEDULE "G" TOTAL					\$ 68,600.00

Construction Cost Opinion

SCHEDULE "H" DRY UTILITIES

ITEM	DESCRIPTION	TOTAL QUANT.	UNIT	UNIT PRICE	PRICE EXTENSION
H 1	60" x 60" Trench with (2) 6", (3) 4", (1) 3" and (3) 2" Conduit (includes Excavation for Electric Vaults, and 1' deep sand bedding and cover)	0	LF	\$ 39.00	\$ -
H 2	42" x 48" Trench with (1) 6", (2) 4", (1) 3" and (2) 2" Conduit (includes Excavation for Electric Vaults, and 1' deep sand bedding and cover)	3,920	LF	\$ 40.00	\$ 156,800.00
H 3	42" x 48" Trench with (2) 2" Conduit (includes 1' deep sand bedding and cover)	0	LF	\$ 12.00	\$ -
H 4	<i>Neighborhood Ped. Street Lights</i>	6	EA	\$ 5,000.00	\$ 30,000.00
H 5	Crossings with (1) 6", (2) 4", 1 (3") and (2) 2" Conduit (includes 1' deep sand bedding and cover, and select backfill)	0	LF	\$ 35.00	\$ -
H 6	Excavation and 1' Sand Bedding for Vaults (includes Power, Telephone and Cable Vaults)	6	EA	\$ 350.00	\$ 2,100.00
H 7	Lumination	0	LS	\$ 1.00	\$ -
SCHEDULE "H" TOTAL					\$ 188,900.00

TOTAL	\$ 1,600,448.81
Sales tax - 8%	\$ 128,035.90
SUB-TOTAL INCLUDING TAX	\$ 1,728,484.71
Contingency - 10%	\$ 172,848.47
Testing, Surveying, Inspection & Admin. - 15%	\$ 259,272.71
TOTAL BONDING ESTIMATE	\$ 2,160,700.00

NOTE: Since the design professional has no control over the cost of labor, materials, or equipment, or over the contractor's method of determining prices, or over competitive bidding or market conditions, our opinions of probable construction cost provided for herein are made on the basis of experience and qualifications. These opinions represent our best judgment as a design professional familiar with the construction industry. However, we cannot and do not guarantee that proposals, bids, or the construction cost will not vary from opinions of probable cost prepared by this firm. If the owner wishes greater assurance as to the construction cost, an independent cost estimator should be employed.