

CITY OF MADISON
DEPARTMENT OF
PUBLIC WORKS CONTRACT
CHANGE ORDER

Date Decemeber 15, 2008

Contract Name

Unit Well 29 Water Treatment Plant Expansion

Change Order No. CO 1
Contract No. 6246
Project No. 53W0691
Change Order Project No. _____

Change Order Description

Upgrades in the existing system and design to include a valve on one inch service line, modifications to proposed overflow splash pad, installation of thrust blocking on existing water main, and coating adjustment on existing building.

Account Numbers for this Change Order:

Contractor: Staab Construction Corp.
4609 Triangle Street
McFarland, WI 53558

You are authorized and directed to make the following changes in this contract:

Item No.	Description	Est. Qty	Unit	Unit Price	Total
1	Add curb stop and valve on 1 inch transducer line per RFI#2	1.00	Each	385.00	385.00
2	Change overflow splash pad per RFI #1	1.00	Lump Sum	1,438.00	1,438.00
3	Install thrust block at existing live tap	1.00	Each	508.00	508.00
4	Existing pump station coating adjustment	1.00	Lump Sum	2,100.00	2,100.00
5	Blind flange failure on existing watermain	1.00	Lump Sum	2,000.00	2,000.00
6	Adjust 12-inch RW due to exising flange	1.00	Lump Sum	2,315.00	2,315.00
7	Relocate fire protection piping	1.00	Lump Sum	612.00	612.00

Net Change Order	9,358.00
The Original Contract Total	1,339,000.00
Sum of previous Change Orders	
The new Contract Sum including this Change Order will be	1,348,358.00

This Contract is a:	<input type="checkbox"/> Calendar Days	<input type="checkbox"/> Working Days	<input checked="" type="checkbox"/> Completion Date
Original Contract Time/Completion Date			May 1, 2009
Net Change in Contract Time by previous change order			
Contract Time/Completion Date prior to this change order			
Additional day(s) as a result of this Change Order			0
Contract time/completion date as a result of this change order	0	0	May 1, 2009

Contractor's Acceptance

By Wade Regnold
Title Project Manager
Date 2/10/09

City's Approval (see reverse side for instructions)

Construction Inspector _____
Construction Supervisor _____
Engineer _____
Board of Public Works _____



1000 LARSEN AVE., P.O. BOX 900, MARSHFIELD, WI 54449-0900
 715.397.5423 FAX NO. 715.334-4846

Jeff Galbraith
 EARTH TECH/AECOM
 200 Indiana Avenue
 Stevens Point, WI 54481

CHANGE ORDER ESTIMATE

File: 4360-CO
 Date: October 20, 2008
 Project: Madison Well #29
 Re: Add Curb Stop and Valve on 1" Transducer Line Per RFI #XZ
 File: 4360\CO-01.xls

NEW Code	ITEM DESCRIPTION	COMMENTS	Qty	UM	Material	Indirect	Rent	Hours	Rate	Labor	Sub	Equip	Totals
1002	PROJECT MANAGEMENT/SUPERVISION	0.00%	92	CL\$				0	102.73	0			0
1220	BONDS & INSURANCE	0.71% OF TOTAL CONTRACT	386	CS		3							3
1410	QUALITY CONTROL			CY					81.03	0			0
1999	TOTAL INDIRECT		XXXXXXXXXX	XXXX	0	3	0	0	\$0.00	0	0	0	3
15030	COPPER PIPE LABOR			LF				2	82.56	165			165
15075	COPPER PIPE			LF	194				82.56	0			194
99985	TOTAL COST		XXXXXXXXXX	XXXX	194	3	0	2	\$82.56	165	0	0	352
99986	PERCENT MARGIN ***		XXXXXXXXXX	XXXX	11.60%	11.60%		XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	7.20%	7.20%	XXXXXXXXXXXX
99986	MARGIN ***		XXXXXXXXXX	XXXX	23	0	0	XXXXXXXXXX	XXXXXXXXXX	XXXXXXXXXX	0	0	23
99997	CONTRACT PRICE ***		XXXXXXXXXX	XXXX	217	3	0	XXXXXXXXXX	XXXXXXXXXX	165	0	0	385

2



1000 LAKE AVE., P.O. BOX 900, MARSHFIELD, WI 54449-0900
 715-357-4200
 FAX NO. 715-354-4546

CHANGE ORDER ESTIMATE

File: 4360-CO
 Date: October 20, 2008
 Project: Madison Well #29
 Re: Change Overflow Splash Pad Per RFI #
 File: 4360\CO-02.XIS

Jeff Galbraith
 EARTH TECH/AECOM
 200 Indiana Avenue
 Stevens Point, WI 54481

NEW Code	ITEM DESCRIPTION	COMMENTS	Qty	UM	Material	Indirect	Rent	Hours	Rate	Labor	Sub	Equip	Totals
1002	PROJECT MANAGEMENT/SUPERVISION	0.00%	670	CL\$				2	102.73	205			205
1220	BONDS & INSURANCE	0.71% OF TOTAL CONTRACT	1,438	C\$		10							10
1410	QUALITY CONTROL			CY					81.03	0			0
1999	TOTAL INDIRECT		XXXXXXXXXX	XXXXX	0	10		2	\$102.73	205	0	0	215
2220	SITE GRADING			SY			100	2	86.87	174			274
3999	OVERFLOW STRUCTURE		1	LS				6	82.45	495			495
3210	REINFORCING STEEL	REFAB REBAR IN FIELD		TN	75			4	82.45	330			405
3250	CONCRETE ACCESSORIES			CY	25				82.45	0			25
99995	TOTAL COST		XXXXXXXXXX	XXXXX	100	10		14	\$85.98	1,204	0	0	1,414
99996	PERCENT MARGIN ***		XXXXXXXXXX	XXXXX	11.60%	11.60%		XXXXXX	XXXXXX	XXXXXX	7.20%	7.20%	XXXXXX
99996	MARGIN ***		XXXXXXXXXX	XXXXX	12	1		12	XXXXXX	XXXXXX	0	0	24
99997	CONTRACT PRICE ***		XXXXXXXXXX	XXXXX	112	11		112	XXXXXX	XXXXXX	0	0	1,438

3



1500 LARKLE AVE., P.O. BOX 5901 MARSHFIELD, WI 54449-0590
715-397-5429 FAX NO. 715-384-4046

CHANGE ORDER ESTIMATE

File: 4360-CO
Date: October 20, 2008
Project: Madison Well #29
Re: Install Thrust Block @ Existing Live Tap
File: 4360\CO-03.xls

Jeff Galbraith
EARTH TECH/AECOM
200 Indiana Avenue
Stevens Point, WI 54481

NEW Code	ITEM DESCRIPTION	COMMENTS	Qty	UM	Material	Indirect	Rent	Hours	Rate	Labor	Sub	Equip	Totals
1002	PROJECT MANAGEMENT/SUPERVISION	0.00%	138	CL\$				0	102.73	0			0
1220	BONDS & INSURANCE	0.71% OF TOTAL CONTRACT	508	C\$		4							4
1410	QUALITY CONTROL			CY					81.03	0			0
1999	TOTAL INDIRECT		XXXXXXX	XXXX	0	4	0	0	\$0.00	0	0	0	4
2624	10" - 14" S/M/J PIPE BURIED LABOR			LF				3	82.56	248			248
3310	RED/MIX CONCRETE	Includes Small Load Charge	2	CY	230				82.45	0			230
9995	TOTAL CGST		XXXXXXX	XXXX	230	4	0	3	\$82.56	248	0	0	481
9996	PERCENT MARGIN ***		XXXXXXX	XXXX	11.60%	11.60%	11.60%	XXXXXX	XXXXXX	XXXXXX	7.20%	7.20%	XXXXXX
9996	MARGIN ***		XXXXXXX	XXXX	27	0	0	XXXXXX	XXXXXX	XXXXXX	0	0	27
9997	CONTRACT PRICE ***		XXXXXXX	XXXX	257	4	0	XXXXXX	XXXXXX	XXXXXX	0	0	508

3



staab
construction
CORPORATION

1800 LAEMLE AVE., P.O. BOX 900
MARSHFIELD, WI 54449-0900
715-387-8429 FAX NO. 715-384-4846

JOB 4360 FILE _____
SUBJECT THRUST BLOCK F.D.
DRAWN BY _____ DATE 10-9-08
CHECKED BY _____ DATE _____
SCALE _____

POUR THRUST BLOCK BEHIND EXT. TEE

1 1/2 YD³ CONCRETE

3 MAN HOURS

- 1 FOREMAN
- 2 LABORERS

MIKE SAUTER SUPERVISOR STAAB CORP

MS

Jerry Ch...

4



1800 LASKIE AVE., P.O. BOX 900, MADISON, WI 53704-0900
 715-307-8429 FAX NO. 715-304-4846

CHANGE ORDER ESTIMATE

File: 4360-CO
 Date: 10/27/08 - Revised 11/4/08
 Project: Madison Well #29
 Re: Paint Existing Walls and Ceiling

MARGINS	0.000
Multiplier	0.000
Material/Indirect	0.000
Labor	0.000
Sub/Equip	0.000

OFFICE USE ONLY

File: 4360\CO-05A.xls

NEW Code	ITEM DESCRIPTION	COMMENTS	Qty	UM	Material	Indirect	Rent	Hours	Rate	Labor	Sub	Equip	Total Costs	Margin	Contract Price
1002	PROJECT MANAGEMENT/SUPERVISION		0	CLS					57.20	0			0	0	0
1021	MISC. JOB EXPENSES	15.55% OF TOTAL LABOR COST	0	CLS		0							0	0	0
1561	TEMPORARY FACILITIES	4.99% OF TOTAL LABOR COST	0	CLS		0							0	0	0
1630	YARD & EQUIPMENT	20.85% OF TOTAL LABOR COST	0	CLS		0							0	0	0
1220	BONDS & INSURANCE	0.74% OF TOTAL CONTRACT	2,100	C\$		15							0	0	0
1410	QUALITY CONTROL			CY					45.12	0			0	0	0
1999	TOTAL INDIRECT		XXXXXXX	XXXX	0	15			\$0.00	0	0	0	0	0	0
9900	PAINTING		1	LS					45.91	0	2,100		2,100	0	2,100
9995	TOTAL COST		XXXXXXX	XXXX	0	15			#DIV/0!	0	2,100	0	2,100	0	2,100
9995	MARGIN **		0.0%	XXXX	0	0			XXXXXXXX	0	0	0	0	XXXXXXXX	XXXXXXXXXX
9997	CONTRACT PRICE ***		XXXXXXXX	XXXX	0	15			XXXXXXXX	0	2,100	0	2,100	XXXXXXXX	XXXXXXXXXX

5



180 LAKE AVE., P.O. BOX 800, MATCHEFIELD, WI 54449-8000
715.330.8490 FAX 715.330.8488

CHANGE ORDER ESTIMATE

File: 4360-CO
Date: December 16, 2008
Project: Madison Well #29
Re: Pipe Blow Out Recovery
File: 4360\CO-07

Jeff Galbraith
EARTH TECH/AECOM
280 Indiana Avenue
Stevens Point, WI 54481

NEW Code	ITEM DESCRIPTION	COMMENTS	Qty	UM	Material	Indirect	Rent	Hours	Rate	Labor	Sub	Equip	Totals
1002	PROJECT MANAGEMENT/SUPERVISION	0.00%	2.756	CLS				8	80.38	647			647
1220	BONDS & INSURANCE	0.71% OF TOTAL CONTRACT	4.076	CS		29							29
1410	QUALITY CONTROL			CY				8	63.80	0			0
1999	TOTAL INDIRECT		XXXXXXX		0	29		8	\$80.88	647	0	0	676
2999-002	TOOLS LOST TO WATER DAMAGE		1	LS	150				64.91	0			150
2999-002	10' - 16" SJMJ PIPE BURIED LABOR			LF				50	65.00	3,250			3,250
99995	TOTAL COST		XXXXXXX		150	29		58	\$57.15	3,897	0	0	4,076
99996	PERCENT MARGIN ***		XXXXXXX		0.00%	0.00%		XXXXXXX	XXXXXXX	XXXXXXX	5.00%	5.00%	XXXXXXX
99996	MARGIN ***		XXXXXXX		0	0		XXXXXXX	XXXXXXX	XXXXXXX	0	0	0
99997	CONTRACT PRICE ***		XXXXXXX		150	29		XXXXXXX	XXXXXXX	3,897	0	0	4,076

\$ 2,006 TO BE PAID BY OWNER
\$ 2,076 TO BE ABSORBED BY STAAB



EXTRA WORK LOG

4360 - MADISON WE
Engr - City

Date
11.5.08

Describe Work: Pump water from excav. After pipe failure
Clean basee slab and rebar from mud and silt. Re-install cap and mech. Restraints.

File No.
Plan Sheet No(s)

Job Conditions (weather, etc): P.cloudy and warm
 Omission from Plans & Specs
 Change in Design
 Different Site Conditions
 Owner's Request

EQUIPMENT/NOs.	HOURS	LABOR / NAME	HOURS		MATERIALS & SUBS
			START	END	
Backhoe(s)		Supervisor Mike sautter	6:00	5:30	11 Mech restraints provided
Loader(s)		Leadman Mark R	6:30	4:00	9 by Owner
Dozer(s)		Operator Trampus K.	6:30	3:00	8 3" trash pump rented LCS
Tractor		Pipelayer Ray G.	12:30	2:30	2
Compactors		Pipelayer Gordy W.	12:30	2:30	2
Crane		Carpenter Bob L.	6:30	5:00	10
Skidsteer		Carpenter			
		Laborer Kieth E.	6:30	3:00	8
		Laborer PM STEVE P			8

IMPORTANT - THIS REPORT TO BE TURNED IN DAILY

Method of Payment Change Order - Owner Back Charge - Sup / Sub Other
 Copied to: Owner Inspector Engineer
 Owner's Rep / Engr / Sup / Sub Signature & Printed Name: MIKE SAUTER
 Staab Construction Corporation Signature & Printed Name: _____

6

CHANGE ORDER ESTIMATE

File: 4360-CO
 Date: January 6, 2009
 Project: Madison Well #29
 Re: Adjust 12 RW due to Existing Flange
 File: 4360\CO-08.xls



Jeff Galbraith
 EARTH TECH/AECOM
 200 Indiana Avenue
 Stevens Point, WI 54481

NEW Code	ITEM DESCRIPTION	COMMENTS	Qty	UM	Material	Indirect	Rent	Hours	Rate	Labor	Sub	Equip	Totals
1022	PROJECT MANAGEMENT/SUPERVISION	0.00%	736	CLS				0	100.54	0			0
1220	BONDS & INSURANCE	4.71% OF TOTAL CONTRACT	2,315	C\$		16							16
1410	QUALITY CONTROL			CY					79.31	0			0
1999	TOTAL INDIRECT		XXXXXX	XXX		16			79.31	0			16
15003	10" - 14" FLANGED DI FITTING LABOR			EA				16	80.80	1,293			1,293
15070	CI PIPE MATERIAL		1	LS	909				80.80	0			909
99945	TOTAL COST		XXXXXX	XXX	909	16			80.80	1,293			2,218
99956	PERCENT MARGIN ***		XXXXXX	XXX	10.44%	10.44%			XXXXXXXXXX	XXXXXXXXXX	5.40%		XXXXXXXXXX
99956	MARGIN **		XXXXXX	XXX	95	2			XXXXXXXXXX	XXXXXXXXXX	0		97
99997	CONTRACT PRICE ***		XXXXXX	XXX	1,004	18			XXXXXXXXXX	1,293	0	0	2,315

(6)

Regenold, Doddie

From: Larson, Alan [ALarson@madisonwater.org]
Sent: Wednesday, January 07, 2009 12:17 PM
To: Regenold, Doddie; Galbraith, Jeff
Cc: ted.miller@aecom.com; Gormley, Jim
Subject: RE: Madison Well #29 - Existing 12" Raw Water Floor Pipe Out of Plumb

This is a reasonable proposal and you are authorized to proceed with the fix. We can add this to Change Order #1.

Al Larson P.E.
Principal Engineer - Water
Madison Water Utility
608.266.4653
608.225.9131 Cell

From: Regenold, Doddie [mailto:Doddie.Regenold@Staabco.com]
Sent: Tuesday, January 06, 2009 3:58 PM
To: Galbraith, Jeff; Larson, Alan
Cc: ted.miller@aecom.com; Gormley, Jim
Subject: Madison Well #29 - Existing 12" Raw Water Floor Pipe Out of Plumb

Jeff/Al,

Attached you will find a change order to correct the 12 RW line. Please let us know how to proceed ASAP so we can get the required parts on hand if the correction is to be made.

See attached drawing and below narrative for clarifications.

Thanks,

Doddie Regenold
Staab Construction Corp.
ph: 608-838-7909 x108

From: Gormley, Jim
Sent: Tuesday, January 06, 2009 3:53 PM
To: Regenold, Doddie
Subject: Madison Well #29 - Existing 12" Raw Water Floor Pipe Out of Plumb

Doddie,

The existing 12" raw water floor pipe that we need to connect to at Well #29 is not plumb. This makes the new vertical riser noticeably misaligned especially when compared to the block wall behind it. To fix this we would need to add a beveled filler flange after the new tee and below the vertical riser. This would make the new riser plumb, but would also shorten the distance between the riser and the 12" line we have installed running east to the new addition. This would require a shorter spool between the two 90° bends to allow us to leave the line going to the addition installed as is.

Please let me know if you have any questions.

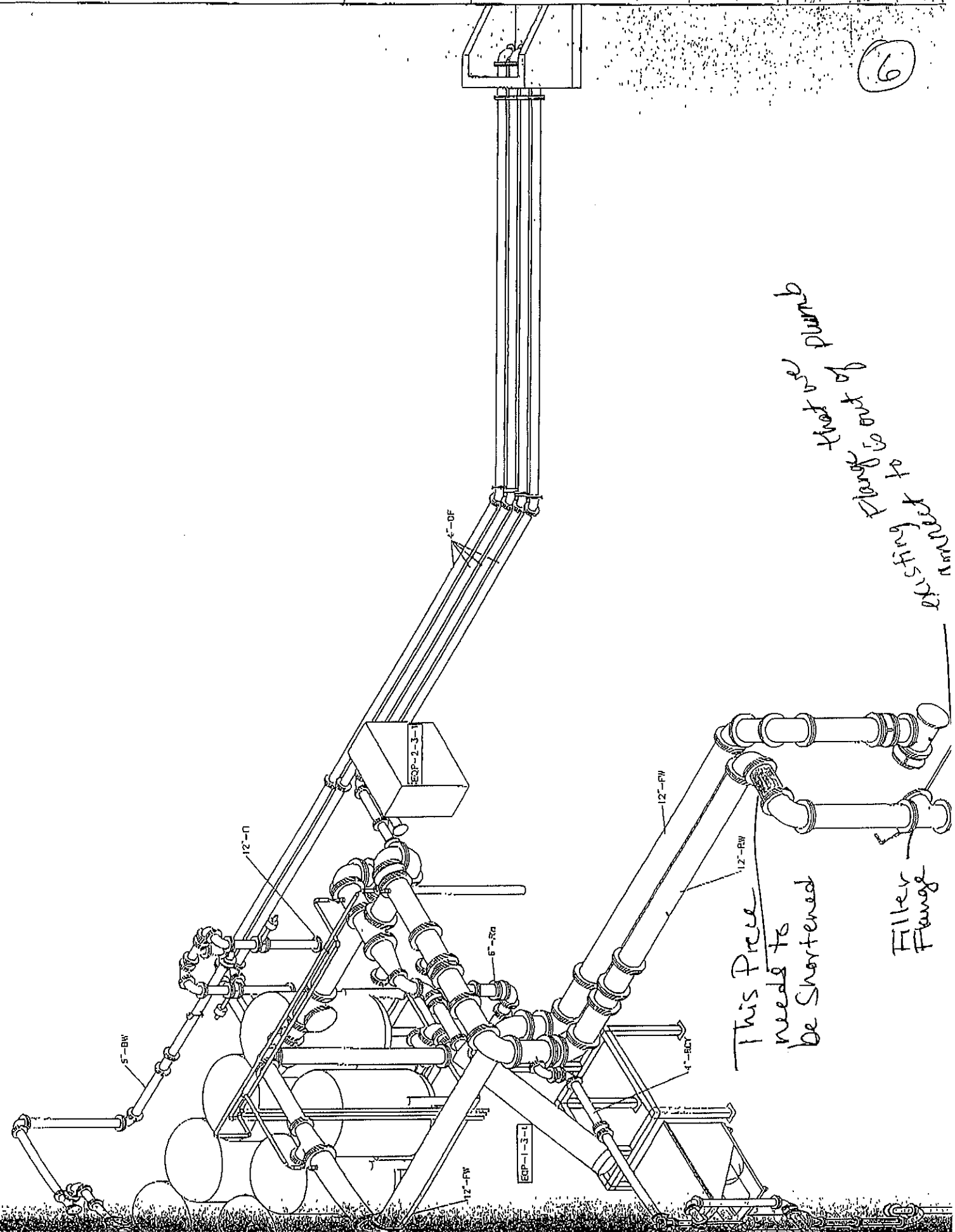
Thanks.

Jim

1/8/2009

VERIFY DIMENSIONS IF PLAN SHEET IS REDUCED

6



Handwritten note:
 This piece needs to be shortened
 that the pump flange is out of
 alignment with existing flange

Handwritten note:
 This piece needs to be shortened

Handwritten label:
 Filter Flange



18551 MADISON AVE., P.O. BOX 600, MADISON, WI 53706-0600
 FAX NO. 715.534-4848

CHANGE ORDER ESTIMATE

File: 4360-CO
 Date: January 8, 2009
 Project: Madison Well #29
 Re: Relocate 2" Drain Line
 File: 4360\CO-09.xls

Jeff Galbraith
 EARTH TECH/AECOM
 200 Indiana Avenue
 Stevens Point, WI 54481

NEW Code	ITEM DESCRIPTION	COMMENTS	Qty	UM	Material	Indirect	Rent	Hours	Rate	Lab	Sub	Equip	Totals
1002	PROJECT MANAGEMENT/SUPERVISION	0.00%	195	CLS				1	102.73	103			103
1220	BONDS & INSURANCE	0.71% OF TOTAL CONTRACT	613	CS		4							4
1410	QUALITY CONTROL			CY					81.03	0			0
1999	TOTAL INDIRECT		XXXXXXX	XXXX	0	4	0	1	\$102.73	103	0	0	107
2050	DEMOLITION		1	LS				1	82.45	82			82
9900	PAINTING		1	LS				2	82.45	0	50		50
15042	2" TO 4" PIPE EXPOSED			JT					82.86	165			165
15070	CI PIPE MATERIAL		1	LS	183				82.56	0			183
99995	TOTAL COST		XXXXXXXX	XXXX	183	4	0	4	\$87.57	350	50	0	588
99996	PERCENT MARGIN ***		XXXXXXXX	XXXX	11.60%	11.60%	11.60%	XXXXXX	XXXXXXXXXX	XXXXXXXXXX	5.00%	5.00%	XXXXXXXXXX
99996	MARGIN ***		XXXXXXXX	XXXX	21	1	0	XXXXXX	XXXXXXXXXX	XXXXXXXXXX	3	0	24
99997	CONTRACT PRICE ***		XXXXXXXXXX	XXXX	204	5	0	XXXXXXXX	XXXXXXXXXX	350	53	0	612

