



321 Milwaukee St - PO Box 340 – Menasha WI 54952

## **MEMORANDUM**

**Date:** 7/28/2009

**To:** Mark Radtke, Director of Public Works

**From:** Lonnie Pichler, Electric and Water Distribution Supervisor

**RE:** Recommendation for Approval of Change Order

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At the regular meeting of the Menasha Utilities Commission on July 22, 2009, a motion was approved requesting the Board of Public Works recommend to the Common Council approval of Change Order No. 2 from DeGroot, Inc. for the Third Street Water Main Replacement project, in the amount of \$11,100.80.

This change order is needed to account for the variations made in the field during construction, and represents adjustments for final measured quantities.

**CHANGE ORDER NO. 2**

<b>PROJECT:</b> Third Street Water Main Replacement	<b>DATE OF ISSUANCE:</b> July 27, 2009
<b>OWNER:</b> Menasha Utilities	<b>EFFECTIVE DATE:</b>
<b>PROJECT ID:</b> -	<b>ENGINEER:</b> OMNNI Associates
<b>CONTRACTOR:</b> De Groot, Inc.	<b>ENGINEERS PROJECT NO.:</b> M1314A08
<b>CONTRACTOR PROJECT NO.:</b> 0	

You are directed to make the following changes in the Contract Documents:

Description: Final Quantities  
 Reason for Change Order: Adjustment from bid quantities to final measured quantities.

CHANGE IN CONTRACT PRICE	CHANGE IN CONTRACT SCHEDULE
Original Contract Price \$570,109.46	Original Contract Times (days or dates)
Net changes from previous Change Orders	Substantial Completion: May 22, 2009
Change Order No. 1 \$ 10,500.00	Ready for final payment: May 22, 2009
Contract Price Prior to this Change Order \$580,609.46	Contract Times prior to this Change Order (days or dates)
Net Increase (Decrease) of this Change Order \$ 11,100.80	Substantial Completion: May 22, 2009
Contract Price with all approved Change Orders <u>\$591,710.26</u>	Ready for final payment: May 22, 2009
	Net Increase (Decrease) of this Change Order: 0
	Contract Times with all approved Change Orders (days or dates)
	Substantial Completion: May 22, 2009
	Ready for final payment: May 22, 2009

**RECOMMENDED:**

**APPROVED:**

**ACCEPTED:**

By:   
 Thomas Walsh  
 OMNNI Associates

By: \_\_\_\_\_  
 Lonnie Pichler, Distribution Supervisor  
 Menasha Utilities

By: \_\_\_\_\_  
 For: De Groot, Inc.

Date: 7/27/2009

Date: \_\_\_\_\_

Title: \_\_\_\_\_  
 Date: \_\_\_\_\_

CERTIFICATION AND REQUEST FOR PAYMENT - Documentation

7/1/2009

PROJECT TITLE: Third Street Water Main Replacement

CONTRACTOR: De Groot, Inc.

CONTRACTORS PROJECT NO.: 0

M1314A08

Item No.	Description of Work Item	Units	Scheduled Quantity	Unit Price	Bid Price	Total Completed and Stored		Price Difference (\$ Spent - \$ Bid)	Complete %	Explanation of Variation
						Quantity to Date (F + G)	Amount			
(A)	(B)		(C)	(D)	(E)	Quantity	Amount	Amount		
A1	Sawcut Existing Pavement	LF	9,510	\$ 1.31	\$ 12,458.10	9,000.00	\$ 11,790.00	\$ (668.10)	95%	Some existing pavement joints used. No sawing needed.
A2	Traffic Control	LS	1.0	\$ 10,971.63	\$ 10,971.63	1.00	\$ 10,971.63	\$ -	100%	
A3	Remove Pavement	SY	7,447	\$ 2.37	\$ 17,649.39	7,713.00	\$ 18,279.81	\$ 630.42	104%	Extra removed to meet city replacement requirements (1/2 or full panel).
A4	Remove and Replace Curb & Gutter	LF	92	\$ 23.23	\$ 2,137.16	202.60	\$ 4,706.40	\$ 2,569.24	220%	Extra removed for Palonia services & Racine intersection.
A5	Remove and Patch Sidewalk/Driveway	SF	7,772	\$ 1.26	\$ 9,792.72	7,772.00	\$ 9,792.72	\$ -	100%	
A6	Remove Contaminated Soil	CY	90	\$ 10.10	\$ 909.00		\$ -	\$ (909.00)	0%	Did not encounter any contaminated soil.
A7	Dense Graded Aggregate Base (18")	Ton	7,060	\$ 8.41	\$ 59,374.60	6,856.64	\$ 57,664.34	\$ (1,710.26)	97%	Trenches slightly narrower than anticipated.
A8	Concrete Pavement	SY	225	\$ 43.48	\$ 9,783.00	535.70	\$ 23,292.24	\$ 13,509.24	238%	Extra required to meet city replacement requirements (1/2 or full panel).
A9	Inlet Protection	Each	28	\$ 35.35	\$ 989.80	28.00	\$ 989.80	\$ -	100%	
A10	Connect to Existing Water	Each	9	\$ 1,776.70	\$ 15,990.30	9.00	\$ 15,990.30	\$ -	100%	
A11	12" PVC Water Main	LF	4,365	\$ 39.56	\$ 172,679.40	4,423.50	\$ 174,993.66	\$ 2,314.26	101%	Extended main tie-in on Appleton St. & slight variation at project terminill.
A12	10" PVC Water Main	LF	64	\$ 50.50	\$ 3,232.00	48.00	\$ 2,424.00	\$ (808.00)	75%	Did not need as much as planned to meet good pipe at Racine
A13	8" PVC Water Main	LF	390	\$ 34.36	\$ 13,400.40	428.00	\$ 14,706.08	\$ 1,305.68	110%	Additional at side street tie-ins.
A14	6" PVC Water Main	LF	385	\$ 32.34	\$ 12,450.90	386.00	\$ 12,483.24	\$ 32.34	100%	
A15	6" PVC Hydrant Lead	LF	170	\$ 31.98	\$ 5,436.60	155.00	\$ 4,956.90	\$ (479.70)	91%	Main shifted west of Racine St. creating shorter leads.
A16	12" Gate Valve	Each	12	\$ 2,146.78	\$ 25,761.36	12.00	\$ 25,761.36	\$ -	100%	
A17	10" Gate Valve	Each	1	\$ 1,700.39	\$ 1,700.39	1.00	\$ 1,700.39	\$ -	100%	
A18	8" Gate Valve	Each	2	\$ 1,265.82	\$ 2,531.64	3.00	\$ 3,797.46	\$ 1,265.82	150%	Extra valve used on DePere St. at tracks to avoid shut down if future tie-in
A19	6" Gate Valve	Each	6	\$ 973.25	\$ 5,839.50	5.00	\$ 4,866.25	\$ (973.25)	83%	Did not use a valve on Palonia hydrant.
A20	12" Bends	Each	31	\$ 564.50	\$ 17,499.50	18.00	\$ 10,161.00	\$ (7,338.50)	58%	Deflected pipe to avoid using bends.
A21	10" Bends	Each	4	\$ 455.91	\$ 1,823.64	1.00	\$ 455.91	\$ (1,367.73)	25%	Deflected pipe to avoid using bends.
A22	8" Bends	Each	4	\$ 349.42	\$ 1,397.68	2.00	\$ 698.84	\$ (698.84)	50%	Deflected pipe to avoid using bends.
A23	6" Bends	Each	6	\$ 295.64	\$ 1,773.84	7.00	\$ 2,069.48	\$ 295.64	117%	Used 2-45 bends instead of 90 bend at Palonia hydrant.
A24	Hydrant w/Auxiliary Valve	Each	12	\$ 3,168.48	\$ 38,021.76	12.00	\$ 38,021.76	\$ -	100%	
A25	12" Service Saddle	Each	84	\$ 118.27	\$ 9,934.68	83.00	\$ 9,816.41	\$ (118.27)	99%	One service listed as active was not.
A26	8" Service Saddle	Each	1	\$ 105.36	\$ 105.36	2.00	\$ 210.72	\$ 105.36	200%	Extra service on DePere Street.
A27	6" Service Saddle	Each	6	\$ 104.28	\$ 625.68	6.00	\$ 625.68	\$ -	100%	
A28	Brass Set & Curb Box	Each	91	\$ 244.07	\$ 22,210.37	91.00	\$ 22,210.37	\$ -	100%	
A29	1" HDPE Water Service	LF	3,011	\$ 24.18	\$ 72,805.98	3,206.00	\$ 77,521.08	\$ 4,715.10	106%	Plan to ROW & services installed 2' to 2.5' behind ROW.

CERTIFICATION AND REQUEST FOR PAYMENT - Documentation

7/1/2009

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CONTRACTOR: De Groot, Inc.

CONTRACTORS PROJECT NO.: 0

M1314A08

(A) Item No.	(B) Description of Work Item	Units	(C) Scheduled Quantity	(D) Unit Price	(E) Bid Price	Total Completed and Stored		Price Difference		Complete %	Explanation of Variation
						Quantity to Date (F + G)	Amount	Amount (\$ Spent - \$ Bid)	Amount		
A30	Reconnect Exist Water Service to New 1" HDPE	Each	91	\$ 131.30	\$ 11,948.30	88.00	\$ 11,554.40	\$ (393.90)		97%	91 total services not 91 - 1" reconnects. Plan quantity incorrect.
A31	Reconnect Exist Water Service to New 6" PVC	Each	3	\$ 1,663.44	\$ 4,990.32	3.00	\$ 4,990.32	\$ -		100%	
A32	Connect Exist 1-1/2" Service to New 12" Main	Each	2	\$ 568.63	\$ 1,137.26	3.00	\$ 1,705.89	\$ 568.63		150%	Found 1-1/2" service during excavation and reconnected.
A33	Restoration	SY	136	\$ 10.10	\$ 1,373.60	99.10	\$ 1,000.91	\$ (372.69)		73%	DOT limits extended eliminating our need to restore behind curb.
A34	Seed, Fertilize and Mulch	SY	136	\$ 10.10	\$ 1,373.60	99.10	\$ 1,000.91	\$ (372.69)		73%	DOT limits extended eliminating our need to restore behind curb.
	BASE PROJECT TOTAL				\$ 570,109.46		\$ 581,210.26	\$ 11,100.80			
CO 1	Traffic Control	LS	1	\$ 10,500.00	\$ 10,500.00	1.00	\$ 10,500.00	\$ -		100%	Full detour required to shut road. Not required in original bid documents
	CHANGE ORDER TOTAL				\$ 10,500.00		\$ 10,500.00	\$ -			
	12" PVC Water Main - Delivered	LF	3,920	\$ 8.43	\$ 33,045.60	0.00	\$ -			0%	
	PROJECT TOTAL				\$ 580,609.46		\$ 591,710.26	\$ 11,100.80			