



SUMMARY

Flathead County Septage Treatment and Biosolids Composting Facility

Preliminary Design

Date : 3/8/2023

CLASS 3 OPINION OF PROBABLE CONSTRUCTION COST

Item	Units	Number	Cost / Unit	Subtotal
Site Improvements				
Clearing and Grubbing	SF	249,000	\$0.21	\$52,912.50
Excavation	CY	34,100	\$8.50	\$289,850.00
Asphalt	TON	2,740	\$46.75	\$128,095.00
Aggregate Base	CY	4,600	\$12.75	\$58,650.00
Aggregate Subbase	CY	5,600	\$8.50	\$47,600.00
Structural Concrete (Foundations)	CY	1,800	\$680.00	\$1,224,000.00
Non-Structural Concrete (Sidewalk, etc)	CY	30	\$425.00	\$12,750.00
Treatment Buildings	SF	96,000	\$50.00	\$4,800,000.00
Office Building	SF	1,500	\$150.00	\$225,000.00
Aerated Static Piles	SF	24,600	\$1.28	\$31,365.00
Striping	LF	360	\$2.55	\$918.00
Weigh Scale and Building	EA	1	\$80,000.00	\$80,000.00
Fence	LF	3,200	\$8.50	\$27,200.00
Gate	EA	1	\$8,500.00	\$8,500.00
Trees	EA	100	\$127.50	\$12,750.00
Landscaping	SF	21,800	\$1.00	\$21,800.00
Utility Improvements				
Domestic Water Well	LS	1	\$21,250.00	\$21,250.00
Irrigation	LS	1	\$8,500.00	\$8,500.00
Dry Utilities	LS	1	\$42,500.00	\$42,500.00
(4-in) SDR 26 Force Main (LCWSD)	LF	5,800	\$23.80	\$138,040.00
Wiley Dike Road Improvements				
Asphalt	TON	4,398	\$46.75	\$205,622.08
Aggregate Base	CY	11,235	\$42.50	\$477,469.14
Excavation	CY	14,605	\$21.25	\$310,354.94
Striping	LF	9,000	\$2.55	\$22,950.00
Equipment				
Blower	EA	33	\$4,250.00	\$140,250.00
Septage Receiving Station	EA	1	\$127,500.00	\$127,500.00
Treatment Facility	GAL	25	\$60,000.00	\$1,500,000.00
Covered Equalization Tank	EA	2	\$21,250.00	\$42,500.00
Pumping Station	EA	2	\$170,000.00	\$340,000.00
Screw Press (Dewatering)	EA	1	\$255,000.00	\$255,000.00
Biofilters	EA	4	\$8,500.00	\$34,000.00
Subtotal				\$10,687,327
Mobilization/Demobilization, 3%				\$320,620
Field Overhead, 5%				\$534,366
Insurance & Bonds, 1.5%				\$160,310
Montana Contractor Tax, 1%				\$106,873
Contractors Profit, 10%				\$1,068,733
Contingency, 20%				\$2,137,465
Engineering and Permitting				\$1,500,000
Construction Services				\$1,500,000
Land Acquisition, Fixed				\$1,500,000
LCWSD Connection Fee, Fixed				\$1,833,730
	Cat 950	EA	1	\$250,000.00
	Bobcat S76	EA	1	\$60,000.00
	8-foot Auger	EA	1	\$25,000.00
	Woodchipper	EA	1	\$50,000.00
	SSI Model 600 Mixer (ECS 575 cubic feet)	EA	1	\$150,000.00
	Pickup Truck	EA	1	\$50,000.00
	Resource Recovery Inc. Model 100 Trommel Screen	EA	1	\$75,000.00
				-20%
Class 3 Cost Estimate Range (-20%, +30%)				\$17,607,000
				+30%
				\$22,009,000
				\$28,612,000