



SCHLAGEL ASSOCIATES, P.A.

Engineers, Planners, Surveyors, Landscape Architects

**ENGINEER'S OPINION OF PROBABLE COST
WINTERSET VALLEY 12TH PLAT SANITARY**

August 31, 2018

SANITARY SEWERS

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	EXTENSION
1	10" PVC SDR 26	746.0	L.F.	54.00	\$40,284.00
2	8" PVC SDR 26	3,964.0	L.F.	45.00	\$178,380.00
3	8" DUCTILE IRON PIPE	86.0	L.F.	85.00	\$7,310.00
4	6" PVC SDR 26	1,516.0	L.F.	38.00	\$57,608.00
5	REINFORCED CONC. ENCASEMENT	36.0	L.F.	100.00	\$3,600.00
6	8" x 6" WYE	37.0	EA.	750.00	\$27,750.00
7	CLEANOUTS	6.0	EA.	1,550.00	\$9,300.00
8	STD 4' DIA MANHOLE	25.0	EA.	3,800.00	\$95,000.00
9	CONNECT TO EXISTING MANHOLE	1.0	EA.	1,700.00	\$1,700.00
10	EXTRA DEPTH IN MANHOLE	99.0	V.F.	150.00	\$14,850.00
11	ROCK EXCAVATION	1,700.0	C.Y.	50.00	\$85,000.00
12	COMPACTION TESTING	1.0	L.S.	3,500.00	\$3,500.00
13	CLEARING AND GRUBBING	1.0	L.S.	10,000.00	\$10,000.00
14	PREBLAST SURVEY (IF REQUIRED)	1.0	L.S.	3,000.00	\$3,000.00
15	BONDS	1.0	L.S.	3,000.00	\$3,000.00
16	EROSION CONTROL	1.0	L.S.	5,000.00	\$5,000.00
				TOTAL	\$504,998.00

Disclaimers:

- 1 Since Engineer has no control over the cost of labor, materials, or equipment, or over contractor's(s') methods of determining prices, or over competitive bidding or market conditions, the estimate of construction cost and schedule provided for herein is to be made on the basis of Engineer's experience and qualifications and represents Engineer's best judgment as a professional engineer familiar with the construction industry. Engineer cannot and does not guarantee that the bids or the Project construction cost or schedule will not vary from the Engineer's Opinion of Probable Cost and schedule prepared by Engineer.
- 2 Cost estimate based on quantities provided by others and based on average unit prices from projects bid in 2017.
- 3 Estimate assumes little if any rock excavation.