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

PROJECT: TRAILS AT CROWFOOT FILING 9 **ACREAGE:** 152.368
CLIENT: E5X MANAGEMENT **LOTS:** 0
ESTIMATE PREPARED BY: CVL CONSULTANTS OF COLORADO, INC. **JOB NUMBER:** 283701
PHASE: FILING 9
DATE: 2/26/2018

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
					\$85,216.00

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	2	EA.	\$6,700.00	\$13,400.00
	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
					\$394,808.00



CONTINGENCIES 20% OF CONSTRUCTION COSTS = \$96,004.80

Total Filing 9 Water/Sewer= \$576,028.80