

EXHIBIT A
City of Pompano Beach

Work Authorization No. 1 - WTP Lime Softener and GST Coating Rehab Evalation and Design

Engineering Fee Details

Task	Task Description	E6	E5	E4	E1	CADD	Adm 3	Adm 1	Total Labor	Expense/ Subconsul. Fee	Subconsul.
		\$175.00	\$165.00	\$150.00	\$85.00	\$85.00	\$75.00	\$50.00			
1	Research										
	Project Management	2		10			2	2	\$2,100		
	Project Start-up Meeting		2	2	4				\$970		
	Document Review		2	6				2	\$1,330		
2	Evaluation										
	Project Management			8			2	2	\$1,450		
	Initial Field/Site Evaluation			8	4				\$1,540	\$ 9,750.00	CPI*
3	Presentation										
	Project Management			6			4	2	\$1,300		
	Lab/Testing Results Review			2					\$300		
	Develop Rehab Options			8					\$1,200		
	Prepare Technical Memo		2	12		6		2	\$2,740		
	Structural Engineering Eval and Recommendations			2			2		\$450	\$ 22,250.00	WGI*
	NACE Inspector Eval and Recommendations			2			2		\$450	\$ 15,550.00	CPI*
	Evaluation/Memo Review Meeting		4	6					\$1,560		
	Site Inspection			4					\$600		
	Finalize Rehab Options Memo		2	6		2		2	\$1,500		
4	Engineering/Consultation										
	Project Management	2		20			2	4	\$3,700		
	60% Design		8	66	32	60		1	\$19,090		
	90% Design		4	48	24	32		1	\$12,670		
	100% Design		4	24	16	24		2	\$7,760		
	Structural Engineering Design			2		2		1	\$520	\$ 22,250.00	WGI*
	NACE Inspector Design			2		2		1	\$520	\$ 17,000.00	CPI*
	Design Review Meetings (2)		4	8					\$1,860		
	Bid Document Preparation			10		6		8	\$2,410		
	Bid Assistance			4					\$600		
	Bid Review/Recommendation		1	2					\$465		
	Project Closeout			2			2	2	\$550		
	Labor Total Hours	4	33	270	80	134	16	32	569		
	Labor Total	\$700	\$5,445	\$40,500	\$6,800	\$11,390	\$1,200	\$1,600	\$67,635		
	Subconsultant Labor Total									\$86,800	
	Subconsultant Multiplier									1.1	
	Subcontract Total									\$95,480	
	Laboratory Testing Allowance									\$5,000	
	Expenses									\$0	
	Expenses Multiplier									1.15	
	Expense Total									\$0	
	ENGINEERING TOTAL									\$168,115	

*CPI - Corrosion Probe, Inc.

*WGI -Wantman Group, Inc.

	60	90	100
Drawing Sheets			
1 Cover	1	1	1
2 Notes	1	1	1
3 Site Plan- WTP	2	1	1
4 Site Plan/notes- Reuse PS	2	1	1
5 Softeners plan/section	8	4	2
6 Thickener	8	4	2
7 Acid Room	8	4	2
8 Caustic room	4	1	1
9 Seq room	4	1	1
10 Anti Scalant room	4	1	1
11 Lime Room rehab & trench	4	1	1
12 Dryer Room/Bldg	4	1	1
13 Backwash basin PS	4	1	1
14 Mech Details 1	4	1	1
15 Mech Details 2	2	1	1
16 Standard Details	4	2	2
sum	64	26	20
Specs			