

**PRELIMINARY ENGINEER'S ESTIMATE  
WATER AND SEWER EXTENSION  
PELICAN AVE (CR 4) SOUTH OF VERGAS  
VERGAS MN**

W:\Projects\City of Vergas-47174\2025-10043\Calculations\[Pelican Ave Extension Estimate 4-3-25.xlsm]UTILITY EXTENSION

April 3, 2025

**22' WIDE GRAVEL ROAD**

				Engineer's Estimate			
ITEM				CITY		DEVELOPER	
NO.	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	AMOUNT	QUANTITY	AMOUNT
<b>STREET</b>							
1	MOBILIZATION	LS	\$61,000.00	0.5	\$30,500.00	0.5	\$30,500.00
2	AGGREGATE BASE CL 5	CY	\$30.00	968.00	\$29,040.00	403.33	\$12,100.00
3	BITUMINOUS MIX	TON	\$95.00	0.00	\$0.00	0.00	\$0.00
4	BITUMINOUS REMOVAL	SY	\$3.50	0	\$0.00	0	\$0.00
5	SILT FENCE	LF	\$5.00	1500	\$7,500.00	500	\$2,500.00
6	TRAFFIC CONTROL	LS	\$2,500.00	0.5	\$1,250.00	0.5	\$1,250.00
7	WOOD FIBER BLANKET	SY	\$3.50	1333	\$4,665.50	556	\$1,946.00
8	TOPSOIL BORROW (LV)	C.Y.	\$30.00	175	\$5,250.00	75	\$2,250.00
9	TURF ESTABLISHMENT	LS	\$12,000.00	0.5	\$6,000.00	0.5	\$6,000.00
<b>TOTAL STREET</b>					<b>\$84,205.50</b>		<b>\$56,546.00</b>

<b>SANITARY</b>							
1	CONNECT TO EXISTING MANHOLE	EACH	\$1,500.00		\$0.00	1	\$1,500.00
2	6" PE FORCEMAIN - DIR BORE	L.F.	\$70.00		\$0.00	1300	\$91,000.00
3	4" PVC SERVICE PIPE	L.F.	\$50.00	495	\$24,750.00	231	\$11,550.00
4	8" PVC SANITARY SEWER	L.F.	\$65.00	1750	\$113,750.00	650	\$42,250.00
5	DIR BORE CASING	L.F.	\$250.00		\$0.00	80	\$20,000.00
6	STANDARD MANHOLE	EACH	\$5,000.00	5	\$25,000.00	3	\$15,000.00
7	8"X4" PVC SERVICE WYE & CLEANOUT	EACH	\$1,100.00	15	\$16,500.00	7	\$7,700.00
8	LIFT STATION	LS	\$300,000.00	0.50	\$150,000.00	0.50	\$150,000.00
9	INSULATION	SY	\$80.00	0	\$0.00	100	\$8,000.00
10	DEWATERING	LS	\$50,000.00	0.50	\$25,000.00	0.50	\$25,000.00
<b>TOTAL SEWER</b>					<b>\$355,000.00</b>		<b>\$372,000.00</b>

**WATERMAIN**

1	CONNECT TO EXISTING WATER	EACH	\$2,500.00		\$0.00	1	\$2,500.00
2	6" C900 PVC WATERMAIN - DIR BORE	L.F.	\$75.00	1400	\$105,000.00	1700	\$127,500.00
3	DIR BORE CASING	L.F.	\$250.00	0	\$0.00	80	\$20,000.00
4	4" C900 PVC WATERMAIN	LF	\$22.00	0	\$0.00	0	\$0.00
5	1" TAP SERVICE PIPE	L.F.	\$35.00	495	\$17,325.00	231	\$8,085.00
6	6" GATE VALVE	EACH	\$1,750.00	8	\$14,000.00	5	\$8,750.00
7	4" GATE VALVE	EACH	\$500.00	0	\$0.00	0	\$0.00
8	1" CORPORATION STOP	EACH	\$750.00	15	\$11,250.00	7	\$5,250.00
9	1" CURB STOP & BOX	EACH	\$750.00	15	\$11,250.00	7	\$5,250.00
10	FIRE HYDRANT	EACH	\$6,500.00	3	\$19,500.00	2	\$13,000.00
11	DEWATERING	EACH	\$2,500.00	0	\$0.00	7	\$17,500.00
12	FITTINGS	LB	\$15.00	800	\$12,000.00	1000	\$15,000.00
13							
<b>TOTAL WATER</b>					<b>\$190,325.00</b>		<b>\$222,835.00</b>

SUBTOTAL	\$629,530.50	SUBTOTAL	\$651,381.00
CONTINGEN	\$94,429.58	CONTINGENC	\$97,707.15
DESIGN ENC	\$56,657.75	DESIGN ENG	\$58,624.29
STAKING & I	\$56,657.75	STAKING & IN	\$58,624.29
<b>TOTAL</b>	<b>\$837,275.57</b>	<b>TOTAL</b>	<b>\$866,336.73</b>