

Ruekert & Mielke
updated cost estimates
5-2023

ESTIMATED CONSTRUCTION COST						
Project Name: Underwood Creek Daylighting						
Client Name: Village of Elm Grove						
Project # 38-10014.100						
					Date Modified:	5/17/2023
Item No.	Description	Unit	Quantity	Unit Price	Total	Item Notes
1	Mobilization, Demobilization and Site Preparation	LS	1	\$ 100,000.00	\$ 100,000.00	20 City Average
2	Sign and Lighting Removal	LS	1	\$ 15,000.00	\$ 15,000.00	ENR CCI in Jan 2019 = 11,206
3	Clearing and Grubbing	LS	1	\$ 26,000.00	\$ 26,000.00	ENR CCI in May 2023 = 13,288
4	Asphalt Removal	LS	1	\$ 45,000.00	\$ 45,000.00	Factor = 1.186
5	Soil Characterization for Proper Disposal	LS	1	\$ 32,000.00	\$ 32,000.00	
6	Soil Excavation, Grading and Disposal - Common	CY	15,750	\$ 20.00	\$ 315,000.00	Chicago
7	Soil Excavation, Grading and Disposal - Contaminated	CY	5,250	\$ 90.00	\$ 472,500.00	ENR CCI in Jan 2019 = 15,872.75
8	Retaining Wall W1	SF	5,000	\$ 70.00	\$ 350,000.00	ENR CCI in May 2023 = 19,732.17
9	Retaining Wall W2	SF	4,200	\$ 70.00	\$ 294,000.00	Factor = 1.274
10	Retaining Wall W3	SF	1,700	\$ 65.00	\$ 110,500.00	
11	Concrete Arch Culvert	LS	1	\$ 510,000.00	\$ 510,000.00	
12	Wall Street Roadway	SY	200	\$ 63.00	\$ 12,600.00	
13	Concrete Curb and Gutter	LF	190	\$ 30.00	\$ 5,700.00	
14	Concrete Sidewalk	SY	1,250	\$ 45.00	\$ 56,250.00	
15	Subpavement Material (Channel Bed Base)	Ton	1,080	\$ 25.00	\$ 27,000.00	
16	Riffle Material	Ton	840	\$ 60.00	\$ 50,400.00	
17	Glide Material	Ton	170	\$ 55.00	\$ 9,350.00	
18	Run Material	Ton	290	\$ 65.00	\$ 18,850.00	
19	Heavy Riprap	Ton	460	\$ 100.00	\$ 46,000.00	
20	Toewood With Double Coir Soil Lifts	LF	470	\$ 270.00	\$ 126,900.00	
21	Landscape Boulders	EA	20	\$ 525.00	\$ 10,500.00	
22	Stone Weir	LS	1	\$ 12,500.00	\$ 12,500.00	
23	Topsoil	Ton	1,220	\$ 30.00	\$ 36,600.00	
24	Native Seeding - Zones A&B	SY	1,525	\$ 8.00	\$ 12,200.00	
25	Native Seeding - Zone C	SY	5,300	\$ 8.00	\$ 42,400.00	
26	Native Seeding - Zone D	SY	2,500	\$ 4.00	\$ 10,000.00	
27	Live Stakes	EA	1,500	\$ 5.00	\$ 7,500.00	
28	Shrubs	EA	500	\$ 45.00	\$ 22,500.00	
29	Trees	EA	25	\$ 300.00	\$ 7,500.00	
30	Culvert/Channel Removal and Abandonment (WTPR to Sendiks)	LS	1	\$ 25,000.00	\$ 25,000.00	
31	Culvert Abandonment With Flowable Fill (Beneath Sendiks)	LS	1	\$ 90,000.00	\$ 90,000.00	
32	Stream Channel Abandonment (Downstream of Sendiks)	LS	1	\$ 20,000.00	\$ 20,000.00	
33	Storm Sewer Pipe RCP 18-Inch	LF	202	\$ 650.00	\$ 131,300.00	
34	Storm Sewer Pipe RCP 24-Inch	LF	74	\$ 650.00	\$ 48,100.00	
35	Storm Sewer Pipe RCP 30-Inch	LF	71	\$ 660.00	\$ 46,860.00	
36	Storm Sewer Pipe RCP 36-Inch	LF	242	\$ 185.00	\$ 44,770.00	
37	Storm Sewer Pipe RCP 42-Inch	LF	219	\$ 210.00	\$ 45,990.00	
38	42-Inch Concrete Apron Endwall	EA	1	\$ 2,500.00	\$ 2,500.00	
39	Storm Sewer Manhole 48-Inch	EA	3	\$ 2,500.00	\$ 7,500.00	
40	Storm Sewer Manhole 60-Inch	EA	3	\$ 3,500.00	\$ 10,500.00	
41	Storm Sewer Manhole 72-Inch	EA	1	\$ 4,500.00	\$ 4,500.00	
42	Sign and Lighting Reinstallation	LS	1	\$ 13,000.00	\$ 13,000.00	
43	Parking Lot Asphalt Paving	SY	1,460	\$ 45.00	\$ 65,700.00	
				Subtotal Construction =	\$3,340,470.00	
				Contingency (10%) =	\$ 334,047.00	
				Estimated Total Project Cost =	\$ 3,674,517.00	

ESTIMATED CONSTRUCTION COST

Stantech 2019 cost estimates

Project Name: Underwood Creek Daylighting

Client Name: Village of Elm Grove

Project # 38-10014.100

Date Modified: 1/10/2019

Item No.	Description	Unit	Quantity	Unit Price	Total	Item Notes
1	Mobilization, Demobilization and Site Preparation	LS	1	\$ 80,000.00	\$ 80,000.00	
2	Sign and Lighting Removal	LS	1	\$ 10,000.00	\$ 10,000.00	
3	Cleearing and Grubbing	LS	1	\$ 20,520.00	\$ 20,520.00	
4	Asphalt Removal	LS	1	\$ 33,500.00	\$ 33,500.00	
5	Soil Characterization for Proper Disposal	LS	1	\$ 25,000.00	\$ 25,000.00	
6	Soil Excavation, Grading and Disposal - Common	CY	15,750	\$ 15.00	\$ 236,250.00	
7	Soil Excavation, Grading and Disposal - Contaminated	CY	5,250	\$ 70.00	\$ 367,500.00	
8	Retaining Wall W1	SF	5,000	\$ 55.00	\$ 275,000.00	
9	Retaining Wall W2	SF	4,200	\$ 55.00	\$ 231,000.00	
10	Retaining Wall W3	SF	1,700	\$ 50.00	\$ 85,000.00	
11	Concrete Arch Culvert	LS	1	\$ 400,000.00	\$ 400,000.00	
12	Wall Street Roadway	SY	200	\$ 22.00	\$ 4,400.00	
13	Concrete Curb and Gutter	LF	190	\$ 18.00	\$ 3,420.00	
14	Concrete Sidewalk	SY	1,250	\$ 4.50	\$ 5,625.00	
15	Subpavement Material (Channel Bed Base)	Ton	1,080	\$ 15.00	\$ 16,200.00	
16	Riffle Material	Ton	840	\$ 30.00	\$ 25,200.00	
17	Glide Material	Ton	170	\$ 30.00	\$ 5,100.00	
18	Run Material	Ton	290	\$ 30.00	\$ 8,700.00	
19	Heavy Riprap	Ton	460	\$ 40.00	\$ 18,400.00	
20	Toewood With Double Coir Soil Lifts	LF	470	\$ 150.00	\$ 70,500.00	
21	Landscape Boulders	EA	20	\$ 300.00	\$ 6,000.00	
22	Stone Weir	LS	1	\$ 7,000.00	\$ 7,000.00	
23	Topsoil	Ton	1,220	\$ 20.00	\$ 24,400.00	
24	Native Seeding - Zones A&B	SY	1,525	\$ 6.00	\$ 9,150.00	
25	Native Seeding - Zone C	SY	5,300	\$ 6.00	\$ 31,800.00	
26	Native Seeding - Zone D	SY	2,500	\$ 3.00	\$ 7,500.00	
27	Live Stakes	EA	1,500	\$ 4.00	\$ 6,000.00	
28	Shrubs	EA	500	\$ 30.00	\$ 15,000.00	
29	Trees	EA	25	\$ 250.00	\$ 6,250.00	
30	Culvert/Channel Removal and Abandonment (WTPR to Sendiks)	LS	1	\$ 20,000.00	\$ 20,000.00	
31	Culvert Abandonment With Flowable Fill (Beneath Sendiks)	LS	1	\$ 70,000.00	\$ 70,000.00	
32	Stream Channel Abandonment (Downstream of Sendiks)	LS	1	\$ 16,260.00	\$ 16,260.00	
33	Storm Sewer Pipe RCP 18-Inch	LF	202	\$ 510.00	\$ 103,020.00	
34	Storm Sewer Pipe RCP 24-Inch	LF	74	\$ 510.00	\$ 37,740.00	
35	Storm Sewer Pipe RCP 30-Inch	LF	71	\$ 515.00	\$ 36,565.00	
36	Storm Sewer Pipe RCP 36-Inch	LF	242	\$ 85.00	\$ 20,570.00	
37	Storm Sewer Pipe RCP 42-Inch	LF	219	\$ 95.00	\$ 20,805.00	
38	42-Inch Concrete Apron Endwall	EA	1	\$ 1,000.00	\$ 1,000.00	
39	Storm Sewer Manhole 48-Inch	EA	3	\$ 1,800.00	\$ 5,400.00	
40	Storm Sewer Manhole 60-Inch	EA	3	\$ 2,500.00	\$ 7,500.00	
41	Storm Sewer Manhole 72-Inch	EA	1	\$ 3,300.00	\$ 3,300.00	
42	Sign and Lighting Reinstallation	LS	1	\$ 10,000.00	\$ 10,000.00	
43	Parking Lot Asphalt Paving	SY	1,460	\$ 22.00	\$ 32,120.00	
				Subtotal Construction =	\$2,418,695.00	