

Sopris Village Water & Irrigation System

Prepared By: Scott Forrester, PE

Date: December 14, 2021

Owner: Sopris Village HOA

Description	Unit	Quantity	Unit Cost	Cost
New Potable Water System				
Mobilization (10%) ¹	10%	1	\$206,020.00	\$206,020.00
Traffic control	LS	1	\$20,000.00	\$20,000.00
8" DIP, Class 52	LF	6,890	\$150.00	\$1,033,500.00
Tie Into Existing Water Line	EA	2	\$4,000.00	\$8,000.00
8" Gate Valve	EA	36	\$2,000.00	\$72,000.00
8" DIP Fittings	EA	22	\$700.00	\$15,400.00
0.75" Potable Water Tap and Service Line ^{2,3}	EA	130	\$5,500.00	\$715,000.00
Fire Hydrant Assembly	EA	18	\$7,500.00	\$135,000.00
4" Curb and Gutter Replacement	LF	1,540	\$25.00	\$38,500.00
4" Concrete Valley Pan Replacement	SY	80	\$160.00	\$12,800.00
Erosion Control	LS	1	\$10,000.00	\$10,000.00
Contingency		30%		\$679,866.00
			Sub-Total	\$2,946,086.00
New Raw Water Irrigation System				
Mobilization (10%) ¹	10%	1	\$61,396.00	\$61,396.00
Tie Into Raw Water Wells	EA	2	\$4,000.00	\$8,000.00
6" SDR-21 Gasketed PVC	LF	6,886	\$60.00	\$413,160.00
6" Gate Valve	EA	24	\$1,500.00	\$36,000.00
6" DIP Fittings	EA	26	\$550.00	\$14,300.00
1" Raw Water Tap and Service Line	EA	130	\$1,000.00	\$130,000.00
Irrigation Drywell	LS	1	\$12,500.00	\$12,500.00
Contingency		30%		\$202,606.80
			Sub-Total	\$877,962.80
New Asphalt Roads				
Mobilization (10%) ¹	10%	1	\$75,248.00	\$75,248.00
3" Asphalt Remove and Replace ^{4,5}	SY	23,515	\$32.00	\$752,480.00
Contingency		30%		\$248,318.40
			Sub-Total	\$1,076,046.40
			Total Hard Costs	\$4,900,095.20
Soft Costs				
Construction Engineering ^{6,7}				\$ 330,000.00
Construction Survey & As-Builts				\$ 50,000.00
Construction Geotech				\$ 15,000.00
			Total Soft Costs	\$395,000.00
			Total Cost	\$5,295,095.20

Notes:

1 - Assumes project is built in 2 phases, includes 2 mobilizations/demobilizations

2 - Includes meter and backflow preventer assembly

3 - Assumes no restoration of private property to be performed by contractor

4 - Full removal and replacement of asphalt on roads

5 - Assumes subgrade is in good shape and suitable for repaving

6 - Assumes bid assistance + 40 hour/week construction inspection, Apr. 15 through Oct. 31 for 2 years

7 - Billed on a time and materials basis

12/14/2021