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TRAILS AT CROWFOOT FILING 1 ENGINEER'S ESTIMATE OF ANTICIPATED COSTS

PROJECT: TRAILS AT CROWFOOT FILING 1
 CLIENT: E5X MANAGEMENT
 ESTIMATE PREPARED BY: CVL CONSULTANTS OF COLORADO, INC.

ACREAGE: 254.309
 LOTS: 0
 JOB NUMBER: 283701
 PHASE: FILING 1
 DATE: 2/26/2018

SANITARY SEWER

ITEM	DESCRIPTION	QUANTITY	UNIT	COST/UNIT	TOTAL COST
	8" SEWER (PVC)	8,767	L.F.	\$48.00	\$421,776.00
	12" SEWER (PVC)	7,080	L.F.	\$54.00	\$382,320.00
	18" SEWER (PVC)	6,580	L.F.	\$67.00	\$440,860.00
	4' DIA. MANHOLE	118	EA.	\$2,850.00	\$336,300.00
	INTERMEDIATE PLATFORM	0	EA.	\$700.00	\$0.00
	4" SEWER SERVICE	47	EA.	\$1,615.00	\$75,905.00
	20" STEEL CASING	70	L.F.	\$2,000.00	\$140,000.00
	CONNECTION TO EXISTING MAIN	1	EA.	\$1,900.00	\$1,900.00
					\$1,799,061.00

WATERLINE

ITEM	DESCRIPTION	QUANTITY	UNIT	COST/UNIT	TOTAL COST
	6" WATERPIPE (DIP)	3,688	L.F.	\$20.00	\$73,760.00
	8" WATERPIPE (PVC)	8,831	L.F.	\$39.00	\$344,409.00
	12" WATERPIPE (PVC)	8,075	L.F.	\$57.00	\$460,275.00
	16" WATERPIPE (DIP)	6,002	L.F.	\$77.60	\$465,755.20
	6" GATE VALVE	29	EA.	\$1,000.00	\$29,000.00
	8" GATE VALVE	71	EA.	\$1,750.00	\$124,250.00
	12" GATE VALVE	22	EA.	\$3,000.00	\$66,000.00
	16" BUTTERFLY VALVE	12	EA.	\$18,000.00	\$216,000.00
	8" MISC. FITTINGS	69	EA.	\$460.00	\$31,740.00
	12" MISC. FITTINGS	30	EA.	\$730.00	\$21,900.00
	16" MISC. FITTINGS	16	EA.	\$1,500.00	\$24,000.00
	AIR / VACUUM VALVE	9	EA.	\$6,700.00	\$60,300.00
	8" CAP WITH BLOW OFF	30	EA.	\$2,000.00	\$60,000.00
	12" CAP WITH BLOW OFF	5	EA.	\$2,500.00	\$12,500.00
	2" BLOW OFF VALVE (8" LINE-LOW POINT)	3	EA.	\$2,000.00	\$6,000.00
	6" BLOW OFF VALVE (16" LINE-LOW POINT)	1	EA.	\$2,500.00	\$2,500.00
	FIRE HYDRANTS WITH 6" LEAD	29	EA.	\$5,000.00	\$145,000.00
	IRRIGATION SERVICE W/ METER(2")	6	EA.	\$2,500.00	\$15,000.00
	DOMESTIC WATER SERVICE W/ METER	47	EA.	\$1,400.00	\$65,800.00
	20" STEEL CASING	70	L.F.	\$2,000.00	\$140,000.00
	CONNECTION TO EXISTING MAIN	3	EA.	\$1,000.00	\$3,000.00
					\$2,367,189.00



CONTINGENCIES 20% OF CONSTRUCTION COSTS = **\$833,250.00**

Total Filing 1 Water/Sewer = **\$4,999,500.00**