

ENGINEER'S ESTIMATE

8/12/2016

2016 SANITARY SEWER REHABILITATION

CITY OF WINDOM, MINNESOTA
BMI PROJECT NO.: F18.112135

ITEM NO.	ESTIMATE QUANTITIES ITEM	QTY	UNIT	UNIT PRICE	TOTAL
1	MOBILIZATION	1	LS	\$50,000.00	\$50,000.00
2	TRAFFIC CONTROL	1	LS	\$5,000.00	\$5,000.00
3	CLEAR & GRUB	0.5	AC	\$5,000.00	\$2,500.00
4	REMOVE SANITARY MANHOLES	8	EA	\$250.00	\$2,000.00
5	REMOVE SANITARY SEWER PIPE	2220	LF	\$2.00	\$4,440.00
6	REMOVE VERMICULITE CONCRETE	5	CY	\$200.00	\$1,000.00
7	DEWATERING	2220	LF	\$5.00	\$11,100.00
8	BITUMINOUS PATCH	550	SY	\$25.00	\$13,750.00
9	CONCRETE DRIVEWAY PATCH	155	SY	\$50.00	\$7,750.00
10	AGGREGATE SURFACING, CLASS 2	175	TON	\$25.00	\$4,375.00
11	GRANULAR FOUNDATION	200	CY	\$20.00	\$4,000.00
12	COURSE AGGREGATE BEDDING	200	CY	\$25.00	\$5,000.00
13	GRANULAR BACKFILL	1200	CY	\$15.00	\$18,000.00
14	CONNECT TO EXISTING SANITARY	4	EA	\$250.00	\$1,000.00
15	8" PVC, SDR 35 SANITARY SEWER PIPE	26	LF	\$30.00	\$780.00
16	10" PVC, SDR 35 SANITARY SEWER PIPE	401	LF	\$32.00	\$12,832.00
17	12" PVC, SDR 35 SANITARY SEWER PIPE	20	LF	\$35.00	\$700.00
18	15" PVC, SDR 35 SANITARY SEWER PIPE	5	LF	\$37.00	\$185.00
19	18" PVC, PS 46 SANITARY SEWER PIPE	1799	LF	\$40.00	\$71,960.00
20	RECONNECT SANITARY SERVICE	1	EA	\$350.00	\$350.00
21	8" GATE VALVE & BOX	1	EA	\$2,000.00	\$2,000.00
22	8" OUTSIDE DROP	8.4	LF	\$100.00	\$840.00
23	C.I.P.P. LINING, 8" SANITARY SEWER MAIN	315	LF	\$50.00	\$15,750.00
24	C.I.P.P. LINING, 15" SANITARY SEWER MAIN	350	LF	\$55.00	\$19,250.00
25	C.I.P.P. LINING, 18" SANITARY SEWER MAIN	1174	LF	\$70.00	\$82,180.00
26	C.I.P.P. LINING, 21" SANITARY SEWER MAIN	905	LF	\$75.00	\$67,875.00
27	REINSTATE SANITARY SERVICE	7	EA	\$200.00	\$1,400.00
28	CONSTRUCT 48" SANITARY MANHOLE, DESIGN 4007	73.0	LF	\$250.00	\$18,250.00
29	CONSTRUCT 72" SANITARY MONITORING MANHOLE	1	EA	\$40,000.00	\$40,000.00
30	CONSTRUCT 96" SANITARY MONITORING MANHOLE	1	EA	\$50,000.00	\$50,000.00
31	SANITARY MANHOLE I & I BARRIER	7	EA	\$175.00	\$1,225.00
32	CASTING ASSEMBLY, R-1733-G	7	EA	\$600.00	\$4,200.00
33	SANITARY MANHOLE LINING	117	LF	\$400.00	\$46,800.00
34	SANITARY SEWER BYPASS PUMPING	1	LS	\$2,500.00	\$2,500.00
35	SAMPLING STATION BUILDING	1	EA	\$25,000.00	\$25,000.00
36	3/4" PE WATER SERVICE	250	LF	\$15.00	\$3,750.00
37	8" X 3/4" TAPPING SADDLE & CORP STOP	1	EA	\$300.00	\$300.00
38	3/4" CURB STOP & BOX	1	EA	\$200.00	\$200.00
39	RANDOM RIPRAP, CLASS II	32	TON	\$55.00	\$1,760.00
40	STABILIZED CONSTRUCTION EXIT	1	EA	\$750.00	\$750.00
41	SILT FENCE	1430	LF	\$2.00	\$2,860.00
42	INLET PROTECTION	1	EA	\$150.00	\$150.00
43	DITCH CHECK - BIOROLL	70	LF	\$5.00	\$350.00
44	EROSION CONTROL BLANKETS CATEGORY 3	375	SY	\$3.00	\$1,125.00
45	SEED, MULCH & FERTILIZE	2	ACRE	\$1,500.00	\$3,000.00
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TOTAL AMOUNT:

\$608,237.00