

City of Lansing
Engineers Estimate of Probable Project Costs

PROJECT INFORMATION

PROJECT:	McIntyre Sewer Extension	DATE:	April 28, 2023
PROJECT NO.:	15053	PROJECT MANAGER:	Nick Kleekamp
PROJECT PHASE:	Base Bid	PREPARED FOR:	City of Lansing

Item No.	Description	Units	Quantity	Unit Price	Extension
General					
1	Mobilization	LS	1	\$87,500	\$87,500
2	Clearing and Grubbing	LS	1	\$175,000	\$175,000
3	Testing	LS	1	\$52,500	\$52,500
4	Construction Staking	LS	1	\$35,000	\$35,000
5	Traffic Control	LS	1	\$17,500	\$17,500
6	By-Pass Pumping	LS	1	\$10,000	\$10,000
7	Standard 4' Manholes (up to 8' depth)	EA	5	\$6,000	\$30,000
8	Standard 5' Manholes (up to 8' depth)	EA	6	\$7,000	\$42,000
9	4' Manhole (beyond 8' depth)	VF	22	\$150	\$3,300
10	5' Manhole (beyond 8' depth)	VF	63	\$190	\$11,970
11	21" PVC Sanitary Sewer	LF	608	\$182	\$110,261
12	30" PVC Sanitary Sewer	LF	1,177	\$386	\$454,525
13	20" CIOD PVC Sanitary Sewer	LF	814	\$195	\$158,759
14	20" Long-Span DIP (Restrained Joint Aerial Sewer Crossing)	LF	120	\$485	\$58,200
15	Aerial Sewer Crossing Supports	LS	1	\$50,000	\$50,000
16	36" Steel Casing w/ 21" PVC Carrier	LF	276	\$1,700	\$468,350
17	Impervious Ditch Check	CY	28	\$100	\$2,800
18	Trench & Backfill (8'-10')	LF	320	\$50	\$15,840
19	Trench & Backfill (10'-12')	LF	580	\$55	\$31,610
20	Trench & Backfill (12'-14')	LF	250	\$61	\$15,125
21	Trench & Backfill (14'-16')	LF	660	\$77	\$50,490
22	Trench & Backfill (16'-18')	LF	200	\$85	\$16,900
23	Trench & Backfill (18'-20')	LF	580	\$108	\$62,350
24	Erosion Control	LS	1	\$20,000	\$20,000
25	Stream Crossing #1	LS	1	\$40,000	\$40,000
26	Stream Crossing #2	LS	1	\$60,000	\$60,000
27	Temporary Seeding	AC	3	\$2,000	\$6,000
28	Permanent Seeding	AC	6	\$3,250	\$20,475
29	Sod	SY	1,110	\$6	\$6,660
30	Pavement Repair	SY	53	\$70	\$3,710
31	Aggregate Driveway Repair	SY	50	\$30	\$1,500
32	AB3 Backfill	CY	80	\$45	\$3,600
33	Temporary Fencing	LS	1	\$1,500	\$1,500
34	Wire Fence (permanent)	LF	240	\$10.00	\$2,400
35	Connection to existing manhole	EA	1	\$2,000	\$2,000

		Construction:	\$2,127,825
		Contingency (%): 10%	\$212,790
		Total	\$2,340,615
Rounded:			\$2,341,000