



**Engineer's Estimate of Probable Costs  
Chambers & Hess  
Town of Parker, Colorado  
May 6, 2020**

This Engineer's Estimate of Probable Costs is based upon the "Douglas 234, Filing No. 6, Water & Sewer Improvement Plans" prepared by Rick Engineering Company, dated May 6, 2020. Since Rick Engineering Company has no control over the cost of labor, materials, equipment or services furnished by others, the Contractor's methods of determining prices, over competitive bidding or market conditions, the Engineer's Estimate of Probable Costs is based on Rick Engineering Company's best judgement as an experienced and qualified professional engineer familiar with the construction industry; however, Rick Engineering Company cannot, and does not guarantee that proposals, bids or actual construction costs will not vary from the Estimate of Probable Cost.

**Assumptions:**

- Quantities are rounded to the nearest whole number.
- Breakdown of cost is based on the "Douglas 234, Filing No. 6, Water & Sewer Improvement Plans" prepared by Rick Engineering Company, dated April 14, 2020.
- Construction will be completed in one phase.

**Exclusions:**

- Any utility improvements other than water & sewer improvements to be owned and maintained by Parker Water & Sanitation District.
- Any public or private roadway improvements.
- Any traffic signal improvements or improvements to S. Chambers Road, Hess Road or S Red Sky Drive.
- Any on-site stormwater detention or water quality improvements.
- Environmental costs.
- Soft costs.
- Reimbursement costs.
- Temporary traffic controls.
- Pedestrian lighting.
- Geotechnical costs.
- Water or sewer tap fees.
- Development phasing costs.

**Douglas 234, Filing No. 6**  
**Water & Sewer Improvement Plans**  
**Engineer's Estimate of Probable Costs**

Work Area	Improvement Item	Unit	Unit Cost	Quantity	Total Cost
<b>WATER IMPROVEMENTS</b>					
<b>PUBLIC</b>	8" Water Main (PVC)	LIN FT	\$ 52.00	1,232	\$ 64,064
	Connection to Existing	EACH	\$ 2,500.00	2	\$ 5,000
	Tees	EACH	\$ 1,000.00	2	\$ 2,000
	Bends	EACH	\$ 900.00	8	\$ 7,200
	Gate Valves	EACH	\$ 5,000.00	2	\$ 10,000
	Low Point Blow Offs	EACH	\$ 2,500.00	2	\$ 5,000
	Fire Hydrants	EACH	\$ 8,000.00	4	\$ 32,000
					\$ 125,264
				<b>WATER IMPROVEMENTS SUBTOTAL</b>	<b>\$ 125,264</b>
<b>SEWER IMPROVEMENTS</b>					
<b>PUBLIC</b>	8" Sewer Main (PVC)	LIN FT	\$ 40.00	1,183	\$ 47,320
	Sewer Manhole (4')	EACH	\$ 5,300.00	8	\$ 42,400
					\$ 89,720
				<b>SEWER IMPROVEMENTS SUBTOTAL</b>	<b>\$ 89,720</b>
				<b>FILING NO. 6 SUBTOTAL</b>	<b>\$ 214,984</b>
				<b>20% CONTINGENCY</b>	<b>\$ 42,997</b>
				<b>FILING NO. 6 TOTAL</b>	<b>\$ 257,981</b>