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### TRAILS AT CROWFOOT FILING 3 ENGINEER'S ESTIMATE OF ANTICIPATED COSTS

PROJECT: TRAILS AT CROWFOOT FILING 3  
CLIENT: E5X MANAGEMENT  
ESTIMATE PREPARED BY: CVL CONSULTANTS OF COLORADO, INC.

ACREAGE: 22.164  
LOTS: 101  
JOB NUMBER: 283701  
PHASE: FILING 3  
DATE: 12/5/2017

#### SANITARY SEWER

ITEM	DESCRIPTION	QUANTITY	UNIT	COST/UNIT	TOTAL COST
	8" SEWER (PVC)	3,580	L.F.	\$48.00	\$171,840.00
	12" SEWER (PVC)	0	L.F.	\$54.00	\$0.00
	18" SEWER (PVC)	0	L.F.	\$67.00	\$0.00
	4' DIA. MANHOLE	19	EA.	\$2,850.00	\$54,150.00
	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	98	EA.	\$1,615.00	\$158,270.00
	20" STEEL CASING	0	L.F.	\$2,000.00	\$0.00
	CONNECTION TO EXISTING MAIN	2	EA.	\$1,900.00	\$3,800.00
					<b>\$388,060.00</b>

#### WATERLINE

ITEM	DESCRIPTION	QUANTITY	UNIT	COST/UNIT	TOTAL COST
	6" WATERPIPE (DIP)	100	L.F.	\$20.00	\$2,000.00
	8" WATERPIPE (PVC)	3,588	L.F.	\$39.00	\$139,932.00
	12" WATERPIPE (PVC)	0	L.F.	\$57.00	\$0.00
	16" WATERPIPE (DIP)	0	L.F.	\$77.60	\$0.00
	6" GATE VALVE	6	EA.	\$1,000.00	\$6,000.00
	8" GATE VALVE	10	EA.	\$1,750.00	\$17,500.00
	12" GATE VALVE	0	EA.	\$3,000.00	\$0.00
	16" BUTTERFLY VALVE	0	EA.	\$18,000.00	\$0.00
	8" MISC. FITTINGS	22	EA.	\$460.00	\$10,120.00
	12" MISC. FITTINGS	0	EA.	\$730.00	\$0.00
	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	1	EA.	\$2,000.00	\$2,000.00
	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	98	EA.	\$1,400.00	\$137,200.00
	20" STEEL CASING	0	L.F.	\$2,000.00	\$0.00
	CONNECTION TO EXISTING MAIN	5	EA.	\$1,000.00	\$5,000.00
					<b>\$373,952.00</b>



CONTINGENCIES 20% OF CONSTRUCTION COSTS = \$152,402.40

**Total Filing 3 Water/Sewer= \$914,414.40**