THERESA G. ROJAS, ESQ. Legal Counsel Guam Waterworks Authority Gloria B. Nelson Public Service Building 688 Route 15 Mangilao, Guam 96913 Telephone No: (671) 300-6848 Fax: (671) 648-3290 Email: tgrojas@guamwaterworks.org 6 7 BEFORE THE GUAM PUBLIC UTILITIES COMMISSION 8 9 IN THE MATTER OF: 10

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GWA DOCKET NO. 22-02

THE PETITION OF THE GUAM WATERWORKS AUTHORITY TO APPROVE CHANGE ORDER NO. 5 WITH GIANT **CONSTRUCTION CORP. FOR** GROUNDWATER PRODUCTION METER REPLACEMENT PROJECT: GWA PROJECT NO. W19-001-BND.

NOTICE OF FILING: GWA RESOLUTION NO. 02-FY2022

COMES NOW, the GUAM WATERWORKS AUTHORITY ("GWA"), by and through its counsel of record, THERESA G. ROJAS, ESQ., and hereby files GWA Resolution No. 02-FY2022, as approved by the CCU on October 26, 2021, and its supporting exhibits (A-01 to A-18), in support of GWA's October 18, 2021, Petition for PUC Review to Approve Change Order No. 5 with Giant Construction Corporation.

RESPECTFULLY SUBMITTED this 28th day of October, 2021.

Theresa G. Rojas Digitally signed by Theresa G. Rojas Date: 2021.10.28 10:19:39 +10'00' By:

THERESA G. ROJAS **GWA Legal Counsel**

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. 02-FY2022

RELATIVE TO APPROVAL OF CHANGE ORDER NO. 5 FOR THE GROUNDWATER PRODUCTION METER REPLACEMENT PROJECT GWA PROJECT NO. W19-001-BND

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 retained Brown and Caldwell to develop bid-ready plans and specifications to replace faulty flow meters and to correct and standardize well head discharge piping for improvement in metering accuracy for 60 critical production wells; and

WHEREAS, in anticipation of funding shortfall, the bid schedule was divided into Basic Bid, Additive Bid No.1 and Additive Bid No.2 (See Exhibit C); and

WHEREAS, the bid schedule states in the event the lowest responsive and responsible Bid exceeds the available budget, GWA may reject individual Bid items until the Bid amount fits within the available budget. If additional funding is obtained after the contract is executed, any or all deleted Bid items may be restored via Change Order (See Exhibit C); and

WHEREAS, on October 29, 2019, the CCU approved Resolution 04-FY2020 (See Exhibit D) authorizing GWA Management to enter into a contract with Giant Construction Corporation to provide construction services for the replacement of the above-ground discharge piping and meter for 30 critical production wells to improve measurement of the volume of

 groundwater that is produced from the wells and mitigate the under-or-over reported total production; and

WHEREAS, the above noted resolution approved the funding of One million Three Hundred Seventy-Nine Thousand Four Hundred Five Dollars (\$1,379,405.00), along with a ten percent (10%) contingency of One Hundred Thirty-Seven Thousand Nine Hundred Forty Dollars and Fifty Cents (\$137,940.50) to bring the total authorized funding amount to One Million Five Hundred Seventeen Thousand Three Hundred Forty-Five Dollars and Fifty Cents (\$1,517,345.50); and

WHEREAS, to address construction and material supply issues related to the initial Basic Bid scope, GWA Management has subsequently approved Change Order Nos. 1, 2, and 3 (See Exhibit E) with Giant Construction Corporation having an aggregate cost of Sixty-Four Thousand Four Dollars and Forty-Three Cents (\$64,004.43) which increased the total authorized contract value from One million Three Hundred Seventy-Nine Thousand Four Hundred Five Dollars (\$1,379,405.00) to One Million Four Hundred Forty Three Thousand Four Hundred Nine Dollars and Forty Three Cents (\$1,443,409.43), and adjusted the balance of the authorized contingency from One Hundred Thirty-Seven Thousand Nine Hundred Forty Dollars and Fifty Cents (\$137,940.50) to Seventy-Three Thousand Nine Hundred Thirty Six Dollars and Seven Cents (\$73,936.07); and

WHEREAS, due to operational issues on isolating the wells that has been delaying the Contractor's work progress, GWA has replaced two production wells listed in the Basic Bid Schedule with two other production wells with same wellhead size and similar length of the above-ground discharge piping, and is processing a no-cost Change Order no. 4 to reflect the changes (See Exhibit E); and

WHEREAS, Giant Construction Corporation to date has substantially completed the replacement of the above-ground discharge piping and meter for the 30 critical production wells that include 28 production wells listed in the Basic Bid Schedule; and

WHEREAS, GWA Management seeks to continue replacement of the above-ground discharge piping and meter to meet the original intent of the project; and

WHEREAS, GWA Management seeks to change order the existing contract scope with Giant Construction Corporation by adding the 15 critical production wells listed in Additive Bid No. 1; and

WHEREAS, GWA Management seeks CCU approval of Change Order No. 5 (See Exhibit A) with Giant Construction Corporation for Additive Bid No. 1 at the bid price of Six Hundred Eighty-Seven Thousand Nine Hundred-Sixty Dollars (\$687,960.00) plus an escalation cost of Fifty Three Thousand Seven Hundred Eighty-Four Dollars and Sixty Five Cents (\$53,784.65) which will bring the total change order amount to Seven Hundred Forty-One Thousand Seven Hundred Forty-Four Dollars and Sixty Five Cents (\$741,744.65) (See Exhibit B); and

WHEREAS, the escalation cost claimed by Giant Construction Corporation accounts for the increase in price of ductile iron pressure pipe, fittings, and meters from suppliers and are considered reasonable bringing the bid price dated September 27, 2019 to current; and

WHEREAS, the current total authorized amount of One Million Five Hundred Seventeen Thousand Three Hundred Forty-Five Dollars and Fifty Cents (\$1,517,345.50), which consists of the current total contract value of One Million Four Hundred Forty Three Thousand Four Hundred Nine Dollars and Forty Three Cents (\$1,443,409.43) and an adjusted contingency balance of Seventy Three Thousand Nine Hundred Thirty Six Dollars and Seven Cents (\$73,936.07), plus the proposed Change Order No. 5 amount of Seven Hundred Forty-One Thousand Seven Hundred Forty-Four Dollars and Sixty Five Cents (\$741,744.65) will bring the total authorized funding amount to Two Million Two Hundred Fifty Nine Thousand Ninety Dollars and Fifteen Cents (\$2,259,090.15); and

WHEREAS, funding for Change Order no. 5 will be PW 05-07 (Meter Replacement Program) and MP-PW-Misc-02 (Master Meter Implementation and Ongoing Meter Repl.); and

 WHEREAS, GWA Management further seeks CCU approval to petition the Public Utilities Commission approval of the contract given this project meets the Contract Review Protocol requirements for GWA projects for which the use of Bond funds is intended.

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

- 1. The recitals set forth above hereby constitute the findings of the CCU.
- The CCU finds that the terms of the 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).
- The CCU hereby authorizes the management of GWA to accept the change order proposal from "Giant Construction Corporation." attached hereto as Exhibit A and which is incorporated into this Resolution in its entirety.
- 4. The CCU hereby further authorizes the management of GWA to execute the Change Order No. 5 with "Giant Construction Corporation" in the amount Seven Hundred Forty-One Thousand Seven Hundred Forty-Four Dollars and Sixty-Five Cents (\$741,744.65).
- 5. The CCU hereby further approves the funding of the current authorized amount of One Million Five Hundred Seventeen Thousand Three Hundred Forty-Five Dollars and Fifty Cents (\$1,517,345.50) plus the Change Order No. 5 amount of Seven Hundred Forty-One Thousand Seven Hundred Forty-Four Dollars and Sixty-Five Cents (\$741,744.65) to bring the total authorized funding amount to Two Million Two Hundred Fifty-Nine Thousand Ninety Dollars and Fifteen Cents (\$2,259,090.15).
- The CCU hereby further approves the funding for this Change Order No. 5
 from the 2020 Bond MP-PW-Misc-02 (Master meter Implementation and
 Ongoing Meter Replacement) and 2013 Bond PW 05-07 (Meter Replacement
 Program).
- The CCU hereby further authorizes the management of GWA to petition the PUC's approval of the Change Order No. 5.

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

DULY AND REGULARLY ADOPTED, this 26th day of October 2021.

Certified by:

Attested by:

JOSEPH T. DUENAS

Chairperson

MICHAEL T. LIMTIACO

Secretary

SECRETARY'S CERTIFICATE

I, Michael T. Limtiaco, 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: 3

NAYS:

ABSENT: Z

ABSTAIN:





GUAM WATERWORKS AUTHORITY
Gloria B. Nelson Public Service Building
688 Route 15, Mangilao, Guam 96913

CHANGE ORDER NO. 5

Project Title:	GROUNDWATER PR	ODUCTION	METER REPLACEM	ENT		
Project No.:	W19-001-BND	IFB No.	05-ENG-2019			
Contractor:	GIANT CONSTRUCT	ION CORPO	RATION		N	TP Date: APRIL 29,2020
TO: GIANT CO	NSTRUCTION CORPOR	ATION				
	o make changes noted be		ubject contract. The	changes are accer	ated by:	
			,	manger are accep	nou by.	
Contractor Boor	esentative (PRINT)		PREPARED BY			
Contractor Repri	esentative (PRINT)			Ernesto Villa Project Engin		Date
				r roject Engin	eer, GWA	`
			REVIEWED BY			
				Barbara Cru		Date
			RECOMMEND	Senior Engine	er Super	visor, GVVA
Contractor Repres	sentative (SIGNATURE)	Date	APPROVAL	:	7 - 2	
				Brett E. Ra		Date
				Acting Chief E	ingineer,	GWA
NATURE OF CHA						
1. Scope of Char As of 10/01/21	iges: , all the 30 deep wells inc	ludad in proi	act scope have been	aubatantially as me	data d. Th	- 1-1-1
prepared by Br	own and Caldwell was in	tended to re	ect scope have been	substantially comp	neted. In	e bid scope of work
production wel	ls. In anticipation of a fund	ding shortfal	the bid schedule wa	s broken down to	y and met (1) Rasic I	Bid for 30 wells (2)
Additive Bid No	o. 1 for 15 wells, and (3) A	Additive bid 1	lo 2 for another 15 w	ells The hid sche	dule has	a provison that states
"in the event th	ne lowest responsive and	responsible	Rid exceeds the avail	elis. The blu scrie	may roio	a provisori that states
until the bid an	nount fits within the availa	ble budget i	f additional funding is	obtained after the	contract i	is executed any and all
deleted Bid ite	ms may be restored via cl	hange order	"	obtained after the	Contract	s executed, arry arru arr
In line with orig	inal intent of the project to	o improve m	easurement of volume	e of groundwater th	nat is prod	luced from the wells
and mitigate th	e under-or-over reported	total product	ion, this change order	will add to the ori	ginal proje	ect scope the 15 deep
wells listed in A	Additive Bid No. 1.		, and analysis	viii dad to trio ori	giriai proje	our scope the 15 deep
2. Net Change in	Cost - \$741,744.65					
	Extension - 215 calendar	days from th	ne approval of the cha	nge order		
	ESULT IN THE FOLLOW					
	r to this Change Order				\$	1,443,409.43
	rom this Change Order				Ψ	741,744.65
Revised contract p	orice after this Change Or	der			\$	2,185,154.08
THE CHANGES R	ESULT IN THE FOLLOW	/ING ADJUS	STMENT OF CONTRA	ACT TIME:		
Contract time prior	to this Change Order, with	th breakdow	n given below		624	Calendar Days
Net INCREASE fi	rom this Change Order v	vith breakdown giv	en below (subject to approved to	erms and conditions)"	215	CD after CO Approval
	me after this Change Ord				To be ac	djusted after CO Approval
Revised Contract I	Expiration Date after this (Change Orde	er			ljusted after CO Approval
CERTIFIED FUND	S AVAII ARI F:					
Vendor No.:	18155					
Contract No.:	832-OS					
Funding Source:	2013 BOND PW 05-07 & N	AD DW MICO	.00			
_		VIP-PVV-IVIISC				
G.L. NO.: _	W344.105321.420000			Taling M. Taitano		SFM Date
Amount: _	\$741,744.65			Chief Financial Of	ficer	
APPROVED AS TO	O FORM:			APPROVED:		
Theresa G. Rojas	Date	_		Miguel C. Bordallo	DE	Data
Legal Counsel, GV				General Manager		Date
J 2 O, O .				Conciai Manager	. GVVA	



Sep. 22, 2021

Miguel C. Bordallo, P.E.
General Manager
Guam Waterworks Authority
Gloria B. Nelson Public Service Building
688 Route 15
Mangilao, Guam 96913

Attention: Barbara C. Cruz P.E. / Acting Chief Engineer

Project:

Groundwater Well Production Meter Replacement

GWA Project No. W19-001-BND

Subject: Change Order No. 04 - Additive Bid No. 01

Dear Ms. Cruz,

Hafa Adai! As a result of several communications between GWA and Giant Construction Corp. about the subject matter, we are pleased to submit our cost proposal to complete the 15 deep wells listed in Additive Bid No. 01 (See attached bid proposal).

Our bid price for Additive Bid No. 01 was \$687,960.00. On july 7, 2021, we advised GWA of the \$53,784.65 price escalation for piping materials from the bidding date on September 27, 2019 to July 7, 2021, thus increasing the Additive Bid No. 01 price to \$741,744.65.

At your request, we are confirming that Giant Construction Corp. will hold-on the escalated price of \$741,744.65 until November 30, 2021, and that any price increases from the date of this letter up to November 30, 2021 will be absorbed by Giant Construction Corp..

We plan to complete the 15 deep wells included in Additive Bid No. 01 within 210 days from approval date of this change order as shown in the attached work schedule. Please note that actual replacement of the above ground discharge piping will take only 15 weeks for us to complete due experience gained from the original contract.

Your approval of the change order is greatly appreciated. Should you have any question, please feel free to contact me at 489-2713.

Sincerely yours,

Chung, in Chul Vice Preisdent E-mail: giantconst@gmail.com

Tel.: (671) 649-6472 • Fax.: (671) 646-3693

July 7, 2021

Guam Waterworks Authority

Mr. Miguel Bordalio P.E. General Manager Gloria B. Nelson Public Service Building 688 Route 15 Mangila, Guam 96913

Atten: Mr. Ernie Villarin/Project Manager

Project: GWA Project No. W19-001-BND, Additive Bid No. 1

Subject: Material Price Increase for Groundwater Well Production Meter Replacement Project

Dear Mr Villarin!

Giant Construction Corp. kindly requests that GWA reflects the increased material price to the Additive Bid No. 1 for 15 EA deep wells.

The price of materials has changed since the original quotation due to Covid-19. The total cost of Additive Bid No. 1 of 15 deep wells would be \$326,748.38. For your reference, please see the following price changes

ITEM	Original	Additive 1	Difference
DI Spool & Fitting	\$51,227.32	\$82,745.12	\$31,517.80
2. Check valve & Butterfly valve etc.,	\$97,973.67	\$96,462.21	-\$1,511.46
HDG valve and Fitting	\$12,412.27	\$13,925.60	\$1,513.33
PVC pipe and Fitting	\$3,782.53	\$5,642.78	
5. Pipe support	\$19,454.69	\$24,393.14	
6. Freight	\$14,643.25	\$15,049.53	\$406.28
7. Water Flow meter15 ea	\$73,470.00	\$88,530.00	\$15,060.00
TOTAL of Well 15 ea	\$272,963.73	\$326,748.38	\$53,784.65

Your kind consideration will be greatly appreciated. Should you have any questions, please feel free to contact us.

Sincerely yours,

Inchul Chung/Vice-President

Sep. 22, 2021

Guam Waterworks Authority

Project: Groundwater Well Production Meter Replacement

Subject	: Sequence of construction and work sch							-																											
		PRO.	ECT TITLE	- GROUNDW	IAT	ER V	WELL	PRO	DU	CTIO	ME.	TER	RE	PLA	CEN	MEN	ΤP	ROJ	ECT					e.	12				M.		_				
		9	SEQUEN	ICE OF CO	NO	IST	RU	CTIC	ON	IAI	VD I	w	OR	KS	SCF	1EI	DU	LE														-	-		_
ITEMS	TASKS	START	END	DURATION WORK DAYS	Г	Dec	-21	T	J	an-22	2	T	Fe	b-22	,	Г	Mar	-22	Т	4	pr-	22	75	- 1	Ma	y-22	2	I	Ju	n-22	2		Jul-	-22	_
1	Submitaals/shop Drawing	12.06.21	12.20.21	16				T				T	1	1	-	-			20	7	-	10		+	7	0 1 2	3 3	0 0	13	20	21	1	11	18	25
2	Permits	12.06.21	2.06.22	62								T	†	T	П				1	†	+	+	7	+	+	+	+	+	+	+	+	Н	\vdash	\vdash	
3	Ordering of Materials	12.20.21	03.20.22	90									1	18	20				\dashv	\forall	+	+	+	+	+	+	+	+	+	+	+	Н	\vdash		
4	Meter Testing at GWA/MTF	03.21.22	04.03.21	13				1			+	1	T							+	+	+	+	+	+	+	+	+	+	+	+	Н	\vdash		-
5	Assemble material for Pressure Testing	03.21.22	04.17.22	28		\Box	\top	T		T	\top	†	T		\Box							+	+	+	+	+	+	+	+	+	+	Н	H	\dashv	-
6	Pressure Test and Disinfection	04.04.22	5.01.22	27			\top	T		\vdash	+	†	T	T	\Box						1			+	+	+	+	+	+	+	\vdash	H	\vdash	\dashv	\dashv
7	Field installation	10.11.21	12.27.21	77		\Box	\top	1		+	+	t	t						1		T		1	+	+	+	+	+	+	+	\vdash	Н	\vdash	\dashv	-
7-1	Well A-15	05.02.22	05.08.22	6			\top	T		\vdash	+	\vdash	T		\Box			-	+	+	+	+	1		+	+	+	+	+	+	+	\vdash	+	-	\dashv
7-2	Well F-16	05.02.22	05.08.22	6		П	\top	T		\vdash	+	\vdash	†		\Box		\dashv	\forall	\forall	+	+	+	+		+	+	+	+	+	+	\vdash	H	1	\dashv	\dashv
7-3	Well D-19	05.09.22	05.15.22	7		\Box	\top	†		\vdash	+	+	\vdash	\vdash	\Box		\dashv	\dashv	+	+	+	+	+			+	+	+	+	+	H	H	+	\dashv	\dashv
7-4	Well M-23	05.09.22	05.15.22	7		\Box	\top	1		\vdash	+	\vdash	\vdash	\vdash	\Box		\forall	1	+	+	+	+	+		-	+	+	+	+	+	Н	H	+	\dashv	\dashv
7-5	Well A-21	05.16.22	05.22.22	7			\top	\vdash		+	+	\vdash	\vdash	\vdash	\vdash		1	1	+	+	+	+	+				+	+	+	+	H	H	+	+	-
7-6	Well EX-11	05.16.22	05.22.22	7			\top	\vdash		\vdash	+	t	†	\Box				\dashv	+	+	+	+	+	+	+		+	+	+	+	Н	\vdash	+	+	\dashv
7-7	Well A-08	05.23.22	05.29.22	7		\Box	\top			\vdash	+	t	\vdash	\Box			1	+	+	+	+	+	+	+	+	1	8	+	+	+	H	\vdash	+	+	\dashv
7-8	Well D-15	05.23.22	05.29.22	7			\top			\vdash	+	\vdash	\vdash	\vdash	Н		+	+	+	+	+	+	+	+	+	10	-	+	+	+	Н	\vdash	+	+	\dashv
7-9	Well F-19	05.30.22	06.05.22	7			\top			1	+		\vdash	\forall	\forall		+	+	+	+	+	+	+	+	+	-	1	+	+	+	H	\vdash	+	+	\dashv
7-10	Well F-20	05.30.22	06.05.22	7			\top			\vdash	+	1	\vdash	\Box			1	1	+	+	+	$^{+}$	$^{+}$	+	+	+	+	+	+	+	Н	\vdash	+	+	\dashv
7-11	Well M-21	06.06.22	06.12.22	7		\forall	+			\vdash	+		\vdash	\vdash	\dashv		+	+	+	+	+	+	+	+	+	+	+		-	+	\vdash	\vdash	+	+	\dashv
7-12	Well D-28	06.06.22	06.12.22	7		\Box	_			\vdash	+	\vdash	H	\Box	\forall		\forall	+	+	+	+	+	+	+	+	+	+	10	1	+	H	\vdash	+	+	\dashv
7-13	Well D-07	06.13.22	06.19.22	7	-		1			-	+	-	-		1		+	+	+	+	+	+	+	+	+	+	+	-		+	+	\vdash	+	+	-
7-14	Well D-06	06.13.22	06.19.22	7			\top			1	+		-	\vdash	\dashv	-	+	+	+	+	+	+	+	+	+	+	+	+	-	-	H	\vdash	+	+	\dashv
7-15	Well D-02	06.20.22	06.23.22	4		\forall				\vdash	+		-	\vdash	\dashv	\dashv	+	+	+	+	+	+	+	+	+	+	+	+	-	驗	H	+	+	+	\dashv
8	Fianl Clean up	06.24.22	07.04.22	10		1	+			+	+			\vdash	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	133			+	+	\dashv

Submitted By:

Chrung, in Construction

Addendum No. 1

Groundwater Well Production Meter Replacement GWA Project No. W19-001-BND BASIC BID Item Description Unit Est. **Unit Price Bid Price** No. Quantity Mobilization and Demobilization \$ 64.9at - \$ 64.9at.00 (Maximum of 5% of the sum of Bid 1 LS 1 Price Items 2 thru 31) 2 Well Y-15 \$ 43.800,00 \$ 43.800,00 LS 1 3 Well Y-07 \$ 44.800.00 \$ 44.800.00 LS 1 \$ 43,800,00 \$ 43.800.00 Well Y-20 LS 1 \$ 43.800.00 \$_ Well Y-19 43,800,00 LS 1 \$ 43.800.00 \$ 43, 800.00 6 Well AG-02A LS 1 \$ 43.800.00 \$ 7 43,800,00 Well Y-09 LS 1 8 Well HGC-2 \$ 43, Bov. vo \$ 43,800,00 LS 1 \$ 44. 800 bp \$ 9 Well F-15 44.800.00 LS 1 \$ 49,800 on \$ 49, 800,00 10 Well H-01 LS 1 \$ 44.200.00 \$ 44,200,00 Well Y-14 11 LS 1 39.500.00 \$ 39.500.00 \$ 12 Well D-25 LS 1 Well D-27 44,200,00 13 \$ 44.200.00 \$_ LS 1 14 Well F-13 LS 1 \$ 444.200, by \$_ 44,200,00 Well Y-21A \$ 43,200,00 \$ 15 43,200,00 LS 1 16 Well M-18 44, 200,00 \$ 44.20.00 \$ LS 1 43.200,W 17 Well Y-22 \$ 43,200, m \$ LS 1 \$ 41,500,00 \$ 41.500, W Well Y-23 18 LS 1

Addendum No. 1

19	Well Y-17	LS	1	\$ 44.500.00	\$ 44.500.00
20	Well D-01	LS	1	\$ 49.800,00	\$ 49.800.00
21	Well EX-05	LS	1	\$ 40,800.00	\$ 40,800,00
22	Well Y-18	LS	1	\$ 43,600,00	\$ 43.600.00
23	Well AG-01	LS	1	\$ <u>39.800,</u> 60	\$ 39.800,00
24	Well Y-10	LS	1	\$ 40.500,00	\$ 40,500,00
25	Well D-26	LS	1	\$ 42.600.00	\$ 42,600.00
26	Well A-04	LS	1	\$ 49, 400,00	\$ 49.400.00
27	Well F-17	LS	1	\$ 39,100,00	\$ 39,500,00
28	Well F-18	LS	1	\$ 39,500.W	\$ 39.500.00
29	Well A-13	LS	1	\$ 48.800.00	\$ 48,800,00
30	Well Y-12	LS	1	\$ 39. Com as	\$ 39.500.00
31	Well A-10	LS	1	\$ 49, 800.00	\$ 49,800.00
		\$ 1.379,405,00			

Groundwater Well Production Meter Replacement GWA Project No. W19-001-BND

ADDITIVE BID NO. 1

Item No.	Description	Unit	Est. Quantity	Unit Price	Bid Price
1	Mobilization and Demobilization (Maximum of 5% of the sum of Bid Price Items 2 thru 16)	LS	1	\$ 32.760.vo	\$ 32.760.00
2	Well A-15	LS	1	\$ 48,800,00	\$ 48,800.00
3	Well F-16	LS	1	\$ 40,500.00	\$ 40,500.00
4	Well D-19	LS	1	\$ 47.800.00	\$ 47.800.00
5	Well M-23	LS	1	\$ 40.500.00	\$ 40,500,00
6	Well A-21	LS	1	\$ 42.200.00	\$ 42,200,00
7	Well EX-11	LS	1	\$ 42,200.00	\$ 42,200.00
8	Well A-08	LS	1	\$ 47.800.00	\$ 47,800,00
9	Well D-15	LS	1	\$ 42.200 W	\$ 42,700.00
10	Well F-19	LS	1	\$ 42,200,00	\$ 42, 200,00
11	Well F-20	LS	1	\$ 42,200,00	\$ 42,200,00
12	Well M-21	LS	1	\$ 40 500N	\$ 40,500,00
13	Well D-28	LS	1	\$ 42,200,00	\$ 42,200.00
14	Well D-07	LS	1	\$ 40,5000	\$ 40,500,00
15	Well D-06	LS	1	\$ 47.800,00	\$ 47,800,00
16	Well D-02	LS	1	\$ 49,800,00	\$ 47.800,00
			TOTAL AD	DITIVE BID NO. 1	\$ 687.960.00

	Groundwater V GWA		duction Me No. W19-00	Mary Charles	nt
		ADDITIV	/E BID NO.	2	
Item No.	Description	Unit	Est. Quantity	Unit Price	Bid Price
1	Mobilization and Demobilization (Maximum of 5% of the sum of Bid Price Items 2 thru 16)	LS	1	\$ 33,261,00	\$ 33,265.00
2	Well M-02	LS	1	\$ 49.300.00	\$ 49,300.00
3	Well D-24	LS	1	\$ 43,200,00	\$ 43.200.00
4	Well M-03	LS	1	\$ 48.800.00	\$ 48,800,00
5	Well M-05	LS	1	\$ 40,500,00	\$ 40,500 00
6	Well M-07	LS	1	\$ 40,500,00	\$ 46 100.00
7	Well F-07	LS	1	\$ 43.20000	\$ 43,200,00
8	Well F-06	LS	1	\$ 43,200,00	\$ 43,200,00
9	Well F-08	LS	1	\$ 43,200,00	\$ 43,200,00
10	Well F-11	LS	1	\$ 43,000,00	\$ 43, 200,00
11	Well A-14	LS	1	\$ 40,500,00	\$ 40,500,00
12	Well F-04	LS	1	\$ 40.500.00	\$ 40,500,00
13	Well F-02	LS	1	\$ 40,800,00	\$ 40.800.00
14	Well M-01	LS	1	\$ 48,800.00	\$ 48, Bov ov
15	Well X-XX	LS	1	\$ 49. Boo,00	\$ 49.800.00
16	Well X-XX	LS	1	\$ 49.800,00	\$ 49.800.00
		•	TOTAL AD	DITIVE BID NO. 2	\$ 698,565.00

Groundwater Well Production Meter Replaceme GWA Project No. W19-001-BND	ent								
BID SUMMARY									
TOTAL BASIC BID AMOUNT	\$ 1,379,005.00								
TOTAL ADDITIVE BID NO. 1	\$ 687,960.00								
TOTAL ADDITIVE BID NO. 2	\$ 698,585.00								
GRAND TOTAL (BASIC BID + ADDITIVE BID 1 + ADDITIVE BID 2) TWO Millian Seven Hundred Sixty File Thousand Line Hundred Thirty Only (Price in Words)	\$ 2,765,930.00								

(If the Total Base Bid is within the amount of funds available, then the award will be made to the responsive and responsible bidder submitting the lowest Base Bid Price. In the event the lowest responsive and responsible Bid exceeds the available budget, GWA may reject individual Bid Items until the Bid Amount fits within the available budget. If additional funding is obtained after the contract is executed, any or all deleted Bid items may be restored via Change Order.)



CONSOLIDATED COMMISSION ON UTILITIES Guam Power Authority | Guam Waterworks Authority

P.O. Box 2977 Hagatna, Guam 96932 | (671)649-3002 | guamccu.org

RESOLUTION NO. 04-FY2020

RELATIVE TO APPROVAL OF GROUNDWATER PRODUCTION METER REPLACEMENT PROJECT GWA PROJECT NO. W19-001-BND

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 operates approximately 100 groundwater production wells that range in production capacity from 50 to 755 gallons per minute and given GWA's efforts to better account for water system losses, the measured volume of the ground water production wells will play an important role in the water audit; and

WHEREAS, GWA is working to improve measurement the volume of groundwater that is produced from the wells through properly functioning flow meters to ensure under-or-over reported total production volumes are mitigated; and

WHEREAS, these deficiencies affect non-revenue water calculations, making it difficult to track distribution system losses; and

WHEREAS, replacement of production meters will require unobstructed, straight run, and full pipe for the length of three or more pipe diameters upstream of the meter and two or more diameters downstream to be accurate; and

 WHEREAS, the condition of well head discharge piping at many well sites are also in poor condition due to excessive corrosion; and

WHEREAS, well head discharge piping needs to be standardized to reduce the number of meters, valves, fittings, and accessories to be stored resulting to cost savings; and

WHEREAS, in June 2017, GWA retained Brown and Caldwell (BC) to field test 60 existing wellhead flowmeters and to develop bid-ready plans and specifications to replace faulty flowmeters and to standardize well head discharge piping; and

WHEREAS, results of Brown and Caldwell (BC) meter tests using clamp on meter showed gpm values were generally less than the existing meter's gpm values, with some reading by 50 gpm or more; and

WHEREAS, GWA has advertised on August 2019 the Invitation For Bids (IFB-05-ENG-2019) for Groundwater Production Meter Replacement Project wherein GWA is soliciting bid proposals from experienced and responsive bidders for construction of the project; and

WHEREAS, this phase of work consists of furnishing all labor, tools, equipment and materials including coordination with GWA Water Production Operations and Engineering to construct all components described in the final design drawings and technical specifications which include but are not limited to replacement of water meter and above ground well discharge piping for 60 critical wells; and

WHEREAS, the bid schedule was divided into Basic Bid, Additive Bid No.1 and Additive Bid No.2 due availability of funds; and

WHEREAS, the bid schedule states if the total Basic Bid is within the amount of funds available, then award will be made to the responsive and responsible bidder submitting the lowest Basic Bid Price and in the event the lowest responsive and responsible Bid exceeds the available budget, GWA may reject individual Bid items until the Bid Amount fits within the

available budget, and if additional funding is obtained after the contract is executed, any or all deleted Bid items may be restored via Change Order; and

WHEREAS, IFB packages were picked up by seven (7) interested parties, from which GWA received bid proposal from one (1) of the seven (7) (SEE EXHIBIT A – Abstract of Bids) before the bid proposals deadline of September 27, 2019; and

WHEREAS, GWA Engineering analyzed the bid proposal received and determined that the bid package submitted by Giant Construction Corporation, the sole bidder, was responsive and responsible, and met all the bid requirements set forth by GWA (SEE EXHIBIT B – Bid Evaluation); and

WHEREAS, GWA Management finds Giant Construction Corporation Basic Bid Price acceptable and now seeks CCU approval of the bid proposal amount of One Million Three Hundred Seventy-Nine Thousand Four Hundred Five Dollars (\$1,379,405.00) attached hereto (SEE EXHIBIT C – Bid Proposal); and

WHEREAS, GWA Management further seeks CCU approval of a ten percent (10%) contingency to the Basic Bid proposal amount or One Hundred Thirty-Seven Thousand Nine Hundred Forty Dollars and Fifty Cents (\$137,940.50) to bring the total authorized funding amount to One Million Five Hundred Seventeen Thousand Three Hundred Forty-Five Dollars and Fifty Cents (\$1,517,345.50); and

WHEREAS, GWA Management further seeks CCU approval to petition the Public Utilities Commission approval of the contract given this project meets the Contract Review Protocol requirements for GWA projects for which the use of Bond funds is intended; and

WHEREAS, funding for this project will be from the CIP Line Item PW 05-07 Meter Replacement Program, IFCIP or any other CIP line item applicable to the project intent; and

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

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- 1. The recitals set forth above hereby constitute the findings of the CCU.
- The CCU finds that the terms of the 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).
- The CCU hereby authorizes the management of GWA to accept the bid proposal from "Giant Construction Corporation." attached hereto as Exhibit C and which is incorporated into this Resolution in its entirety.
- The CCU hereby further authorizes the management of GWA to enter into a contract with "Giant Construction Corporation" in the amount One Million Three Hundred Seventy-Nine Thousand Four Hundred Five Dollars (\$1,379,405.00).
- 5. The CCU hereby further approves the funding total of One Million Three Hundred Seventy-Nine Thousand Four Hundred Five Dollars (\$1,379,405.00) plus a ten percent (10%) contingency of One Hundred Thirty-Seven Thousand Nine Hundred Forty Dollars and Fifty Cents (\$137,940.50) for a total funding amount of One Million Five Hundred Seventeen Thousand Three Hundred Forty-Five Dollars and Fifty Cents (\$1,517,345.50).
- 6. The CCU hereby further approves funding for this project to be from the CIP Line Item PW 05-07 "Meter Replacement Program", IFCIP or any other CIP line item applicable to the project intent

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

DULY AND REGULARLY ADOPTED, this 29th day of October 2019.

Certified by:

JOSEPH T. DUENAS

Chairperson

Attested by:

MICHAEL T. LIMTIACO

Secretary

SECRETARY'S CERTIFICATE

I, Michael T. Limtiaco, 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:	5	
NAYS:	0	
ABSTENTIONS:	0	



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

CHANGE ORDER NO. 1 **Project Title: GROUNDWATER PRODUCTION METER REPLACEMENT** Project No.: W19-001-BND IFB No. 05-ENG-2019 Contractor: GIANT CONSTRUCTION CORPORATION NTP Date: APRIL 29,2020 TO: GIANT CONSTRUCTION CORPORATION You are directed to make changes noted below in the subject contract. The changes are accepted by: PREPARED BY : Contractor Ernesto Villarin Project Engineer, GWA REVIEWED BY: Barbara Cruz, P.E. Senior Engineer Supervisor, GWA RECOMMEND Contractor Representative (SIGNAT/UF APPROVAL: Barbara Cruz, P.E. Date Acting Chief Engineer, GWA **NATURE OF CHANGES:** 1. Changed water meter Output/Input option from 2x Pulse/Switch Output, 1x Status Input, to GSM, Antenna Remote + cable 2x Pulse/Switch Output, 1x Status input. This would allow wireless communication with the meter in the absence of SCADA. (Additive -\$36,168.10) 2. In coordination with Operations, some fittings were deleted without affecting the system's function. (Deductive - \$14,365.83) NET CHANGE IN COST (Additive - \$21,802.27). THE CHANGES RESULT IN THE FOLLOWING ADJUSTMENT OF CONTRACT PRICE: Contract price prior to this Change Order 1,379,405.00 Net INCREASE from this Change Order 21,802,27 Revised contract price after this Change Order 1,401,207,27 THE CHANGES RESULT IN THE FOLLOWING ADJUSTMENT OF CONTRACT TIME: Contract time prior to this Change Order, with breakdown given below. 365 Calendar Days Net INCREASE from this Change Order with breakdown given below (subject to approved terms and conditions) 0 Calendar Days Revised contract time after this Change Order 365 Calendar Days Revised Contract Expiration Date after this Change Order Thursday, April 29, 2021 **CERTIFIED FUNDS AVAILABLE:** Vendor No.: 18155 Contract No.: 832-OS 2016 BOND PW 05-07 & SDC Funding Source: 9/21/2020 G.L. NO .: W344.105321.420000 WCTaling M. Taitano, CPA, CGFM Date Amount: \$21,802,27 Chief Financial Officer APPROVED:

Miguel C. Bordallo, P.E

General Manager, GWA

Date

9.21.2020



GUAM WATERWORKS AUTHORITY Gloria B. Nelson Public Service Building 688 Route 15, Mangilao, Guam 96913

CHANGE ORDER NO. 2

Project Title:	GROUNDWATER PR		METER REPLACEM	IENT	
Project No.:	W19-001-BND		05-ENG-2019		
Contractor:	GIANT CONSTRUCT	TON CORPO	DRATION	N	TP Date: APRIL 29,2020
TO: GIANT CON	ISTRUCTION CORPOR	RATION			
You are directed to	make changes noted b	elow in the s	subject contract. The	changes are accepted by:	
Olenyh	Sentative (PRINT)	Date	PREPARED BY REVIEWED BY RECOMMEND APPROVAL	Erriesto Villarin Project Engineer, GWA Barbara Gruz, P.E. Senior Engineer Super	04 22 2021 visor, GWA 4/27/2021
				Mauryn McDonald, P.E Acting Chief Engineer,	
NATURE OF CHAI					
	ntract time due to the fo	The second secon		ter meter. Water Engneerii	
arrival of wa (165 days) a b. This time ex	ater meters on February after arrival of complete stension will extend the of IN COST - There is no of	4, 2021. Per materials. contract time	r Contractor's original from April 29, 2021 to		npleted in <u>5.5 months</u>
	ESULT IN THE FOLLO	**************************************			A CONTRACTOR OF THE CONTRACTOR
	to this Change Order	WING ADJU	SIMENI OF CONTRA		1,401,207.27
	om this Change Order			\$	1,401,207.27
	rice after this Change O	rder		\$	1,401,207.27
	ESULT IN THE FOLLO		OTHERE OF COLUMN	· · · · · · · · · · · · · · · · · · ·	1,101,207.27
	to this Change Order, w			ACT TIME: 365	Calandar Davis
	om this Change Order		•		Calendar Days
	me after this Change Or			4 <u>52530</u>	Calendar Days
	expiration Date after this				Calendar Days
			ici		nday, July 25, 2021
Vendor No.:	S AVAILABLE: 18155				
Contract No.:					
Funding Source:	832-OS	0.000		11 /4	
G.L. NO.:	2016 BOND PW 05-07 W344.105321.420000	α SDC		N/A	
Amount:				Taling M. Taitano, CPA, CO	3FM Date
Amount	\$0.00			Chief Financial Officer	
		APPROVED	,		

Miguel C. Bordallo, P.E. General Manager, GWA



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

CHANGE ORDER NO. 3

Project Title:	GROUNDWATER P	RODUCTION ME	TER REPLACE	MENT		
Project No.:	W19-001-BND	IFB No. 05				
Contractor:	GIANT CONSTRUC	TION CORPORA	TION		NT	P Date: APRIL 29,2020
TO: GIANT CON	ISTRUCTION CORPO	RATION	T-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1			
You are directed to	make changes noted	below in the subje	ect contract. The	changes are accer	oted by:	
Contractor Repres	JUN JUN	e N, 2021	PREPARED B	R	arin	06/15/21 Date
			REVIEWED B	Y: Barbara Cru Senior Engine		
Contractor Represe	entative (SIGNATURE)	Date	_ RECOMMENI APPROVAL		onald, P.E.	6/16/2021 Date
the minimum above groun concrete thrub. The last fittin be changed	o flange distance (from n length required for stand discharge piping by ust block and backfill. ng (45 degree bend) be to flange type which is pe support for the bypa	andardization. To excavating portion Additional cost = 3 afore entering the 3 the standard for a	meet the standan of the exit pipe, \$26,662.16 inclu ground for deep above-ground fith	ardization length, it is replace existing dia ding <u>Item b</u> below. well AG-02 is of me ting connections.	s necessar agonal pipe	and fittings, install
	extension - 93 calendar	r days.				
THE CHANGES RE	SULT IN THE FOLLO	OWING ADJUSTM	IENT OF CONT	PACT PRICE:		The second secon
	to this Change Order				\$	1,401,207.27
	om this Change Order				\$	42,202.16
	ice after this Change (\$	1,443,409.43
THE CHANGES RE	SULT IN THE FOLLO	MISIN ON SIMM	IENT OF CONT	DACT TIME.		
Contract time prior t Net INCREASE fro Revised contract time	to this Change Order, vom this Change Order ne after this Change O xpiration Date after this	with breakdown given be order	ven below.		452 93 545 Wedneso	Calendar Days Calendar Days Calendar Days day, October 27, 2021
Vendor No.: Contract No.:	832-OS				0	
G.L. NO.:	2013 BOND PW 05-0 W344.105321.420000 \$42,202.16	7	6	Taling M. Taitano Chief Financial O	, CPA, CGI	7/22/2021 FM Date
		APPROVED:	11/			
		Miguel C. Bordan General Manage		7 · 22 · 2024 Pate		

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GUAM WATERWORKS AUTHORITY
Gloria B. Nelson Public Service Building
688 Route 15, Mangilao, Guam 96913

CHANGE ORDER NO. 4

Project Title:	GROUNDWATER PRO		METER REPLACEM	IENT		
Project No.:	W19-001-BND		05-ENG-2019			
Contractor:	GIANT CONSTRUCTI	ON CORPO	DRATION		N.	TP Date: APRIL 29,2020
TO: GIANT CO	NSTRUCTION CORPORA	ATION				
You are directed to	make changes noted be	low in the s	ubject contract. The	changes are acce	pted by:	
			PREPARED BY			
Contractor Repre	esentative (PRINT)		THEFAILED BY	Ernesto Vill Project Engir		Date
			REVIEWED BY	:		
				Barbara Cri		Date
			RECOMMEND	Senior Engin	eer Super	visor, GWA
Contractor Repres	entative (SIGNATURE)	Date	APPROVAL	:		
				Brett E. Ra		Date
NATURE OF OUR				Acting Chief	Engineer,	GWA
1. Scope of Chan						
	21, there were 3 deep wel	ls (AG-1. A	G-02, and A-04) that r	emain to be comp	leted The	Contractor work
9/17/21, the issues for d Operations 02 and F-04 b. Engineering the contract will extend t	as hampered by operation of Contractor was allowed to eep wells AG-01 and A-04 agreed to replace deep will was based on having sates working on a change of the contract completion departs of the contract period.	to work on A 4 continue. vells AG-01 me size of verter that we equire CCU	AG-02 and completed To avoid further dela and A-04 with deep w well head and similar ill include the 15 deep I and PUC approvals	it the following day in the completion ells F-02 and F-04 ength of the above wells listed in Ad that could take 2 to	y. Howeven of the pro 4. The selecter of the s	er, the operational oject, Engineering and ection of deep wells F-discharge piping. No. 1 to the scope of s. This change order
2. Net Change in						
Contract Time I	Extension - 79 calendar da	avs				
	ESULT IN THE FOLLOW	Water transfer to the same of	STMENT OF CONTR			
	to this Change Order				œ.	1 112 100 12
	om this Change Order				Ψ	1,443,409.43
	rice after this Change Ord					
					\$	1,443,409.43
	ESULT IN THE FOLLOW			ACT TIME:		
	to this Change Order, with				545	Calendar Days
	om this Change Order w		ven below (subject to approved to	erms and conditions)"	79	Calendar Days
	me after this Change Orde				624	Calendar Days
Revised Contract E	expiration Date after this C	hange Orde	er		Frida	y, January 14, 2022
CERTIFIED FUNDS	S AVAILABLE:					
Vendor No.:	18155					
Contract No.:	832-OS					
Funding Source:	2013 BOND PW 05-07					
G.L. NO.:	W344.105321.420000			Taling M. Taitano	, CPA, CG	FM Date
Amount:	\$0.00			Chief Financial C		
APPROVED AS TO	FORM:			APPROVED:		
Theresa G. Rojas	 Date			Minus 10 D	- D =	
Legal Counsel, GW				Miguel C. Bordall General Manage		Date