EXHIBIT A

<u>Total Design Cost for Water Treatment Plant Improvements for ARWA</u>

\$480,438	Design Contract for Plant Improvements
-\$203,280	HDR Sub consultant – GBRA 100%
\$277,158	Allocation to be divided by ARWA Flow to SWTP

9,379 af/yr	Delivered to SWTP = 100%
4,000 af/yr	GBRA Allocation = 43%
5,379 af/yr	San Marcos Allocation = 57%

Allocation of \$277,158 is 43% GBRA and 57% San Marcos

Design Allocation:

GBRA = Flow allocation + sole costs = (\$277,158)(.43) + \$203,280 = <u>\$322,458</u>

San Marcos = Flow allocation = (\$277,158)(.<u>57</u>) = <u>\$157,980</u>

Exhibit A

City of San Marcos

Water Master Plan Update

Water Treatment Plant Imp. For ARWA Water

Project No. 2

Level 2 (Phase) No. and Description / *Level 3 (Task) No. and Description*	Principal (hrs)	Sr. Proj Mgr (hrs)	Proj Mgr (hrs)	Proj Engr (hrs)	EIT (hrs)	Technician (hrs)	Clerical (hrs)	QC (hrs)	Total Labor Hours	Total Labor Fee ($$$)	Percent of Total Fee
Water Treatment Plant Imp. For ARWA Water	**80**	**0**	**332**	**36**	**860**	**180**	**50**	**34**	**1,572**	**$ 233,840**	**100.0%**
1 Preliminary Engineering Services	**16**	**0**	**40**	**24**	**62**	**14**	**12**	**12**	**180**	**$ 29,120**	**12.5%**
1.1 Project Kick-off	4		6		4				14	$ 2,830	1.2%
1.2 Develop pumping system hydraulics								2	2	$ 480	0.2%
1.3 Conduct hydraulic transient analysis								2	2	$ 480	0.2%
1.4 Electrical improvements								2	2	$ 480	0.2%
1.5 Size ground storage tank	2		4		10				16	$ 2,610	1.1%
1.6 Develop site layout	2		8		16	8			34	$ 5,060	2.2%
1.7 Develop control narrative	4		8	16					28	$ 4,960	2.1%
1.8 Develop Preliminary OPCC	2		4	8	12			2	28	$ 4,460	1.9%
1.9 Prepare PER	2		10		20	6	12	4	54	$ 7,760	3.3%
2 Design Services	**30**	**0**	**88**	**12**	**144**	**110**	**32**	**22**	**438**	**$ 66,350**	**28.4%**
2.1 Attend progress meetings (4)	4		12		12				28	$ 5,000	2.1%
2.2 Prepare drawings and specs	8		40		80	80	20	12	240	$ 34,000	14.5%
2.3 Attend review meetings and address comments	12		12		12				36	$ 7,320	3.1%
2.4 Provide Final Bid Documents	2		12		20	30	12	8	84	$ 11,870	5.1%
2.5 Update OPCC	2		8	12	12			2	36	$ 5,800	2.5%
2.6 Submit for Approvals	2		4		8				14	$ 2,360	1.0%
3 Bidding Assistance	**2**	**0**	**30**	**0**	**50**	**32**	**6**	**0**	**120**	**$ 16,900**	**7.2%**
3.1 Provide Electronic copy of Bid Docs			4		8	8	4		24	$ 3,060	1.3%
3.2 Assist in advertisement			4		4		2		10	$ 1,460	0.6%
3.3 Attend Pre-Bid conference			6		8				14	$ 2,170	0.9%
3.4 Issue Addenda as appropriate	2		10		16	16			44	$ 6,370	2.7%
3.5 Prepare Bid Tabulation and provide recommendation			2		6				8	$ 1,140	0.5%
3.6 Prepare Conformed Documents			4		8	8			20	$ 2,700	1.2%
4 Construction Administration	**32**	**0**	**174**	**0**	**604**	**24**	**0**	**0**	**834**	**$ 121,470**	**51.9%**
4.1 Act as Client rep	20		60		400				480	$ 67,500	28.9%
4.2 Participate in Pre-Construction Mtg			4		6				10	$ 1,530	0.7%
4.3 Review contractor schedules			2		6				8	$ 1,140	0.5%
4.4 Attend progress meetings	6		40		60				106	$ 17,040	7.3%
4.5 Receive and respond to RFIs	2		20		40	12			74	$ 10,860	4.6%
4.6 Recommend Change Orders	2		10		20				32	$ 5,030	2.2%
4.7 Review shop drawings			8		20				28	$ 4,060	1.7%
4.8 Render formal written decisions	2		8		12				22	$ 3,640	1.6%
4.9 Review Pay applications			8		12				20	$ 3,060	1.3%
4.1 Review O&M Manuals			4		8				12	$ 1,780	0.8%
4.11 Conduct Final Walk-Through			6		12				18	$ 2,670	1.1%
4.12 Prepare Record Drawings			4		8	12			24	$ 3,160	1.4%
TOTAL LABOR											
Total Labor Hours	**80**	**0**	**332**	**36**	**860**	**180**	**50**	**34**	**1,572**		
Total Labor Amount										**$ 233,840**	**100.0%**
Total Amounts by Labor Category	**$ 23,200**	**$ -**	**$ 64,740**	**$ 5,040**	**$ 107,500**	**$ 20,700**	**$ 4,500**	**$ 8,160**		**$ 233,840**	
Labor Category Percent of Total Labor	**9.9%**	**0.0%**	**27.7%**	**2.2%**	**46.0%**	**8.9%**	**1.9%**	**3.5%**			**100.0%**
TOTAL EXPENSES (see breakdown below)											
Total Subconsultants										**$ 232,570**	
Total Reimbursables										**$ 14,028**	
Total Expenses										**$ 246,598**	
GRAND TOTAL - Water Treatment Plant Imp. For ARWA Water										**$ 480,438**	

SUBCONSULTANT EXPENSES

Code	Description	Budget ($$)	Markup	Fee ($$$)
CA	Architect Consultant	$ -	1.05	$ -
CC	Civil Engr Consultant	$ -	1.05	$ -
CE	Electrical Consultant	$ -	1.05	$ -
CG	Geotechnical Consultant	$ 27,895	1.05	$ 29,290
CM	Mechanical Consultant	$ -	1.05	$ -
CO	Other Consultant	$ -	1.05	$ -
CS	Structural Consultant	$ -	1.05	$ -
CY	Surveying Consultant	$ -	1.05	$ -
C1	HDR	$ 193,600	1.05	$ 203,280
C2		$ -	1.05	$ -
C3		$ -	1.05	$ -
C4		$ -	1.05	$ -
C5		$ -	1.05	$ -
C6		$ -	1.05	$ -
TOTAL SUBCONSULTANT EXPENSES		**$ 221,495**		**$ 232,570**

GBRA - 100%

REIMBURSABLE EXPENSES

Code	Description	Budget ($$)	Markup	Fee ($$$)
RA	Laboratory Analysis	$ -	1.05	$ -
RC	Computer	$ 7,860	1.05	$ 8,253
RH	Historical	$ -	1.05	$ -
RI	In-House Reproduction	$ -	1.05	$ -
RL	Long Distance Telephone	$ -	1.05	$ -
RM	Employee Mileage	$ 3,000	1.05	$ 3,150
RO	Other Expenses	$ -	1.05	$ -
RP	Purchased Services	$ -	1.05	$ -
RR	Reproduction	$ 2,500	1.05	$ 2,625
RS	Shipping, Delivery, Postage	$ -	1.05	$ -
RT	Travel, Meals, Lodging	$ -	1.05	$ -
RU	Telecommunications	$ -	1.00	$ -
R1		$ -	1.05	$ -
R2		$ -	1.05	$ -
TOTAL REIMBURSABLE EXPENSES		**$ 13,360**		**$ 14,028**