



**BLACKWELL RESERVE
PUBLIC WATERLINE
ENGINEER'S OPINION OF PROBABLE COST**

September 6, 2023

09.06.2023

ITEM	QUANTITY	UNIT	UNIT PRICE	EXTENSION
WATER MAIN				
1	CONNECT TO EXISTING WATER MAIN	2	EA	\$ 4,000.00 \$ 8,000.00
2	INSTALL 8" C900 DR18 PVC WATER MAIN	2,015	LF	\$ 70.00 \$ 141,050.00
3	INSTALL 8" C900 DR18 PVC WATER MAIN (RESTRAINED JOINTS)	22	EA	\$ 90.00 \$ 1,980.00
4	INSTALL 8" x 6" TEE W/ THRUST BLOCK	4	EA	\$ 1,200.00 \$ 4,800.00
5	INSTALL 8" x 8" TEE W/ THRUST BLOCK	1	EA	\$ 1,500.00 \$ 1,500.00
6	INSTALL 12" x 8" TEE W/ THRUST BLOCK	1	EA	\$ 1,800.00 \$ 1,800.00
7	INSTALL 8" 11.25° DIP BEND W/ THRUST BLOCK	7	EA	\$ 2,000.00 \$ 14,000.00
8	INSTALL 8" 11.25° DIP VERTICAL BEND W/ THRUST BLOCK	2	EA	\$ 2,000.00 \$ 4,000.00
9	INSTALL 8" 22.5° DIP BEND W/ THRUST BLOCK	2	EA	\$ 2,000.00 \$ 4,000.00
10	INSTALL 8" 45° DIP BEND W/ THRUST BLOCK	5	EA	\$ 2,000.00 \$ 10,000.00
11	INSTALL 8" GATE VALVE	5	EA	\$ 1,800.00 \$ 9,000.00
12	INSTALL 12" GATE VALVE	1	EA	\$ 2,000.00 \$ 2,000.00
13	INSTALL FIRE HYDRANT ASSEMBLY	4	EA	\$ 5,400.00 \$ 21,600.00
14	REMOVE END OF LINE TEMPORARY FIRE HYDRANT ASSEMBLY	2	EA	\$ 1,200.00 \$ 2,400.00
15	REMOVE END OF LINE TEMPORARY 8" x 6" REDUCER	2	EA	\$ 1,000.00 \$ 2,000.00
SUBTOTAL:				\$ 228,130.00
GRAND TOTAL:				\$ 228,130.00

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, but 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 The Engineer's Opinion of Probable Cost is based upon reasonable assumptions from a conceptual plan.
- 3 The format of this document may not be the same as the final format used to obtain competitive bids.
- 4 Any use of this document other than for preliminary cost analysis is not recommended.