

MUNSON TOWNSHIP WASTE WATER TREATMENT SYSTEM
MUNSON TOWNSHIP, GEAUGA COUNTY, OHIO
Engineer's Estimate: \$132,000.00

ITEM NUMBER	ITEM DESCRIPTION	CONTRACT QUANTITY	UNIT	MARUT & SONS				AUBURN BAINBRIDGE EXCAV.				
				UNIT PRICE LABOR	UNIT PRICE MATERIAL	TOTAL UNIT PRICE	EXTENDED TOTALS	UNIT PRICE LABOR	UNIT PRICE MATERIAL	TOTAL UNIT PRICE	EXTENDED TOTALS	
Electrical Services												
EL-1	Installation and connection of new underground electrical service from fire station to pump station, provision for connection to future Town Hall, and pump station control panel, connected and ready for service	1	LS	\$5,000.00	\$3,300.00	\$8,300.00	\$8,300.00	\$500.00	\$700.00	\$1,200.00	\$1,200.00	
EL-2	Installation and connection of new underground electrical service from Ex. Service Building to Control Panels for Alarm Panel, Drip Pumps, and Flow Equalization Pumps connected and ready for service	1	LS	1000.00	1000.00	\$2,000.00	\$2,000.00	500.00	200.00	\$700.00	\$700.00	
EL-3	Installation and connection of all wiring necessary for the operation of the remote zone valves and the remote zone valve heaters	1	LS	1000.00	1000.00	\$2,000.00	\$2,000.00	N/A	N/A	\$0.00	\$0.00	
EL-4	Electrical Permits and Inspections	1	LS	0.00	500.00	\$500.00	\$500.00	300.00	250.00	\$550.00	\$550.00	
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				SUBTOTAL - ELECTRICAL:				\$12,800.00	SUBTOTAL - ELECTRICAL:			
									\$2,450.00			
Sanitary Sewers & Septic System												
SAN-1	6" Sanitary Sewer	736	LF	2.76	4.44	\$7.20	\$5,299.20	13.50	8.25	\$21.75	\$16,008.00	
SAN-2	8" Sanitary Sewer Replacement / Remove Ex. 6"	77	LF	12.99	10.39	\$23.38	\$1,800.26	13.50	9.80	\$23.30	\$1,794.10	
SAN-3	Modifications/Connections to Ex. Septic Tank for 8" Inlet and 6" Outlet	1	LS	1000.00	500.00	\$1,500.00	\$1,500.00	500.00	0.00	\$500.00	\$500.00	
SAN-4	Remove Ex. Manhole / Replace with Clean out Manhole	1	EA	2000.00	2000.00	\$4,000.00	\$4,000.00	3000.00	1625.00	\$4,625.00	\$4,625.00	
SAN-5	Sanitary Manhole	1	EA	0.00	2000.00	\$2,000.00	\$2,000.00	2000.00	1050.00	\$3,050.00	\$3,050.00	
SAN-6	Sanitary Pump Station Complete	1	LS	5330.00	5430.00	\$10,760.00	\$10,760.00	1500.00	7900.00	\$9,400.00	\$9,400.00	
SAN-7	2" PVC Forcemain with Fittings and tracer tape	1	LS	1000.00	2000.00	\$3,000.00	\$3,000.00	2000.00	360.00	\$2,360.00	\$2,360.00	
SAN-8	Clean out installed in existing sanitary	1	LS	500.00	0.00	\$500.00	\$500.00	120.00	25.00	\$145.00	\$145.00	
SAN-9	1050 Gallon Trash Trap and piping, installed and ready for service	1	LS	1000.00	1200.00	\$2,200.00	\$2,200.00	600.00	1200.00	\$1,800.00	\$1,800.00	
SAN-10	1500 Gallon Flow Equalization Tank and piping, installed and ready for service	1	LS	1000.00	1500.00	\$2,500.00	\$2,500.00	600.00	2800.00	\$3,400.00	\$3,400.00	
SAN-11	1500 gpd Multi-Flow aeration suspended media treatment tank and piping, installed and ready for service	1	LS	1000.00	7030.00	\$8,030.00	\$8,030.00	600.00	6875.00	\$7,475.00	\$7,475.00	
SAN-12	Drip Pump Station (2) complete, installed and ready for service	1	LS	3000.00	3000.00	\$6,000.00	\$6,000.00	600.00	5200.00	\$5,800.00	\$5,800.00	
SAN-13	Septic System Control/Alarm Panel complete, installed and ready for service	1	LS	1000.00	3500.00	\$4,500.00	\$4,500.00	600.00	2800.00	\$3,400.00	\$3,400.00	
SAN-14	Control Panel for Equilization complete, installed and ready for service	1	LS	1000.00	3500.00	\$4,500.00	\$4,500.00	600.00	480.00	\$1,080.00	\$1,080.00	
SAN-15	Hydraulic unit for Drip System complete, installed and ready for service	1	LS	2000.00	5000.00	\$7,000.00	\$7,000.00	600.00	2800.00	\$3,400.00	\$3,400.00	
SAN-16	1.25" PVC supply line and fittings from hydraulic unit to drip field complete, installed and ready for service	1	LS	1000.00	1000.00	\$2,000.00	\$2,000.00	600.00	300.00	\$900.00	\$900.00	
SAN-17	1" PVC common return line and fittings from drip fields to hydraulic unit complete, installed and ready for service	1	LS	1000.00	1000.00	\$2,000.00	\$2,000.00	600.00	300.00	\$900.00	\$900.00	
SAN-18	Plowed in drip zones complete, installed and ready for service. Includes all fittings, header pipes, drip tubing, check valves, zone valves, heaters, air release valves, zone valves, etc. This item includes all tree or brush removal and disposal as necessary for installation, in accordance with Geauga Health Department Regulations	1	LS	9000.00	1000.00	\$10,000.00	\$10,000.00	5000.00	5800.00	\$10,800.00	\$10,800.00	
SAN-19	4" underdrain from area of hydraulic unit to ditch area and ditch grading as necessary	1	LS	200.00	200.00	\$400.00	\$400.00	1000.00	750.00	\$1,750.00	\$1,750.00	
SAN-20	6" PVC Sanitary from existing inlet of existing septic system serving the service facility to the new trash trap complete	1	LS	200.00	100.00	\$300.00	\$300.00	270.00	165.00	\$435.00	\$435.00	
SAN-21	Abandon existng forcemain	1	LS	0.00	0.00	\$0.00	NO COST	240.00	30.00	\$270.00	\$270.00	
SAN-22	Abandon/remove existing pump station	1	LS	0.00	0.00	\$0.00	NO COST	500.00	30.00	\$530.00	\$530.00	
SAN-23	Abandon existng septic riser	1	LS	200.00	0.00	\$200.00	\$200.00	240.00	0.00	\$240.00	\$240.00	
SAN-24	Abandon existng Distribution Box	1	LS	200.00	0.00	\$200.00	\$200.00	240.00	0.00	\$240.00	\$240.00	
SAN-25	Abandon existing leach field	1	LS	300.00	0.00	\$300.00	\$300.00	240.00	0.00	\$240.00	\$240.00	
SAN-26	Permits and Inspections Septic System	1	LS	1000.00	0.00	\$1,000.00	\$1,000.00	2000.00	700.00	\$2,700.00	\$2,700.00	
SAN-27	Septic System As-Built	1	LS	400.00	0.00	\$400.00	\$400.00	2500.00	100.00	\$2,600.00	\$2,600.00	
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				SUBTOTAL - SEWERS/SEPTIC SYS.:				\$80,389.46	SUBTOTAL - SEWERS/SEPTIC SYS.:			
									\$85,842.10			
Miscellaneous												
S-1	Proposed 10' Gravel Driveway	1	LS	1000.00	2000.00	\$3,000.00	\$3,000.00	3000.00	3000.00	\$6,000.00	\$6,000.00	
S-2	Restoration, fine grading, and seeding	1	LS	4000.00	4000.00	\$8,000.00	\$8,000.00	3500.00	4250.00	\$7,750.00	\$7,750.00	
S-3	Mobilization & Bonds	1	LS	500.00	0.00	\$500.00	\$500.00	3000.00	3500.00	\$6,500.00	\$6,500.00	
S-4	Erosion Control	1	LS	500.00	0.00	\$500.00	\$500.00	500.00	250.00	\$750.00	\$750.00	
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				SUBTOTAL - MISCELLANEOUS:				\$12,000.00	SUBTOTAL - MISCELLANEOUS:			
									\$21,000.00			
				TOTAL CONTRACT BID:				\$105,189.46	TOTAL CONTRACT BID:			
								\$105,190.00	\$109,292.10			
<div style="border: 1px solid black; padding: 5px; width: fit-content; margin: 0 auto;"> QUOTED FOR AS 1500 Suspended Aeration Process treatment tank </div>												

MUNSON TOWNSHIP WASTE WATER TREATMENT SYSTEM
MUNSON TOWNSHIP, GEAUGA COUNTY, OHIO
Engineer's Estimate: \$132,000.00

ITEM NUMBER	ITEM DESCRIPTION	CONTRACT QUANTITY	UNIT	MR. EXCAVATOR				CUE EXCAVATING			
				UNIT PRICE LABOR	UNIT PRICE MATERIAL	TOTAL UNIT PRICE	EXTENDED TOTALS	UNIT PRICE LABOR	UNIT PRICE MATERIAL	TOTAL UNIT PRICE	EXTENDED TOTALS
Electrical Services											
EL-1	Installation and connection of new underground electrical service from fire station to pump station, provision for connection to future Town Hall, and pump station control panel, connected and ready for service	1	LS	\$3,986.10	\$4,871.90	\$8,858.00	\$8,858.00	\$3,822.00	\$5,208.00	\$9,030.00	\$9,030.00
EL-2	Installation and connection of new underground electrical service from Ex. Service Building to Control Panels for Alarm Panel, Drip Pumps, and Flow Equalization Pumps connected and ready for service	1	LS	3314.00	4050.50	\$7,364.50	\$7,364.50	5018.00	3130.00	\$8,148.00	\$8,148.00
EL-3	Installation and connection of all wiring necessary for the operation of the remote zone valves and the remote zone valve heaters	1	LS	2804.20	3427.30	\$6,231.50	\$6,231.50	4822.00	2730.00	\$7,552.00	\$7,552.00
EL-4	Electrical Permits and Inspections	1	LS	370.80	453.20	\$824.00	\$824.00	520.00	280.00	\$800.00	\$800.00
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				SUBTOTAL - ELECTRICAL:				SUBTOTAL - ELECTRICAL:			
				\$23,278.00				\$25,530.00			
Sanitary Sewers & Septic System											
SAN-1	6" Sanitary Sewer	736	LF	5.00	4.92	\$9.92	\$7,301.12	15.50	10.00	\$25.50	\$18,768.00
SAN-2	8" Sanitary Sewer Replacement / Remove Ex. 6"	77	LF	8.00	10.22	\$18.22	\$1,402.94	15.50	12.00	\$27.50	\$2,117.50
SAN-3	Modifications/Connections to Ex. Septic Tank for 8" Inlet and 6" Outlet	1	LS	800.00	233.29	\$1,033.29	\$1,033.29	365.00	25.00	\$390.00	\$390.00
SAN-4	Remove Ex. Manhole / Replace with Clean out Manhole	1	EA	1028.20	1256.75	\$2,284.95	\$2,284.95	1245.00	750.00	\$1,995.00	\$1,995.00
SAN-5	Sanitary Manhole	1	EA	897.10	1096.49	\$1,993.59	\$1,993.59	1445.00	1500.00	\$2,945.00	\$2,945.00
SAN-6	Sanitary Pump Station Complete	1	LS	5000.00	12221.24	\$17,221.24	\$17,221.24	1760.00	11730.00	\$13,490.00	\$13,490.00
SAN-7	2" PVC Forcemain with Fittings and tracer tape	1	LS	1500.00	1976.16	\$3,476.16	\$3,476.16	1997.00	660.00	\$2,657.00	\$2,657.00
SAN-8	Clean out installed in existing sanitary	1	LS	116.10	141.95	\$258.05	\$258.05	610.00	75.00	\$685.00	\$685.00
SAN-9	1050 Gallon Trash Trap and piping, installed and ready for service	1	LS	2389.20	2920.05	\$5,309.25	\$5,309.25	1220.00	1750.00	\$2,970.00	\$2,970.00
SAN-10	1500 Gallon Flow Equalization Tank and piping, installed and ready for service	1	LS	2201.40	2690.50	\$4,891.90	\$4,891.90	1740.00	2190.00	\$3,930.00	\$3,930.00
SAN-11	1500 gpd Multi-Flow aeration suspended media treatment tank and piping, installed and ready for service	1	LS	4540.30	5549.18	\$10,089.48	\$10,089.48	2260.00	8000.00	\$10,260.00	\$10,260.00
SAN-12	Drip Pump Station (2) complete, installed and ready for service	1	LS	4414.90	5396.05	\$9,810.95	\$9,810.95	2440.00	4880.00	\$7,320.00	\$7,320.00
SAN-13	Septic System Control/Alarm Panel complete, installed and ready for service	1	LS	2062.60	2520.90	\$4,583.50	\$4,583.50	610.00	6860.00	\$7,470.00	\$7,470.00
SAN-14	Control Panel for Equilization complete, installed and ready for service	1	LS	1023.40	1250.84	\$2,274.24	\$2,274.24	610.00	1890.00	\$2,500.00	\$2,500.00
SAN-15	Hydraulic unit for Drip System complete, installed and ready for service	1	LS	1390.50	1699.50	\$3,090.00	\$3,090.00	960.00	3250.00	\$4,210.00	\$4,210.00
SAN-16	1.25" PVC supply line and fittings from hydraulic unit to drip field complete, installed and ready for service	1	LS	742.50	907.50	\$1,650.00	\$1,650.00	1170.00	1890.00	\$3,060.00	\$3,060.00
SAN-17	1" PVC common return line and fittings from drip fields to hydraulic unit complete, installed and ready for service	1	LS	720.00	880.00	\$1,600.00	\$1,600.00	1170.00	1380.00	\$2,550.00	\$2,550.00
SAN-18	Plowed in drip zones complete, installed and ready for service. Includes all fittings, header pipes, drip tubing, check valves, zone valves, heaters, air release valves, zone valves, etc. This item includes all tree or brush removal and disposal as necessary for installation, in accordance with Geauga Health Department Regulations	1	LS	8500.00	2486.27	\$10,986.27	\$10,986.27	9800.00	4620.00	\$14,420.00	\$14,420.00
SAN-19	4" underdrain from area of hydraulic unit to ditch area and ditch grading as necessary	1	LS	395.10	482.90	\$878.00	\$878.00	950.00	570.00	\$1,520.00	\$1,520.00
SAN-20	6" PVC Sanitary from existing inlet of existing septic system serving the service facility to the new trash trap complete	1	LS	72.60	88.70	\$161.30	\$161.30	390.00	78.00	\$468.00	\$468.00
SAN-21	Abandon existng forcemain	1	LS	47.30	57.85	\$105.15	\$105.15	110.00	20.00	\$130.00	\$130.00
SAN-22	Abandon/remove existing pump station	1	LS	437.60	534.80	\$972.40	\$972.40	960.00	370.00	\$1,330.00	\$1,330.00
SAN-23	Abandon existng septic riser	1	LS	47.30	57.85	\$105.15	\$105.15	540.00	350.00	\$890.00	\$890.00
SAN-24	Abandon existng Distribution Box	1	LS	49.60	60.70	\$110.30	\$110.30	215.00	100.00	\$315.00	\$315.00
SAN-25	Abandon existing leach field	1	LS	45.00	55.00	\$100.00	\$100.00	280.00	75.00	\$355.00	\$355.00
SAN-26	Permits and Inspections Septic System	1	LS	1001.20	1223.60	\$2,224.80	\$2,224.80	0.00	0.00	\$0.00	\$0.00
SAN-27	Septic System As-Built	1	LS	1000.00	0.00	\$1,000.00	\$1,000.00	260.00	55.00	\$315.00	\$315.00
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				SUBTOTAL - SEWERS/SEPTIC SYS.:				SUBTOTAL - SEWERS/SEPTIC SYS.:			
				\$94,914.03				\$107,060.50			
Miscellaneous											
S-1	Proposed 10' Gravel Driveway	1	LS	1617.40	1976.72	\$3,594.12	\$3,594.12	1540.00	6500.00	\$8,040.00	\$8,040.00
S-2	Restoration, fine grading, and seeding	1	LS	510.60	624.07	\$1,134.67	\$1,134.67	5760.00	1155.00	\$6,915.00	\$6,915.00
S-3	Mobilization & Bonds	1	LS	2280.00	0.00	\$2,280.00	\$2,280.00	4415.00	0.00	\$4,415.00	\$4,415.00
S-4	Erosion Control	1	LS	750.00	1000.00	\$1,750.00	\$1,750.00	left blank	left blank	left blank	left blank
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				SUBTOTAL - MISCELLANEOUS:				SUBTOTAL - MISCELLANEOUS:			
				\$8,758.79				\$19,370.00			
				TOTAL CONTRACT BID:				TOTAL CONTRACT BID:			
				\$126,950.82				\$151,960.50			
				\$126,950.82				\$151,960.50			

Exceeds 10% of Engineer's Estimate