

Table 1
Preliminary Engineer's Estimate - Alternate 1

Project: Town of Yates Park Improvements REDI

Location: Morrison Road

Date: February 13, 2020

Item No.	Description	Unit Cost	Unit	QTY	Total Cost
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Section 1 - Erosion Control

1.1	Construction Entrance	\$ 10,000.00	LS	1	\$ 10,000.00
1.2	Erosion Control (Silt Fencing)	\$ 10.00	LF	1,500	\$ 15,000.00
1.3	Temporary Check Dam	\$ 1,000.00	EA	10	\$ 10,000.00
1.4	Topsoil Pile Temporary Seed	\$ 6,000.00	LS	1	\$ 6,000.00
Sub-Total Section 1:					\$ 41,000.00

Section 2 - Water Service

2.1	Connection to Watermain	\$ 3,000.00	EA	1	\$ 3,000.00
2.2	2" HDPE Water Service	\$ 30.00	LF	150	\$ 4,500.00
2.3	Meter Pit/Meter	\$ 4,000.00	LS	1	\$ 4,000.00
2.4	2" Curb Stop & Box	\$ 750.00	EA	1	\$ 750.00
2.5	2" Corp Stop & Box	\$ 750.00	LS	1	\$ 750.00
2.6	Fire Hydrant	\$ 7,000.00	EA	1	\$ 7,000.00
Sub-Total Section 2:					\$ 20,000.00

Section 3 - Stormwater

3.1	12" SICPP Culvert	\$ 30.00	LF	120	\$ 3,600.00
3.2	4" Roof Leaders	\$ 30.00	LF	80	\$ 2,400.00
3.3	Rain Garden	\$ 25.00	SF	2,000	\$ 50,000.00
Sub-Total Section 3:					\$ 56,000.00

Section 4 - Sanitary/Leach field

4.1	Leach Field	\$ 18,000.00	LS	1	\$ 18,000.00
4.2	4" PVC	\$ 30.00	LF	100	\$ 3,000.00
4.3	Septic Tank	\$ 10,000.00	LS	1	\$ 10,000.00
Sub-Total Section 4:					\$ 31,000.00

Section 5 - Electrical

5.1	Electrical Service	\$ 12,000.00	LS	1	\$ 12,000.00
5.2	Underground Conduits	\$ 20.00	LF	700	\$ 14,000.00
5.3	Park Safety Lights	\$ 2,000.00	EA	6	\$ 12,000.00
5.4	Security Cameras	\$ 2,000.00	EA	2	\$ 4,000.00
Sub-Total Section 5:					\$ 42,000.00

Section 6 - Road/Parking/Pavement Items

6.1	1.5" Topping with 3" Binder Course	\$ 8.00	SF	7,000	\$ 56,000.00
6.2	12" Crusher Run Stone	\$ 2.00	SF	7,000	\$ 14,000.00
6.3	Painting Striping	\$ 3,000.00	LS	1	\$ 3,000.00
6.4	Gravel Horse/Buggy Parking	\$ 30.00	SF	500	\$ 15,000.00
6.5	Geotextile Fabric	\$ 1.00	SF	7,000	\$ 7,000.00
Sub-Total Section 6:					\$ 95,000.00

Section 7 - Pavilion						
7.1	Open Air Pavilion (50' x 60')	\$ 100.00	SF	3,000	\$	300,000.00
7.2	Site Grading	\$ 6.00	CY	1,500	\$	9,000.00
7.3	Fire Place (add on)	\$ 15,000.00	LS	1	\$	15,000.00
7.4	Bathroom (2 Room add on)	\$ 60,000.00	LS	1	\$	60,000.00
7.5	Pavilion Electrical (add on)	\$ 10,000.00	LS	1	\$	10,000.00
Sub-Total Section 7:						\$ 394,000.00

Section 8 - Trail						
8.1	Garbage Can	\$ 1,000.00	EA	3	\$	3,000.00
8.2	Park Benches	\$ 1,000.00	EA	6	\$	6,000.00
8.3	Environmental Signage	\$ 500.00	EA	4	\$	2,000.00
8.4	Bike Rack	\$ 800.00	EA	1	\$	800.00
8.5	Native Plantings	\$ 325.00	EA	8	\$	2,600.00
8.6	Tree Planting	\$ 1,000.00	EA	6	\$	6,000.00
8.7	Tree/Stump Removal	\$ 800.00	EA	12	\$	9,600.00
8.8	Stone Dust Trail (10' Wide)	\$ 25.00	LF	1,800	\$	45,000.00
Sub-Total Section 8:						\$ 75,000.00

Section 9 - Breakwater						
9.1	Stone Armor	\$ 220.00	CY	1500	\$	330,000.00
9.2	Sheet Piles	\$ 900.00	LF	300	\$	270,000.00
9.3	Concrete	\$ 250.00	CY	100	\$	25,000.00
9.4	Railings	\$ 15,000.00	LS	1	\$	15,000.00
Sub-Total Section 9:						\$ 640,000.00

Section 10 - Park Activities						
10.1	Kayak Boat Launch	\$ 40,000.00	LS	1	\$	40,000.00
10.2	Dock Ramp	\$ 20,000.00	LS	1	\$	20,000.00
10.3	Park Sign	\$ 1,500.00	LS	1	\$	1,500.00
10.4	Playground Fence	\$ 30.00	LF	150	\$	4,500.00
10.5	ADA Compliant Playground	\$ 200,000.00	LS	1	\$	200,000.00
Sub-Total Section 10:						\$ 266,000.00

Sub-Total Construction Costs (Items 1-10): \$ 1,660,000.00

Front End Costs (Mobil, Demobilize, Insurance, Bonding, etc.) (12%): \$ 200,000.00

Total Estimated Construction Cost \$ 1,860,000.00

Engineering, 20% \$ 372,000.00

Legal & Admin., 5% \$ 93,000.00

Contingency, 11% \$ 205,000.00

Total Cost \$ 2,530,000.00

REDI Grant 95% Total Cost \$ 2,403,500.00

Local Match 5% \$ 126,500.00

Local Grant (Lyndonville Area Foundation) \$ 100,000.00

Local In-Kind Service (Highway Department Labor and Equipment) \$ 26,500.00

Total Debt \$ 0.00

Annual Water & Electric Costs \$ 100.00

Annual Cost Insurance Costs \$ 1,500.00

Annual Portable Bathroom Cost (Deduct) \$ (1,500.00)

Annual Bathroom Cleaning/Septic Tank Costs \$ 800.00

Annual Operation, Maintenance and Repair Costs \$ 600.00

Total Annual O & M Costs = \$ 1,500.00

Yearly Debt per \$1,000 of Assessed Property Value = **\$ 0.01**