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## TRAILS AT CROWFOOT FILING 2 ENGINEER'S ESTIMATE OF ANTICIPATED COSTS

<b>PROJECT:</b>	<b>TRAILS AT CROWFOOT FILING 2</b>	<b>ACREAGE:</b>	<b>22.164</b>
<b>CLIENT:</b>	<b>E5X MANAGEMENT</b>	<b>LOTS:</b>	<b>101</b>
<b>ESTIMATE PREPARED BY:</b>	<b>CVL CONSULTANTS OF COLORADO, INC.</b>	<b>JOB NUMBER:</b>	<b>283701</b>
		<b>PHASE:</b>	<b>FILING 2</b>
		<b>DATE:</b>	<b>12/5/2017</b>

### SANITARY SEWER

ITEM	DESCRIPTION	QUANTITY	UNIT	COST/UNIT	TOTAL COST
	8" SEWER (PVC)	4,479	L.F.	\$48.00	\$214,992.00
	12" SEWER (PVC)	0	L.F.	\$54.00	\$0.00
	18" SEWER (PVC)	0	L.F.	\$67.00	\$0.00
	4' DIA. MANHOLE	24	EA.	\$2,850.00	\$68,400.00
	5' DIA. MANHOLE	0	EA.	\$2,850.00	\$0.00
	STANDARD CLEANOUT	0	EA.	\$300.00	\$0.00
	DROP MANHOLE	0	EA.	\$5,000.00	\$0.00
	INTERMEDIATE PLATFORM	1	EA.	\$700.00	\$700.00
	4" SEWER SERVICE	101	EA.	\$1,615.00	\$163,115.00
	20" STEEL CASING	0	L.F.	\$2,000.00	\$0.00
	CONNECTION TO EXISTING MAIN	1	EA.	\$1,900.00	\$1,900.00
					<b>\$449,107.00</b>

### WATERLINE

ITEM	DESCRIPTION	QUANTITY	UNIT	COST/UNIT	TOTAL COST
	6" WATERPIPE (DIP)	168	L.F.	\$20.00	\$3,360.00
	8" WATERPIPE (PVC)	4,845	L.F.	\$39.00	\$188,955.00
	12" WATERPIPE (PVC)	0	L.F.	\$57.00	\$0.00
	16" WATERPIPE (DIP)	0	L.F.	\$77.60	\$0.00
	6" GATE VALVE	9	EA.	\$1,000.00	\$9,000.00
	8" GATE VALVE	20	EA.	\$1,750.00	\$35,000.00
	12" GATE VALVE	0	EA.	\$3,000.00	\$0.00
	16" BUTTERFLY VALVE	0	EA.	\$18,000.00	\$0.00
	8" MISC. FITTINGS	30	EA.	\$460.00	\$13,800.00
	12" MISC. FITTINGS	0	EA.	\$730.00	\$0.00
	16" MISC. FITTINGS	0	EA.	\$1,500.00	\$0.00
	AIR / VACUUM VALVE	0	EA.	\$6,700.00	\$0.00
	8" CAP WITH BLOW OFF	7	EA.	\$2,000.00	\$14,000.00
	2" BLOW OFF VALVE (8" LINE-LOW POINT)	1	EA.	\$2,000.00	\$2,000.00
	6" BLOW OFF VALVE (16" LINE-LOW POINT)	0	EA.	\$2,500.00	\$0.00
	FIRE HYDRANT WITH 6" LEAD	8	EA.	\$5,000.00	\$40,000.00
	DEEP BURY FIRE HYDRANT WITH 6" LEAD	1	EA.	\$5,500.00	\$5,500.00
	IRRIGATION SERVICE W/ METER(2")	0	EA.	\$2,500.00	\$0.00
	DOMESTIC WATER SERVICE W/ METER	101	EA.	\$1,400.00	\$141,400.00
	20" STEEL CASING	0	L.F.	\$2,000.00	\$0.00
	CONNECTION TO EXISTING MAIN	6	EA.	\$1,000.00	\$6,000.00
					<b>\$459,015.00</b>

CONTINGENCIES 20% OF CONSTRUCTION COSTS = **\$181,624.40**

Total Filing 2 Water/Sewer= **\$1,089,746.40**

