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**TRAILS AT CROWFOOT FILING 7
 ENGINEER'S ESTIMATE OF ANTICIPATED COSTS**

PROJECT:	ACREAGE:	13.428
TRAILS AT CROWFOOT FILING 7	LOTS:	49
CLIENT:	JOB NUMBER:	283701
E5X MANAGEMENT	PHASE:	FILING 7
ESTIMATE PREPARED BY:	DATE:	12/5/2017
CVL CONSULTANTS OF COLORADO, INC.		

SANITARY SEWER

ITEM	DESCRIPTION	QUANTITY	UNIT	COST/UNIT	TOTAL COST
	8" SEWER (PVC)	1,116	L.F.	\$48.00	\$53,568.00
	12" SEWER (PVC)	0	L.F.	\$54.00	\$0.00
	18" SEWER (PVC)	0	L.F.	\$67.00	\$0.00
	4' DIA. MANHOLE	8	EA.	\$2,850.00	\$22,800.00
	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	0	EA.	\$700.00	\$0.00
	4" SEWER SERVICE	49	EA.	\$1,615.00	\$79,135.00
	20" STEEL CASING	0	L.F.	\$2,000.00	\$0.00
	CONNECTION TO EXISTING MAIN	5	EA.	\$1,900.00	\$9,500.00
					\$165,003.00

WATERLINE

ITEM	DESCRIPTION	QUANTITY	UNIT	COST/UNIT	TOTAL COST
	6" WATERPIPE (DIP)	76	L.F.	\$20.00	\$1,520.00
	8" WATERPIPE (PVC)	1,602	L.F.	\$39.00	\$62,478.00
	12" WATERPIPE (PVC)	0	L.F.	\$57.00	\$0.00
	16" WATERPIPE (DIP)	0	L.F.	\$77.60	\$0.00
	6" GATE VALVE	3	EA.	\$1,000.00	\$3,000.00
	8" GATE VALVE	1	EA.	\$1,750.00	\$1,750.00
	12" GATE VALVE	0	EA.	\$3,000.00	\$0.00
	16" BUTTERFLY VALVE	0	EA.	\$18,000.00	\$0.00
	8" MISC. FITTINGS	11	EA.	\$460.00	\$5,060.00
	12" MISC. FITTINGS	0	EA.	\$730.00	\$0.00
	16" MISC. FITTINGS	0	EA.	\$1,500.00	\$0.00
	AIR / VACUUM VALVE	2	EA.	\$6,700.00	\$13,400.00
	8" CAP WITH BLOW OFF VALVE	0	EA.	\$2,000.00	\$0.00
	2" BLOW OFF VALVE (8" LINE-LOW POINT)	0	EA.	\$2,000.00	\$0.00
	6" BLOW OFF VALVE (16" LINE-LOW POINT)	0	EA.	\$2,500.00	\$0.00
	FIRE HYDRANT WITH 6" LEAD	3	EA.	\$5,000.00	\$15,000.00
	IRRIGATION SERVICE W/ METER(2")	0	EA.	\$2,500.00	\$0.00
	DOMESTIC WATER SERVICE W/ METER	49	EA.	\$1,400.00	\$68,600.00
	20" STEEL CASING	0	L.F.	\$2,000.00	\$0.00
	CONNECTION TO EXISTING MAIN	4	EA.	\$1,000.00	\$4,000.00
					\$174,808.00



CONTINGENCIES 20% OF CONSTRUCTION COSTS = **\$67,962.20**

Total Filing 7 Water/Sewer= \$407,773.20