

3-C)



City Council Agenda Item
Meeting of December 1, 2015

TO: The Honorable Mayor and Members of the City Council
FROM: James R. O'Connor, City Manager
DATE: November 18, 2015

SUBJECT: 23rd Street Culvert Replacement at 20th Avenue –
Recommendation of Project Acceptance and Final Payment –
City of Vero Beach Project No. 2010-15

REQUESTED BY: City Manager/Public Works Department

The following is requested as it relates to the above-referenced agenda item:

- Request Council review and approval based on the attached supporting documentation.
 - No action required. (Information only)
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DEPARTMENTAL CORRESPONDENCE

TO: James R. O'Connor, City Manager
DEPT: City Manager

VIA: Monte K. Falls, PE, Director
DEPT: Public Works *MKF*

VIA: Robert Bolton, Director *RB* -
DEPT: Water & Sewer

FROM: Matthew T. Mitts, PE, Civil Engineer III *MTM 11/16/15*
DEPT: Public Works

DATE: November 16, 2015

**RE: 23rd Street Culvert Replacement at 20th Avenue
Recommendation of Project Acceptance and Final Payment
City of Vero Beach Project No. 2010-15**

Background:

This project was for replacement of the failing 108" corrugated metal pipe at 23rd Street where it crosses the 20th Avenue canal with a 10' wide by 8' tall reinforced concrete box culvert. The project also included additions and upgrades to sidewalks, curbing, and drainage.

On November 18, 2014, Council awarded the referenced contract to Timothy Rose Contracting, Inc. of Vero Beach, Florida in the amount of \$298,647.15. Notice to Proceed was issued February 2, 2015, and work began preparing the site for construction.

Additional work included the use of a trench box in order to install stormwater pipes at an elevation lower than originally anticipated which resulted in the majority of work added in Change Order 1. Additionally, the manufacturer of the box culvert had trouble obtaining the necessary reinforcing steel to build the box culvert delaying delivery to the contractor by more than a month.

Contract time was added for the trench box work, box culvert delivery delay, custom fabrication of certain project elements, curb and wall elements that were modified during the project to accommodate site conditions, and weather delays.

This project has been inspected and we confirm that it was constructed in accordance with the contract requirements and that \$301,918.67 represents the total amount of work completed. This represents an increase of \$3,271.52 over the originally approved contract amount of \$298,647.15. The increase of \$3,271.52 in the contract price represents costs incurred to use the trench box and other adjustments for as-built material quantities.

Two days are to be assessed as liquidated damages due to the contractor not finishing the job in the time allotted in the contract. The contract prescribes liquidated damages of \$884.00 dollars per day for a total of \$1,768.00. The total work completed less liquidated damages is \$300,150.67. Previous payments to the contractor total \$246,173.48; therefore, we recommend final payment in the amount of \$53,977.19.

Funding:

Funding for this project will be from the following accounts:

304.9900.541.612002	23 rd Street Culvert Account	\$253,265.36
423.9011.536.611331	Water & Sewer Dept. Capital Improvement Funds	\$46,885.31

Recommendation:

- Place this item on the City Council's agenda for December 1, 2015;
- Accept the project as follows:

Approve Change Order No. 1 which reconciles as-built quantities, adds additional pay items, and adds 76 contract days for non-contractor caused delays. The change order will result in a final contract time of 166 days and a total contract price of \$301,918.67;

Assess liquidated damages in the amount of \$1,768.00 for contractor caused delays. The liquidated damages reduce the total payment to the contractor to \$300,150.67; and

Approve Pay Estimate No. 5 and Final for \$53,977.19.

Upon Council's acceptance of this project the one-year warranty period will begin.

We have attached four signed original final change orders, along with one copy of the final pay request and the Contractor's Final Request for Payment affidavit. By copy of this correspondence (with attachments) to Cynthia Lawson, Finance Director we are notifying her of this action.

Attachments

cc: Cynthia D. Lawson, Finance Director, w/attachments
Robert Bolton, Water and Sewer Director
John O'Brien, Purchasing Manager
Timothy Rose, Timothy Rose Contracting, Inc.

MTM:ntn

PROJECT NAME: 23rd Street Culvert Replacement at 20th Avenue Lateral "E" Canal CONTRACT CHANGE ORDER NUMBER 1 AND FINAL Prepared By: CITY OF VERO BEACH DEPARTMENT OF PUBLIC WORKS ACCOUNT NUMBER: 304.9900.541.612002 PROJECT NUMBER: 2010-15	CONTRACT DATE: 12/02/2014 NOTICE TO PROCEED 02/02/2015
Name and Address of Contractor: Timothy Rose Contracting, Inc. 1360 SW Old Dixie Hwy, Ste 106, Vero Beach FL	

YOU ARE HEREBY REQUESTED TO COMPLY WITH THE FOLLOWING CHANGES FROM THE CONTRACT PLANS AND SPECIFICATIONS:

(1)	(2)	(3)	(4)				
BID ITEM	DESCRIPTION	CONTRACT QUANTITY	UNITS	UNITS PRICE	CHANGE ORDER QUANTITY	INCREASE IN CONTRACT PRICE	DECREASE IN CONTRACT PRICE
RECONCILING AS-BUILT QUANTITIES:							
Division I - Culvert Replacement							
5.b.	18" Storm Culvert	40	LF	\$27.64	37		\$82.92
6.c.	Furnish and install Flexi-Pave® Curb Drain (including but not limited to D Curb, underdrain rock, 8"perforated pipe, waterproof membrand and filter cloth)	85	LF	\$48.00	81		\$192.00
6.d.	Flexi-Pave® (2" Thick)	165	SF	\$23.65	224	\$1,395.35	
6.g.	Flexamat® slope protection	1200	SF	\$7.98	960		\$1,915.20
8.a.	F Curb	365	LF	\$21.00	385	\$420.00	
8.b.	Concrete Sidewalk (6" thick)	1575	SF	\$4.20	1719	\$604.80	
8.c.	Extra Concrete	10	CY	\$250.00	0		\$2,500.00
9.a.	Temporary Pavement Restoration (includes compacted stabilized backfill to 90% max. dry density and 1" asphalt)	200	SY	\$16.00	40		\$2,560.00
9.b.	Permanent Pavement Restoration (includes replacement of 12" backfill material with approved limerock base compacted to 100% max. dry density and 1½" Type S-III or SP9.5 asphalt)	270	SY	\$32.00	348	\$2,496.00	
9.c.	1" Type S-3 or SP9.5 Asphalt Overlay	875	SY	\$8.00	970	\$760.00	
9.d.	Additional S-3 Asphalt (for leveling)	20	TN	\$120.00	15		\$600.00
10.	Additional Fill (borrow for backfill as required)	500	CY	\$15.00	0		\$7,500.00
11.	Furnish and install Argentine Bahia sod	290	SY	\$2.25	1170	\$1,980.00	
12.	Furnish and Install ADA Truncated Dome detectable warning surface (yellow)	12	EA	\$253.00	14	\$506.00	
13.a.	12" White Thermoplastic	300	LF	\$4.00	0		\$1,200.00
13.b.	12" Yellow Thermoplastic	80	LF	\$2.00	0		\$160.00
13.c.	6" Yellow Thermoplastic	320	LF	\$1.00	0		\$320.00
14.	Rock Removal	5	CY	\$100.00	0		\$500.00
Division II - Utility Relocation							
16.	Install 2½" PVC Water Main (SDR21 BLUE) (Item to include Trace Wire)	60	LF	\$15.00	1.5		\$877.50
17.	Install 6" Ductile Iron Water Main (PR350 Cement Lined)	240	LF	\$34.27	203		\$1,267.99
18.	Remove Existing 2"-6" Water Main (Item to include all existing valves, fittings, service saddles, etc.)	340	LF	\$10.00	276		\$640.00
24.b.	6" 45 Bend	8	EA	\$374.00	9	\$374.00	
24.d.	6" L.B. Sleeve	2	EA	\$384.00	0		\$768.00
25.	Install 6" Megalug Bell Restraints (Series 1100HD) on New Ductile Iron Slip-on Joint Pipe	4	EA	\$198.00	5	\$198.00	
26.	Install 6" Megalug Bell Restraints (Series 1106SD) on Existing Cast Iron Pipe (Verify pipe outside diameter before ordering the retainer glands)	8	EA	\$198.00	2		\$1,188.00
Total Reconciling Items:						\$8,734.15	\$22,271.61

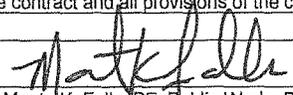
BID ITEM	DESCRIPTION	CONTRACT QUANTITY	UNITS	UNITS PRICE	CHANGE ORDER QUANTITY	INCREASE IN CONTRACT PRICE	DECREASE IN CONTRACT PRICE
ADDITIONAL ITEMS:							
<u>Division I - Culvert Replacement</u>							
	Wellpoint Dewatering System	0	LS	\$5,637.50	1	\$5,637.50	
	Trench Box	0	LS	\$2,050.00	1	\$2,050.00	
	Additional Excavate/Backfill	0	LS	\$3,760.73	1	\$3,760.73	
	Additional Soils Test	0	LS	\$871.25	1	\$871.25	
	Block Bricks in Hole in Culvert	0	LS	\$512.50	1	\$512.50	
	Core New Holes in Box Culvert	0	LS	\$1,537.50	1	\$1,537.50	
	Additional 2 Loads of Rip Rap @ \$350 EA	0	LS	\$717.50	1	\$717.50	
	D Curb	0	LF	\$21.00	37	\$777.00	
<u>Division II - Utility Relocation</u>							
	2" HDPE Water Main	0	LF	\$15.00	63	\$945.00	
	Total Additional Items					\$16,808.98	\$0.00
*****CHANGE IN CONTRACT PRICE DUE TO THIS CHANGE ORDER*****							
Total Decrease							\$22,271.61
Total Increase						\$25,543.13	
Difference Between Column (3) and Column (4)						\$3,271.52	
Net INCREASE in contract price						\$3,271.52	

The sum of \$3271.52 is hereby ADDED to the original contract price of \$298,647.15

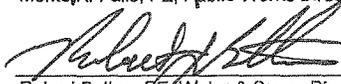
The total adjusted contract price to date thereby is \$301,918.67

The time provided for the completion of the contract is INCREASED 76 calendar days

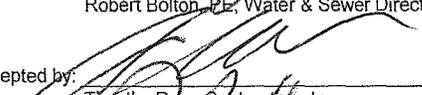
This document shall become an amendment to the contract and all provisions of the contract shall apply thereto.

Recommended by: 
Monte K. Falls, PE, Public Works Director

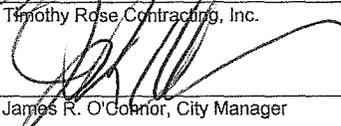
Date: 11/17/15


Robert Bolton, PE, Water & Sewer Director

Date: 11/17/15

Accepted by: 
Timothy Rose Contracting, Inc.

Date: 11.6.15

Approved by: 
James R. O'Gorman, City Manager

Date: 11/18/15

PROJECT NAME: 23rd Street Culvert Replacement at 20th Avenue Lateral "E" Car
CONTRACT CHANGE ORDER NUMBER 1 AND FINAL
Prepared By: DEPARTMENT OF PUBLIC WORKS
ACCOUNT NUMBER: 304.9900.541.612002
PROJECT NUMBER: 2010-15

CONTRACT DATE: 12/02/2014
NOTICE TO PROCEED: 02/02/2015

1. Necessity for changes:
Reconciling as-built quantities; and
Necessary to lower invert of 24" rcp pipe tie in to box culvert due to utility conflict; and
Necessary to construct D curb to prevent erosion of ditch bank

2. Is proposed change an alternate bid? Yes No

3. Will proposed change alter the physical size of the project? Yes No
If "Yes", explain.

4. Effect of this change on the prime contractors: NONE

5. Has consent of surety been obtained? Yes
 Not Necessary

6. Will this change affect expiration or extent of insurance coverage? Yes No
If "Yes", will the policies be extended? Yes No

7. Effect on operation and maintenance costs: NONE

Recommended by: 
Monte K. Falls, Public Works Director

Date: 11/17/15

PROJECT NAME: 23rd Street Culvert Replacement at 20th Avenue Lateral "E" Canal PERIODIC ESTIMATE FOR PARTIAL PAYMENT Prepared By: CITY OF VERO BEACH DEPARTMENT OF PUBLIC WORKS ACCOUNT NUMBER: 304.9900.541.612002 PROJECT NUMBER: 2010-15						CONTRACT DATE: 12/02/2014 NOTICE TO PROCEED: 02/02/2015 TOTAL CONTRACT TIME: 90 DAYS ELAPSED CONTRACT TIME: 168 DAYS % OF CONTRACT TIME: 148.89%			
Name and Address of Contractor: Timothy Rose Contracting, Inc. 1360 SW Old Dixie Hwy, Ste 106, Vero Beach FL						ITEMS:			
PERIODIC ESTIMATE NO. 5						FOR PERIOD 06-Jul-15 Thru 22-Jul-15			
PART 1. COST OF COMPLETED WORK TO DATE UNDER ORIGINAL CONTRACT ONLY: Entries must be limited to work and costs under the original contract only. (Work and cost data under change orders is to be shown in Part 2 of this form.) Columns (1) through (5) - Data shown is the proposal of the original executed contract.						Column (6) is provided by the Consultant or Engineer in agreement with the Contractor. Columns (7) thru (9) are calculated from Column (3) thru (6)			
ITEM NO. (1)	DESCRIPTION OF ITEM (2)	CONTRACT				COMPLETED TO DATE			
		Quantity (3)	Units	Cost Per Unit (4)	Total Cost Unit (5)	Quantity (6)	Total Cost (7)	Uncompleted Work (8)	% Comp. (9)
DIVISION I - CULVERT REPLACEMENT									
1.	A. Maintenance of Traffic/Traffic Control	1	LS	\$ 7,800.00	\$ 7,800.00	1	\$7,800.00	\$0.00	100%
	B. Erosion Control	1	LS	\$ 1,800.00	\$ 1,800.00	1	\$1,800.00	\$0.00	100%
2.	Cleaning & Grubbing	1	LS	\$ 2,800.00	\$ 2,800.00	1	\$2,800.00	\$0.00	100%
3.	Earthwork: (Ditch Bank Grading)	1	LS	\$ 2,900.00	\$ 2,900.00	1	\$2,900.00	\$0.00	100%
4.	Unclassified Excavation (including but not limited to removal of existing pipe, headwalls, concrete, and asphalt as listed on demolition sheet)	1	LS	\$ 19,536.00	\$ 19,536.00	1	\$19,536.00	\$0.00	100%
5.	Drainage Pipe:								
	a. 12" Storm Culvert	40	LF	\$ 35.00	\$ 1,400.00	40	\$1,400.00	\$0.00	100%
	b. 18" Storm Culvert	40	LF	\$ 27.64	\$ 1,105.60	37	\$1,022.68	(\$82.92)	93%
	c. 24" Storm Culvert	135	LF	\$ 43.00	\$ 5,805.00	135	\$5,805.00	\$0.00	100%
	d. 8' X 10' Reinforced Concrete Box culvert	72	LF	\$ 856.00	\$ 61,632.00	72	\$61,632.00	\$0.00	100%
6.	Drainage Structures:								
	a. Construct Flexi-Pave® Inlet retrofits	3	EA	\$ 1,624.00	\$ 4,872.00	3	\$4,872.00	\$0.00	100%
	b. Furnish and Install Flexi-Pave® Inlet	1	EA	\$ 2,276.00	\$ 2,276.00	1	\$2,276.00	\$0.00	100%
	c. Furnish and Install Flexi-Pave® Curb Drain (including but not limited to D Curb, underdrain rock, 8" perforated pipe, waterproof membrane, and filter cloth)	85	LF	\$ 48.00	\$ 4,080.00	81	\$3,888.00	(\$192.00)	95%
	d. Flexi-Pave® (2" Thick)	165	SF	\$ 23.65	\$ 3,902.25	224	\$5,297.60	\$1,395.35	136%
	e. Connection to Box Culvert	2	EA	\$ 650.00	\$ 1,300.00	2	\$1,300.00	\$0.00	100%
	f. Furnish and Install Anchorwall Headwall (Vertica Pro®) for Box Culvert (including but not limited to blocks, caps, concrete lintel, adhesive, filter fabric, stone base, stone backfill, labor, etc.)	2	EA	\$ 9,974.00	\$ 19,948.00	2	\$19,948.00	\$0.00	100%
	g. Flexamat® slope protection	1200	SF	\$ 7.98	\$ 9,576.00	960	\$7,660.80	(\$1,915.20)	80%
7.	Furnish and install 42' X 2' decorative CMU wall (including but not limited to concrete footer, rebar, decorative caps, and end columns)	2	EA	\$ 7,093.00	\$ 14,186.00	2	\$14,186.00	\$0.00	100%
8.	Concrete:							\$0.00	0%
	a. F Curb	365	LF	\$ 21.00	\$ 7,665.00	385	\$8,085.00	\$420.00	105%
	b. Concrete Sidewalk (6" thick)	1575	SF	\$ 4.20	\$ 6,615.00	1719	\$7,219.80	\$604.80	109%
	c. Extra Concrete	10	CY	\$ 250.00	\$ 2,500.00	0	\$0.00	(\$2,500.00)	0%
9.	Roadway:								
	a. Temporary Pavement Restoration (includes compacted stabilized backfill to 98% max dry density and 1" asphalt)	200	SY	\$ 16.00	\$ 3,200.00	40	\$640.00	(\$2,560.00)	20%
	b. Permanent Pavement Replacement (includes replacement of 12" backfill material with approved limerock base compacted to 100% max dry density and 1½" Type S-III or SP9.5 asphalt)	270	SY	\$ 32.00	\$ 8,640.00	348	\$11,136.00	\$2,496.00	129%
	c. 1" Type S-3 or SP9.5 Asphalt Overlay	875	SY	\$ 8.00	\$ 7,000.00	970	\$7,760.00	\$760.00	111%
	d. Additional S-3 Asphalt (for leveling)	20	TN	\$ 120.00	\$ 2,400.00	15	\$1,800.00	(\$600.00)	75%
10.	Additional Fill (borrow for backfilling as required)	500	CY	\$ 15.00	\$ 7,500.00	0	\$0.00	(\$7,500.00)	0%
11.	Furnish and install Argentine Bahia sod	290	SY	\$ 2.25	\$ 652.50	1170	\$2,632.50	\$1,980.00	403%
12.	Furnish and Install ADA Truncated Dome detectable warning surface (yellow)	12	EA	\$ 253.00	\$ 3,036.00	14	\$3,542.00	\$506.00	117%
13.	Traffic Control Markings:								
	a. 12" White Thermoplastic	300	LF	\$ 4.00	\$ 1,200.00	0	\$0.00	(\$1,200.00)	0%
	b. 12" Yellow Thermoplastic	80	LF	\$ 2.00	\$ 160.00	0	\$0.00	(\$160.00)	0%
	c. 6" Yellow Thermoplastic	320	LF	\$ 1.00	\$ 320.00	0	\$0.00	(\$320.00)	0%
14.	Rock Removal	5	CY	\$ 100.00	\$ 500.00	0	\$0.00	(\$500.00)	0%
15.	Dewatering (Including bypass pumping as required)	1	LS	\$ 32,230.00	\$ 32,230.00	1	\$32,230.00	\$0.00	100%
DIVISION II - UTILITY RELOCATION									
16.	Install 2½" PVC Water Main (SDR21 BLUE) (Item to include Trace Wire)	60	LF	\$ 15.00	\$ 900.00	1.5	\$22.50	(\$877.50)	3%

PROJECT NAME: 23rd Street Culvert Replacement at 20th Avenue Lateral "E" Canal PERIODIC ESTIMATE FOR PARTIAL PAYMENT Prepared By: CITY OF VERO BEACH DEPARTMENT OF PUBLIC WORKS ACCOUNT NUMBER: 304.9900.541.612002 PROJECT NUMBER: 2010-15						CONTRACT DATE: 12/02/2014 NOTICE TO PROCEED: 02/02/2015 TOTAL CONTRACT TIME: 90 DAYS ELAPSED CONTRACT TIME: 168 DAYS % OF CONTRACT TIME: 148.89%			
Name and Address of Contractor: Timothy Rose Contracting, Inc. 1360 SW Old Dixie Hwy, Ste 106, Vero Beach FL						ITEMS:			
PERIODIC ESTIMATE NO. 5		FOR PERIOD		06-Jul-15		Thru		22-Jul-15	
PART 1. COST OF COMPLETED WORK TO DATE UNDER ORIGINAL CONTRACT ONLY: Entries must be limited to work and costs under the original contract only. Column (6) is provided by the Consultant or Engineer in agreement with the Contractor. (Work and cost data under change orders is to be shown in Part 2 of this form.) Columns (1) through (5) - Data shown is the proposal of the original executed contract. Columns (7) thru (9) are calculated from Column (3) thru (6)									
ITEM NO. (1)	DESCRIPTION OF ITEM (2)	CONTRACT				COMPLETED TO DATE			
		Quantity (3)	Units	Cost Per Unit (4)	Total Cost Unit (5)	Quantity (6)	Total Cost (7)	Uncompleted Work (8)	% Comp. (9)
17.	Install 6" Ductile Iron Water Main (PR350 Cement Lined)	240	LF	\$ 34.27	\$ 8,224.80	203	\$6,956.81	(\$1,267.99)	85%
18.	Remove Existing 2"-6" Water Main (Item to include all existing valves, fittings, service saddles, etc.)	340	LF	\$ 10.00	\$ 3,400.00	276	\$2,760.00	(\$640.00)	81%
19.	Install Resilient Seat Gate Valves (Item to include installation of retainer glands, bolts, and gaskets for each side of valve for D.I. or PVC pipe):								
a.	2 1/2"	2	EA	\$ 875.00	\$ 1,750.00	2	\$1,750.00	\$0.00	100%
b.	6"	4	EA	\$ 1,358.00	\$ 5,432.00	4	\$5,432.00	\$0.00	100%
20.	Install 6" Line Stop (Item to include Pressure Test)	2	EA	\$ 3,600.00	\$ 7,200.00	2	\$7,200.00	\$0.00	100%
21.	Install 24"X 6" Tapping Sleeve, 6" Valve, and Retainer Gland (Item to include Tap & Pressure Test)	1	EA	\$ 4,234.00	\$ 4,234.00	1	\$4,234.00	\$0.00	100%
22.	Install Fire Hydrant Assembly (Complete Includes 6" Tee, 6" GV, & Fire Hydrant)	1	EA	\$ 4,577.00	\$ 4,577.00	1	\$4,577.00	\$0.00	100%
23.	Install Branch Connection (See detail WS 1.3)	2	EA	\$ 843.00	\$ 1,686.00	2	\$1,686.00	\$0.00	100%
24.	Install Ductile Iron M.J. Fittings (C-153 Compact Fittings) (Cement Lined Interior)(Item to include installation of retainer glands, bolts, and gaskets for all sides of fitting for D.I. & PVC pipe)								
a.	6" 90 Bend	1	EA	\$ 394.00	\$ 394.00	1	\$394.00	\$0.00	100%
b.	6" 45 Bend	8	EA	\$ 374.00	\$ 2,992.00	9	\$3,366.00	\$374.00	113%
c.	6" Tee	1	EA	\$ 608.00	\$ 608.00	1	\$608.00	\$0.00	100%
d.	6" L.B. Sleeve	2	EA	\$ 384.00	\$ 768.00	0	\$0.00	(\$768.00)	0%
25.	Install 6" Megalug Bell Restraints (Series 1100HD) on New Ductile Iron Slip-on Joint Pipe	4	EA	\$ 198.00	\$ 792.00	5	\$990.00	\$198.00	125%
26.	Install 6" Megalug Bell Restraints (Series 1106SD) on Existing Cast Iron Pipe (Verify pipe outside diameter before ordering the retainer glands)	8	EA	\$ 198.00	\$ 1,584.00	2	\$396.00	(\$1,188.00)	25%
27.	Install & Remove Temporary Bacteriological Sample Point & Blowoff Assembly	3	EA	\$ 912.00	\$ 2,736.00	3	\$2,736.00	\$0.00	100%
28.	Install & Remove Temporary Jumper Connection and Sample Point Assembly	1	EA	\$ 2,832.00	\$ 2,832.00	1	\$2,832.00	\$0.00	100%
TOTAL COST OF COLUMNS					\$298,647.15		\$285,109.69	(\$13,537.46)	

PART 2. SCHEDULE OF CONTRACT CHANGE ORDERS			ADDITIONS TO ORIGINAL CONTRACT PRICE		Page 3 of 3 PROJECT NO. 2010-15
List every approved change order issued to date of this request even if no work has been done under one or more such orders.			TOTAL COST ITEMS ADDED BY CHANGE ORDER	COST OF CHANGE ORDER ITEMS COMPLETED TO DATE	DEDUCTIONS FROM CONTRACT PRICE AS SHOWN ON CHANGE ORDERS
CONTRACT CHANGE ORDER		DESCRIPTION OF CHANGE ORDER			
No. (1)	Date (2)	(3)	(4)	(5)	(6)
1	07/22/2015	Reconcile As-built Quantities Additional Items	\$8,734.15 \$16,808.98	\$16,808.98	\$22,271.61
TOTALS			\$25,543.13	\$16,808.98	\$22,271.61

PART 3. ANALYSIS OF CONTRACT AMOUNT TO DATE:

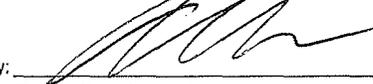
(a). Original contract amount (column 5 from page 1 of this form).....	\$298,647.15
(b). Plus: Additions scheduled in column 4 above.....	\$25,543.13
(c). Less: Deductions scheduled in column 6 above.....	-\$22,271.61
(d). Adjusted contract amount to date.....	\$301,918.67

PART 4. ANALYSIS OF WORK PERFORMED:

(a). Cost of original contract work performed to date (column 7 from page 1 of this form).....	\$285,109.69	
(b). Extra work performed to date (column 5 above).....	\$16,808.98	
(c). Total cost of work performed to date.....	\$301,918.67	
(d). Less: Amount retained in accordance with contract terms (show both percent and dollar amount).....	\$0.00	0.00%
(e). Net amount earned on contract work to date.....	\$301,918.67	
(f). Add: Materials stored at close of this period (attach detailed schedule and paid invoices).....	\$0.00	
(g). Subtotal of (e) and (f).....	\$301,918.67	
(h). Less: amount of previous payments.....	\$246,173.48	
(i). Less Liquidated Damages	\$1,768.00	
(j). BALANCE DUE THIS PAYMENT.....	\$53,977.19	

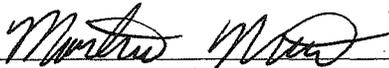
PART 5. CERTIFICATION OF CONTRACTOR:

According to the best of my knowledge and belief, I hereby certify that all items and amounts shown on the face of this PERIODIC ESTIMATE FOR PAYMENT are correct; that all work has been performed and/or material supplied in full accordance with the requirements of the referenced contract, and /or duly authorized deviations, substitutions, alterations, and/or additions, that the foregoing is a true and correct statement of the contract amount up to and including the last day of the period covered by this Periodic Estimate; that no part of the "BALANCE DUE THIS PAYMENT" has been received, and that the undersigned and thier subcontractors have complied with all the labor provisions of said contract

By:  11.16.15
 Timothy Rose Contracting, Inc. Date
 Name: Timothy Rose Title: President

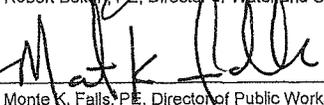
PART 6. PRE-PAYMENT CERTIFICATION BY PROJECT MANAGER:

I have checked this estimate, and it is my opinion that the statement of work performed and / or material supplied is accurate and the contractor is observing the requirements of the contract.

Signed:  11-16-15
 Matthew T. Mitts, PE, Civil Engineer III Date

PART 7. CERTIFICATION OF DIRECTOR

I certify that I have checked and verified the above and foregoing PERIODIC ESTIMATE FOR PARTIAL PAYMENT; that to my best of my knowledge and belief it is a true and correct statement of the work performed and/or material supplied by the contractor, that all work and/or material included in the PERIODIC ESTIMATE has been inspected by my duly authorized representatives or assistants and based on those inspections the work and/or material has been performed and/or supplied in full accordance with the requirements of the referenced contract, and that partial payment claimed and requested by the contractor is correctly computed on the basis of those inspections.

Signed:  11/17/15
 Robert Bolton, PE, Director of Water and Sewer Date
 Signed:  11/17/15
 Monte K. Falls, PE, Director of Public Works Date

