

# Change Order

No. 1

Date of Issuance: March 15, 2012

Effective Date: March 15, 2012

Project: 23 <sup>rd</sup> Street Utilities Relocation	Owner: City of Lawrence, KS	Owner's Contract No.: UT1003CS
Contract: N/A		Date of Contract: December 2, 2011
Contractor: Redford Construction		Engineer's Project No.: 10A32-02E-3975

**The Contract Documents are modified as follows upon execution of this Change Order:**

**Description:**

1. Televis new sewer and casing pipes after construction.	\$ 4,347.51
2. Extend 12" force main and provide 60 LF 12" PVC and Fittings	\$ 8,579.26
3. Additional exploratory excavation to locate 12" Force Main	\$ 3,552.35
4. Located additional obstructions between MH 001 and MH 051	\$ 2,842.34
5. Adjust new MH 204 and existing MH 052	\$ 2,045.86
6. Repair 12" water main damaged by Torgenson Trenching	\$ 1,786.23
7. Realign new water main in DGCO yard due to conflict with sewer service	\$ 2,678.98
8. Additional exploratory excavation to locate 807 E. 23 <sup>rd</sup> St. service line	\$ 1,767.38
<b>TOTAL</b>	<b>\$27,599.91</b>

**Attachments (list documents supporting change):**

1. January 30, 2012 – Letter from Redford Construction with 4 page attachment
2. February 16, 2012 – Letter from Redford Construction with 1 page Material Invoice
3. February 16, 2012 – Letter from Redford Construction with 1 page T & M record
4. February 16, 2012 – Letter from Redford Construction with 1 page T & M record
5. February 16, 2012 – Letter from Redford Construction with 2 page email from R. Hofer and 1 page Oldcastle Invoice.
6. February 16, 2012 – Letter from Redford Construction with 1 page T & M record
7. February 16, 2012 – Letter from Redford Construction with 1 page T & M record, 1 page map and 1 page email from P. Ciesielski
8. February 16, 2012 – Letter from Redford Construction with 1 page T & M record

**CHANGE IN CONTRACT PRICE:**

**CHANGE IN CONTRACT TIMES:**

Original Contract Price:

\$1,216,000.00

[Increase] [Decrease] from previously approved Change Orders No. \_\_\_\_\_ to No. \_\_\_\_\_:

\$ -0-

Contract Price prior to this Change Order:

\$1,216,000.00

[Increase] [Decrease] of this Change Order:

\$27,599.91

Contract Price incorporating this Change Order:

\$1,243,599.91

Original Contract Times:  Working days  Calendar days

Substantial completion (days or date): May 15, 2012

Ready for final payment (days or date): June 15, 2012

[Increase] [Decrease] from previously approved Change Orders No. \_\_\_\_\_ to No. \_\_\_\_\_:

Substantial completion (days): N/A

Ready for final payment (days): N/A

Contract Times prior to this Change Order:

Substantial completion (days or date): May 15, 2012

Ready for final payment (days or date): June 15, 2012

[Increase] [Decrease] of this Change Order:

Substantial completion (days or date): N/A

Ready for final payment (days or date): N/A

Contract Times with all approved Change Orders:

Substantial completion (days or date): May 15, 2012

Ready for final payment (days or date): June 15, 2012

RECOMMENDED:

By: [Signature]  
Engineer (Authorized Signature)

Date: 3.15.2012

ACCEPTED:

By: [Signature]  
Contractor (Authorized Signature)

Date: MAR 15 2012

ACCEPTED:

By: \_\_\_\_\_  
Dave Wagner, Director of Utilities

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

By: \_\_\_\_\_  
Owner (Philip Ciesielski,  
Asst. Director of Utilities

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

By: \_\_\_\_\_  
Dave Corliss, City Manager

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

# REDFORD CONSTRUCTION, INC.

Stan Redford, President  
P. O. Box 1065  
Raymore, MO 64083

CERTIFIED D/MBE

Office 816-331-9556  
Fax 816-331-9427

January 30, 2012

Philip E. Ciesielski, P.E,  
Assistant Director of Utilities  
City of Lawrence Kansas  
Department of Utilities  
P.O. Box 708  
Lawrence, Kansas 66044

Re: 23<sup>rd</sup> Street Utility Relocations / UT1003CS  
Post T. V.

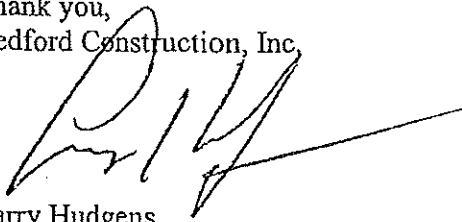
Mr. Ciesielski,

Per your request Redford Construction can perform the post T.V. of the new sanitary sewer main; per Ace Pipe Cleaning, Inc. proposal which will include the slope of the sewers.

Ace Pipe Cleaning:	\$3,780.45
Redford Construction 15% OH&P:	<u>\$ 567.06</u>
Total:	\$4,347.51

If you have any questions please give me a call.

Thank you,  
Redford Construction, Inc.



Larry Hudgens,  
Project Manager



# Ace Pipe Cleaning, Inc

Kansas City, Ft. Worth, Tulsa, Wichita, St. Louis, Hayden AZ

The Environmental Protection Specialist

4000 Truman Road  
Kansas City, Missouri 64127  
Tel: (816) 241-2891  
Fax: (816) 241-5054  
Watts: (800) 325-9372

Date: 01/18/12

Proposal No. 12-063

Proposal to: Larry Hudgens  
Redford Construction  
E-mail: [larry@redfordconstruction.com](mailto:larry@redfordconstruction.com)

RE: Lawrence, Kansas Post CCTV Inspection

**PROJECT DESCRIPTION:** Ace Pipe Cleaning will perform services to post televise 8-inch to 36-inch DIP and PVC pipe as a part of the "23<sup>rd</sup> Street Utilities Relocation" project in Lawrence, Kansas. The CCTV inspection will be performed using a robotic camera capable of recording the condition of the pipe. Data will be generated in digital and physical report format and will provide logged information of pipe condition, calling out defects (such as root intrusions, pipe separations, cracks, decay and crumbling) as necessary. All Ace data technicians are NASSCO PACP certified.

*Slope of Pipe*

**ACE PIPE CLEANING, INC. WILL FURNISH:** All necessary materials, personal protective equipment, skilled labor, and supervision to facilitate the safe and productive project scope above.

**OWNER WILL FURNISH:** Maps, access to manholes, and by-pass pumping (if needed)

**SCHEDULE:** Work will be scheduled upon signed approval of this proposal.

**PRICE IS AS FOLLOWS:**

SIZE	DESCRIPTION	SECTIONS	SECTION FOOTAGE	TOTAL	UNIT	UNIT PRICE	TOTAL PRICE
36	Steel Casing	2	105	210	LF	\$ 1.40	\$ 294.00
36	DIP	2	32	64	LF	\$ 1.40	\$ 89.60
30	DIP	1	66	66	LF	\$ 1.40	\$ 92.40
27	PVC	1	331	331	LF	\$ 1.35	\$ 446.85
24	PVC	1	26	26	LF	\$ 1.35	\$ 35.10
10	PVC	1	412	412	LF	\$ 1.25	\$ 515.00
8	PVC	1	76	76	LF	\$ 1.25	\$ 95.00
24	DIP	1	750	750	LF	\$ 1.35	\$ 1,012.50
Mobilization	ROUNDRIP			1	LUMP SUM	\$ 1,200.00	\$ 1,200.00
<b>TOTAL ESTIMATED PRICE</b>							<b>\$ 3,780.45</b>

We have submitted this proposal in good faith, under the assumption that the information provided by you is accurate and the description, scope, and intentions of this project listed in the proposal are accurate. We reserve the right to modify this proposal if the conditions vary widely from which were discoverable or which could reasonably be anticipated, in either case based on a reasonable inspection of the owner's facility.

**Hazardous Materials:** The owner states that there are no hazardous materials present in the current project area.

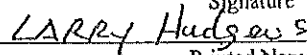
**Pricing is subject to change after a period of 90 days**

**Payment terms are net 30 days**

Thank you for the opportunity to submit this proposal to you. If acceptable please sign and return one copy by fax or email.

Respectfully Submitted:

Brian Carpenter  
 Superintendent  
 Ace Pipe Cleaning, Inc.  
 4000 E. Truman Road  
 Kansas City, MO 64127  
 Phone: (816) 241-2891  
 Fax: (816) 241-5054  
 Email: [bcarpenter@acepipe.com](mailto:bcarpenter@acepipe.com)  
 Website: [www.caryloncorp.com](http://www.caryloncorp.com)

Accepted this _____ Day of _____, 2012.
Signature  Printed Name

Is this project prevailing wage? YES  NO  
 If YES, please provide wage determination sheets

Is this project tax exempt?  YES NO  
 If YES, please provide tax exempt certificate

**ACE PIPE CLEANING PROFILE**

Since 1954, Ace Pipe Cleaning, Inc. has been cleaning, inspecting and repairing America's infrastructure. Today, we are part of the Carylon Corporation, the largest and most experienced wastewater maintenance firms in the nation. The Carylon Corporation, headquartered in Chicago, Illinois, is comprised of twenty wholly-owned subsidiary companies located in major areas throughout the United States.

**Our areas of specialty include:**

sewer and Storm Line Cleaning	CCTV Inspection
Cured-In-Place Point Repairs	Digester Tank Cleaning
Cured-In-Place Lateral Lining	Wet/Dry Vacuuming
Cured-In-Place Full Wrap Lateral Connections	Hydro Excavation
Cured-In-Place Chimney Seals	Sludge De-Watering
Dredging and Pumping	Soil Sludge Remediation
Infiltration/Inflow Control	Bio Solids Landfill Application
Cementitious Manhole Rehabilitation	Epoxy Manhole Rehabilitation

### Municipal Terms and Conditions

**General Conditions:** These general terms and conditions are incorporated by reference into the proposal and are part of the Agreement under which services are to be performed by the Contractor for the Customer. Customer's signature and return of the proposal as presented, or Customer's authorization of Contractor to commence the work, shall constitute acceptance of all of its terms and conditions.

1. **Warranty:** Contractor warrants that its work will be free from defects caused by faulty workmanship for a period of twelve months after substantial completion of the work. Any warranty claim must be presented in writing to Contractor within 12 months after the substantial completion of Contractor's work, or the claim shall be waived.
2. **Terms of Payment:** Payments are due within thirty days from the submission to Customer of an invoice or Application for Payment. A "late payment" charge of one and one-half percent (1½%) per month or the maximum legal interest rate, whichever is greater, will be made on all monies past due and shall be paid immediately.
3. **Customer Responsibilities:** Customer will provide mechanical services. Operation and control of Customer's equipment is the Customer's responsibility. If Contractor's work is interrupted due to circumstances caused or allowed by Customer and of which Contractor was not apprised prior to starting the work, an hourly fee will be charged.
4. **Pre-existing Conditions:** The Contractor will not be responsible for liability, loss or expense (including damage caused by the back-up of basement sewers) where the primary cause of the claim or damage is pre-existing conditions, including faulty, inadequate or defective design, construction, maintenance or repair of property or contamination of the subsurface where the condition existed prior to the start of the Contractor's work. Customer is responsible for loss of service equipment caused by the pre-existing condition at the job site.
5. **Environmental Conditions:** The debris is represented to Contractor to be non-hazardous, requiring no manifesting or special permitting. The Customer will be responsible for any additional costs or claims associated with the treatment, storage, disposal of the removed debris, or breach of the above representation, at any time during or after the completion of this project.
6. **Indemnification:** The Customer and Contractor will each indemnify the other in proportion to relative fault for liability, loss and expense incurred by the other party resulting from a negligent act or omission in performance of work under this Agreement. The Customer also will indemnify Contractor for liability, loss and expense resulting from Contractor services if the Contractor is acting at the direction or instruction of the Customer, or where the primary cause of any damages is due to information provided by the Customer. Where the Customer provides labor for the Contractor, the Customer will indemnify the Contractor for liability, loss or expense for work related injuries to those laborers not provided by the Contractor.
7. **Entire Agreement:** This proposal together with any written documents which may be incorporated by specific references herein, constitutes the entire agreement between the parties and supersedes all previous communications between them, either oral or written. The waiver by Contractor of any term, condition or provision herein stated shall not be construed to be a waiver of any other term, condition or provision hereof.
8. **Performance Dates:** The performance schedule, if stated in the proposal, is approximate and is not guaranteed by Contractor. Contractor shall not be liable for delays in delivery, fabrication or installation when such delays result from acts of government, acts of God, adverse weather, war, riot, labor disputes, civil insurrection or any other causes beyond Contractor's reasonable control, and the date of performance shall be adjusted for any such delays. Further, Contractor shall not be responsible for delays in the project caused by the failure of material/equipment suppliers to deliver material, equipment or services in the time and manner agreed upon or in the time and manner anticipated.
9. **Scope Limitations:** Any material, equipment, structure or service item that is not explicitly a part of this Contract is specifically excluded from Contractor's Work. Any item which is not specifically made a responsibility of Contractor in this Contract is specifically excluded.
10. **Contract Amendments:** The following contract amendment procedure is to be used for work performed for the Customer by Contractor, which is beyond the scope of the proposal. (a) As change order items are identified and before any work is done, Contractor and the Customer will review and agree on the work to be performed; (b) A contract amendment or change order will be completed with regard to scope and price and any schedule impact. All parties involved will sign the contract amendment or change order; and (c) Contractor will perform the work and bill the Customer. For time and materials work, back-up documentation will be provided.
11. **Limitation of Liability:** In no event shall Contractor be liable for any indirect, special or consequential loss or damage arising out of any work performed for Customer, including, but not limited to, loss of use, loss of profit, business interruption, interest, loss by reason of shutdown or non-operation of the Customer's facilities, increased expenses of operation of the Project, the facility or other facilities, or special consequential loss or damage, arising from any cause whatsoever, including without limitation, fire. To the fullest extent permitted by law, the total liability, in the aggregate, of Contractor to Customer or anyone claiming by or through Customer, for any and all liabilities, claims, losses, expenses, or damages whatsoever arising out of or in any way related to Contractor's services, the Project, or the Proposal, from any cause or causes whatsoever, including without limitation, negligence, strict liability, indemnity, warranty, or breach of contract, shall not exceed the Contract Amount. The Contractor is not responsible for the rendering of or failure to render architectural, engineering or surveying professional services.
12. **Attorney's Fees:** The prevailing party in any dispute between Contractor and Customer shall be entitled to receive attorneys' fees, court costs and other legal fees from the non-prevailing party.
13. **NOTICE TO OWNER FAILURE OF THIS CONTRACTOR TO PAY THOSE PERSONS SUPPLYING MATERIAL OR SERVICES TO COMPLETE THIS CONTRACT CAN RESULT IN THE FILING OF A MECHANIC'S LIEN ON THE PROPERTY WHICH IS THE SUBJECT OF THIS CONTRACT PURSUANT TO CHAPTER 429, RSMO. TO AVOID THIS RESULT YOU MAY ASK THIS CONTRACTOR FOR "LIEN WAIVERS" FROM ALL PERSONS SUPPLYING MATERIAL OR SERVICES FOR THE WORK DESCRIBED IN THIS CONTRACT. FAILURE TO SECURE LIEN WAIVERS MAY RESULT IN YOUR PAYING FOR LABOR AND MATERIAL TWICE.**

## Larry Hudgens

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**From:** Theresa Calvert [Theresa@AcePipe.com]  
**Sent:** Wednesday, January 18, 2012 3:14 PM  
**To:** Larry Hudgens  
**Cc:** Don Uberroth; Brian Carpenter  
**Subject:** Proposal Attached - Lawrence 23rd Utilities Relocation  
**Attachments:** PROP12-063 (Redford - Lawrence KS - Post CCTV).pdf

Larry,

Please review the attached proposal for post CCTV work in Lawrence. If acceptable please sign and return so we can schedule the work.

Thanks

Theresa Calvert  
Contract Manager



### **Ace Pipe Cleaning, Inc**

4000 Truman Road, Kansas City, Missouri 64127

Office: (816) 241-2891 ~ Fax: (816) 241-5054 ~ Cell: (816) 519-8690

E-mail: [theresa@acepipe.com](mailto:theresa@acepipe.com)

# REDFORD CONSTRUCTION, INC.

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Stan Redford, President  
P. O. Box 1065  
Raymore, MO 64083

CERTIFIED D/MBE

Office 816-331-9556  
Fax 816-331-9427

February 16, 2012

Project # 32-03  
Date: February 14, 2012  
Location: Lawrence, Kansas  
Project Name: 23<sup>rd</sup> Street Utility Relocation  
Project No. UT1003CS

Description: Extend existing 12" Force Main, "5A", and supply 60 LF of 12" PVC  
and fittings.

LABOR AND EQUIPMENT, ETC.

12" C900 PVC	60 LF @ \$100.00	\$6,000.00
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MATERIAL

H.D. SUPPLY WATERWORKS	(SEE ATTACHED)	\$2,242.84
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MATERIAL:	\$2,242.84
15% OH & P:	\$ 336.42
LABOR & EQUIPMENT:	<u>\$6,000.00</u>
TOTAL:	\$8,579.26

Redford Construction, Inc.

Larry Hudgens,  
Project Manager



REDFORD CONSTRUCTION  
PO BOX 1065  
RAYMORE MO 64083  
Telephone: 816-331-9556  
Fax: 816-331-9427

HDSWW - BLUE SPRINGS MO  
2500 NW South Outer Rd  
Blue Springs MO 64015  
Telephone: 816-229-9604  
Fax: 816-229-9607

Attention: LARRY H

2/02/12 Bid ID: 3002860 23RD ST LAWRENCE, KS

Page 1

Line	Quantity	Sell Per	Description	Net Price	Extended Price
10	60	FT	12 C900 DR14 PVC PIPE PURPLE MARKINGS PC200 OR PC305	18.57	1,114.20
20	2	EA	12 MJ 45 BEND P401 CP DI C153 PROTECTO LINING	414.32	828.64
30	4	EA	12 MEGALUG C900&IPS RED 2012PV	75.00	300.00
40	4	EA	12 MJ REGULAR GASKET F/DI	N/C	N/C
50	32	EA	3/4X4 COR-TEN T-HEAD B&N	N/C	N/C

# REDFORD CONSTRUCTION, INC.

Stan Redford, President  
P. O. Box 1065  
Raymore, MO 64083

CERTIFIED D/MBE

Office 816-331-9556  
Fax 816-331-9427

February 16, 2012

Project # 32-03  
Date: January 12, 2012  
Location: Lawrence, Kansas  
Project Name: 23<sup>rd</sup> Street Utility Relocation  
Project No. UT1003CS

Description: Additional exploratory excavation to locate existing 12" Force Main; 5A.

## LABOR

FOREMAN	6 HOURS @ \$60.00	\$ 360.00
OPERATOR	12 HOURS @ \$55.00	\$ 660.00
LABOR	12 HOURS @ \$50.00	<u>\$ 600.00</u>
TOTAL:		\$1,620.00

## EQUIPMENT

CATERPILLAR EXCAVATOR	6 HOURS @ \$170.00	\$1,020.00
JOHN DEERE JD 544 LOADER	6 HOURS \$56.00	\$ 336.00
MISC. SMALL TOOLS, PICKUP, ETC.	7% OF LABOR	<u>\$ 113.00</u>
TOTAL:		\$1,469.00

SUBTOTAL: \$3,089.00  
15% OH & P: \$ 463.35  
TOTAL: \$3,552.35

Redford Construction, Inc.

Larry Hudgens,  
Project Manager

## TIME AND MATERIAL RECORD

JOB: 23<sup>rd</sup> STREET Utility Improvements DATE: January 12, 2012

LOCATION: Existing force mains - South END of Job

FOREMAN: Glen Pannell

LABORERS:	OPERATORS:
<u>Chad Renfrow</u> <u>6</u> HOURS	<u>Russel Bills</u> <u>6</u> HOURS
<u>Glen Pannell</u> <u>6</u> HOURS	<u>Glen Pannell</u> <u>6</u> HOURS
_____ HOURS	_____ HOURS
_____ HOURS	_____ HOURS
_____ HOURS	_____ HOURS

EQUIPMENT:	MATERIALS
<input checked="" type="checkbox"/> TRUCK <u># 102</u> <u>6</u> HOURS	<input type="checkbox"/> MANHOLES _____
<input checked="" type="checkbox"/> BACKHOE <u># E-25</u> <u>6</u> HOURS	<input type="checkbox"/> PIPE _____
<input checked="" type="checkbox"/> LOADER <u>L-29</u> <u>6</u> HOURS	<input type="checkbox"/> KENT SEAL _____
<input type="checkbox"/> TARGET SAW _____ HOURS	<input type="checkbox"/> CONCRETE _____ YDS
<input type="checkbox"/> WATER PUMP _____ HOURS	<input type="checkbox"/> OTHER: _____
<input type="checkbox"/> COMPRESSOR _____ HOURS	_____
<input type="checkbox"/> BREAKER _____ HOURS	_____
<input type="checkbox"/> HAND DRILL _____ HOURS	_____
<input type="checkbox"/> OTHER: _____	_____

COMMENTS:  
Dug from Locates on WEST side of County Bldg. WEST to tree line on  
West side of trail. Dug down about 7 1/2' to solid rock & never found force  
main. WE WERE about 42' wide.

# REDFORD CONSTRUCTION, INC.

Stan Redford, President  
P. O. Box 1065  
Raymore, MO 64083

CERTIFIED D/MBE

Office 816-331-9556  
Fax 816-331-9427

February 16, 2012

Project # 32-03  
Date: January 20, 2012  
Location: Lawrence, Kansas  
Project Name: 23<sup>rd</sup> Street Utility Relocation  
Project No. UT1003CS

Description: Located obstructions between existing Manhole 001 to Manhole 051  
(10" VCP) Removed pole and repaired pipe.

## LABOR

FOREMAN	4 HOURS @ \$60.00	\$ 240.00
OPERATOR	8 HOURS @ \$55.00	\$ 440.00
LABOR	8 HOURS @ \$50.00	<u>\$ 400.00</u>
TOTAL:		\$1,080.00

## EQUIPMENT

HITACHI 450 EXCAVATOR	4 HOURS @ \$209.00	\$ 836.00
CATERPILLAR 963 LOADER	4 HOURS @ \$120.00	\$ 480.00
MISC. SMALL TOOLS, PICKUP, ETC.	7% OF LABOR	<u>\$ 75.60</u>
TOTAL:		\$1,391.60

SUBTOTAL: \$2,471.60  
15% OH & P: \$ 370.74  
TOTAL: \$2,842.34

Redford Construction, Inc.

Larry Hudgens,  
Project Manager

## TIME AND MATERIAL RECORD

JOB: 23<sup>rd</sup> STREET UTILITY RELOCATION      DATE: January 20, 2012

LOCATION: 10" SEWER UNDER BRIDGE- FOUND TWO POLES ON EX. PIPE - ONE THAT HAD PIPE CRUSHED WAS ABOUT 10' OFF OF LOCATE - HAD TO REPAIR PIPE

FOREMAN: Glen Pannell

LABORERS:	OPERATORS:
<u>CHAD RENFROW</u> 4 HOURS	<u>RUSSEL BILLS</u> 4 HOURS
<u>John MITCHELL</u> 4 HOURS	<u>ROY PANNELL</u> 4 HOURS
<u>Glen PANNELL</u> 4 HOURS	_____ HOURS
_____ HOURS	_____ HOURS
_____ HOURS	_____ HOURS

EQUIPMENT:	MATERIALS
<input checked="" type="checkbox"/> TRUCK <u># 102 - 4</u> HOURS	<input type="checkbox"/> MANHOLES      _____
<input checked="" type="checkbox"/> BACKHOE <u>E-27 - 4</u> HOURS	<input checked="" type="checkbox"/> PIPE <u>CITY SUPPLIED</u>
<input checked="" type="checkbox"/> LOADER <u>L-22 - 4</u> HOURS	<input type="checkbox"/> KENT SEAL      _____
<input checked="" type="checkbox"/> TARGET SAW <u>2</u> HOURS	<input type="checkbox"/> CONCRETE      _____ YDS
<input type="checkbox"/> WATER PUMP      _____ HOURS	<input type="checkbox"/> OTHER:      _____
<input type="checkbox"/> COMPRESSOR      _____ HOURS	_____
<input type="checkbox"/> BREAKER      _____ HOURS	_____
<input type="checkbox"/> HAND DRILL      _____ HOURS	_____
<input type="checkbox"/> OTHER:      _____	_____

COMMENTS: PIPE WAS CRUSHED FROM POLE BEYOND REPAIR. HAD TO REPLACE 3' OF PIPE WITH 2 FERRO'S. WE BOUGHT 2 FERRO'S AND PIPE, BUT KIRK WANTED TO USE TRUSS PIPE THE SAME DIAMETER.

# REDFORD CONSTRUCTION, INC.

Stan Redford, President  
P. O. Box 1065  
Raymore, MO 64083

CERTIFIED D/MBE

Office 816-331-9556  
Fax 816-331-9427

February 16, 2012

Project # 32-03  
Date: February 7, 2012  
Location: Lawrence, Kansas  
Project Name: 23<sup>rd</sup> Street Utility Relocation  
Project No. UT1003CS

Description: Adjust new Manhole 204 and existing Manhole 052.  
Manholes not in location as indicated on plans.  
Additional Manhole depth and excavation

## LABOR

FOREMAN	2 HOURS @ \$60.00	\$120.00
OPERATOR	4 HOURS @ \$55.00	\$220.00
LABOR	4 HOURS @ \$50.00	<u>\$200.00</u>
TOTAL:		\$540.00

## EQUIPMENT

KOMATSU 400 EXCAVATOR	2 HOURS @ \$204.00	\$408.00
CATERPILLAR 963 LOADER	2 HOURS @ \$120.00	\$240.00
MISC. SMALL TOOLS, PICKUP, ETC.	7% OF LABOR	<u>\$ 37.80</u>
TOTAL:		\$685.80

## MATERIAL

PRECAST MANHOLE	4.97 VF @ \$101.25	\$503.21
SEAL & WRAP	LUMP SUM @ \$50.00	<u>\$ 50.00</u>
TOTAL:		\$553.21

SUBTOTAL: \$1,779.01  
15% OH & P: \$ 266.85  
TOTAL: \$2,045.86

Redford Construction, Inc.  
Larry Hudgens,  
Project Manager

Note - MH location was further  
into the embankment of 23<sup>rd</sup>  
street the two hours is for  
additional excavation, backfill  
and remove the mt.

## Larry Hudgens

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**From:** Rod Hofer [Rod.Hofer@pec1.com]  
**Sent:** Thursday, January 05, 2012 4:04 PM  
**To:** Larry Hudgens  
**Cc:** knyberg@lawrenceks.org; Philip Ciesielski  
**Subject:** 10A32-002E Revisions Based on Field Located MH 52

Based on the coordinates, rim elevations and invert elevations provided to PEC for existing MH 204, MH 52 and MH 51, I have recalculated the design elevations as follows:

MH 52 (N 234069.84, E 2100892.65)  
New Top Rim = 882.00 (Current 879.28)

New MH 204 (N 234076.22, E 2100941.84)

TOP RIM = 882.15  
FL IN (N) = 869.10 (Drop)  
FL IN (E) = 860.84  
FL OUT (W) = 860.50

+ 2.72 V/F

879.90

+ 2.25 V/F

New MH 204 - Clockwise from the effluent line:

FL IN (N) 67 degrees  
FL IN (E) = 157 degrees

MH 52 - Clockwise from the effluent line:

FL 10" IN (ESE) 129 degrees  
FL 10" IN (S) 190 degrees

The length of 10" sewer between New MH 204 and MH 52 is increased from 241.94 to 245.13 feet.

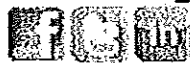
Please contact me if you have any questions regarding the above information.

**Rodney J. Hofer, PE**

Topeka Water/Wastewater Division  
785-233-8300 Office  
[Rod.Hofer@pec1.com](mailto:Rod.Hofer@pec1.com)



Professional Engineering Consultants, P.A.  
1263 SW Topeka Blvd., Topeka, KS 66612  
785-233-8300 [www.pec1.com](http://www.pec1.com)



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## Larry Hudgens

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**From:** Rod Hofer [Rod.Hofer@pec1.com]  
**Sent:** Friday, December 30, 2011 3:13 PM  
**To:** Larry Hudgens; Philip Ciesielski; knyberg@lawrenceks.org  
**Cc:** Jim Martin; blaine@ksdot.org  
**Subject:** 10A32-002E 23rd Street Utilities Relocation - New MH 204 and Ex. MH 52

Gentlemen

As most of us are aware, the manhole at approximately Station 24+87, 71 feet Lt. on the KDOT plans (MH 204 on the PEC plans) is not located on the east-west 10" sewer line as depicted on the KDOT plans. It is located on the 8" sewer approaching from the north and connects into a previously undocumented manhole (MH 52) located southeast of MH 204. MH 52 was not located during the KDOT survey nor the supplemental survey conducted by PEC although its estimated location is depicted on the PEC Utilities Relocation plans. Redford Construction has located MH 52 and it is reported to be 10 feet farther south than the location depicted on the PEC plans. As the sewer design anticipated extending the 8" sewer south through existing MH 204 to a new MH 204 centered on the existing east-west 10" sewer between MH 52 and MH 51, the location of this interception point will shift south from the current plan location.

At the December 28 progress meeting, PEC agreed to determine how the KDOT plans impact the design based on the new manhole locations. Both MH 52 and New MH 204 will move farther away from Shoofly #1 and the proposed sidewalk. Existing MH 204 lies immediately south of the south edge of Shoofly #1 and will be relocated 18.5 feet south as New MH 204. MH 52 and New MH 204 will be located higher up on the 23<sup>rd</sup> Street embankment. The proposed embankment design will cut approximately four feet off of the existing embankment. Based on the report that MH 52 is located 10 feet south of the location shown on the PEC plans, MH 52 should be lowered to a rim elevation of 882.0 to match the proposed highway embankment. New MH 204 would shift approximately 9.2 feet south to intercept the existing sewer between MH 51 and MH 52. Its top elevation should be set at 882.3 to match the proposed highway embankment.

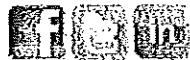
In order to insure that New MH 204 is fabricated correctly, we request that Redford Construction provide the existing rim elevation of MH 52 and the distance between the MH 52 effluent pipe flowline and the top of the rim. In addition, if Redford Construction could provide the coordinates of MH 52, it would allow us to confirm its location.

**Rodney J. Hofer, PE**

Topeka Water/Wastewater Division  
785-233-8300 Office  
[Rod.Hofer@pec1.com](mailto:Rod.Hofer@pec1.com)



Professional Engineering Consultants, P.A.  
1263 SW Topeka Blvd., Topeka, KS 66612  
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5230 North West 17th  
Topeka, KS 66618

Telephone: 785-232-2982  
Fax: 785-232-5842

INVOICE

Remit to:
Oldcastle Precast Inc. File No: 72477-120 P. O. Box 60000 San Francisco, CA 94160-2477

Tax exempt number: 014-000509  
Site: Topeka

SOLD TO:  
394 1 A8 0.374 E0020 10031 D429005410 P978047 0002:0003

SHIP TO:



REDFORD CONSTRUCTION  
PO BOX 1065  
RAYMORE MO 64083-1065

Utility Relocation  
23rd Street Bridge Replacement  
Lawrence, KS 66044

2178

Invoice No.	Date	Customer No.	Order No.	Customer PO	F.O.B.	Mode of Delivery
120021705	1/24/2012	120000541	S013994		FOB Job Site	Eylander

Packing slip(s) ...: SP032293

5010 4,465.70 1032-03 CCode 150 Cclass 2

Group: 10A	Order Qty	Description	Shipped	Remaining	Prev Inv	Unit Price	Prev Inv \$	Current Inv \$
	1.00	10A MH 96" Base 8" Thick with 69" Riser 1, 1040 1, 800 A-Lok	0.00	1.00	0.00	2,232.74	0.00	0.00
	1.00	A-LOK Gasket #1040 C905 PVC (OD=32.00")	0.00	1.00	0.00	279.54	0.00	0.00
	1.00	A-LOK Gasket #800	0.00	1.00	0.00	99.00	0.00	0.00
	1.00	MH FlatTop 96"x 10"w/27"EccOpg	1.00	0.00	0.00	861.77	0.00	861.77
	1.00	Grade Ring 27" Dia.X 6" Keyed	1.00	0.00	0.00	38.31	0.00	38.31
	1.00	CI Frame Deater 1048 DFI#1048-0110	1.00	0.00	0.00	146.15	0.00	146.15
	1.00	CI Cover Deater 1048 Pin hpsps DFI#1048-2800	1.00	0.00	0.00	129.49	0.00	129.49
Group Total:						3,787.00	0.00	1,175.77

Group: 204	Order Qty	Description	Shipped	Remaining	Prev Inv	Unit Price	Prev Inv \$	Current Inv \$
	1.00	204 MH 60" Base 8" Thick w lth 45" Riser 2, 350 A-Loks	0.00	1.00	0.00	788.71	0.00	0.00
	2.00	A-LOK Gasket #350	0.00	2.00	0.00	42.22	0.00	0.00
	1.00	MH Riser 60"x2.67' T&G	1.00	0.00	0.00	322.10	0.00	322.10
	1.00	204 MH Riser 60"x 72" 1, 285 A-Lok	0.00	1.00	0.00	607.50	0.00	0.00
	1.00	A-LOK Gasket #285 (8"PVC 8.4")	0.00	1.00	0.00	38.00	0.00	0.00
	1.00	MH Riser 60"x6.00' T&G	1.00	0.00	0.00	607.50	0.00	607.50
	1.00	MH Cone 60"x2'8" w/27" Ecc.	0.00	1.00	0.00	293.36	0.00	0.00
	1.00	Grade Ring 27" Dia.X 5" Keyed	0.00	1.00	0.00	36.75	0.00	0.00
	1.00	CI Frame Deater 1048 DFI#1048-0110	0.00	1.00	0.00	146.15	0.00	0.00
	1.00	CI Cover Deater 1048 Pin hpsps DFI#1048-2800	0.00	1.00	0.00	129.49	0.00	0.00
Group Total:						3,011.78	0.00	929.6

Group: 49C	Order Qty	Description	Shipped	Remaining	Prev Inv	Unit Price	Prev Inv \$	Current Inv \$
	1.00	49C MH 96" Base 8" Thick with 61" Riser 2, 800 A-Loks	0.00	1.00	0.00	2,138.62	0.00	0.00
	2.00	A-LOK Gasket #800	0.00	2.00	0.00	99.00	0.00	0.00
	1.00	49C MH 96"x 48" Riser	1.00	0.00	0.00	1,186.22	0.00	1,186.22
	1.00	49C MH 96"x 96" Riser 1, 285 A-Lok	0.00	0.00	1.00	1,749.00	1,749.00	0.00
	1.00	A-LOK Gasket #285 (8"PVC 8.4")	0.00	0.00	1.00	38.00	38.00	0.00
	1.00	MH FlatTop 96"x 10"w/27"EccOpg	1.00	0.00	0.00	861.77	0.00	861.77
	1.00	Grade Ring 27" Dia.X 5" Keyed	1.00	0.00	0.00	36.75	0.00	36.75

# REDFORD CONSTRUCTION, INC.

Stan Redford, President  
P. O. Box 1065  
Raymore, MO 64083

CERTIFIED D/MBE

Office 816-331-9556  
Fax 816-331-9427

February 16, 2012

Project # 32-03  
Date: February 2, 2012  
Location: Lawrence, Kansas  
Project Name: 23<sup>rd</sup> Street Utility Relocation  
Project No. UT1003CS

Description: Torgeson Trenching Company damaged the new 12" Water Main while directional drilling. Repair as needed.

## LABOR

FOREMAN	3 HOURS @ \$60.00	\$180.00
OPERATOR	3 HOURS @ \$55.00	\$165.00
LABOR	9 HOURS @ \$50.00	\$450.00
	TOTAL:	\$795.00

## EQUIPMENT

JOHN DEERE 310 EXCAVATOR	3 HOURS @ \$43.00	\$129.00
MISC. SMALL TOOLS, PICKUP, ETC.	7% OF LABOR	\$ 55.65
	TOTAL:	\$184.65

## MATERIAL

12" MJ SLEEVE	2 EACH @ \$236.80	\$473.60
12" DIP	CITY FURNISHED	NO CHARGE
SAND	10 TONS @ \$10.00	\$100.00
	TOTAL:	\$573.60

SUBTOTAL: \$1,553.25  
15% OH & P: \$ 232.98  
TOTAL: \$1,786.23

Redford Construction, Inc.  
Larry Hudgens,  
Project Manager

### TIME AND MATERIAL RECORD

JOB: Lawrence 32-03 DATE: 2-1-12

LOCATION: Leonard & 23rd St.

FOREMAN: Grant Halverson 3

**LABORERS:**

<u>Tim Elliot</u>	<u>3</u>	HOURS
<u>Ron Miller</u>	<u>3</u>	HOURS
<u>Keith Artell</u>	<u>3</u>	HOURS
_____	_____	HOURS
_____	_____	HOURS

**OPERATORS:**

<u>Tack Fletcher</u>	<u>3</u>	HOURS
_____	_____	HOURS
_____	_____	HOURS
_____	_____	HOURS
_____	_____	HOURS

**EQUIPMENT:**

<input checked="" type="checkbox"/> TRUCK	<u>#83</u>	<u>3</u>	HOURS
<input checked="" type="checkbox"/> BACKHOE	<u>E7</u>	<u>3</u>	HOURS
<input type="checkbox"/> LOADER	_____	_____	HOURS
<input type="checkbox"/> TARGET SAW	_____	_____	HOURS
<input type="checkbox"/> WATER PUMP	_____	_____	HOURS
<input type="checkbox"/> COMPRESSOR	_____	_____	HOURS
<input type="checkbox"/> BREAKER	_____	_____	HOURS
<input type="checkbox"/> HAND DRILL	_____	_____	HOURS
<input type="checkbox"/> OTHER:	_____	_____	

**MATERIALS**

<input type="checkbox"/> MANHOLES	_____
<input type="checkbox"/> PIPE	_____
<input type="checkbox"/> KENT SEAL	_____
<input type="checkbox"/> CONCRETE	_____ YDS
<input type="checkbox"/> OTHER:	_____
	<u>2-12" Sleeves (HN)</u>
	<u>10T Sand</u>
	<u>6' DIP</u>
	_____
	_____

Comments: Torgeson Trenching Pulled 10" Reamer into 12" station 14+00  
DIP @ 30' Bore under tree drip line, R&R 5 1/2 12"  
DIP, 2-12" Sleeves

# REDFORD CONSTRUCTION, INC.

Stan Redford, President  
 P. O. Box 1065  
 Raymore, MO 64083

CERTIFIED D/MBE

Office 816-331-9556  
 Fax 816-331-9427

February 16, 2012

Project # 32-03  
 Date: January 30, 2012  
 Location: Lawrence, Kansas  
 Project Name: 23<sup>rd</sup> Street Utility Relocation  
 Project No. UT1003CS

Description: Sanitary Sewer Service conflicted with the 8" Water Main;  
 404+80 to 406+30. Realignment of Water Main to Douglas Company's  
 parking lot. Gravel backfill and compaction.

LABOR

FOREMAN	<del>0</del> 8 HOURS @ \$60.00	\$ 480.00
OPERATOR	2 8 HOURS @ \$55.00	<u>\$ 440.00</u> 110
TOTAL:		<del>\$ 920.00</del> 110

EQUIPMENT

JOHN DEERE 444 LOADER	2 8 HOURS @ \$51.00	\$ 408.00 102
MISC. SMALL TOOLS, PICKUP, ETC.	7% OF LABOR	<del>\$ 64.40</del> 7.70
TOTAL:		<del>\$ 472.40</del> 109.70

MATERIAL

GRAVEL	83.33 TONS @ \$14.25	\$1,187.45
AB-3	20.8 TONS @ \$9.25	\$ 192.40
DUMP TRUCK (RD JOHNSON)	8 HOURS @ \$80.00	\$ 640.00
DUMP FEE	9 EACH @ \$10.00	<u>\$ 90.00</u>
TOTAL:		\$2,109.85

SUBTOTAL:	<del>\$3,502.25</del> 2679.55	
15% OH & P:	\$ 525.34	349.43
TOTAL:	<u>\$4,027.59</u>	<u>2678.98</u>

Redford Construction, Inc.  
 Larry Hudgens,  
 Project Manager

Two Hours for Abcl. time  
 spoil to be leveled and  
 used away.

TIME AND MATERIAL RECORD

JOB: 32-03 - Lawrence DATE: 1-30-12

LOCATION: 8" pvc <sup>404</sup> ~~405~~ + 80 to 406+30  
Relocate into parking lot Due to Sanitary Service

FOREMAN: Gert Hulvorsen

LABORERS:	HOURS	OPERATORS:	HOURS
_____	_____	<u>Jack Fletcher</u>	<u>8</u>
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

EQUIPMENT:	HOURS	MATERIALS	YDS
<input type="checkbox"/> TRUCK	_____	<input type="checkbox"/> MANHOLES	_____
<input type="checkbox"/> BACKHOE	_____	<input type="checkbox"/> PIPE	_____
<input checked="" type="checkbox"/> LOADER <u>L33</u>	<u>8</u>	<input type="checkbox"/> KENT SEAL	_____
<input type="checkbox"/> TARGET SAW	_____	<input type="checkbox"/> CONCRETE	_____
<input type="checkbox"/> WATER PUMP	_____	<input type="checkbox"/> OTHER:	_____
<input type="checkbox"/> COMPRESSOR	_____	<u>Gravel - 150' x 2' x 5'</u>	
<input type="checkbox"/> BREAKER	_____	<u>AB3 150' x 6" x 5'</u>	
<input type="checkbox"/> HAND DRILL	_____	<u>2-Truck 8hrs RB Johnson</u>	
<input type="checkbox"/> OTHER:	_____	_____	

COMMENTS:  
moved into parking lot Due to Sanitary  
Service running where new water was suppose  
to go. Just need to recycle aggregate  
backfill in Street and haul off ~~of~~ of spoils



## Larry Hudgens

---

**From:** Philip Ciesielski [pciesielski@lawrenceks.org]  
**Sent:** Friday, January 27, 2012 9:38 AM  
**To:** Larry Hudgens; Rod Hofer  
**Subject:** DGCO Shops Watermain Easement  
**Attachments:** exhibit from DGCO\_watermain\_easement.pdf

I spoke to Keith Browning and his okay with a field change to move the section of watermain in the area highlighted in green 10 ft west to obtain clearance from the sanitary sewer service from the Household Hazardous Waste Facility. The wye in question was found to 1 – extend to the HHW building and 2 – terminate in a buried cleanout adjacent to the wye. The “pumped flow” was the toilet in the HHW facility running on and flushing.

Rod – once the line is installed we will get GPS shots for use. We can then discuss how to address the add'l easement requirements.

This has been relayed to Kirk Nyberg in the field so the work can proceed.

**Philip E. Ciesielski, P.E. Assistant Director of Utilities, [pciesielski@lawrenceks.org](mailto:pciesielski@lawrenceks.org)**  
Department of Utilities | [City of Lawrence, KS](#)  
PO Box 708, Lawrence, KS 66044  
office (785)-832-7831 | fax (785)-832-7897