

**PRELIMINARY PROBABLE ESTIMATE OF COST
WASTEWATER COLLECTION SYSTEM
GREEN VALLEY SANITARY DISTRICT
PRESSURE SYSTEM
L20-03-096.02
April 2024**

ITEM NO.	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	Extended Amount
1	Mobilization	1	LS	\$273,100.00	\$273,100.00
2	Material Testing (Quality Control)	1	LS	\$50,000.00	\$50,000.00
3	Dewatering	1	LS	\$80,000.00	\$80,000.00
4	Topsoil Stripping	53,240	SY	\$2.90	\$154,396.00
5	1-1/4" Sanitary Sewer Pipe (Open Trench)	16,368	LF	\$35.00	\$572,880.00
6	2" Sanitary Sewer Pipe (Directional Drill)	16,278	LF	\$25.00	\$406,950.00
7	3" Sanitary Sewer Pipe (Directional Drill)	14,725	LF	\$30.00	\$441,750.00
8	4" Sanitary Sewer Pipe (Directional Drill)	8,029	LF	\$45.00	\$361,305.00
9	6" Sanitary Sewer Pipe (Directional Drill)	2,199	LF	\$65.00	\$142,935.00
10	DH071-93 Pump including Tank, Air-tight Lid, Lateral Kits, & Alarm	284	EA	\$12,000.00	\$3,408,000.00
11	Air/Vacuum Release Valve	15	EA	\$10,000.00	\$150,000.00
12	Clean Out	50	EA	\$1,000.00	\$50,000.00
13	Abandon Septics & Connect	284	EA	\$2,000.00	\$568,000.00
14	Connect to Existing Sewer Main	1	EA	\$2,000.00	\$2,000.00
15	Seeding and Fertilizing	11	AC	\$4,000.00	\$44,000.00
16	Culverts, Remove & Reset	1	LS	\$5,500.00	\$5,500.00
17	Traffic Control	1	LS	\$20,000.00	\$20,000.00
18	Erosion Control	1	LS	\$30,000.00	\$30,000.00
19	Residential Electrical Home Upgrade	284	EA	\$1,200.00	\$340,800.00
	CONSTRUCTION COSTS SUB-TOTAL				\$6,760,816.00
	10% CONTINGENCY				\$676,081.60
	CONSTRUCTION COSTS TOTAL				\$7,436,900.00
	OTHER INITIAL COSTS				
	ENGINEERING STUDY & REPORT				\$205,000.00
	ENGINEERING PRELIMINARY DESIGN				\$186,000.00
	ENGINEERING FINAL DESIGN				\$280,000.00
	BIDDING SERVICES				\$16,000.00
	CONSTRUCTION ADMINISTRATION				\$185,000.00
	POST CONSTRUCTION				\$9,000.00
	RESIDENT PROJECT REPRESENTATIVE				\$785,000.00
	ADDITIONAL SERVICES				\$162,000.00
	LEGAL AND ADMINISTRATION (0.5% OF PRELIMINARY OPINION OF PROBABLE CONSTRUCTION COST)				\$37,000.00
	INTERIM FINANCING INTEREST (65% OF A 6.57% INTEREST RATE OF THE TOTAL PRELIMINARY OPINION OF PROBABLE PROJECT COST FOR 2 CONSTRUCTION SEASONS) (AS OF 2/1/2024)				\$798,200.00
	OTHER INITIAL COSTS-SUBTOTAL				\$2,663,200.00
	OPERATIONS & MAINTENANCE COSTS				
	ANNUAL FINANCIAL AUDIT (5 YEARS)				\$50,000.00
	ANNUAL OPERATIONS & MAINTENANCE COSTS-SUBTOTAL				\$50,000.00
	TOTAL PROJECT COSTS				\$10,150,100.00

\$10,100,100.00

\$9,351,900.00

Notes: Engineer's opinions of probable Construction Cost are to be made on the basis of Engineer's experience and qualifications and represent Engineer's estimate as an experienced and qualified professional generally familiar with the construction industry. However, because Engineer has no control over the cost of labor, materials, equipment, or services furnished by others, or over contractors' methods of determining prices, or over competitive bidding or market conditions, Engineer cannot and does not guarantee that proposals, bids, or actual Construction Cost will not vary from opinions of probable Construction Cost prepared by Engineer.



			Current Grant			-\$5,125,000.00
Probable Estimate of Cost	\$10,150,100.00					
Current Awarded Grant Funds	(\$5,125,000.00)					
		0.90	0.80	0.70	0.60	
Probable Estimate of Cost after Grant Funds	\$5,025,100.00	\$4,522,590.00	\$4,020,080.00	\$3,517,570.00	\$3,015,060.00	
Accumulated Interest over 40-years (3%)	\$3,609,656.09	3,248,690.00	2,887,724.00	2,526,759.00	2,165,793.00	
Probable Estimate of Cost to be Assessed	\$8,634,756.09	\$7,771,280.00	\$6,907,804.00	\$6,044,329.00	\$5,180,853.00	
Amount per Assessment (284 Properties)	\$30,404.07	\$27,363.66	\$24,323.25	\$21,282.85	\$18,242.44	
Amount per Assessment per Year (40 Years)	\$760.10	\$684.09	\$608.08	\$532.07	\$456.06	
Amount per Assessment per Month	\$63.34	\$57.01	\$50.67	\$44.34	\$38.01	
Annual Assessment per User	\$760.10	\$684.09	\$608.08	\$532.07	\$456.06	
Assessed over 10 Years	\$76.01	\$68.41	\$60.81	\$53.21	\$45.61	
Monthly Cost per User	\$6.33	\$5.70	\$5.07	\$4.43	\$3.80	
Assumed Monthly Sewer Bill	\$45.66	\$45.66	\$45.66	\$45.66	\$45.66	
Estimated Monthly Cost per User	\$115.34	\$108.37	\$101.40	\$94.43	\$87.47	