

**OPINION OF PROBABLE COST**

**Warger Associates, LLC**  
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Date: August 22nd 2016

*REVISED 9/24/16*

Project: Napa Valley 3rd Public Water Improvements  
 Project Number: 402-01

Item	Units	Quantity	Unit Costs	Costs
1 8" PVC AWWA C900 / C909	LF	1861	\$65.00	\$120,965.00
2 8"x8"x8" Tee	EA	2	\$550.00	\$1,100.00
3 8"x8"x6" Tee	EA	2	\$500.00	\$1,000.00
4 8"x6" Reducer	EA	2	\$100.00	\$200.00
5 12" x 8" Reducer	EA	0	\$125.00	\$0.00
6 8" Gate Valve	EA	4	\$325.00	\$1,300.00
7 8" 22.5 Degree Bend	EA	2	\$150.00	\$300.00
8 8" 11.25 Degree Bend	EA	14	\$150.00	\$2,100.00
9 6" 90 Degree Bend	EA	4	\$125.00	\$500.00
10 6" Gate Valve	EA	4	\$275.00	\$1,100.00
11 Fire Hydrant Assembly	EA	4	\$3,000.00	\$12,000.00
12 Connect to Existing Water Main	EA	2	\$1,500.00	\$3,000.00

**\*Construction Total: \$143,565.00**

\*The Engineer, using their professional judgement, has developed this stated Opinion of Probable Construction Cost based upon the design status identified above. Development of this Opinion has included consideration of design input level; however, the circumstances under which the work is expected to be undertaken, the cost and availability of materials, labor and services, probable bidder response and the economic conditions at the time of bid solicitation are beyond the control of the Engineer and will impact actual bid costs. Should bidding be delayed, these costs should be reviewed, and if necessary, adjusted to a more applicable cost index.

