

Exhibit A
City of Pompano Beach
Work Authorization No. X
Water System Interconnect Upgrades
City of Fort Lauderdale Interconnects
Engineering Budget Estimate

Task Description	Principal Engineer \$200 per hour		Engineer Intern \$85 per hour		Project Administrator \$50 per hour		Total Labor		Reimbursables	Total Budget
	hours	budget	hours	budget	hours	budget	hours	budget		
1.0 Basic Services During Construction										
1.1 Review of baseline project schedule and schedule of values	1.5	\$300	3	\$255	1.5	\$75	6	\$630		\$630
1.2 Conformed Contract Documents	1.5	\$300	3	\$255	3	\$150	7.5	\$705	\$750	\$1,455
1.3 Preconstruction Meeting	3	\$600	6	\$510	3	\$150	12	\$1,260		\$1,260
1.4 Administer construction contract (240 days & 2 WCDs assumed)	12	\$2,400	24	\$2,040	18	\$900	54	\$5,340		\$5,340
1.5 Respond to RFIs (2 assumed per interconnect)	12	\$2,400	36	\$3,060	18	\$900	66	\$6,360		\$6,360
1.6 Monthly Progress Meetings and site visits (12 assumed)	24	\$4,800	54	\$4,590	18	\$900	96	\$10,290		\$10,290
1.7 Review shop drawing submittals (20 assumed)	7.5	\$1,500	24	\$2,040	0	\$0	31.5	\$3,540		\$3,540
1.8 Review pay requests and schedules (11 assumed)	8.25	\$1,650	54	\$4,590	8.25	\$413	70.5	\$6,653		\$6,653
1.9 Perform milestone site visits (2 assumed per interconnect)	25.5	\$5,100	25.5	\$2,168	0	\$0	51	\$7,268		\$7,268
1.10 Project close-out and final submittals	30	\$6,000	72	\$6,120	48	\$2,400	150	\$14,520	\$750	\$15,270
1.11 SRF Administration (240 days assumed)	42	\$8,400	12	\$1,020	28.5	\$1,425	82.5	\$10,845		\$10,845
1.12 Additional Services	0	\$0	0	\$0	0	\$0	0	\$0		
Total:		\$33,450		\$26,648		\$7,313	627	\$67,410	\$1,500	\$68,910

TOTAL NOT-TO-EXCEED FEE: \$68,910

City of Pompano Beach
Water System Interconnect Upgrade
City of Fort Lauderdale - State Road A1A
Opinion of Construction Cost

Line	Description	Estimated Quantity	Unit	Unit Price	Total
1	12' x 8' Precast concrete meter vault w/ hatches	1	EA.	\$20,000	\$20,000
2	10" turbine meter with strainer and MUI	2	EA.	\$20,200	\$40,400
3	10" gate valve (RJ)	4	EA.	\$6,000	\$24,000
4	10" swing flex check valve (FLG)	2	EA.	\$5,000	\$10,000
5	4" gate valve (FLG) w/ firehose adapter	2	EA.	\$2,000	\$4,000
6	10" restrained flanged coupling adapter	2	EA.	\$1,800	\$3,600
7	10" 45-degree bends (RJ)	6	EA.	\$1,801	\$10,806
8	10" 90-degree bends (RJ)	2	EA.	\$1,800	\$3,600
9	10" x 4" Tee (FLG)	2	EA.	\$1,100	\$2,200
10	10" 15-ft long DIP (PE x PE)	2	EA.	\$15,500	\$31,000
11	10" Tee (RJ)	2	EA.	\$1,100	\$2,200
12	10" 4-ft long DIP (FLG x FLG)	4	EA.	\$1,300	\$5,200
13	10" 2-ft long DIP (PE x FLG)	2	EA.	\$1,600	\$3,200
14	10" 1-ft long DIP (PE x PE)	6	EA.	\$1,100	\$6,600
15	Concrete Pipe Support	2	EA.	\$500	\$1,000
Subtotal:					\$166,806
General Requirements (2%):					\$3,336
Contingency (10%):					\$16,681
Total Opinion of Construction Cost:					\$190,000

City of Pompano Beach
Water System Interconnect Upgrade
City of Fort Lauderdale - N.E. 20th Terrace
Opinion of Construction Cost

Line	Description	Estimated Quantity	Unit	Unit Price	Total
1	6" turbine meter with strainer and MUI	2	EA.	\$17,800	\$35,600
2	6" gate valve (FLG)	4	EA.	\$6,000	\$24,000
3	6" swing flex check valve (FLG)	2	EA.	\$5,000	\$10,000
4	4" gate valve (FLG) w/ firehose adapter	2	EA.	\$2,000	\$4,000
5	6" restrained flanged coupling adapter	2	EA.	\$1,800	\$3,600
6	6" 90-degree bends (FLG)	2	EA.	\$200	\$400
7	6" 90-degree bends (RJ)	4	EA.	\$400	\$1,600
8	6" x 4" Tee (FLG)	2	EA.	\$300	\$600
9	6" Tee (FLG)	4	EA.	\$300	\$1,200
10	Air release valve Assembly	2	EA.	\$750	\$1,500
11	6" Tapping sleeve w/ temp line stop	1	EA.	\$20,000	\$20,000
12	6" 10-ft long DIP (PE x PE)	2	EA.	\$700	\$1,400
13	6" 3-ft long DIP (FLG x FLG)	2	EA.	\$200	\$400
14	6" 2-ft long DIP (PE x FLG)	2	EA.	\$200	\$400
15	6" 5-ft long DIP (PExFLG)	2	EA.	\$400	\$800
16	6" 1-ft long DIP (PE x PE)	4	EA.	\$100	\$400
17	Concrete pipe supports	4	EA.	\$500	\$2,000
18	Concrete thust block	2	EA.	\$90	\$180
19	Bollard	7	EA.	\$400	\$2,800
Subtotal:					\$108,080
General Requirements (2%):					\$2,162
Contingency (10%):					\$10,808
Total Opinion of Construction Cost:					\$130,000

City of Pompano Beach
Water System Interconnect Upgrade
City of Fort Lauderdale - West McNab Road

Opinion of Construction Cost

Line	Description	Estimated Quantity	Unit	Unit Price	Total
1	10" turbine meter with strainer and MUI	2	EA.	\$20,200	\$40,400
2	10" gate valve (FLG)	4	EA.	\$6,000	\$24,000
3	10" swing flex check valve (FLG)	2	EA.	\$5,000	\$10,000
4	4" gate valve (FLG) w/ firehose adapter	2	EA.	\$2,000	\$4,000
5	10" restrained flanged coupling adapter	2	EA.	\$1,800	\$3,600
6	12" x 10" reducers (RJ x PE)	1	EA.	\$1,800	\$1,800
7	10" 90-degree bends (FLG)	2	EA.	\$800	\$1,600
8	10" 90-degree bends (RJ)	6	EA.	\$1,800	\$10,800
9	10" x 4" Tee (FLG)	2	EA.	\$1,100	\$2,200
10	10" Tee (FLG)	4	EA.	\$1,100	\$4,400
11	Air release valve Assembly	2	EA.	\$750	\$1,500
12	10" Tapping sleeve w/ tapping valve	1	EA.	\$35,000	\$35,000
13	10" 15-ft long DIP (PE x PE)	2	EA.	\$15,500	\$31,000
14	10" 3.5-ft long DIP (FLG x FLG)	2	EA.	\$1,000	\$2,000
15	10" 2-ft long DIP (PE x FLG)	3	EA.	\$1,600	\$4,800
16	10" 5-ft long DIP (PE x FLG)	3	EA.	\$1,600	\$4,800
17	10" 1-ft long DIP (PE x PE)	4	EA.	\$1,100	\$4,400
18	Concrete pipe supports	4	EA.	\$500	\$2,000
19	Concrete thust block	1	EA.	\$90	\$90
Subtotal:					\$188,390
General Requirements (2%):					\$3,768
Contingency (10%):					\$18,839
Total Opinion of Construction Cost:					\$210,000