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**APPENDIX C**

**CANTRELL PUMP STATION AND FORCE MAIN**

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<b>CANTRELL PUMP STATION IMPROVEMENTS</b>		
<b>Item No</b>	<b>Description</b>	<b>Cost</b>
1	Mobilization / Demo	\$ 40,000.00
2	Site Preparation	\$ 5,000.00
3	Dewatering	\$ 40,000.00
4	Misc. Structural Reinforced Concrete	\$ 50,000.00
5	Building Repair & Roof	\$ 100,000.00
6	Building Structural	\$ 100,000.00
7	Piping	\$ 150,000.00
8	Electrical & Controls	\$ 850,000.00
9	Pumps	\$ 590,000.00
10	Bar Screen	\$ 820,000.00
11	Bar Screen Wet Well	\$ 900,000.00
12	Conveyor	\$ 50,000.00
13	Mechanical Installation	\$ 282,000.00
14	Generator 1 MW	\$ 600,000.00
15	Paintings and Coatings	\$ 250,000.00
16	Paving and Landscape	\$ 50,000.00
17	Fencing	\$ 75,000.00
18	Labor and Material Bond (1.4%)	\$ 70,000.00
19	Maintenance Bond (0.9%)	\$ 45,000.00
20	Contingency (15%)	\$ 760,000.00
25	Design Engineering & Construction Admin (12%)	\$ 700,000.00
<b>Total Project Cost</b>		<b>\$ 6,527,000.00</b>

**CANTRELL FORCE MAIN IMPROVEMENTS**

Item No	Description	Cost
1	Mobilization / Demo	\$ 40,000.00
2	Site Preparation	\$ 5,000.00
3	18" Force Main (4,000 LF @ \$250)	\$ 1,000,000.00
4	Meter Vault & Meter	\$ 100,000.00
5	Asphalt Pavement Repair (2,990 LF @ \$55)	\$ 164,000.00
6	Boring Street / RR X-ings (350 LF @ \$200)	\$ 70,000.00
7	SWPPP	\$ 10,000.00
8	Traffic Control Plan	\$ 20,000.00
9	Re-hab existing 30" FM (3,900 LF @ \$150)	\$ 585,000.00
10	Labor and Material Bond (1.4%)	\$ 28,000.00
11	Maintenance Bond (0.9%)	\$ 18,000.00
12	Contingency (15%)	\$ 299,000.00
13	Design Engineering & Construction Admin (12%)	\$ 275,000.00
	<b>Total Project Cost</b>	<b>\$ 2,614,000.00</b>

# CANTRELL FORCE MAIN



**Legend**

- PS CANTRELL PUMP STATION
- FORCE MAIN
- GRAVITY SEWER MAINS
- MANHOLES