



WATER UTILITIES DEPARTMENT  
301 COLLEGE STREET  
LAKE WORTH BEACH, FL 33460  
**561.586.1710**

## CHANGE ORDER

Project Number: WO-08

Contractor: Globaltech, Inc.

Project Name: Membrane Replacement

Change Order Number: 01

Change Order Effective Date: \_\_\_\_\_

Contractor Phone: 561-997-6433

Change Order Type: Addition

Existing Purchase Order Number: \_\_\_\_\_


### Description of Change:

The work associated with this change order includes the following:

- Evaluate the existing trains for adding additional pressure vessels.
- Evaluate the system capacity for expansion.
- Evaluate the membrane projection for additional membrane elements.
- Obtaining a health department permit.
- 378 extra membrane elements
- 18 extra pressure vessels
- 18 new J-Bends and grooved couplings

### **Contract Time**

- An additional 60 days to be added due to delays in the pending 4-log approval from DOH. The new substantial completion date will be 12/28/2024, and the new completion date will be 01/27/2025.



1	2	3	4	5	6
Item No.	Description	Qty	Unit	Unit Price	Increase In Contract Price
1	Construction	1	LS	\$486,001.26	\$486,001.26
2	Engineering	1	LS	\$39,854.00	\$39,854.00
3	Bonds	1	LS	\$14,390.00	\$14,390.00
	Total Amount:	<u>1</u>	<u>LS</u>	<u>\$540,245.26</u>	<u>\$540,245.26</u>

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Price of Original Contract: \$634,691.00 (authorized by Commission on 9/14/23 Agenda Item (#X))

Current Price of Contract (including Change Orders): \$634,691.00

Price of Current Change Order: \$540,245.26

New Contract Price: \$1,174,936.26

Basis of Price Change:  Unit Price  Time & Material  Lump Sum

Contract Time Change

No Change  Extended  Decreased by 60 work days

*The CONTRACTOR and the OWNER agree that this CHANGE ORDER represents the parties' complete agreement concerning these matters as of the date of this CHANGE ORDER. By approving this Change Order, the CONTRACTOR releases any claims that it may have against the OWNER under the subject contract, including, but not limited to, claims for equitable adjustments that occurred or accrued before the effective date of this CHANGE ORDER.*

*This Change Order may be executed in counterparts and is not effective until approved by the City Manager or City Commission (as designated on the last page of this Change Order).*

Reviewed and accepted by Bruce Rahmani, P.E.  
(Contractor Name)

B. Rahmani  
Contractor Representative (Signature)

VP of Construction  
Title

12/05/2023  
Date

Approved by: \_\_\_\_\_  
(Department Director) (Date)

IN WITNESS WHEREOF, the OWNER/CITY has approved this Change Order No. 1 to the \_\_\_\_\_ Project on \_\_\_\_\_, 2023

**CITY OF LAKE WORTH BEACH, FLORIDA**

ATTEST:

By: \_\_\_\_\_  
Melissa Ann Coyne, City Clerk

APPROVED AS TO FORM AND  
LEGAL SUFFICIENCY:

By: \_\_\_\_\_  
Glen J. Torcivia, City Attorney

By: \_\_\_\_\_  
Betty Resch, Mayor

APPROVED FOR FINANCIAL  
SUFFICIENCY

By: \_\_\_\_\_  
Yannick Ngendahayo, Financial Services Director



# Exhibit 2 Cost Breakdown

12/01/23

City of Lake Worth Beach  
172408 LWB Membrane Replacement

Assembly#	Description	Unit	Quantity	Cost	Ext. Cost	Ext. Price
<b>Job: 172408 LWB Membrane Replacement</b>						
<b>Bid Item: 110 Change Order</b>						
	CREDITS					
	Credit From Original Contract	LOT	-1	6,235.60	-6,235.60	-7,672.90
	ADDITIONS					
	Sr. Estimator	HR	20	242.00	4,840.00	4,840.00
	Estimator	HR	10	75.00	750.00	750.00
	Submittal Labor	HR	20	146.00	2,920.00	2,920.00
	Progress Meetings	HR	20	242.00	4,840.00	4,840.00
	Construction Scheduler	HR	30	152.00	4,560.00	4,560.00
	Construction PM 6	HR	50	242.00	12,100.00	12,100.00
	Construction PM 4	HR	100	146.00	14,600.00	14,600.00
	Construction PM 2	HR	60	98.00	5,880.00	5,880.00
	Purchasing & Subcontract	HR	10	181.00	1,810.00	1,810.00
	Construction Assistant	HR	60	76.00	4,560.00	4,560.00
	Temporary Facilities					
	Container Rental	EA	4	300.00	1,200.00	1,476.60
	Sanitary	MONTH	4	400.00	1,600.00	1,968.80
	Job Site Office Supplies	LS	1	300.00	300.00	369.15
	Waste Hauling	EA	5	874.00	4,370.00	5,377.29
	Startup Crew	CR-D	4	2,480.00	9,920.00	9,920.00
	Punch Out Crew	CR-D	2	2,480.00	4,960.00	4,960.00
	Hydraulics Membranes	EA	294	505.00	148,470.00	182,692.34
	Freight	LS	1	6,000.00	6,000.00	7,383.00
	Pressure Vessels	EA	18	1,746.34	31,434.12	38,679.69

Cost Breakdown  
Continued...

12/01/23

Assembly#	Description	Unit	Quantity	Cost	Ext. Cost	Ext. Price
	Freight	LS	1	6,000.00	6,000.00	7,383.00
	Sample Panel Tubing & Fittings	LS	1	1,500.00	1,500.00	1,605.00
	1-1/4" SS Victaulic Couplings	EA	40	350.00	14,000.00	17,227.00
	J-Bends, Vic Gasket & Shims	LS	1	18,200.00	18,200.00	22,395.10
	Gaskets, seals & End Connector Parts	LS	1	10,882.20	10,882.20	13,390.54
	Disinfection & Lubrication	LS	1	2,000.00	2,000.00	2,461.00
	Membrane & Vessel Installation	CR-D	24	3,056.00	73,344.00	73,344.00
	Construction Superintendent	HR	100	156.00	15,600.00	15,600.00
	Construction Assistant	HR	100	76.00	7,600.00	7,600.00
	Warehouse Forklift	LS	2	2,200.00	4,400.00	5,414.20
	Scissor Lift	Month	2	1,200.00	2,400.00	2,953.20
	Safety Coordination	HR	8	242.00	1,936.00	1,936.00
	Safety Program	LS	1	3,300.00	3,300.00	3,630.00
	Safety Equipment	LS	1	500.00	500.00	615.25
	Misc Tools & Equipment	LS	1	2,500.00	2,500.00	3,076.25
	Equipment Fuel	GAL	50	6.90	345.00	396.75
	Offloading & Staging	CR-D	2	2,480.00	4,960.00	4,960.00
	Engineering	LOT	1	39,854.00	39,854.00	39,854.00
	Bonds	LS	1	14,390.00	14,390.00	14,390.00
	<b>Bid Item Totals:</b>				<b>482,589.72</b>	<b>540,245.26</b>
	<b>Grand Totals:</b>				<b>482,589.72</b>	<b>540,245.26</b>

**Attachment A  
Work Order #8 CO1  
Membrane Replacement**

	E6	E5	E2	E1	SCHEDULER	ADMIN 3	ADMIN 2	ADMIN 1	Total Labor	Subconsultant Services	Subconsultant	Contractual Labor Rates \$/Hr.	
												\$276.00	\$58.00
<b>Task 1</b>													
Engineering Services													
Develop Work Order	2	4		4	10			2	2			\$ 3,320.00	
Membrane Evaluation	2	2	16	4			2	2	2			\$ 3,700.00	
System Evaluation for Expansion	10	10	20	4			2					\$ 8,144.00	
Review Specifications for Pressure Vessel	2	2	20	2				1	1			\$ 3,784.00	
Prepare Purchasing Documents	2	4	6	2			1	2	2			\$ 2,625.00	
Coordinate with PBCHD	2	6						2	2			\$ 2,054.00	
Review Submittals	2	2	6		1			1	1			\$ 1,940.00	
Conduct Pre-Installation Inspections	2	12										\$ 3,324.00	
Installation Protocol and Documentation	2	2	10					4	4			\$ 2,506.00	
Project Meetings (2)	10	6	6		2		4	3	3			\$ 5,546.00	
Project Closeout	2	4	6		6		3	3	3			\$ 2,661.00	
	38	54	90	12	6	11	12	17	17			\$ 39,604.00	\$ -
<b>Subtotal Task 1</b>													
<b>Total</b>	<b>38</b>	<b>54</b>	<b>90</b>	<b>12</b>	<b>6</b>	<b>11</b>	<b>12</b>	<b>17</b>	<b>17</b>			<b>\$ 39,604.00</b>	<b>\$ -</b>
Subconsultants													\$ -
Markup													\$ -
Total Subconsultant													\$ -
Reimbursable Expenses													\$ 250.00
<b>Total</b>													<b>\$ 39,854.00</b>