

CONSOLIDATED COMMISSION ON UTILITIES Guam Power Authority | Guam Waterworks Authority P.O. Box 2977 Hagatna, Guam 96932 | (671)649-3002 | guamccu.org

GWA RESOLUTION NO. 01-FY2023

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RELATIVE TO APPROVAL OF THE SOUTHERN SSES REHABILITATION PHASE II (BAZA GARDENS – SANTA RITA – TALOFOFO) CONSTRUCTION CONTRACT INCREASE (\$15-001-EPA)

WHEREAS, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities ("CCU") has plenary authority over financial, contractual, and policy matters relative to the Guam Waterworks Authority ("GWA"); and

WHEREAS, the Guam Waterworks Authority ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, the CCU approved Resolution No. 42-FY2016 (Exhibit A) and GWA subsequently awarded a construction contract to Propacific Builder Corporation ("PPBC") to repair and/or replace gravity sewer lines and manholes subjected to Infiltration and Inflow in the Baza Gardens, Santa Rita, and Talofofo in the amount of One Million One Hundred Eighty-Nine Thousand Eight Hundred Fifteen Dollars (\$1,189,815.00) with a ten percent (10%) contingency of One Hundred Eighteen Thousand Nine Hundred Eighty-One Dollars and Fifty Cents (\$118,981.50) for a total authorized funding amount of One Million Three Hundred Eight Thousand Seven Hundred Ninety-Six Dollars and Fifty Cents (\$1,308,796.50); and

WHEREAS, this project is funded by United States Environmental Protection Agency (USEPA) grant funds; and

WHEREAS, there have been eight (8) approved Change Orders and one (1) currently in process totaling One Hundred Thousand Four Hundred Twenty Dollars and Thirty-Nine Cents (\$100,420.39); and

1	WHEREAS, there are funds remaining in the contract contingency of Eighteen
2	Thousand Five Hundred Sixty-One Dollars and Eleven Cents (\$18,561.11); and
3	
4	WHEREAS, a portion of this project included rehabilitating gravity sewer lines within a
5	delineated wetland that services the Hyundai Subdivision, Santa Rita customers using the Cured-
6	In-Place-Pipeline method; and
7	
8	WHEREAS, due to the unsuccessful installation of the Cured-In-Place Pipeline in the
9	sewer lines servicing the Hyundai Subdivision customers, PPBC agreed to design, through a
10	subcontractor, and construct a new sewer lift station to service these customers in lieu of
11	replacing the gravity sewer; and
12	
13	WHEREAS, GWA has requested PPBC to purchase and install a davit crane, solids
14	basket, and concrete standing pad at the sewer lift station, which was not initially included in the
15	lift station's construction scope of work, to assist in performing preventive maintenance; and
16	
17	WHEREAS, a final cost proposal for this additional work is anticipated to be submitted
18	soon and is expected not to exceed Seventy Thousand Dollars (\$70,000.00); and
19	
20	WHEREAS, this additional scope of work will be added to the contract through
21	anticipated Change Order 10; and
22	
23	WHEREAS, in order to execute Change Order 10, the approved funding authorization
24	amount must be increased by Fifty-One Thousand Four Hundred Thirty-Eight Dollars and
25	Eighty-Nine Cents (\$51,438.89); and
26	
27	WHEREAS, GWA will negotiate fees with PPBC to ensure that necessary costs are
28	justifiable and reasonable; and
29	
30	WHEREAS, PPBC will start additional archaeological activities required by the State
31	Historical Preservation Office under a previously-approved funding authorization; and

WHEREAS, additional funds may be necessary to cover PPBC's services to perform the additional archaeological activities if archaeological artifacts are discovered; and

WHEREAS, GWA estimates that should archaeological artifacts be found during the archaeological activities, PPBC's services may be needed for up to twenty (20) additional days at a daily rate not to exceed Two Thousand One Hundred Twelve Dollars and Eleven Cents (\$2,112.11) for an estimated total of Forty-Two Thousand Two Hundred Forty-Two Dollars and Twenty Cents (\$42,242.20); and

WHEREAS, GWA will verify and only compensate PPBC for the actual time and materials used to perform the additional archaeological activities; and

12

WHEREAS, GWA seeks CCU approval of a funding increase authorization in the amount not to exceed Ninety-Three Thousand Six Hundred Eighty-One Dollars and Nine Cents (\$93,681.09), for a total funding authorization of One Million Four Hundred and Two Thousand Four Hundred Seventy-Seven Dollars and Fifty-Nine Cents (\$1,402,477.59); and

17

WHEREAS, the increase in authorized funding will be provided by USEPA grants; and

19

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities does hereby approve the following:

22

1. The recitals set forth above hereby constitute the findings of the CCU.

Ninety-Three Thousand Six Hundred Eighty-One Dollars and Nine Cents (\$93,681.09) is needed, warranted, and justified to complete the work under

3. The CCU hereby authorizes the expenditure of up to an additional Ninety-

Three Thousand Six Hundred Eighty-One Dollars and Nine Cents

(\$93,681.09) for anticipated Change Order 10 and, if necessary, additional

2. The CCU finds that the funding authorization increase in the amount of

this contract.

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services by PPBC to perform additional archaeological work.

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- 4. The CCU hereby authorizes the total funding amount of this contract to be One Million Four Hundred and Two Thousand Four Hundred Seventy-Seven Dollars and Fifty-Nine Cents (\$1,402,477.59).
- 5. The CCU hereby further authorizes the management of GWA to execute anticipated Change Order 10 once costs are deemed justifiable and reasonable.

RESOLVED, that the Chairman certified, and the Board Secretary attests to the adoption of this Resolution.

DULY AND REGULARLY ADOPTED, this 25th day of October 2022.

Certified by:

JOSEPH T. DUENAS

Chairperson

Attested by:

PEDRO ROY MARTINEZ

Secretary

SECRETARY'S CERTIFICATE

I, Pedro Roy Martinez, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the Guam Consolidated Commission on Utilities, duly and legally held at a place properly noticed and advertised at which meeting a quorum was present and the members who were present voted as follows:



EXHIBIT A

GUAM CONSOLIDATED COMMISSION ON UTILITIES

RESOLUTION NO. 42-FY2016

RELATIVE TO CONTRACT APPROVAL FOR THE SOUTHERN SSES REHABILITATION - PHASE II (BAZA GARDENS, SANTA RITA, TALOFOFO) PROJECT W15-001-EPA

WHEREAS, under 12 G.C.A. § 14105, the Consolidated Commission on Utilities ("CCU") has plenary authority over financial, contractual and policy matters relative to the Guam Waterworks Authority ("GWA"); and

WHEREAS, the Guam Waterworks Authority ("GWA") is a Guam Public Corporation established and existing under the laws of Guam; and

WHEREAS, GWA has received a grant from USEPA under the State Revolving Fund program to repair and rehabilitate the water and wastewater system infrastructure; and

WHEREAS, GWA has a number of important USEPA State Revolving Fund projects including the rehabilitation and repair of approximately 1,600 linear feet of gravity sewer pipeline and 35 sewer manholes to address Infiltration and Inflow (I&I) in the villages of Baza Gardens, Santa Rita, and Talofofo which the Program Management Office (Brown and Caldwell), completed design drawings and specifications for; and

WHEREAS, the intent of this project is to reduce I&I within the wastewater collection system and decrease the volume of storm water that enters into the collection system tributary to the Baza Gardens and Agat-Santa Rita WWTPs causing GWA to incur additional costs to operate the sewer pump stations and treatment plants; and

WHEREAS, GWA has advertised the Invitation to Bid (IFB-04-ENG-2016) for the Southern SSES Rehabilitation – Phase II (Baza Gardens, Santa Rita, Talofofo) soliciting bid proposals from experienced and responsive bidders to repair and/or replace segments of gravity sewer lines and manholes subjected to I&I in the aforementioned villages; and

1 2

WHEREAS, this phase of work consists of furnishing all labor, tools, equipment and materials, as well as coordination efforts with GWA, DPW, etc., that are necessary to eliminate and prevent I&I from entering into the wastewater collection system; and

WHEREAS, IFB packages were obtained by multiple interested parties, from which GWA received bid proposals from three (3) parties (SEE EXHIBIT A – Abstract of Bids, page 3 of 9) before the bid proposal deadline; and

WHEREAS, GWA's PMO analyzed the bid proposal received (SEE EXHIBIT A – Bid Analysis, page 5 of 9) on May 20, 2016 and determined that Propacific Builder Corporation, who submitted the lowest bid as responsive and responsible and met all the bid requirements set forth by GWA; and

WHEREAS, GWA Management seeks CCU approval of Propacific Builder Corporation's bid proposal (SEE EXHIBIT A – Bid Proposals, page 8 of 9) in the amount of One Million One Hundred Eighty-Nine Thousand Eight Hundred Fifteen Dollars (\$1,189,815.00), plus a ten percent (10%) contingency of One Hundred Eighteen Thousand Nine Hundred Eighty One Dollars and Fifty Cents (\$118,981.50) to bring the total authorized funding amount to a maximum of One Million Three Hundred Eight Thousand Seven Hundred Ninety Six Dollars and Fifty Cents (\$1,308,796.50); and

WHEREAS, funding for this project will be from the USEPA State Revolving Fund and, if necessary, GWA 2013 and 2015 Bond funds under CIP Line Item WW 09-06 Wastewater Collection System Replacement/Rehabilitation; and

NOW BE IT THEREFORE RESOLVED, the Consolidated Commission on Utilities, subject to the review and approval of the Public Utilities Commission, does hereby approve the following:

- 1. The recitals set forth above hereby constitute the findings of the CCU.
- 2. The CCU finds that the terms of the fee proposal submitted by Propacific Builder Corporation are fair and reasonable.

- 3. The CCU finds that the terms and conditions set by GWA relative to commencement of work activities are fair and reasonable and serve as a measure of Quality Assurance/Quality Control (QA/QC).
- 4. The CCU hereby authorizes the management of GWA to enter into a contract with Propacific Builder Corporation in the amount of One Million One Hundred Eighty-Nine Thousand Eight Hundred Fifteen Dollars (\$1,189,815.00).
- 5. The CCU hereby further approves the total funding amount for this project of One Million One Hundred Eighty-Nine Thousand Eight Hundred Fifteen Dollars (\$1,189,815.00), plus a ten percent (10%) contingency of One Hundred Eighteen Thousand Nine Hundred Eighty-One Dollars and Fifty Cents (\$118,981.50), to bring the total authorized funding amount to a maximum of One Million Three Hundred Eight Thousand Seven Hundred Ninety-Six Dollars and Fifty Cents (\$1,308,796.50).

RESOLVED, that the Chairman certified and the Board Secretary attests to the adoption of this Resolution.

DULY AND REGULARLY ADOPTED, this 7th day of June 2016.

Certified by:

Attested by:

JOSEPH T. DUENAS

Chairperson

J. GEORGE BAMBA

Secretary

I, J. George Bamba, Board Secretary of the Consolidated Commission on Utilities as evidenced by my signature above do hereby certify as follows:

The foregoing is a full, true and accurate copy of the resolution duly adopted at a regular meeting by the members of the Guam Consolidated Commission on Utilities, duly and legally held at a place properly noticed and advertised at which meeting a quorum was present and the members who were present voted as follows:

AYES:

NAYS:

ABSTENTIONS:

ABSENT:



Exhibit A (1 of 9)

414 W Soledad Avenue, Suite 907

T: 671.477.0975

Hagatna, GU 96910



May 31, 2016

Mr. Thomas Cruz Chief Engineer Guam Waterworks Authority Gloria B. Nelson Public Service Building 688 Route 16 Mangilao, Guam 96913

145437

Subject: Letter of Recommendation for Construction Services for the Southern SSES Rehabilitation – Phase II (Baza Gardens, Santa Rita, Talofofo); GWA Project Number S15-001-EPA

Dear Mr. Cruz:

Brown and Caldwell (BC)—upon reviewing the bid proposals from all interested parties for the Southern SSES Rehabilitation – Phase II (Baza Gardens, Santa Rita, Talofofo) project—determines that Propacific Corporation is the apparent lowest bidder with a proposed bid of \$1,189,815. BC recommends executing a contract with Propacific Builder Corporation to provide construction services for the aforementioned project as their bid proposal was within reason for the scope of the project. Table 1 below summarizes the proposed bids from all interested parties and Attachment 2 details each parties' project bids.

Lastly, BC has verified that Propacific Builder Corporation submitted all required documents to be qualified and considered for this project.

Table 1: Bid Summary

Bidder	Total Bid	Variance
Engineer Cost Estimate	\$1,611,222.00	-
Propacific Builder		
Corporation	\$1,189,815.00	26%
PacificRIM Constructors,		
Inc.	\$1,495,000.00	7%
Reliable Builders, Inc.	\$1,513,000.00	6%

Exhibit A (2 of 9)

414 W Soledad Avenue, Suite 907 Hagatna, GU 96910

T: 671.477.0975

If you have any questions, please call me at (671) 477-0975.

Respectfully Submitted,

Brown and Caldwell

Kurt Bilz, P.E. Project Manager Supervising Engineer

KRB:jbc

cc: Joseph Claveria, Brown and Caldwell Gloria Bensan, Guam Waterworks Authority

Attachments:

- 1. GWA Abstract of Bids
- 2. Bid Analysis
- 3. Propacific Builder Corporation

Exhibit A (3 of 9)

Attachment #1 - GWA Abstract of Bids

Prepared for Guam Waterworks Authority

Exhibit A (4 of 9)

GUAM WATERWORKS AUTHORITY ABSTRACT OF BIDS

						8.	7.	6.	5.	4.	3.	2.	1.		P	Pro
GWA Estimate						HSG CO. LTD.	REX INTERNATIONAL, INC.	RELIABLE BUILDERS, INC.	PACIFIC RIM CONSTRUCTION	BASCON CORPORATION	MEGA UNITED CORPORATION	PROPACIFIC BUILDER CORPORATION	POLYPHASE SYSTEM INC.	Bidders Name	Project Number: IFB-04-ENG-2015; \$15-00	
						we hid submitted	wo bid subwithe	15% of accompanied his	15 % of the live and amount	no hid submitted	no bits subjustiful	Mexicalists fire homena continued	no hid cubmitted	Section A-5 Bid Bond	1-EPA	SOUTHERN SSES REHABILITATION - PHASE II (BAZA GARDENS-SANTA RITA-TALOFOFO)
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\$1,611.222.00								\$ 1,513,000.00	\$1,495,000.00			\$1,189,815.00		BID AMOUNT	100	May 20, 2016 3:00 p.m.
	\$1,611	\$1,611	41, 611	\$1,611	41, 611	41, 611	the hid submitted	IONAL, INC. NO bill submitted NO bill submitted	DERS, INC. TENNEL LANGUAGE CANDAY TO THE STATE OF THE ST	DERS, INC. Total and Included	ORATION DORSTRUCTION TITES HAT SUMMAN AND AND AND AND AND AND AND AND AND A	CORPORATION NO NOTE SUBMITTED ORATION NO NOTE SUBMITTED ORATION ORATIO	ILLEGICLESTER THE MARKET OF HAM IN 15.7 on total bind to total submitted of the corporation was total bind to total submitted of total submitted o	STEM INC. NO BOOK CASAMILLA ILESCRICION LESCRICION LESCRICION	Section A-5 Bid Bond Consonation Index Submitted In Section A-5 Bid Bond In Section A-1 Bid	Bidders Name Bidders Name Bid Bond Section A-5 Bids Common Condition Con

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Exhibit A (5 of 9)

Attachment #2 - Bid Analysis

Prepared for Guam Waterworks Authority

Brown MCaldwell

Exhibit A (6 of 9)

GUAM WATERWORKS AUTHORITY Southern SSES Rehabilitation - Phase II (Baza Gardens, Santa Rita, Talofofo) Bid Schedule_Revision 2 Bid Tabulation

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Sanitary Service Laterals and Cleanouts	Seal and Recoat Manhole 4-feet Diameter (14' - 16'	Seal and Recoat Manhole 4-feet Diameter (12' - 14'	Seal and Recoat Manhole 4-feet Diameter (10' - 12'	Seal and Recoat Manhole 4-feet Diameter (8' - 10'	Seal and Recoat Manhole 4-feet Diameter (6' - 8' depth)	Seal and Recoat Manhole 4-feet Diameter (0 - 6' depth)	Replace Existing Manhole, Frame and Cover (paved	Raise Manhole 3-feet Above Grade	Sanitary Manhole Rehabilitation	Sanitary Sewer Main 8-inch Diameter (16' to 18' depth)	Sanitary Sewer Main 8-inch Diameter (14' to 16' depth)	Sanitary Sewer Main 8-inch Diamter (8' to 10' depth)	Install/Replace Sanitary Sewer (Off Roads)	Sanitary Sewer Main 8-inch Diameter (16' to 18' depth)	Sanitary Sewer Main 8-inch Diameter (14' to 16' depth)	Sanitary Sewer Main 8-inch Diameter (6' to 8' depth)	Sanitary Sewer Main 8-inch Diameter (0 to 6' depth)	install/Replace Sanitary Sewer (in Roads)	CCTV Inspection Sanitary Sewer Mains (8" to 12"	CCTV Sanitary Sewers	Medium Cleaning Sanitary Sewer Mains (8" to 12"	Cleaning Canifory Sewers	Bound Existing Markets	Remove Evicting Dine	Abandon or Remove Pine (Structure	bypass rumping	Concrete Curb and/or Curb & Gutter Replacement	Asphalt Roadway Replacement (2"- 4" thick w/base)	Road Crossing Pavement Restoration	Milling and Resurfacing	Concrete base (6" thick)	Road Work	Site Restoration	Fill Dirt	Unsuitable Materials Disposal	Erosion and Sediment Control	Site Clearing	Site Work	Archaeological Study Allowance Per Section 01015	Maintenance of Traffic	Project Record Documents (a minimum of 1% of the total of all bid items).	Mobilization, Demobilization, Bonds, and Permits (not to exceed 5% of the total of all bid items).	General	DESCRIPTION
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	\$ 7,920	\$ 7,260	\$ 5,610	\$ 4,950	\$ 4,290	\$ 3,960	\$ 5,000	\$ 7,000		\$ 375		\$ 300		\$ 550	\$ 500	\$ 350	\$ 300		\$ 10		\$ 10		3 0	\$ 75	\$ 75,000		\$ 45	\$ 145		\$ 78	\$ 68		\$ 10,000	\$ 26			\$ 24,870			\$ 45,000	\$ 24,168	\$ 80,561		ENGINEER UNIT
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	14,000.00	26,000.00	30,000.00	38,500.00		10,500.00		25,000.00		13,500.00	6,000.00	5,250.00		16,500.00	7,500.00	3,825.00	17,200.00		150,000.00		160,000.00	4,000.00	3 600 00	15.750.00	3,000.00	5 000 00	3,150.00	36,000.00	1,800.00	12,000.00	4,240.00		2,250.00	2,000.00	2,000.00	5,000.00	3,750.00		20,000.00 \$		11,600.00	\$ 58,000.00		PROPACIFIC BUILDER CORPORATION
	\$ 12,368.00	\$ 22,172.00	24,875.00	30,849.00	46,116.00	8,136.00	13,617.00	35,495.00		56,040.00	38,760.00	\$ 28,620.00					\$ 43,430.00 \$		\$ 18,000.00		\$ 82,000.00	3, 0, 00	4 797 00	\$ 7.980.00	33,470.00	\$ 33,476,00	> 5,490.00	61,440.00	4,908.00	10,560.00			7,882.50	2,240.00	2,240.00	1,499.00	\$ 6,760.50		20,000.00	\$ 24.452.00	\$ 14,950.00	\$ 74,750.00		PACIFIC RIM CONSTRUCTORS, INC.
	\$ 10,676.00	\$ 19,384.00						\$ 42,610.00	1	\$ 25,920.00	10	· tn		\$ 30,720.00	\$ 15,000.00		N		\$ 30,000.00		\$ 30,000.00		\$ 3,120,00	\$ 5.040.00		\$ 15,464.00	\$ 3,420.00	\$ 38,160.00	10	\$	S		\$ 22,362.00	\$ 2,160.00		\$ 12,589.00	\$ 35,376.00	ł		\$ 162,825,00	\$ 2,259.00	\$ 62,212,00		RELIABLE BUILDERS, INC

Exhibit A (7 of 9)

GUAM WATERWORKS AUTHORITY Southern SSES Rehabilitation - Phase II (Baza Gardens, Santa Rita, Talofofo) Bid Schedule_Revision 2 Bid Tabulation

\$ 1,513,000	\$ 1,495,000 \$	1,189,815 \$	1,611,222 \$	s						TOTAL	
\$ 274,010.00	\$ 9,900.00 \$	165,000.00 \$	275,000.00 \$	249.10 \$	\$ 9.00 \$	\$ 150 \$	\$ 250 \$	두	1,100	Wetland Access (Sheet AG-101)	-
										Special Site Access Conditions	XII.
\$ 402,500.00	\$ 486,220.00 \$	193,200.00 \$	483,000.00 \$	250.00 \$	\$ 302.00 \$	\$ 120 \$	\$ 300 \$	두	1,610	Sanitary Sewer Main CIPP Liner (8" diameter)	_
										Cured-In-Place Pipe (CIPP) Liner	XII.
\$ 1,468.00	\$ 8,224.00 \$	6,000.00 \$	6,000.00 \$	367.00 \$	\$ 2,056.00 \$	\$ 1,500 \$	\$ 1,500 \$	E	4	Install/Repair/Replace Sanitary Sewer Cleanout (Conc. Pavement)	6
\$ 1,588.00	\$ 8,224.00 \$	6,000.00 \$	6,000.00 \$	397.00 \$	\$ 2,056.00 \$	\$ 1,500 \$	\$ 1,500 \$	E	4	Install/Repair/Replace Sanitary Sewer Cleanout (Asphalt Pavement)	v
\$ 1,080.00	\$ 7,136.00 \$	4,800.00 \$	3,000.00 \$	\$ 270.00 \$	\$ 1,784.00 \$	\$ 1,200 \$	\$ 750 \$	E	4	Install/Repair/Replace Sanitary Sewer Cleanout (Grass Area)	4
\$ 28,752.00	\$ 35,496.00 \$	12,000.00 \$	30,000.00 \$	\$ 3,594.00 \$	\$ 4,437.00 \$	\$ 1,500 \$	\$ 3,750 \$	E	00	Install/Repair/Replace 4" Sanitary Sewer Lateral (6' to 10' depth @ main)	w
\$ 9,316.00	\$ 13,932.00 \$	3,200.00 \$	10,000.00 \$	\$ 2,329.00 \$	\$ 3,483.00 \$	\$ 800 \$	\$ 2,500 \$	E	4	Install/Repair/Replace 4" Sanitary Sewer Lateral (0 to 5' depth @ main)	2
\$ 10,950.00	\$ 29,170.00 \$	1,200.00 \$	30,000.00 \$	\$ 1,095.00 \$	\$ 2,917.00 \$	\$ 120 \$	\$ 3,000 \$	S	10	Reinstate Sanitary Sewer Lateral (CIPP)	1
RELIABLE BUILDERS, INC	PACIFIC RIM CONSTRUCTORS, INC.	PROPACIFIC BUILDER CORPORATION	ENGINEER'S PRICE C	RELIABLE BUILDERS, INC	PACIFIC RIM CONSTRUCTORS, INC.	PROPACIFIC BUILDER CORPORATION	UNIT ENGINEER UNIT PRICE	TINU	ESTIMATED QTY.	DESCRIPTION	Item#
	d Price	Extended Price			Price	Unit Price					

Definitions:
AC-Acre
LS-Lump Sum
CY-Cubic Yard
SY-Square Yard
LF-Linear Feet

Exhibit A (8 of 9)

Attachment #3 - Bid Proposals

Prepared for Guam Waterworks Authority

Brown AND Caldwell

Exhibit A (9 of 9)

Created by Online2PDF.com

Item#	DESCRIPTION			UNI	UNIT	EXTE	NDED PRICE
	General	PRICE Q	Υ.			_	
I	Mobilization, Demobilization, Bonds, and Permits (not to exceed 5% of the total	-	1.5	_			
1		1	LS	\$	-	\$	58,000.0
2	of all bid items). Project Record Documents (a minimum of 1% of the total of all bid items).		1.5	_		_	
2	Project Record Documents (a minimum of 1% of the total of all bio items).	1	LS	\$		\$	11,600.0
-			-	ļ		ļ. —	
3	Maintenance of Traffic	1	LS	\$_	+	\$	5,000.0
4	Archaeological Study Allowance Per Section 01015		-	\$	20,000.00	\$	20,000.0
11.	Site Work			<u> </u>			
1	Site Clearing	1.50	AC	_	2,500.00		3,750.0
1	Erosion and Sediment Control	1	LS	\$	5,000.00	\$	5,000.0
2	Unsuitable Materials Disposal	80	-	\$	25.00	_	2,000.0
3	Fill Dirt	80		\$	25.00	\$	2,000.0
4	Site Restoration	1.50	AC	\$	1,500.00	\$	2,250.0
III.	Road Work						
1	Concrete base (6" thick)	53	SY	\$	80.00	\$	4,240.0
2	Milling and Resurfacing	240	SY	\$	50.00	\$	12,000.0
3	Road Crossing Pavement Restoration	12	SY	\$	150.00	Ś	1,800.0
4	Asphalt Roadway Replacement (2"- 4" thick w/base)	240	SY	\$	150.00		36,000.0
5	Concrete Curb and/or Curb & Gutter Replacement	90		\$	35.00		3,150.0
IV.	Bypass Pumping	- 50	<u> </u>	1	33.00	Ť	5,130.0
1	Bypass Pumping for Sanitary Sewer Mains (6" to 12")	1	LS	Ś	5,000.00	ć	5,000.0
v.	Abandon or Remove Pipe/Structure	-	13	3	3,000.00	3	3,000.0
1	Remove Existing Pipe	210	1.5	<u>_</u>	75.00	-	45 750 0
2	Remove Existing Manhole	210		\$	75.00		15,750.0
		3	EA	5	1,200.00	5	3,600.0
VI.	Cleaning Sanitary Sewers		 			ļ	
1	Medium Cleaning Sanitary Sewer Mains (8" to 12" diameter)	2,000	LF	\$	80.00	\$	160,000.0
VII.	CCTV Sanitary Sewers		<u> </u>			_	
11	CCTV Inspection Sanitary Sewer Mains (8" to 12" diameter)	2,000	LF	\$	75.00	\$	150,000.0
/111.	Install/Replace Sanitary Sewer (In Roads)						
1	Sanitary Sewer Main 8-inch Diameter (0 to 6' depth)	86	LF	\$	200.00	\$	17,200.0
2	Sanitary Sewer Main 8-inch Diameter (6' to 8' depth)	17	LF	\$	225.00	\$	3,825.0
3	Sanitary Sewer Main 8-inch Diameter (14' to 16' depth)	30		\$	250.00	Ś	7,500.0
4	Sanitary Sewer Main 8-inch Diameter (16' to 18' depth)	60	LF		275.00		16,500.0
IX.	Install/Replace Sanitary Sewer (Off Roads)		 	Ť-	2.0.00		10,500.0
1	Sanitary Sewer Main 8-inch Diamter (8' to 10' depth)	30	LF	ć	175.00	¢	5,250.0
2	Sanitary Sewer Main 8-inch Diameter (14' to 16' depth)	30		\$	200.00		6,000.0
3	Sanitary Sewer Main 8-inch Diameter (16' to 18' depth)	60	LF		225.00	+	
Х.	Sanitary Manhole Rehabilitation	80	Lr	Þ	225.00	5	13,500.0
1	Raise Manhole 3-feet Above Grade		-	_	i	-	
45/		5	-	\$	5,000.00		25,000.0
2	Replace Existing Manhole, Frame and Cover (paved areas)	3	_	\$	4,500.00	-	13,500.0
3	Seal and Recoat Manhole 4-feet Diameter (0 - 6' depth)	3	-	\$	3,500.00	-	10,500.0
4	Seal and Recoat Manhole 4-feet Diameter (6' - 8' depth)	14	-	\$	5,000.00	-	70,000.0
5	Seal and Recoat Manhole 4-feet Diameter (8' - 10' depth)	7	EΑ	\$	5,500.00	\$	38,500.0
6	Seal and Recoat Manhole 4-feet Diameter (10' - 12' depth)	5	EA	\$	6,000.00	\$	30,000.00
7	Seal and Recoat Manhole 4-feet Diameter (12' - 14' depth)	4	EA	\$	6,500.00	\$	26,000.00
8	Seal and Recoat Manhole 4-feet Diameter (14' - 16' depth)	2	EA	\$	7,000.00	\$	14,000.00
XI.	Sanitary Service Laterals and Cleanouts			7=1			
1	Reinstate Sanitary Sewer Lateral (CIPP)	10	EA	\$	120.00	Ś	1,200.00
2	Install/Repair/Replace 4" Sanitary Sewer Lateral (0 to 5' depth @ main)	4	-	\$	800.00		3,200.00
			-	1	000.00	1	3,200.00
3	Install/Repair/Replace 4" Sanitary Sewer Lateral (6' to 10' depth @ main)	8	FA	4	1,500.00	4	42 000 0
,	mistan/hepan/hepiace 4 Samtany Sewer cateral to to 10 depth @ main	0	EA	\$	1,500.00	2	12,000.00
	Land-II (Daniel - IDaniel - Garier G. Charles A. C.		-				
4	Install/Repair/Replace Sanitary Sewer Cleanout (Grass Area)	4	•	\$	1,200.00		4,800.0
5	Install/Repair/Replace Sanitary Sewer Cleanout (Asphalt Pavement)	4	EA	\$	1,500.00	5	6,000.0
Item#	DESCRIPTION	ESTIMAT	ED	UNI	UNIT		EXTENDED PRIC
		PRICE QT	Υ				
6	Install/Repair/Replace Sanitary Sewer Cleanout (Conc. Pavement)	4	EA	\$	1,500.00	\$	6,000.00
XII.	Cured-In-Place Pipe (CIPP) Liner						
1	Sanitary Sewer Main CIPP Liner (8" diameter)	1,610	L.F.	\$	120.00	\$	193,200.00
XIII.	Special Site Access Conditions		200		11342-114		-,,-
1	Wetland Access (Sheet AG-101)	1,100	L.F.	5	150.00	\$	165,000.00
		_,		-	130.00	_	105,000.00
	TOTAL			-		\$	1 100 045 04
	P. S. Control of the	1 - 1				P	1,189,815.0

Definitions:

AC-Acre

LS-Lump Sum CY-Cubic Yard SY-Square Yard LF-Linear Feet