



**ANDERSON
ENGINEERING**
EMPLOYEE OWNED



**COBEY CREEK
2ND PLAT
8/30/2022**

WATER MAIN

Engineer's Opinion of Probable Costs

NO.	ITEM	UNIT	UNIT QUANTITY	UNIT PRICE (\$)	UNIT TOTAL
10.0	WATER MAIN				
10.01	8" C900 PVC PRESSURE CLASS 235	LF	7,038	\$40.00	\$281,536.00
10.02	8" WATER MAIN CONCRETE ENCASEMENT	LF	138	\$100.00	\$13,800.00
10.03	5 1/4" FIRE HYDRANT ASSEMBLY (INCLUDES 8"x6"x8" TEE, THRUST BLOCKS, GATE VALVE, HYDRANT)	EA	14	\$5,500.00	\$77,000.00
10.04	8" BLOWOFF ASSEMBLY (INCLUDES ALL APPURTENANCES)	EA	2	\$5,000.00	\$10,000.00
10.05	8" GATE VALVE	EA	17	\$30.00	\$510.00
10.06	8" 11.25 DEGREE BEND	EA	11	\$150.00	\$1,650.00
10.07	8" 22.5 DEGREE BEND	EA	6	\$150.00	\$900.00
10.08	8" 45 DEGREE BEND	EA	4	\$160.00	\$640.00
10.09	8" 90 DEGREE BEND	EA	5	\$190.00	\$950.00
10.10	12" C900 PVC PRESSURE CLASS 235	LF	3,033	\$70.00	\$212,275.00
10.11	12" WATER MAIN CONCRETE ENCASEMENT	LF	45	\$100.00	\$4,500.00
10.12	5 1/4" FIRE HYDRANT ASSEMBLY (INCLUDES 12"x6"x12" TEE, THRUST BLOCKS, GATE VALVE, HYDRANT)	EA	3	\$5,500.00	\$16,500.00
10.13	12" BUTTERFLY VALVE	EA	10	\$60.00	\$600.00
10.14	12" 11.25 DEGREE BEND	EA	6	\$275.00	\$1,650.00
10.15	12" 22.5 DEGREE BEND	EA	5	\$285.00	\$1,425.00
10.16	12" 45 DEGREE BEND	EA	1	\$340.00	\$340.00
10.17	12" 90 DEGREE BEND	EA	1	\$400.00	\$400.00
10.18	8"x8"x8" TEE	EA	6	\$600.00	\$3,600.00
10.19	12"x8"x12" TEE	EA	2	\$650.00	\$1,300.00
10.20	12"x12"x12" TEE	EA	3	\$650.00	\$1,950.00
10.21	8"x8"x8"x8" CROSS	EA	1	\$600.00	\$600.00
10.22	8"x8"x12"x12" CROSS	EA	1	\$650.00	\$650.00
10.23	TRACER WIRE	LF	10,071	\$2.00	\$20,141.80
10.24	24" STEEL CASING PIPE TO BE BORED & JACKED (INCLUDES ALL APPURTENANCES)	LF	125	\$2,500.00	\$312,500.00
10.25	CONNECT TO EXISTING WATER MAIN	EA	5	\$5,000.00	\$25,000.00
WATER MAIN SUB-TOTAL					\$990,417.80
ESTIMATE DOES NOT INCLUDE: LANDSCAPING, ROCK EXCAVATION, IRRIGATION, UTILITY(GAS, COMM, ELEC) FEES					
				SUB-TOTAL \$	990,418
				5% CONTINGENCY \$	49,521
				TOTAL \$	1,039,939