

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
GROUP A - INSTALL WELL					
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	HOURL	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
Total Opinion of Construction Cost - Group A					\$668,150
GROUP B - INSTALL WATER TRANSMISSION MAIN					
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
Total Opinion of Construction Cost - Group B					\$447,640
Construction Subtotal - All Groups					\$970,250
Contingency					\$145,540
Total Opinion of Construction Cost - All Groups					\$1,115,790
ENGINEERING SERVICES AND PROPERTY ACQUISITIONS					
1.	Engineering Services				\$185,000
2.	Easement Acquisitions				\$30,000
Subtotal Engineering Services and Property Acquisition					\$215,000
Total Opinion of Project Cost					\$1,330,790

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