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GUAM CONSOLIDATED COMMISSION ON UTILITIES

RESOLUTION NO. 01-FY2016

**RELATIVE TO APPROVAL OF THE GWA LINE REPLACEMENT – PHASE IV
CONSTRUCTION CONTRACT**

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 was successful in its Line Replacement - Phase I, Phase II and Phase III projects that upgraded service laterals and replaced old and persistently leaking waterlines in various diameter, length, and locations islandwide; and

WHEREAS, GWA has replaced approximately 16,500 linear feet throughout the island and intends to continue the waterline replacement program as part of GWA’s efforts to reduce the non-revenue water rate as well as improvements to the system where service delivery has been below standard; and

WHEREAS, GWA has advertised the Invitation For Bid (IFB) soliciting bid proposals from experienced and responsive bidders for Phase IV of the project to provide construction services for service lateral upgrade and replacement of existing old and leaking waterlines with new pipes ranging in size from 2” to 8” diameter to reduce water loss in the potable water system; and

WHEREAS, this phase of work consists of furnishing all construction labor, tools, equipment and materials including coordination with GWA Water Operations and Engineering as well as the Department of Public Works to ensure all plan preparation and construction activities are in accordance with the applicable standards and requirements of the GWA and DPW; and

1
2 **WHEREAS**, IFB packages were picked up by thirteen (13) interested parties, from
3 which GWA received bid proposals from seven (7) of the thirteen parties (See Exhibit A - Bid
4 Summary at) before the bid proposal deadline; and

5
6 **WHEREAS**, The bid opening on September 11, 2015 revealed the apparent lowest
7 bidder was Black Construction whose Bid Proposal Form indicate their bid to Six Million
8 Eight Hundred Thirteen Thousand Three Hundred Thirty Two Dollars and Zero Cents
9 (\$6,813,332.00) however, further review of the apparent lowest bidder resulted in the discover
10 that Black Construction's bid proposal contained an error and that their bid proposal was
11 actually Sixteen Million Eight Hundred Thirteen Thousand Three Hundred Thirty Two Dollars
12 and Forty One Cents (\$16,813,332.41) which was subsequently confirmed from Black
13 Construction's September 15, 2015 letter to GWA (see Exhibit B - Black Letter); and

14
15 **WHEREAS**, the correct bid amount by Black Construction removed them as the
16 apparent lowest bidder which GWA communicated to Black Construction (see Exhibit C –
17 GWA letter) therefore GWA Engineering subsequently analyzed the next apparent lowest
18 bidder proposal and determined that Reliable Builders Inc. who had submitted the second
19 lowest bid in the amount of Seven Million Seven Hundred Forty Two Thousand Nine Hundred
20 Ninety Six Dollars and Thirty Eight Cents (\$7,742,996.38) was deemed not responsive for
21 failure to submit the unit costs as required in the bid package; and

22
23 **WHEREAS**, GWA Engineering therefore analyzed the third apparent lowest bidder
24 proposal who was Giant Construction Corporation and who had submitted a bid in the amount
25 of Seven Million Eight Hundred Eighty Seven Thousand Forty Six Dollars and Fifty Cents
26 (\$7,887,046.50); and.

27
28 **WHEREAS**, GWA Engineering's review and analysis of Giant Construction
29 Corporation's bid submittal determine the bid package was responsive and responsible; and

1 **WHEREAS**, GWA accepts Giant Construction Corporation bid proposal of Seven
2 Million Eight Hundred Eighty Seven Thousand Forty Six and Fifty Cents (\$7,887,046.50)
3 attached hereto (see Exhibit D - Bid Proposal); and
4

5 **WHEREAS**, GWA Management seeks CCU approval of the bid proposal amount of
6 Seven Million Eight Hundred Eighty Seven Thousand Forty Six Dollars and Fifty Cents
7 (\$7,887,046.50), along with a five percent (5%) contingency of Three Hundred Ninety Four
8 Thousand Three Hundred Fifty Two Dollars and Thirty Three Cents (\$394,352.33) to bring the
9 total authorized funding amount to Eight Million Two Hundred Eighty One Thousand Three
10 Hundred Ninety Eight Dollars and Eighty Three Cents (\$8,281,398.83); and
11

12 **WHEREAS**, the source of funding for the construction project will be from the Bond
13 proceeds under CIP PW 09-03 "Water Distribution System Pipe Replacement"; and
14

15 **NOW BE IT THEREFORE RESOLVED**, the Consolidated Commission on Utilities
16 does hereby approve and authorize the following:
17

- 18 1. The recitals set forth above hereby constitute the findings of the CCU.
- 19 2. The CCU finds that the terms of the bid proposal submitted by Giant
20 Construction Corp. are fair and reasonable.
- 21 3. The CCU finds that the terms of the conditions set by GWA relative to
22 commencement of subsequent work activities are fair and reasonable and
23 serve as a measure of Quality Assurance/Quality Control (QA/QC).
- 24 4. The CCU hereby authorizes the management of GWA to accept the bid
25 proposal from "Giant Construction Corp." attached hereto as Exhibit D, and
26 which is incorporated into this Resolution in its entirety.
- 27 5. The CCU hereby further authorizes the management to enter into a contract
28 with "Giant Construction Corp.", in the amount of Seven Million Eight
29 Hundred Eighty Seven Thousand Forty Six Dollars and Fifty Cents
30 (\$7,887,046.50).
- 31 6. The CCU hereby further approves the funding total of Seven Million Eight
32 Hundred Eighty Seven Thousand Forty Six Dollars and Fifty Cents

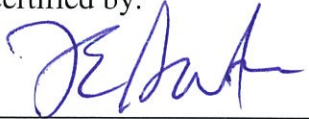
1 (\$7,887,046.50), along with a five percent (5%) contingency of Three
2 Hundred Ninety Four Thousand Three Hundred Fifty Two Dollars and
3 Thirty Three Cents (\$394,352.33) to bring the total authorized funding
4 amount to Eight Million Two Hundred Eighty One Thousand Three
5 Hundred Ninety Eight Dollars and Eighty Three Cents (\$8,281,398.83).

- 6 7. The CCU hereby further approves the source of funding for the construction
7 project will be from the Bond proceeds under CIP PW 09-03 "Water
8 Distribution System Pipe Replacement".
9

10 **RESOLVED**, that the Chairman certified and the Board Secretary attests to the
11 adoption of this Resolution.
12

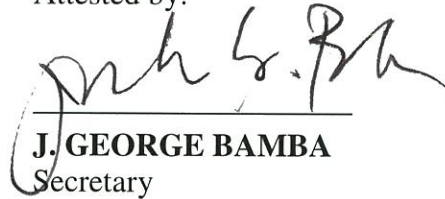
13 **DULY AND REGULARLY ADOPTED**, this 27th day of October 2015.
14

15 Certified by:

16 

17 **JOSEPH T. DUENAS**
18 Chairperson

15 Attested by:

16 

17 **J. GEORGE BAMBA**
18 Secretary

19
20 I, J. George Bamba, Board Secretary of the Consolidated Commission on Utilities as
21 evidenced by my signature above do hereby certify as follows:

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

26 AYES: 4
27 NAYS: 0
28 ABSTENTIONS: 0
29 ABSENT: 1
30
31
32



EXHIBIT A (1 of 1)

GUAM WATERWORKS AUTHORITY
ABSTRACT OF BIDS

Project Name: GWA LINE REPLACEMENT, PHASE IV
Project Number: IFB-02-ENG-2015; W15-003-BND

Bid Opening Date: September 11, 2015
Bid Opening Time: 3:00 p.m.

Bidders Name	Section A-5 Bid Bond	CERTIFICATIONS										TOTAL BID AMOUNT (Known + Unknown Locations)	
		Bidder Qualification Form	Non-Collusion Affidavit	EEO Certification	Non-Segregated Facilities	Sex Offender Certification	Wage & Benefit Determination	Major Shareholders Affidavit	Special Instructions to Bidders	Addendum			
									1	2	3	4	
1. ASANUMA CORPORATION	FEDERAL INSURANCE COMPANY (15% OF ACCOMPANYING BID)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	11,275,879.00
2. CHI CONSTRUCTION INC.													
3. BLACK CONSTRUCTION	Safeco Insurance Company of America (15% of Bid Amount)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	6,813,332.00
4. SUMITOMO MITSUI CONST. CO., LTD.	FEDERAL INSURANCE COMPANY (15% OF ACCOMPANYING BID)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	9,422,912.55
5. GIANT CONSTRUCTION CORPORATION	DONGBY INSURANCE CO. LTD. (15% OF TOTAL BID AMOUNT)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	7,887,046.50
6. J & B MODERN TECH													
7. MAEDA PACIFIC CORPORATION	FIDELITY AND DEPOSIT COMPANY OF MARYLAND (15% OF TOTAL BID AMOUNT)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10,468,987.50
8. RELIABLE BUILDERS	FEDERAL INSURANCE COMPANY (15% OF ACCOMPANYING BID)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	7,742,996.38
9. BME & SONS	FIDELITY AND DEPOSIT COMPANY OF MARYLAND (15% OF ACCOMPANYING BID)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	9,018,998.71
10. AISI													
11. HSG CO., LTD.													
12. PERNIX/INFRA TECH INTERNATIONAL, LLC													
13. PROPACIFIC BUILDER CORPORATION													
GWA Cost Estimate												10,012,600.00	

Tabulated By: CHEUK NAM YAM
 (Name and Signature)

GWA Procurement Representative: *[Signature]*
 (Name and Signature)

Witness: *[Signatures]*

EXHIBIT B (1 of 2)



General Contractors

A Tutor Perini Company

September 15, 2015

Guam Waterworks Authority
Gloria B. Nelson Public Service Building,
688 Route 15
Mangilao, Guam 96913

ATTENTION: Mr. Mark G. Miller, Interim General Manager & Mr. Thomas Cruz, Chief Engineer

Sent via email transmission to: miller@guamwaterworks.org; thomas@guamwaterworks.org

SUBJECT: IFB-02-ENG-2015, GWA Line Replacement, Phase IV, GWA Project No. W15-003-BND

Dear Mr. Miller,

Please be advised that Black Construction Corporation has discovered an error on the face of its Bid Proposal Form (Appendix A) for the GWA Line Replacement, Phase IV.

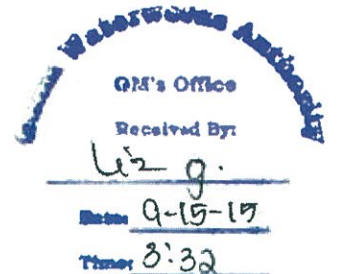
The bid amount as written in Appendix A is incorrect and should have repeated the value provided in the Grand Total Summary of Known and Unknown Locations wherein the sum is stated both in terms of words and figures: SIXTEEN MILLION EIGHT HUNDRED THIRTEEN THOUSAND THREE HUNDRED THIRTY TWO & 41/100 U.S. DOLLARS. (\$16,813,332.41)

We apologize for this oversight and any inconvenience that it may have caused and respectfully request the return of our bid bond since our price proposal greatly exceeds the competitive range.

Sincerely,
BLACK CONSTRUCTION CORPORATION

A handwritten signature in black ink, appearing to read "L. K. Kaae", written over a horizontal line.

Leonard K. Kaae
Senior Vice President and General Manager





General Contractors

A Tutor Perini Company

TRANSMITTAL

Date: September 15, 2015

Attention: Mark G. Miller

Company: Guam Waterworks Authority

Subject: GWA Line Replacement Phase IV

Dear Mr. Miller,

Pursuant to your conversation with Leonard Kaae, enclosed is BCC's correspondence referencing the subject project.

To confirm delivery, please acknowledge receipt by printing, signing and dating below.

Leiz G.

PRINT

SIGNATURE

9-15-15 @ 3:32

DATE

Respectfully,
Black Construction Corporation

Angela J. Massey
Executive Assistant to Leonard K. Kaae





GUAM WATERWORKS AUTHORITY

Gloria B. Nelson Public Service Bldg. • 688 Route 15, Mangilao, Guam 96913 • Tel. (671) 300-6042

September 21, 2015

Leonard K. Kaae
Senior Vice President & General Manager
Black Construction Corporation
P.O. Box 24667 GMF
Barrigada, Guam 96921

Re: GWA Line Replacement – Phase IV
GWA Project No. W15-003-BND

Hafa Adai Mr. Kaae,

This is in response to your letter dated September 15, 2015 advising the Guam Waterworks Authority (GWA) of your incorrect total bid amount indicated on the Bid Proposal form submitted to GWA on September 11, 2015 for the above referenced project and of your intent to withdraw your bid and seeking the return of your bid bond. Based on the fact that your bid stated on the bid form was for an amount of Six Million Eight Hundred Thirteen Thousand Three Hundred Thirty Two and Forty-One Cents (\$6,813,332.41) when it appeared the total line items exceeded Sixteen Million Dollars (\$16,000,000), GWA grants your request to withdraw your bid in accordance with 2 G.A.R. Section 3109(m)(4)(D).

Moreover, because BCC is non-responsive, your bid is hereby rejected and GWA will not award the project to BCC as rejecting your bid is in the best interest of the Guam Waterworks Authority. We are returning herewith the original of your bid security (Bid Bond) in accordance with the bid requirements. Should you have any questions, please submit them in writing to the person stated in the bid documents.

Sincerely,


MARK G. MILLER
Interim General Manager

Enclosure

Exhibit D (1 of 16)

Line Replacement -Phase IV

APPENDIX A

BID PROPOSAL FORM

DATE:

TO: General Manager
Guam Waterworks Authority
Gloria B. Nelson Public Service Building
688 Route 15
Mangilao, GU 96913

Dear Sir/Madam:

The undersigned ("Bidder"), a Corporation (Corporation or partnership or individual), organized and/or licensed to do business under the laws of Guam, hereby proposes and agrees to furnish all necessary labor, materials, equipment, tools and services necessary for the construction of the **IFB-02-ENG-2015 GWA Line Replacement - Phase IV; GWA Project No. W15-003-BND** in accordance with the Specifications and other Contract Documents herein for the sum of

(Bid Amount) \$7,887,046.50 (Seven Million Eight Hundred Eighty Seven Thousand Forty Six & 50/100)

plus any and all sums to be added and/or deducted resulted from all extra and/or omitted work under a change order or Contract amendment under the unit and/or lump sum prices stated in the itemized proposal form attached hereto.

The undersigned has examined the location of the proposed work, the drawings, specifications and other Contract Documents and is familiar with the local conditions at the place where the work is to be performed, agrees to perform all work within the time set forth; herein and the price stated in their bid.

The Bid Guaranty attached hereto without endorsement, in the sum of not less than fifteen percent (15%) of the highest amount the total aggregate bid, is furnished to the Guam Waterworks Authority as a guarantee that the Agreement will be executed and a Performance and Payment Bond and proof of insurance and other requirements set forth in the bid, in forms acceptable to GWA, shall be furnished within twenty (20) days after notification that the undersigned is the lowest responsible and responsive bidder. In the event that this Bid is accepted, and the undersigned bidder shall fail to: (1) provide any and all documents requested by GWA; (2) execute the Contract on terms and conditions acceptable to GWA; and (3) furnish a satisfactory performance and Payment Bond under the conditions and within the time specified in this Proposal, the equivalent amount of the Proposed Guaranty shall be forfeited, as liquidated damages for the delay and additional work and costs caused thereby in obtaining another bidder, said amount being beforehand determined as being reasonable and containing no penalties.

Exhibit D (2 of 16)

Line Replacement -Phase IV

If written notice that the bidder is the lowest responsible and responsive bidder, and such notice is mailed, telegraphed or delivered to the undersigned within one hundred and twenty (120) days after the opening thereof, the undersigned agrees to execute the a Contract on terms and conditions acceptable to GWA, and to furnish a Performance and Payment Bond in an amount equal to one hundred percent (100%) of the Contract Amount, within twenty (20) days after receipt of such notice.

The undersigned hereby acknowledges receipt of the following Addenda:

Addendum No.	Dated:
<u>Addendum No. 1</u>	<u>Aug. 03, 2015</u>
<u>Addendum No. 2</u>	<u>Aug. 21, 2015</u>
<u>Addendum No. 3</u>	<u>Sep. 08, 2015</u>
<u>Addendum No. 4</u>	<u>Sep. 09, 2015</u>

If awarded the Contract, the undersigned agrees to complete the work within 730 calendar days following the execution of the Contract by all parties thereto and the issuance of the Notice to Proceed from GWA.

Attached hereto are the following: (1) an affidavit in proof that the undersigned has not entered into any collusion with any person in respect to this proposal or any other proposal or the submitting of proposals for the Contract for which this bid is submitted; (2) proof of licensure on Guam to conduct the services specified in the bid; (3) proof of insurance in the types and amounts specified in the bid, including certificates and a copy of the complete policies which indicates coverages and exclusions; (4) Certification of Non-Employment of Convicted Sex Offenders; and (5) any other document requested under per the Bid Specifications.

The undersigned understands that the Guam Waterworks Authority reserves the right to reject any or all Proposals or to waive any informality or technicality in any Proposal in the interest of GWA.

RESPECTFULLY SUBMITTED BY: Giant Construction Corp.
(CONTRACTOR)

Chung, In Chul
(BY)

Vice-President
(TITLE)

308 E. Harmon Industrial Park Harmon Guam 96913
(BUSINESS ADDRESS)

Exhibit D (3 of 16)

GWA Line Replacement- Phase IV Project GWA Project No. W15-003-BND

The lowest overall bid will be determined by adding up the total from the "known location" bid schedule and the " unknown location " bid schedule

Table 1 : Pipe Upgrade = **CHALAN KODA/MATAGUAC, DEDEDO**

Base Bid Description: The base bid generally consists of complete performance of work (material, labor, and equipments) required for the replacement and upgrades of existing old and leaking 2-inch galvanized. 4-inch asbestos 6-inch asbestos, and 8-inch asbestos waterline with new PVC pipes and apurtenances; reconnection of existing service connections and tapping to the main line, complete in place and ready for use

Pay Item	Description	BASE BID			
		Qty.	Unit	Unit Cost	Sub-Total
1.0 General Requiements		1	LS		
1.1	Mobilization /Demolization	1	LS	\$11,000.00	\$11,000.00
1.2	Bonding Fee & Insurance	1	LS	\$42,000.00	\$42,000.00
1.3	Permit application Fee	1	LS	\$26,000.00	\$26,000.00
1.4	Right of Way Confirmation	1	LS	\$3,800.00	\$3,800.00
1.5	Construction drawings	1	LS	\$52,000.00	\$52,000.00
2.0 Pipe Replacement					
2.1	Upgrade of existing 2" galvanize pipes, with new 6" diameter PVC pipes, necessary fittings including excavation, backfill, and flowable fill concrete in place	33,600	LF	\$40.00	\$1,344,000.00
2.2	Reconnection of existing house laterals, complete in place	350	EA	\$960.00	\$336,000.00
2.3	Service line extension 1" diameter or smaller including fittings, excavation, backfill, and flowable fill complete in place	1	LS	\$50,000.00	\$50,000.00
2.4	Fire hydrant including connection fittings, isolation valve, guard post complete in place	33	EA	\$5,000.00	\$165,000.00
2.5	Permanent road restoration including flowabfill concrete, steel plate cover, 2" thick hot mix asphalt	1	LS	\$58,000.00	\$58,000.00
2.6	Disinfection of new waterline	1	LS	\$20,000.00	\$20,000.00
2.7	Retap to the existing water main line, complete in Place	4	EA	\$4,500.00	\$18,000.00
2.8	Abandon existing waterline in place with cap/plug	1	LS	\$10,000.00	\$10,000.00
2.9	Air relief valve assembly	17	EA	\$4,000.00	\$68,000.00
2.10	Blow off valve assembly	18	EA	\$4,000.00	\$72,000.00
2.11	6" Gate valve with valve box frame and cover	28	EA	\$1,350.00	\$37,800.00
3.0 Project Completion					
3.1	As-built drawing	1	LS	\$5,800.00	\$5,800.00
Sub-Total				\$	\$2,319,400.00

Exhibit D (4 of 16)

GWA Line Replacement- Phase IV Project GWA Project No. W15-003-BND

Table 2 : Pipe Upgrade = AGAFA GUMAS, YIGO

Base Bid Description: The base bid generally consists of complete performance of work (material, labor, and equipments) required for the replacement and upgrades of existing old and leaking 2-inch galvanized. 4-inch asbestos 6-inch asbestos, and 8-inch asbestos waterline with new PVC pipes and apurtenances; reconnection of existing service connections and tapping to the main line, complete in place and ready for use

Pay Item	Description	BASE BID			
		Qty.	Unit	Unit Cost	Sub-Total
1.0 General Requiements			LS		
1.1	Mobilization /Demolization	1	LS	\$10,000.00	\$10,000.00
1.2	Bonding Fee & Insurance	1	LS	\$18,500.00	\$18,500.00
1.3	Permit application Fee	1	LS	\$13,000.00	\$13,000.00
1.4	Right of Way Confirmation	1	LS	\$2,500.00	\$2,500.00
1.5	Construction drawings	1	LS	\$28,000.00	\$28,000.00
2.0 Pipe Replacement					
2.1	Upgrade of existing 2" galvanize pipes, with new 6" diameter PVC pipes, necessary fittings including excavation, backfill, and flowable fill concrete in place	11,150	LF	\$44.00	\$490,600.00
2.2	Reconnection of existing house laterals, complete in place	112	EA	\$1,000.00	\$112,000.00
2.3	Service line extension 1" diameter or smaller including fittings, excavation, backfill, and flowable fill complete in place	1	LS	\$13,000.00	\$13,000.00
2.4	Fire hydrant including connection fittings, isolation valve, guard post complete in place	19	EA	\$5,000.00	\$95,000.00
2.5	Permanent road restoration including flowabfill concrete, steel plate cover, 2" thick hot mix asphalt	1	LS	\$48,000.00	\$48,000.00
2.6	Disinfection of new waterline	1	LS	\$9,000.00	\$9,000.00
2.7	Retap to the existing water main line, complete in Place	2	EA	\$5,000.00	\$10,000.00
2.8	Abandon existing waterline in place with cap/plug	1	LS	\$6,000.00	\$6,000.00
2.9	Air relief valve assembly	5	EA	\$4,000.00	\$20,000.00
2.10	Blow off valve assembly	6	EA	\$4,000.00	\$24,000.00
2.11	6" Gate valve with valve box frame and cover	28	EA	\$1,400.00	\$39,200.00
2.12	Remove and plug with concrete the existing valve box match with existing asphalt	19	EA	\$300.00	\$5,700.00
2.13	Remove and plug with concrete the existing fire hydrant	9	EA	\$350.00	\$3,150.00
3.0 Project Completion					
3.1	As-built drawing	1	LS	\$3,500.00	\$3,500.00
Sub-Total				\$	\$951,150.00

Exhibit D (5 of 16)

GWA Line Replacement- Phase IV Project GWA Project No. W15-003-BND

Table 3 : Pipe Upgrade = SANTA ROSA SUBDIVISION, SANTA RITA

Base Bid Description: The base bid generally consists of complete performance of work (material, labor, and equipments) required for the replacement and upgrades of existing old and leaking 2-inch galvanized, 4-inch asbestos 6-inch asbestos, and 8-inch asbestos waterline with new PVC pipes and apurtenances; reconnection of existing service connections and tapping to the main line, complete in place and ready for use

Pay Item	Description	BASE BID			
		Qty.	Unit	Unit Cost	Sub-Total
1.0 General Requelements		1	LS		
1.1	Mobilization /Demolization	1	LS	\$10,000.00	\$10,000.00
1.2	Bonding Fee & Insurance	1	LS	\$31,000.00	\$31,000.00
1.3	Permit application Fee	1	LS	\$21,000.00	\$21,000.00
1.4	Right of Way Confirmation	1	LS	\$3,500.00	\$3,500.00
1.5	Construction drawings	1	LS	\$38,000.00	\$38,000.00
2.0 Pipe Replacement					
2.1 A	Replacement of existing 6" asbestos pipes with new 6" diameter PVC pipes, fittings including excavation, backfill, and flowable fill concret in place	3,510	LF	\$48.00	\$168,480.00
2.1 B	Replacement of existing 8" asbestos pipes with new 8" diameter PVC pipes, fittings including excavation, backfill, and flowable fill concret in place	6,650		\$52.00	\$345,800.00
2.2	Reconnection of existing house laterals, complete in place	215	EA	\$950.00	\$204,250.00
2.3	Service line extension 1" diameter or smaller including fittings, excavation, backfill, and flowable fill complete in place	1	LS	\$68,000.00	\$68,000.00
2.4	Fire hydrant including connection fittings, isolation valve, guard post complete in place	19	EA	\$5,400.00	\$102,600.00
2.5	Permanent road restoration including flowabfill concrete, steel plate cover, 2" thick hot mix asphalt	1	LS	\$673,000.00	\$673,000.00
2.6	Disinfection of new waterline	1	LS	\$19,000.00	\$19,000.00
2.7	Retap to the existing water main line, complete in Place	1	LS	\$6,000.00	\$6,000.00
2.8	Abandon existing waterline in place with cap/plug	1	LS	\$3,500.00	\$3,500.00
2.9	Air relief valve assembly	6	EA	\$4,000.00	\$24,000.00
2.10	Blow off valve assembly	6	EA	\$4,000.00	\$24,000.00
2.11	6" Gate valve with valve box frame and cover	10	EA	\$1,400.00	\$14,000.00
2.12	8" Gate valve with valve box frame and cover	19	EA	\$1,700.00	\$32,300.00
2.13	Remove and plug with concrete the existing valve box match with existing asphalt	47	EA	\$300.00	\$14,100.00
2.14	Remove and plug with concrete the existing fire hydrant	19	EA	\$350.00	\$6,650.00
3.0 Project Completion					
3.1	As-built drawing	1	LS	\$4,200.00	\$4,200.00
Sub-Total				\$	\$ 1,813,380.00

Exhibit D (6 of 16)

GWA Line Replacement- Phase IV Project GWA Project No. W15-003-BND

Table 4 : Pipe Upgrade = ASSUMPTION DRIVE, PITI

Base Bid Description: The base bid generally consists of complete performance of work (material, labor, and equipments) required for the replacement and upgrades of existing old and leaking 2-Inch galvanized. 4-inch asbestos 6-inch asbestos, and 8-inch asbestos waterline with new PVC pipes and apurtenances; reconnection of existing service connections and tapping to the main line, complete in place and ready for use

Pay Item	Description	BASE BID			
		Qty.	Unit	Unit Cost	Sub-Total
1.0 General Requiements		1	LS		
1.1	Mobilization /Demolization	1	LS	\$4,000.00	\$4,000.00
1.2	Bonding Fee & Insurance	1	LS	\$5,000.00	\$5,000.00
1.3	Permit application Fee	1	LS	\$2,300.00	\$2,300.00
1.4	Right of Way Confirmation	1	LS	\$600.00	\$600.00
1.5	Construction drawings	1	LS	\$6,000.00	\$6,000.00
2.0 Pipe Replacement					
2.1	Upgrade of existing 2" galvanize pipes, with new 6" diameter PVC pipes, necessary fittings including excavation, backfill, and flowable fill concrete in place	1,885	LF	\$43.00	\$81,055.00
2.2	Reconnection of existing house laterals, complete in place	3	EA	\$1,000.00	\$3,000.00
2.3	Service line extension 1" diameter or smaller including fittings, excavation, backfill, and flowable fill complete in place	1	LS	\$400.00	\$400.00
2.4	Fire hydrant including connection fittings, isolation valve, guard post complete in place	3	EA	\$5,000.00	\$15,000.00
2.5	Permanent road restoration includingflowabfill concrete steel plate, 2" thick hot mix asphalt	1	LS	\$16,800.00	\$16,800.00
2.6	Disinfection of new waterline	1	LS	\$3,000.00	\$3,000.00
2.7	Retap to the existing water main line, complete in Place	4	EA	\$3,800.00	\$15,200.00
2.8	Abandon existing waterline in place with cap/plug	1	LS	\$4,500.00	\$4,500.00
2.9	Air relief valve assembly	1	EA	\$4,000.00	\$4,000.00
2.10	6" Gate valve with valve box frame and cover	5	EA	\$1,400.00	\$7,000.00
2.11	6" Ductile pipe Bridge crossing work	1	LS	\$10,000.00	\$10,000.00
3.0 Project Completion					
3.1	As-built drawing	1	LS	\$2,100.00	\$2,100.00
Sub-Total				\$	\$179,955.00

Exhibit D (7 of 16)

GWA Line Replacement- Phase IV Project GWA Project No. W15-003-BND

Table 5 : Pipe Upgrade = **CHALAN FAMHA, CHALAN PAGO**

Base Bid Description: The base bid generally consists of complete performance of work (material, labor, and equipments) required for the replacement and upgrades of existing old and leaking 2-inch galvanized. 4-inch asbestos 6-inch asbestos, and 8-inch asbestos waterline with new PVC pipes and apurtenances; reconnection of existing service connections and tapping to the main line, complete in place and ready for use

Pay Item	Description	BASE BID			
		Qty.	Unit	Unit Cost	Sub-Total
1.0 General Reuquirements		1	LS		
1.1	Mobilization /Demolization	1	LS	\$10,000.00	\$10,000.00
1.2	Bonding Fee & Insurance	1	LS	\$16,500.00	\$16,500.00
1.3	Permit application Fee	1	LS	\$9,500.00	\$9,500.00
1.4	Right of Way Confirmation	1	LS	\$3,000.00	\$3,000.00
1.5	Construction drawings	1	LS	\$19,000.00	\$19,000.00
2.0 Pipe Replacement					
2.1	Upgrade of existing 2" galvanize pipes, with new 6" diameter PVC pipes, necessary fittings including excavation, backfill, and flowable fill concrete in place	11,650	LF	\$40.00	\$466,000.00
2.2	Reconnection of existing house laterals, complete in place	56	EA	\$900.00	\$50,400.00
2.3	Service line extension 1" diameter or smaller including fittings, excavation, backfill, and flowable fill complete in place	1	LS	\$10,500.00	\$10,500.00
2.4	Fire hydrant including connection fittings, isolation valve, guard post complete in place	10	EA	\$5,000.00	\$50,000.00
2.5	Permanent road restoration including flowabfill concrete steel plate, 2" thick hot mix asphalt	1	LS	\$17,000.00	\$17,000.00
2.6	Disinfection of new waterline	1	LS	\$15,000.00	\$15,000.00
2.7	Retap to the existing water main line, complete in Place	1	LS	\$5,500.00	\$5,500.00
2.8	Abandon existing waterline in place with cap/plug	1	LS	\$2,800.00	\$2,800.00
2.9	Air relief valve assembly	8	EA	\$4,000.00	\$32,000.00
2.10	Blow off valve assembly	8	EA	\$4,000.00	\$32,000.00
2.11	6" Gate valve with valve box frame and cover	11	EA	\$1,350.00	\$14,850.00
3.0 Project Completion					
3.1	As-built drawing	1	LS	\$3,000.00	\$3,000.00
Sub-Total				\$	\$757,050.00

Exhibit D (8 of 16)

GWA Line Replacement- Phase IV Project
GWA Project No. W15-003-BND

Table 6 : Pipe Upgrade = **HAHASU, DEDEDO**

Base Bid Description: The base bid generally consists of complete performance of work (material, labor, and equipments) required for the replacement and upgrades of existing old and leaking 2-inch galvanized, 4-inch asbestos 6-inch asbestos, and 8-inch asbestos waterline with new PVC pipes and appurtenances; reconnection of existing service connections and tapping to the main line, complete in place and ready for use

Pay Item	Description	BASE BID			
		Qty.	Unit	Unit Cost	Sub-Total
1.0 General Requiements		1	LS		
1.1	Mobilization /Demolization	1	LS	\$4,500.00	\$4,500.00
1.2	Bonding Fee & Insurance	1	LS	\$9,500.00	\$9,500.00
1.3	Permit application Fee	1	LS	\$4,800.00	\$4,800.00
1.4	Right of Way Confirmation	1	LS	\$1,300.00	\$1,300.00
1.5	Construction drawings	1	LS	\$9,500.00	\$9,500.00
2.0 Pipe Replacement					
2.1	Upgrade of existing 2" galvanize pipes with new 6" diameter PVC pipes including excavation, backfill, and flowable fill concret in place	4,000	LF	\$42.00	\$168,000.00
2.2	Reconnection of existing house laterals, complete in place	75	EA	\$900.00	\$67,500.00
2.3	Service line extension 1" diameter or smaller including fittings, complete in place	1	LS	\$15,000.00	\$15,000.00
2.4	Fire hydrant including connection, isolation valve, guard post complete in place	4	EA	\$5,000.00	\$20,000.00
2.5	Permanent road restoration including flowabfill concrete, steel plate cover, 2" thick hot mix asphalt	1	LS	\$38,000.00	\$38,000.00
2.6	Disinfection of new waterline	1	LS	\$4,000.00	\$4,000.00
2.7	Retap to the existing water main line, complete in Place	2	EA	\$5,000.00	\$10,000.00
2.8	Abandon existing waterline in place with cap/plug	1	LS	\$6,500.00	\$6,500.00
2.9	Air relief valve assembly	2	EA	\$4,300.00	\$8,600.00
2.1	Blow off valve assembly	3	EA	\$3,800.00	\$11,400.00
2.11	6" Gate valve with valve box frame and cover	4	EA	\$1,350.00	\$5,400.00
3.0 Project Completion					
3.1	As-built drawing	1	LS	\$2,500.00	\$2,500.00
Sub-Total				\$	\$386,500.00

Exhibit D (9 of 16)

GWA Line Replacement- Phase IV Project GWA Project No. W15-003-BND

Table 7 : Pipe Upgrade = **FLORES PAGO, LATTE HEIGHTS, MANGILAO**

Base Bid Description: The base bid generally consists of complete performance of work (material, labor, and equipments) required for the replacement and upgrades of existing old and leaking 2-inch galvanized. 4-inch asbestos 6-inch asbestos, and 8-inch asbestos waterline with new PVC pipes and appurtenances; reconnection of existing service connections and tapping to the main line, complete in place and ready for use

Pay Item	Description	BASE BID			
		Qty.	Unit	Unit Cost	Sub-Total
1.0 General Requiements		1	LS		
1.1	Mobilization /Demolization	1	LS	\$1,800.00	\$1,800.00
1.2	Bonding Fee & Insurance	1	LS	\$3,300.00	\$3,300.00
1.3	Permit application Fee	1	LS	\$1,400.00	\$1,400.00
1.4	Right of Way Confirmation	1	LS	\$500.00	\$500.00
1.5	Construction drawings	1	LS	\$2,500.00	\$2,500.00
2.0 Pipe Replacement					
2.1	Upgrade of existing 2" galvanize pipes with new 6" diameter PVC pipes including excavation, backfill, and flowable fill concret in place	820	LF	\$42.00	\$34,440.00
2.2	Reconnection of existing house laterals, complete in place	24	EA	\$950.00	\$22,800.00
2.3	Service line extension 1" diameter or smaller including fittings, complete in place	1	LS	\$4,000.00	\$4,000.00
2.4	Fire hydrant including connection, isolation valve, guard post complete in place	1	EA	\$5,000.00	\$5,000.00
2.5	Permanent road restoration including flowabfill concrete, steel plate cover, 2" thick hot mix asphalt	1	LS	\$9,500.00	\$9,500.00
2.6	Disinfection of new waterline	1	LS	\$1,600.00	\$1,600.00
2.7	Retap to the existing water main line, complete in Place	1	EA	\$4,200.00	\$4,200.00
2.8	Abandon existing waterline in place with cap/plug	1	LS	\$1,800.00	\$1,800.00
2.9	Air relief valve assembly	1	EA	\$4,300.00	\$4,300.00
3.0 Project Completion					
3.1	As-built drawing	1	LS	\$1,000.00	\$1,000.00
Sub-Total				\$	\$98,140.00

Exhibit D (10 of 16)

GWA Line Replacement- Phase IV Project GWA Project No. W15-003-BND

Table 8 : Pipe Upgrade = **CHALAN ENRIQUE ROSARIO, YIGO**

Base Bid Description: The base bid generally consists of complete performance of work (material, labor, and equipments) required for the replacement and upgrades of existing old and leaking 2-inch galvanized. 4-inch asbestos 6-inch asbestos, and 8-inch asbestos waterline with new PVC pipes and apurtenances; reconnection of existing service connections and tapping to the main line, complete in place and ready for use

Pay Item	Description	BASE BID			
		Qty.	Unit	Unit Cost	Sub-Total
1.0 General Requiements		1	LS		
1.1	Mobilization /Demolization	1	LS	\$10,000.00	\$10,000.00
1.2	Bonding Fee & Insurance	1	LS	\$18,800.00	\$18,800.00
1.3	Permit application Fee	1	LS	\$11,500.00	\$11,500.00
1.4	Right of Way Confirmation	1	LS	\$2,900.00	\$2,900.00
1.5	Construction drawings	1	LS	\$21,800.00	\$21,800.00
2.0 Pipe Replacement					
2.1	Upgrade of existing 2" galvanize pipes with new 6" diameter PVC pipes including excavation, backfill, and flowable fill concret in place	11,880	LF	\$41.00	\$487,080.00
2.2	Reconnection of existing house laterals, complete in place	70	EA	\$950.00	\$66,500.00
2.3	Service line extension 1" diameter or smaller including fittings, complete in place	1	LS	\$7,000.00	\$7,000.00
2.4	Fire hydrant including connection, isolation valve, guard post complete in place	14	EA	\$5,000.00	\$70,000.00
2.5	Permanent road restoration including flowabfill concrete, steel plate cover, 2" thick hot mix asphalt	1	LS	\$37,000.00	\$37,000.00
2.6	Disinfection of new waterline	1	LS	\$12,000.00	\$12,000.00
2.7	Retap to the existing water main line, complete in Place	2	EA	\$4,000.00	\$8,000.00
2.8	Abandon existing waterline in place with cap/plug	3	LS	\$2,000.00	\$6,000.00
2.9	Air relief valve assembly	7	EA	\$4,300.00	\$30,100.00
2.10	Blow off valve assembly	10	EA	\$4,000.00	\$40,000.00
2.11	6" Gate valve with valve box frame and cover	14	EA	\$1,350.00	\$18,900.00
3.0 Project Completion					
3.1	As-built drawing	1	LS	\$3,800.00	\$3,800.00
Sub-Total				\$	\$851,380.00

Exhibit D (11 of 16)

GWA Line Replacement- Phase IV Project
GWA Project No. W15-003-BND

Table 9 : Pipe Upgrade = **ACHU MALI (ARECA PALMS), MANGILAO**

Base Bid Description: The base bid generally consists of complete performance of work (material, labor, and equipments) required for the replacement and upgrades of existing old and leaking 2-inch galvanized, 4-inch asbestos 6-inch asbestos, and 8-inch asbestos waterline with new PVC pipes and appurtenances; reconnection of existing service connections and tapping to the main line, complete in place and ready for use

Pay Item	Description	BASE BID			
		Qty.	Unit	Unit Cost	Sub-Total
1.0 General Requiements		1	LS		
1.1	Mobilization /Demolization	1	LS	\$1,500.00	\$1,500.00
1.2	Bonding Fee & Insurance	1	LS	\$5,000.00	\$5,000.00
1.3	Permit application Fee	1	LS	\$2,400.00	\$2,400.00
1.4	Right of Way Confirmation	1	LS	\$1,000.00	\$1,000.00
1.5	Construction drawings	1	LS	\$5,200.00	\$5,200.00
2.0 Pipe Replacement					
2.1	Upgrade of existing 2" galvanize pipes with new 6" diameter PVC pipes including excavation, backfill, and flowable fill concret in place	2,460	LF	\$40.00	\$98,400.00
2.2	Reconnection of existing house laterals, complete in place	30	EA	\$950.00	\$28,500.00
2.3	Service line extension 1" diameter or smaller including fittings, complete in place	1	LS	\$2,500.00	\$2,500.00
2.4	Fire hydrant including connection, isolation valve, guard post complete in place	4	EA	\$5,000.00	\$20,000.00
2.5	Permanent road restoration including flowabfill concrete, steel plate cover, 2" thick hot mix asphalt	1	LS	\$12,000.00	\$12,000.00
2.6	Disinfection of new waterline	1	LS	\$2,600.00	\$2,600.00
2.7	Retap to the existing water main line, complete in Place	1	EA	\$4,000.00	\$4,000.00
2.8	Abandon existing waterline in place with cap/plug	1	LS	\$1,400.00	\$1,400.00
2.9	Air relief valve assembly	1	EA	\$4,300.00	\$4,300.00
2.10	Blow off valve assembly	1	EA	\$4,000.00	\$4,000.00
2.11	6" Gate valve with valve box frame and cover	2	EA	\$1,350.00	\$2,700.00
3.0 Project Completion					
3.1	As-built drawing	1	LS	\$1,200.00	\$1,200.00
Sub-Total				\$	\$196,700.00

Exhibit D (12 of 16)

GWA Line Replacement- Phase IV Project GWA Project No. W15-003-BND

Table 10 : Pipe Upgrade = **CHALAN AGUON (MANENGGON), YONA**

Base Bid Description: The base bid generally consists of complete performance of work (material, labor, and equipments) required for the replacement and upgrades of existing old and leaking 2-inch galvanized. 4-inch asbestos 6-inch asbestos, and 8-inch asbestos waterline with new PVC pipes and apurtenances; reconnection of existing service connections and tapping to the main line, complete in place and ready for use

Pay Item	Description	BASE BID			
		Qty.	Unit	Unit Cost	Sub-Total
1.0 General Requiements		1	LS		
1.1	Mobilization /Demolization	1	LS	\$2,300.00	\$2,300.00
1.2	Bonding Fee & Insurance	1	LS	\$4,500.00	\$4,500.00
1.3	Permit application Fee	1	LS	\$2,200.00	\$2,200.00
1.4	Right of Way Confirmation	1	LS	\$800.00	\$800.00
1.5	Construction drawings	1	LS	\$4,500.00	\$4,500.00
2.0 Pipe Replacement					
2.1	Replacement of existing 6" asbestos pipes with new 6" diameter PVC pipes including excavation, backfill, and flowable fill concret in place	2,300	LF	\$41.00	\$94,300.00
2.2	Reconnection of existing house laterals, complete in place	12	EA	\$950.00	\$11,400.00
2.3	Service line extension 1" diameter or smaller including fittings, complete in place	1	LS	\$1,200.00	\$1,200.00
2.4	Fire hydrant including connection, isolation valve, guard post complete in place	3	EA	\$5,000.00	\$15,000.00
2.5	Permanent road restoration including flowabfill concrete, steel plate cover, 2" thick hot mix asphalt	1	LS	\$9,500.00	\$9,500.00
2.6	Disinfection of new waterline	1	LS	\$3,000.00	\$3,000.00
2.7	Retap to the existing water main line, complete in Place	2	EA	\$4,000.00	\$8,000.00
2.8	Abandon existing waterline in place with cap/plug	2	LS	\$3,500.00	\$7,000.00
2.9	Air relief valve assembly	1	EA	\$4,300.00	\$4,300.00
2.10	Blow off valve assembly	1	EA	\$4,000.00	\$4,000.00
2.11	6" Gate valve with valve box frame and cover	3	EA	\$1,350.00	\$4,050.00
3.0 Project Completion					
3.1	As-built drawing	1	LS	\$2,500.00	\$2,500.00
Sub-Total				\$	\$178,550.00

GWA Leak Repair Project - Phase IV
GWA Project No. W15-003-BND

REPLACEMENT/UPGRADE AT UNKNOWN LOCATION

Table A: 2-inch and Below Waterline Repair = 60 Total Units

Description Base Bid: Excavate around leak, install 2-inch and below Single Repair Clamp, provide bedding material, backfill, and flowable fill on trench 4 ft. and deeper and all appurtenances complete in place. Provide required curing time with use of steel plate. Subsequently provide cold mix asphalt temporarily for traffic use. Finish with 2" thick hot mix asphalt or match existing pavement thickness, whichever is greater.

Pay Item	Description	BASE BID												SUPPLEMENT BID					
		A. Northern Area = 20 Units			B. Central Area = 20 Units			C. Southern Area = 20 Units			A. Northern Area		B. Central Area		C. Southern Area				
		Qty & Unit	Unit Cost	Sub-Total	Qty & Unit	Unit Cost	Sub-Total	Qty & Unit	Unit Cost	Sub-Total	Unit Cost	Sub-Total	Unit Cost	Sub-Total	Unit Cost	Sub-Total			
Mobilization																			
01010(a)	Mobilization / Utility Clearances	1 LS	100	\$ 2,000.00	1 LS	100	\$ 2,000.00	1 LS	100	\$ 2,000.00									
01011(a)	Traffic Control	1 LS	100	\$ 2,000.00	1 LS	100	\$ 2,000.00												
Line Repair																			
02501(e)	2" Diameter and Below Single Repair Clamp	1 EA	200	\$ 4,000.00	1 EA	200	\$ 4,000.00												
Equipment																			
02501(k)	Backhoe w/ Operator	2 HR			2 HR														
02501(l)	Dump Truck w/ Operator	2 HR			2 HR														
02501(r)	Jack Hammer	1 HR	40	\$ 800.00	1 HR	40	\$ 800.00												
02501(s)	Compact Rammer	1 HR	40	\$ 800.00	1 HR	40	\$ 800.00												
02501(o)	Trash Pump complete with hoses	1 LS			1 LS														
Site Restoration																			
02222(e)	Flowable Fill (2' W x 3' L x 2' D)	0.88 CY			0.88 CY														
02505(a)	Pavement Removal and temporary restoration with Cold Mix Asphalt (2.5' W x 3.5' L)	0.97 SY	70	\$ 1,358.00	0.97 SY	70	\$ 1,358.00												
02505(b)	Permanent Restoration with 2" Thick Hot Mix Asphalt (4.5' W x 5.5' L)	5.5 SY	150	\$ 16,500.00	5.5 SY	150	\$ 16,500.00												
02505(c)	1" Thick Hot Asphalt Friction Course	5.5 SY			5.5 SY														
Sub-Total				\$ 27,458.00			\$ 27,458.00												

Sub-Total Table A Base Bid (A+B+C) \$ 82,374.00
 Total Table A (Base + Supplement Bid) \$ 135,234.00

Sub-Total Table A Supplement Bid (A+B+C) \$ 52,860.00

FOR: SUPPLEMENT Bid
 Use base Bid Area Units, Quantity and Unit

Table B: Basic Line Repair (Single Clamp) 4" Pipe = 5 Total Units

Description Base Bid: Excavate around leak, install 4-inch and below Single Repair Clamp, provide bedding material, backfill, flowable fill and all appurtenances, complete in place. Provide required curing time with use of steel plate and pave with cold mix asphalt temporarily for traffic use. Finish with 2" thick hot mix asphalt or match existing pavement thickness, whichever is greater.

Pay Item	Description	BASE BID												SUPPLEMENT BID					
		A. Northern Area = 2 Units			B. Central Area = 2 Units			C. Southern Area = 1 Units			A. Northern Area		B. Central Area		C. Southern Area				
		Qty & Unit	Unit Cost	Sub-Total	Qty & Unit	Unit Cost	Sub-Total	Qty & Unit	Unit Cost	Sub-Total	Unit Cost	Sub-Total	Unit Cost	Sub-Total	Unit Cost	Sub-Total			
Mobilization																			
01010(a)	Mobilization / Utility Clearances	1 LS	100	\$ 200.00	1 LS	100	\$ 200.00	1 LS	100	\$ 100.00									
01011(a)	Traffic Control	1 LS	100	\$ 200.00	1 LS	100	\$ 200.00												
Line Repair																			
02501(a)	4" Diameter and Below Single Repair Clamp	1 EA	270	\$ 540.00	1 EA	270	\$ 540.00	1 EA	270	\$ 270.00									
Equipment																			
02501(k)	Backhoe w/ Operator	2 HR			2 HR			2 HR											
02501(l)	Dump Truck w/ Operator	2 HR			2 HR			2 HR											
02501(r)	Jack Hammer	2 HR	40	\$ 160.00	2 HR	40	\$ 160.00	2 HR	40	\$ 80.00									
02501(s)	Compact Rammer	1 HR	50	\$ 100.00	1 HR	50	\$ 100.00	1 HR	50	\$ 50.00									
02501(c)	Trash Pump complete with hoses	1 LS			1 LS			1 LS											
Site Restoration																			
02222(e)	Flowable Fill (2' W x 3' L x 2' D)	.44 CY	200	\$ 176.00	.44 CY	200	\$ 176.00	.44 CY	200	\$ 88.00									
02505(e)	Pavement Removal and temporary restoration with Cold Mix Asphalt (2.5' W x 3.5' L)	.97 SY	70	\$ 135.80	.97 SY	70	\$ 135.80	.97 SY	70	\$ 67.90									
02505(b)	Permanent Restoration with 2" Thick Hot Mix Asphalt (4.5' W x 5.5' L)	2.75 SY	150	\$ 825.00	2.75 SY	150	\$ 825.00	2.75 SY	150	\$ 412.50									
02505(c)	1" Thick Hot Asphalt Friction Course	2.75SY			2.75 SY			2.75 SY											
Sub-Total				\$ 2,336.80			\$ 2,336.80			\$ 1,168.40			\$ 1,355.00			\$ 1,355.00			
Sub-Total Table B Base Bid (A+B+C)				\$ 5,842.00															\$ 3,387.50
Total Table B (Base + Supplement Bid)				\$ 9,229.50															\$ 3,387.50

Table C: Basic Line Repair (Single Clamp) 6" Pipe = 5 Total Units

Description Base Bid: Excavate around leak, install 4-inch and below Single Repair Clamp, provide bedding material, backfill, flowable fill and all appurtenances, complete in place. Provide required curing time with use of steel plate and pave with cold mix asphalt temporarily for traffic use. Finish with 2" thick hot mix asphalt or match existing pavement thickness, whichever is greater.

Pay Item	Description	BASE BID						SUPPLEMENT BID						
		A. Northern Area = 2 Units		B. Central Area = 2 Units		C. Southern Area = 1 Unit		A. Northern Area		B. Central Area		C. Southern Area		
		Qty & Unit	Unit Cost	Sub-Total	Qty & Unit	Unit Cost	Sub-Total	Qty & Unit	Unit Cost	Sub-Total	Unit Cost	Sub-Total	Unit Cost	Sub-Total
Mobilization														
01010(a)	Mobilization / Utility Clearances	1 LS	200	\$ 400.00	1 LS	200	\$ 400.00	1 LS	200	\$ 200.00				
01011(a)	Traffic Control	1 LS	150	\$ 300.00	1 LS	150	\$ 300.00	1 LS	150	\$ 150.00				
Line Repair														
02501(a)	4" Diameter and Below Single Repair	1 EA	300	\$ 600.00	1 EA	300	\$ 600.00	1 EA	300	\$ 300.00				
Equipment														
02501(k)	Backhoe w/ Operator	2 HR			2 HR			2 HR						
02501(l)	Dump Truck w/ Operator	2 HR			2 HR			2 HR						
02501(r)	Jack Hammer	2 HR	60	\$ 240.00	2 HR	60	\$ 240.00	2 HR	60	\$ 120.00				
02501(s)	Compact Rammer	1 HR	50	\$ 100.00	1 HR	50	\$ 100.00	1 HR	50	\$ 50.00				
02501(o)	Trash Pump complete with hoses	1 LS			1 LS			1 LS						
Site Restoration														
02222(a)	Flowable Fill (2' W x 3' L x 2' D)	.44 CY	200	\$ 176.00	.44 CY	200	\$ 176.00	.44 CY	200	\$ 88.00				
02505(a)	Pavement Removal and temporary restoration with Cold Mix Asphalt	.97 SY	80	\$ 155.20	.97 SY	80	\$ 155.20	.97 SY	80	\$ 77.60				
02505(b)	Permanent Restoration with 2" Thick Hot Mix Asphalt (4.5' W x 5.5' L)	2.75 SY	150	\$ 825.00	2.75 SY	150	\$ 825.00	2.75 SY	150	\$ 412.50				
02505(c)	1" Thick Hot Asphalt Friction Course	2.75SY			2.75 SY			2.75 SY						
Sub-Total				\$ 2,796.20			\$ 2,796.20			\$ 1,388.10			\$ 1,355.00	\$ 55.00
Sub-Total Table B Base Bid (A+B+C)				\$ 6,990.50			\$ 6,990.50			\$ 1,388.10			\$ 1,355.00	\$ 55.00
Total Table B (Base + Supplement Bid)				\$ 10,378.00			\$ 10,378.00			\$ 1,388.10			\$ 1,355.00	\$ 55.00
Sub-Total Table B Supplement Bid (A+B+C)				\$ 3,387.50			\$ 3,387.50			\$ 1,388.10			\$ 1,355.00	\$ 55.00

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GWA Line Replacement Phase IV Project GWA Project No. W15-003-BND

BID AMOUNT

A. Known Location		
Table 1	CHALAN KODA/MATAGUAC, Yigo	\$ <u>2,319,400.00</u>
Table 2	AGAFI GUMAS, YIGO	\$ <u>951,150.00</u>
Table 3	SANTA ROSA SUBDIVISION, SANTA RITA	\$ <u>1,813,380.00</u>
Table 4	ASSUMPTION DRIVE, PITI	\$ <u>179,955.00</u>
Table 5	CHALAN FAMHA, CHALAN PAGO	\$ <u>757,050.00</u>
Table 6	HAHASU, DEDEDO	\$ <u>386,500.00</u>
Table 7	FLORES PAGO, LATTE HEIGHTS, MANGILAO	\$ <u>98,140.00</u>
Table 8	CHALAN ENRIQUE ROSARIO, YIGO	\$ <u>851,380.00</u>
Table 9	ACHU MALI (ARECA PALMS), MANGILAO	\$ <u>196,700.00</u>
Table 10	CHALAN AGUON (MANENGGON), YONA	\$ <u>178,550.00</u>
	SUB-TOTAL	\$ <u><u>7,732,205.00</u></u>
B. Unknown Location		
Table A	2" and Below Waterline Repair (Base + Supplement)	\$ <u>135,234.00</u>
Table B	Basic Line Repair 4" Pipe (Base + Supplement)	\$ <u>9,229.50</u>
Table C	Basic Line Repair 6" Pipe (Base + Supplement)	\$ <u>10,378.00</u>
	SUB-TOTAL	\$ <u><u>154,841.50</u></u>
	GRAND TOTAL (Known Location + Unknown Location)	\$ <u><u>7,887,046.50</u></u>

Total Bid Amount (in words) :

***** Seven Million Eight Hundred Eighty Seven Thousand Forty Six & 50/100 *****
