

**ENGINEER'S BUDGETARY OPINION OF PROBABLE COST**  
**WELL AND TRANSMISSION MAIN IMPROVEMENTS**  
**CRETE, NEBRASKA**  
**JEO PROJECT NO. 210597.00**

Date Prepared:  
 July 28, 2023



**ESTIMATE OF QUANTITIES**

Item #	Description	Unit	Quantity	Unit Price	Total	
<b>GROUP A - INSTALL WELL</b>						
1.	Mobilization	LS	1	\$50,000.00	\$50,000	
2.	Bonding and Insurance	LS	1	\$15,000.00	\$15,000	
3.	Drill 28" Bore Hole	VF	150	\$100.00	\$15,000	
4.	16" PVC Casing	VF	125	\$150.00	\$18,750	
5.	16" SS Screen (80 Slot)	VF	25	\$450.00	\$11,250	
6.	Gravel Pack	LS	1	\$7,500.00	\$7,500	
7.	Bentonite, Grout, Develop & Disinfect Well	LS	1	\$15,000.00	\$15,000	
8.	Step Drawdown and Constant Rate Pump Testing	HOUR	30	\$250.00	\$7,500	
9.	Plumbness and Alignment Test	LS	1	\$1,500.00	\$1,500	
10.	Water Quality Testing (NE)	LS	1	\$7,500.00	\$7,500	
11.	Submersible Pump, Motor, Drop Pipe, Check Valve, etc., Compl	LS	1	\$50,000.00	\$50,000	
12.	Level Transducer and Air Line, Complete	LS	1	\$2,500.00	\$2,500	
13.	Discharge Piping	LS	1	\$30,000.00	\$30,000	
14.	Magnetic Flow Meter	EA	1	\$5,000.00	\$5,000	
15.	Block Well Building, Complete	SF	220	\$900.00	\$198,000	
16.	Electrical and Controls	LS	1	\$75,000.00	\$75,000	
17.	8" PVC Water Main, DR 18	LF	200	\$70.00	\$14,000	
18.	Ductile Iron Fittings	LS	1	\$7,500.00	\$7,500	
19.	Gate Valves	LS	1	\$7,500.00	\$7,500	
20.	6" Fire Hydrant Assembly	EA	1	\$7,500.00	\$7,500	
21.	Well Site Improvements [Fence, Rock, Bollards, etc.]	LS	1	\$25,000.00	\$25,000	
22.	Erosion Control	LS	1	\$5,000.00	\$5,000	
23.	Seeding, Fertilizer, and Mulch	LS	1	\$5,000.00	\$5,000	
				Construction Subtotal	Group A	\$581,000
				Contingency	15%	\$87,150
				<b>Total Opinion of Construction Cost - Group A</b>		<b>\$668,150</b>
<b>GROUP B - INSTALL WATER TRANSMISSION MAIN</b>						
1.	Mobilization	LS	1	\$70,000.00	\$70,000	
2.	Bonding and Insurance	LS	1	\$20,000.00	\$20,000	
3.	12" PVC Water Main, DR 18	LF	2,050	\$85.00	\$174,250	
4.	12" PVC Water Main, DR 18, RJ, Directionally Bored	LF	500	\$150.00	\$75,000	
5.	Ductile Iron Fittings	LS	1	\$15,000.00	\$15,000	
6.	Gate Valves	LS	1	\$5,000.00	\$5,000	
7.	6" Fire Hydrant Assembly	EA	2	\$7,500.00	\$15,000	
8.	Connect to Existing Water Main	EA	1	\$2,500.00	\$2,500	
9.	Erosion Control	LS	1	\$5,000.00	\$5,000	
10.	Seeding, Fertilizer, and Mulch	LS	1	\$7,500.00	\$7,500	
				Construction Subtotal	Group B	\$389,250
				Contingency	15%	\$58,390
				<b>Total Opinion of Construction Cost - Group B</b>		<b>\$447,640</b>
				Construction Subtotal - All Groups		\$970,250
				Contingency		\$145,540
				<b>Total Opinion of Construction Cost - All Groups</b>		<b>\$1,115,790</b>
<b>ENGINEERING SERVICES AND PROPERTY ACQUISITIONS</b>						
1.	Engineering Services				\$185,000	
2.	Easement Acquisitions				\$30,000	
				Subtotal Engineering Services and Property Acquisition		\$215,000
				<b>Total Opinion of Project Cost</b>		<b>\$1,330,790</b>

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