

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

Task Description	<i>Principal Engineer</i> \$200 per hour		<i>Engineer Intern</i> \$85 per hour		<i>Project Administrator</i> \$50 per hour		<i>Total Labor</i>		<i>Reimbursables</i>	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 thrust 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 thrust block	1	EA.	\$90	\$90
Subtotal:					\$188,390
General Requirements (2%):					\$3,768
Contingency (10%):					\$18,839
Total Opinion of Construction Cost:					\$210,000