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## TRAILS AT CROWFOOT FILING 9 ENGINEER'S ESTIMATE OF ANTICIPATED COSTS

PROJECT: TRAILS AT CROWFOOT FILING 9  
 CLIENT: E5X MANAGEMENT  
 ESTIMATE PREPARED BY: CVL CONSULTANTS OF COLORADO, INC.

ACREAGE: 152.368  
 LOTS: 0  
 JOB NUMBER: 283701  
 PHASE: FILING 9  
 DATE: 12/5/2017

### SANITARY SEWER

ITEM	DESCRIPTION	QUANTITY	UNIT	COST/UNIT	TOTAL COST
	8" SEWER (PVC)	1,142	L.F.	\$48.00	\$54,816.00
	12" SEWER (PVC)	0	L.F.	\$54.00	\$0.00
	18" SEWER (PVC)	0	L.F.	\$67.00	\$0.00
	4' DIA. MANHOLE	10	EA.	\$2,850.00	\$28,500.00
	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	0	EA.	\$1,615.00	\$0.00
	20" STEEL CASING	0	L.F.	\$2,000.00	\$0.00
	CONNECTION TO EXISTING MAIN	1	EA.	\$1,900.00	\$1,900.00
					<b>\$85,216.00</b>

### WATERLINE

ITEM	DESCRIPTION	QUANTITY	UNIT	COST/UNIT	TOTAL COST
	6" WATERPIPE (DIP)	211	L.F.	\$20.00	\$4,220.00
	8" WATERPIPE (PVC)	4,079	L.F.	\$39.00	\$159,081.00
	12" WATERPIPE (PVC)	1,081	L.F.	\$57.00	\$61,617.00
	16" WATERPIPE (DIP)	0	L.F.	\$77.60	\$0.00
	6" GATE VALVE	9	EA.	\$1,000.00	\$9,000.00
	8" GATE VALVE	23	EA.	\$1,750.00	\$40,250.00
	12" GATE VALVE	3	EA.	\$3,000.00	\$9,000.00
	16" BUTTERFLY VALVE	0	EA.	\$18,000.00	\$0.00
	8" MISC. FITTINGS	16	EA.	\$460.00	\$7,360.00
	12" MISC. FITTINGS	6	EA.	\$730.00	\$4,380.00
	16" MISC. FITTINGS	0	EA.	\$1,500.00	\$0.00
	AIR / VACUUM VALVE	1	EA.	\$6,700.00	\$6,700.00
	8" CAP WITH BLOW OFF	11	EA.	\$2,000.00	\$22,000.00
	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 HYDRANTS WITH 6" LEAD	9	EA.	\$5,000.00	\$45,000.00
	IRRIGATION SERVICE W/ METER(2")	5	EA.	\$2,500.00	\$12,500.00
	DOMESTIC WATER SERVICE W/ METER	0	EA.	\$1,400.00	\$0.00
	20" STEEL CASING	0	L.F.	\$2,000.00	\$0.00
	CONNECTION TO EXISTING MAIN	5	EA.	\$1,000.00	\$5,000.00
					<b>\$388,108.00</b>

CONTINGENCIES 20% OF CONSTRUCTION COSTS = **\$94,664.80**

Total Filing 9 Water/Sewer = **\$567,988.80**

