



# ENGINEER'S ESTIMATE

WEDGEWOOD VALLEY STORMWATER IMPROVEMENTS (PHASE ONE)  
TOWN OF SHELBY, WISCONSIN  
BMI PROJECT NO.: 0H1.126854

10/14/2024

ITEM NO.	ITEM	QTY	UNIT	UNIT PRICE	TOTAL
<b>SURFACE IMPROVEMENTS</b>					
1	MOBILIZATION	1	EACH	\$ 35,000.00	\$ 35,000.00
2	CLEARING (TREE)	4	EACH	\$ 1,200.00	\$ 4,800.00
3	GRUBBING (TREE)	4	EACH	\$ 1,200.00	\$ 4,800.00
4	MOVING SMALL SIGN SUPPORTS	3	EACH	\$ 500.00	\$ 1,500.00
5	MOVING MAILBOX	14	EACH	\$ 200.00	\$ 2,800.00
6	SAWING CONCRETE	172	L F	\$ 4.50	\$ 774.00
7	SAWING ASPHALT	2044	L F	\$ 4.50	\$ 9,198.00
8	REMOVING CURB & GUTTER	1659	L F	\$ 6.00	\$ 9,954.00
9	REMOVE CONCRETE PAVEMENT	477	S Y	\$ 7.00	\$ 3,339.00
10	REMOVE ASPHALTIC SURFACE	928	S Y	\$ 6.00	\$ 5,568.00
11	EXCAVATION COMMON	978	C Y	\$ 20.00	\$ 19,560.00
12	BASE AGGREGATE DENSE 3/4-INCH	45	TON	\$ 50.00	\$ 2,250.00
13	EXPLORATORY EXCAVATION	10	HOURS	\$ 400.00	\$ 4,000.00
14	ASPHALT PATCHING SPECIAL	273	S Y	\$ 100.00	\$ 27,300.00
15	TACK COAT	53	GAL	\$ 3.00	\$ 159.00
16	HMA PAVEMENT 4 LT 58-28 S	114	TON	\$ 100.00	\$ 11,400.00
17	CONCRETE CURB AND GUTTER 30-INCH TYPE D	14	L F	\$ 50.00	\$ 700.00
18	CONCRETE DRIVEWAY 6-INCH	482	S Y	\$ 82.00	\$ 39,524.00
19	TRAFFIC CONTROL	1	EACH	\$ 5,000.00	\$ 5,000.00
20	EROSION CONTROL SUPERVISOR	1	EACH	\$ 2,500.00	\$ 2,500.00
21	EROSION MAT CLASS III TYPE D	120	SY	\$ 30.00	\$ 3,600.00
22	INLET PROTECTION TYPE D	37	EACH	\$ 250.00	\$ 9,250.00
23	TEMPORARY DITCH CHECKS	750	L F	\$ 4.00	\$ 3,000.00
24	TOPSOIL	155	C Y	\$ 50.00	\$ 7,750.00
25	SOD LAWN	3070	S Y	\$ 12.50	\$ 38,375.00
26	SOD WATER	450	MGAL	\$ 30.00	\$ 13,500.00
27	SOIL STABILIZER TYPE A	0.50	ACRE	\$ 5,000.00	\$ 2,500.00
28	LANDSCAPE & CONSTRUCTION ALLOWANCE	35000	UNIT	\$ 1.00	\$ 35,000.00
				<b>SUBTOTAL:</b>	<b>\$303,101.00</b>
<b>SANITARY SEWER</b>					
29	RELOCATE SANITARY SERVICE PIPE	10	EACH	\$ 1,500.00	\$ 15,000.00
30	4" POLYSTYRENE INSULATION	30	S Y	\$ 60.00	\$ 1,800.00
				<b>SUBTOTAL:</b>	<b>\$16,800.00</b>
<b>WATERMAIN</b>					
31	RELOCATE WATER SERVICE PIPE	10	EACH	\$ 1,500.00	\$ 15,000.00
32	4" POLYSTYRENE INSULATION	30	S Y	\$ 60.00	\$ 1,800.00
				<b>SUBTOTAL:</b>	<b>\$16,800.00</b>



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ITEM NO.	ITEM	QTY	UNIT	UNIT PRICE	TOTAL
<b>STORM SEWER</b>					
33	REMOVING MANHOLES	9	EACH	\$ 700.00	\$ 6,300.00
34	REMOVING CATCH BASINS	1	EACH	\$ 700.00	\$ 700.00
35	REMOVING STORM SEWER (15"-18")	716	LF	\$ 15.00	\$ 10,740.00
36	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 18-INCH	12	LF	\$ 100.00	\$ 1,200.00
37	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 24-INCH	689	LF	\$ 130.00	\$ 89,570.00
38	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 30-INCH	855	LF	\$ 165.00	\$ 141,075.00
39	STORM SEWER PIPE REINFORCED CONCRETE CLASS III 36-INCH	76	LF	\$ 215.00	\$ 16,340.00
40	CONNECT TO EXISTING STORM SEWER	4	EACH	\$ 1,200.00	\$ 4,800.00
41	PIPE UNDERDRAIN WRAPPED 8-INCH	63	LF	\$ 50.00	\$ 3,150.00
42	CULVERT PIPE CORRUGATED STEEL 15-INCH	8	LF	\$ 160.00	\$ 1,280.00
43	INLET COVERS TYPE H	1	EACH	\$ 1,200.00	\$ 1,200.00
44	INLET COVERS TYPE C	17	EACH	\$ 1,200.00	\$ 20,400.00
45	RECONSTRUCTING INLETS	3	EACH	\$ 1,000.00	\$ 3,000.00
46	CHIMNEY SEAL	15	EACH	\$ 200.00	\$ 3,000.00
47	MANHOLE 4-FT DIAMETER	4	EACH	\$ 3,500.00	\$ 14,000.00
48	CATCH BASIN 5-FT DIAMETER	1	EACH	\$ 3,500.00	\$ 3,500.00
49	MANHOLES 5-FT DIAMETER	7	EACH	\$ 4,800.00	\$ 33,600.00
50	MANHOLES 6-FT DIAMETER	1	EACH	\$ 5,500.00	\$ 5,500.00
51	MANHOLES 7-FT DIAMETER	2	EACH	\$ 6,750.00	\$ 13,500.00
<b>SUBTOTAL:</b>					<b>\$372,855.00</b>

<b>SUBTOTAL:</b>	\$709,556.00
CONTINGENCIES (2%):	\$14,200.00
<b>TOTAL ESTIMATED CONSTRUCTION COST:</b>	<b>\$723,756.00</b>
DESIGN ENGINEERING:	\$70,200.00
CONSTRUCTION STAKING:	\$10,000.00
<b>ESTIMATED TOTAL PROJECT COST*:</b>	<b>\$803,956.00</b>

<b>CONCRETE DEBRIS TRAP - ALTERNATE 1</b>					
52	MOBILIZATION	1	EACH	\$ 5,000.00	\$ 5,000.00
53	EXCAVATION COMMON	365	CY	\$ 20.00	\$ 7,300.00
54	BASE AGGREGATE OPEN-GRADED	170	TON	\$ 65.00	\$ 11,050.00
55	CAST IN PLACE CONCRETE	1430	SF	\$ 26.00	\$ 37,180.00
56	BEAVER BUSTER STORM GRATE	2	EACH	\$ 2,000.00	\$ 4,000.00
57	TOP STORM GRATE	1	EACH	\$ 2,500.00	\$ 2,500.00
58	PILING STEEL HP 10-INCH X 42 LB	60	LF	\$ 130.00	\$ 7,800.00
59	RIPRAP EXTRA-HEAVY	200	TON	\$ 90.00	\$ 18,000.00
60	GEOTEXTILE TYPE HR	350	SY	\$ 4.00	\$ 1,400.00
<b>SUBTOTAL:</b>					<b>\$94,230.00</b>

<b>ALTERNATE 1 TOTAL ESTIMATED CONSTRUCTION COST:</b>	\$94,230.00
ALTERNATE 1 DESIGN ENGINEERING:	\$30,000.00
<b>ALTERNATE 1 ESTIMATED TOTAL PROJECT COST*:</b>	<b>\$124,230.00</b>

<b>TOTAL PROJECT COST SUMMARY</b>	
ESTIMATED TOTAL PROJECT COST*:	\$803,956.00
ALTERNATE 1 ESTIMATED TOTAL PROJECT COST*:	\$124,230.00
ESTIMATED RIGHT OF WAY COST:	\$20,000.00
<b>GRAND TOTAL ESTIMATED PROJECT COST*:</b>	<b>\$948,186.00</b>

\* Assumes City performs construction contract administration and inspection