

## PARKVIEW & EDWARD SEWER PROJECT

	Estimate Based on 6/11/18	Actual Cost	Actual Cost Exc water main	Actual Cost Exc water main/soil
<b>Project cost</b>	\$794,307.00	\$958,157.43	\$924,992.71	\$895,716.27
<b>Cost per lot (32)</b>	\$24,163.00	\$29,942.42	\$28,906.02	\$27,991.13
<b>Quarterly Payment</b>	\$373.50	\$436.00	\$420.91	\$407.59
<b>Annual Interest Rate</b>	2.50%	1.50%	1.50%	1.50%
<b>Years</b>	20	20	20	20
<b>Total Principal per lot</b>	\$24,163.00	\$29,942.42	\$28,906.02	\$27,991.13
<b>Total Interest per lot</b>	\$5,717.00	\$4,937.95	\$4,767.03	\$4,616.15
	<b>\$29,880.00</b>	<b>\$34,880.37</b>	<b>\$33,673.05</b>	<b>\$32,607.28</b>

PARKVIEW & EDWARD SEWER PROJECT COST

	Amount
Horsely Witten	\$ 86,149.04
RP Iannucillo	\$ 866,154.65
Miscellaneous	\$ 5,853.74
<b>Total Cost</b>	<b>\$ 958,157.43</b>

**PARKVIEW & EDWARD SEWER PROJECT**  
**MISCELLANEOUS EXPENSES**

Date	Vendor	Description	Amount
7/18/2019	Allard Construction	Dig test hole	1,040.00
11/21/2017	Peter M. Scotti & Assoc	Appraisal	900.00
12/19/2017	Bevilacqua Asphal	10 tons asphalt	636.98
1/17/2018	Horsley	Permit reimbursement	2,000.00
4/24/2018	Valley Breeze	Bid Ad	230.00
5/22/2018	Providence Journal	Bid Ad	658.76
6/19/2018	Material Concrete	4 yds flowable fill for manhole	388.00
			<b><u>5,853.74</u></b>

## Parkview & Edward Sewer Project Update

### June 11, 2018

#### Review of prior meetings and activities

- 2 public meetings May 25, 2016 and March 9, 2017
- Town Council Approval of Project April 17, 2017
- Estimated Project Cost
 

Construction Costs (w/o Street Rehabilitation)	\$631,540
Final Design, Engineering, and Const. Obs.)	<u>\$ 80,000</u>
Total	\$711,540
- Estimated Assessment Per Lot (33) \$21,000
 

Quarterly payment per lot (20 yrs, 2.5%)	\$334.00
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- Notice to Residents From Sewer Commission: May 16, 2017

#### Update

##### **Revised construction cost estimate due to unanticipated conditions and/or added design elements**

- Discovery of additional ledge resulting in design changes and increase in rock excavation
- Additional piping and manhole installation at Scouter's Hall due to conflict with drainage culvert
- Additional costs related to acquisition of sewer easement though private property to Pacheco Park
- Addition of hourly payment bid item for traffic flagger and traffic control

##### **Engineering Costs**

Total Estimated Engineering and Construction Cost	\$83,448
	\$794,307 <i>958,157</i>

##### **Bidding**

- 2 qualified bids received on April 26, 2018:
 

Total Bid	\$689,778
○ R.P Iannuccillo & Sons Construction Company	\$770,939
○ Boyle and Fogarty Construction Company	\$770,939
- Low bidder "add alternate": \$57,552

*32 lots*

*21 existing  
5 exterior  
(Phil's bid)*

##### **Recent developments associated with new plat extension**

- Only 5 lots proposed instead of 6 lots accounting for one less lot for purposes of assessment fee calculation
- Currently pending before the Planning Board

*✓ if development  
doesn't go  
there, only  
21 lots  
KSS construct  
lots divided  
by 21  
would  
about  
20 more  
per lot*

##### **Revised Estimated Assessment**

- Per Lot (32) \$24,163 \*
- Quarterly payment per lot (20 yrs, 2.5%) \$373.50 \*

*↓ includes  
interest*

PARKVIEW DRIVE SEWER EXTENSION  
TOWN OF NORTH SMITHFIELD, RI  
December, 2018

CHANGE ORDER

No. 4

DATE OF ISSUANCE: December 11, 2018 EFFECTIVE DATE: January 7, 2019

OWNER Town of North Smithfield

CONTRACTOR R.P. Iannuccillo and Sons Construction Co

Contract: 180602

Project: Parkview Dr. and Edward Ave. Sewer Extension

OWNER's Contract No. \_\_\_\_\_

ENGINEER's Contract No. 17087

ENGINEER Horsley Witten Group, Inc.

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

**Description:**

1. Add crushed stone to 6" above sewer pipe. [\$4,790.00]
2. Haul in and place gravel borrow required to replace unsuitable material. [\$29,276.44] •
3. Increase/decrease quantities for various unit price items of completed work. [77,288.83]

**Reason for Change Order: The main purposes of this change order are to:**

1.) Add crushed stone above and along the side of all sewer lines to provide better support for the pipe. This change affected 1,960 linear feet of sewer pipe.

2.) Supply common borrow or recycled processed gravel from off-site sources to address a shortfall in suitable backfill. A significant amount of excavated material could not be used as backfill because it contained large boulders and rock fragments which were deemed unsuitable according to specification. Most of this material was broken rock or large fragments of stone that were too large to safely use as backfill. Most of the replacement backfill was supplied from a nearby material processing plant that the Town uses for other projects and at a cost similar to that approved by the Town.

3.) Increase payment due to the Contractor for quantities used in excess of that estimated in the bid, and decrease the cost (credit) to the Town when less quantity is used. The following items and amounts were affected:

	Description	Unit Measure	Original Quantity	Final Quantity	Change in item cost* \$
a.	6 ft temporary fence	Linear feet	470	390	(1,950.00)
b.	Rock excavation	Cubic yard	115	574.4	103,371.75
c.	8" sewer pipe - installed	Linear feet	3200	3103	(9,021.00)
d.	6" sewer pipe - installed	Linear feet	550	506	(4,576.00)
e.	Furnish gravel road	Cubic yard	90	0	(4,050.00)
f.	Furnish erosion control sock	Linear feet	910	770	(840.00)
g.	Provide flagmen to direct traffic	Hours	240	128	(6,720.00)
h.	Site clearing	Square yard	333	444.4	780.08
i.	Remove and dispose small tree	Each	2	10	3,600.00
j.	Test sewer lines	Linear feet	3200	3126	(296.00)
k.	Test Manholes	Each	15	13	(1,760.00)
l.	R&D unsuitable material	Cubic yard	50	0	(1,250.00)
<b>TOTAL</b>					<b>77,288.83</b>

\* Items enclosed in parenthesis are credits to the Town R

PARKVIEW DRIVE SEWER EXTENSION  
TOWN OF NORTH SMITHFIELD, RI  
December, 2018

Attachments: (List documents supporting change):

- E-mail from the contractor documenting when the directive was given and the added cost quote per linear
- Summary of daily deliveries of common borrow, recycled processed gravel, and process blend, including their weights and cost rates for the period 9/10/18 to 11/29/18
- Sheet 2 of Payment Requisition No.6 with actual quantities used and, along the right margin, cost (increase or decrease) for items deemed completed as enumerated above

Change In Contract Price:

\*Please provide a breakdown of estimated cost change associated with each item: Items 1 through 3

1)	\$4,790.00
2)	\$29,276.44
3)	\$77,288.83
Total	\$111,355.27

CHANGE IN CONTRACT PRICE:*		CHANGE IN CONTRACT TIMES:	
Original Contract Price: \$632,226.00		Original Contract Times: Substantial Completion: Dec 22, 2018 Ready for final payment: January 21, 2019 (days or dates)	
Net Increase (Decrease) from previous Change Orders None No. <u>1</u> to <u>3</u> :  \$40,925.77		Net change from previous Change Orders No. 1 to No. 3: Substantial Completion: No Change Ready for final payment: May 15, 2019	
Contract Price prior to this Change Order:  \$673,151.77		Contract Times prior to this Change Order: Substantial Completion: No Change Ready for final payment: May 15, 2019	
Net increase (decrease) of this Change Order:  \$111,355.27		Net increase (decrease) this Change Order: Substantial Completion: 0 days Ready for final payment: 114 days	
Contract Price with all approved Change Orders:  \$784,507.04		Contract Times with all approved Change Orders: Substantial Completion: Dec 22, 2018 Ready for final payment: May 15, 2019	

RECOMMENDED:  
By: Ronald J. Doherty  
ENGINEER  
(Authorized Signature)  
Date: 12/13/18

APPROVED:  
By: \_\_\_\_\_  
OWNER  
(Authorized Signature)  
Date: \_\_\_\_\_

ACCEPTED:  
By: George W. Trish  
CONTRACTOR  
(Authorized Signature)  
Date: 12/13/18

CHANGE ORDER  
06003-2

**From:** Gary T [gtroilo@rpiannuccillo.com]  
**Sent:** Tuesday, December 11, 2018 4:22 PM  
**To:** Russ Chateauneuf  
**Subject:** Parkview - 6" Crushed Stone over Pipe

Hi Russ,

The linear footage of 8" sewer main where we installed 6" of crushed stone over the pipe was 1,916LF. We started this the Tuesday after Labor Day.

Therefore, the COR amount would be 1,916LF @ \$2.50/LF = \$4,790.00

Regards,

**Gary W. Troilo**

*Project Manager*



**RP Iannuccillo & Sons Construction Company, Inc.**

70 Calverly Street

Providence, RI 02908

Phone: 401-351-8877 ext 204

Fax: 401-351-5884

Cell: 401-639-1854

DATE:  
PROJECT:  
PERIOD TO:  
PROJECT NO.

R.P. IANNUCCILLO & SONS CONSTRUCTION COMPANY  
12/11/2018  
PARKVIEW DRIVE SEWER EXTENSION  
11/29/2018  
180602

DATE	DESCRIPTION	QTY	UNIT	UNIT PRICE	AMOUNT
9/10/2018	PROCESS BLEND - NICO	28.93	TON	\$ 5.00	\$ 144.65
9/11/2018	PROCESS BLEND - NICO	33.46	TON	\$ 5.00	\$ 167.30
9/12/2018	PROCESS BLEND - NICO	31.50	TON	\$ 5.00	\$ 157.50
9/11/2018	COMMON BORROW - MATERIAL	26.00	CY	\$ 12.00	\$ 312.00
9/11/2018	COMMON BORROW - MATERIAL	26.00	CY	\$ 12.00	\$ 312.00
9/12/2018	COMMON BORROW - MATERIAL	26.00	CY	\$ 12.00	\$ 312.00
9/12/2018	COMMON BORROW - MATERIAL	26.00	CY	\$ 12.00	\$ 312.00
9/12/2018	COMMON BORROW - MATERIAL	26.00	CY	\$ 12.00	\$ 312.00
9/13/2018	RECYCLED PROCESS GRAVEL - MATERIAL	30.25	TON	\$ 12.00	\$ 363.00
9/17/2018	RECYCLED PROCESS GRAVEL - MATERIAL	32.15	TON	\$ 12.00	\$ 385.80
9/17/2018	RECYCLED PROCESS GRAVEL - MATERIAL	32.70	TON	\$ 12.00	\$ 392.40
9/19/2018	RECYCLED PROCESS GRAVEL - MATERIAL	31.00	TON	\$ 12.00	\$ 372.00
9/19/2018	RECYCLED PROCESS GRAVEL - MATERIAL	30.80	TON	\$ 12.00	\$ 369.60
9/20/2018	RECYCLED PROCESS GRAVEL - MATERIAL	32.85	TON	\$ 12.00	\$ 369.60
9/21/2018	RECYCLED PROCESS GRAVEL - MATERIAL	30.80	TON	\$ 12.00	\$ 394.20
9/25/2018	RECYCLED PROCESS GRAVEL - MATERIAL	31.30	TON	\$ 12.00	\$ 369.60
9/26/2018	RECYCLED PROCESS GRAVEL - MATERIAL	30.75	TON	\$ 12.00	\$ 369.00
9/26/2018	RECYCLED PROCESS GRAVEL - MATERIAL	33.80	TON	\$ 12.00	\$ 405.60
9/26/2018	RECYCLED PROCESS GRAVEL - MATERIAL	29.54	TON	\$ 12.00	\$ 354.48
9/27/2018	RECYCLED PROCESS GRAVEL - MATERIAL	34.25	TON	\$ 12.00	\$ 411.00
9/27/2018	RECYCLED PROCESS GRAVEL - MATERIAL	33.80	TON	\$ 12.00	\$ 405.60
10/1/2018	RECYCLED PROCESS GRAVEL - MATERIAL	29.75	TON	\$ 12.00	\$ 357.00
10/1/2018	RECYCLED PROCESS GRAVEL - MATERIAL	30.75	TON	\$ 12.00	\$ 369.00
10/1/2018	RECYCLED PROCESS GRAVEL - MATERIAL	30.50	TON	\$ 12.00	\$ 366.00
10/1/2018	RECYCLED PROCESS GRAVEL - MATERIAL	30.60	TON	\$ 12.00	\$ 367.20
10/2/2018	RECYCLED PROCESS GRAVEL - MATERIAL	30.33	TON	\$ 12.00	\$ 363.00
10/2/2018	RECYCLED PROCESS GRAVEL - MATERIAL	32.85	TON	\$ 12.00	\$ 363.96
10/2/2018	RECYCLED PROCESS GRAVEL - MATERIAL	22.80	TON	\$ 12.00	\$ 394.20
10/2/2018	RECYCLED PROCESS GRAVEL - MATERIAL	31.14	TON	\$ 12.00	\$ 273.60
10/4/2018	RECYCLED PROCESS GRAVEL - MATERIAL	30.88	TON	\$ 12.00	\$ 373.68
10/11/2018	RECYCLED PROCESS GRAVEL - MATERIAL	32.40	TON	\$ 12.00	\$ 370.56
10/12/2018	RECYCLED PROCESS GRAVEL - MATERIAL	30.87	TON	\$ 12.00	\$ 388.80
10/18/2018	RECYCLED PROCESS GRAVEL - MATERIAL	31.22	TON	\$ 12.00	\$ 370.44
10/18/2018	RECYCLED PROCESS GRAVEL - MATERIAL	23.60	TON	\$ 9.00	\$ 374.64
10/22/2018	RECYCLED PROCESS GRAVEL - MATERIAL	24.20	TON	\$ 9.00	\$ 212.40
10/22/2018	RECYCLED PROCESS GRAVEL - MATERIAL	35.62	TON	\$ 12.00	\$ 217.80
10/23/2018	RECYCLED PROCESS GRAVEL - MATERIAL	33.65	TON	\$ 12.00	\$ 427.44
10/29/2018	RECYCLED PROCESS GRAVEL - MATERIAL	32.54	TON	\$ 12.00	\$ 403.80
10/29/2018	RECYCLED PROCESS GRAVEL - MATERIAL	32.22	TON	\$ 12.00	\$ 390.48
10/29/2018	RECYCLED PROCESS GRAVEL - MATERIAL	23.85	TON	\$ 12.00	\$ 386.64
10/29/2018	RECYCLED PROCESS GRAVEL - MATERIAL	23.92	TON	\$ 12.00	\$ 286.20
					\$ 287.04

10/29/2018	RECYCLED PROCESS GRAVEL - MATERIAL	23.25	TON	\$	12.00	\$	279.00
10/29/2018	RECYCLED PROCESS GRAVEL - MATERIAL	23.67	TON	\$	12.00	\$	284.04
10/29/2018	RECYCLED PROCESS GRAVEL - MATERIAL	35.77	TON	\$	12.00	\$	429.24
10/31/2018	RECYCLED PROCESS GRAVEL - MATERIAL	23.00	TON	\$	12.00	\$	276.00
10/31/2018	RECYCLED PROCESS GRAVEL - MATERIAL	22.35	TON	\$	12.00	\$	268.20
10/31/2018	RECYCLED PROCESS GRAVEL - MATERIAL	22.50	TON	\$	12.00	\$	270.00
10/31/2018	RECYCLED PROCESS GRAVEL - MATERIAL	22.80	TON	\$	12.00	\$	273.60
10/31/2018	RECYCLED PROCESS GRAVEL - MATERIAL	23.05	TON	\$	12.00	\$	276.60
10/31/2018	RECYCLED PROCESS GRAVEL - MATERIAL	22.10	TON	\$	12.00	\$	265.20
11/1/2018	RECYCLED PROCESS GRAVEL - MATERIAL	35.30	TON	\$	12.00	\$	423.60
11/1/2018	RECYCLED PROCESS GRAVEL - MATERIAL	34.73	TON	\$	12.00	\$	416.76
11/5/2018	RECYCLED PROCESS GRAVEL - MATERIAL	22.97	TON	\$	12.00	\$	275.64
11/5/2018	RECYCLED PROCESS GRAVEL - MATERIAL	22.81	TON	\$	12.00	\$	273.72
11/6/2018	RECYCLED PROCESS GRAVEL - MATERIAL	23.24	TON	\$	12.00	\$	278.88
11/6/2018	RECYCLED PROCESS GRAVEL - MATERIAL	22.57	TON	\$	12.00	\$	270.84
11/6/2018	RECYCLED PROCESS GRAVEL - MATERIAL	23.23	TON	\$	12.00	\$	278.76
11/6/2018	RECYCLED PROCESS GRAVEL - MATERIAL	24.07	TON	\$	12.00	\$	288.84
11/7/2018	RECYCLED PROCESS GRAVEL - MATERIAL	21.28	TON	\$	12.00	\$	255.36
11/7/2018	RECYCLED PROCESS GRAVEL - MATERIAL	21.68	TON	\$	12.00	\$	260.16
11/7/2018	RECYCLED PROCESS GRAVEL - MATERIAL	32.78	TON	\$	12.00	\$	393.36
11/7/2018	RECYCLED PROCESS GRAVEL - MATERIAL	33.83	TON	\$	12.00	\$	405.96
11/8/2018	RECYCLED PROCESS GRAVEL - MATERIAL	24.10	TON	\$	12.00	\$	289.20
11/8/2018	RECYCLED PROCESS GRAVEL - MATERIAL	22.95	TON	\$	12.00	\$	275.40
11/8/2018	RECYCLED PROCESS GRAVEL - MATERIAL	23.62	TON	\$	12.00	\$	283.44
11/8/2018	RECYCLED PROCESS GRAVEL - MATERIAL	23.35	TON	\$	12.00	\$	280.20
11/9/2018	RECYCLED PROCESS GRAVEL - MATERIAL	23.51	TON	\$	12.00	\$	282.12
11/9/2018	RECYCLED PROCESS GRAVEL - MATERIAL	22.72	TON	\$	12.00	\$	272.64
11/14/2018	RECYCLED PROCESS GRAVEL - MATERIAL	23.87	TON	\$	12.00	\$	286.44
11/14/2018	RECYCLED PROCESS GRAVEL - MATERIAL	23.49	TON	\$	12.00	\$	281.88
11/15/2018	RECYCLED PROCESS GRAVEL - MATERIAL	23.60	TON	\$	12.00	\$	283.20
11/21/2018	RECYCLED PROCESS GRAVEL - MATERIAL	23.25	TON	\$	12.00	\$	279.00
11/27/2018	RECYCLED PROCESS GRAVEL - MATERIAL	23.28	TON	\$	12.00	\$	279.36
11/27/2018	RECYCLED PROCESS GRAVEL - MATERIAL	23.53	TON	\$	12.00	\$	282.36
11/28/2018	RECYCLED PROCESS GRAVEL - MATERIAL	24.56	TON	\$	12.00	\$	294.72
11/29/2018	RECYCLED PROCESS GRAVEL - MATERIAL	23.02	TON	\$	12.00	\$	276.24
					Sub-Total	\$	25,457.77
					15% O&P	\$	3,818.67
					TOTAL	\$	29,276.44

## CONTINUATION SHEET

AIA Document G702, APPLICATION AND CERTIFICATE FOR PAYMENT, containing  
Contractor's signed Certificate is attached.

In italics below, amounts are stated to the nearest dollar.

Use Column 1 on Contracts where variable retinage for line items may apply.

## AIA DOCUMENT G703

(Instructions on reverse side)

PAGE 2 OF 3 PAGES

APPLICATION NUMBER: 5

APPLICATION DATE: 12/11/2018

PERIOD TO: 12/27/2018

PROJECT NO: 180602

A ITEM NO.	B DESCRIPTION OF WORK	C QTY	D UNIT	E PRICE	F QUANTITY THIS PERIOD	G WORK COMPLETED (C+E)	H TOTAL COMPLETED TO DATE (F+G)	I RETINAGE (5%)
1	<b>MOBILIZATION/DEMobilIZATION</b>							
1a	Equipment Mobilization	1	LS	\$ 35,000.00	15,000.00	0.00	15,000.00	15,000.00
1b	Equipment Demobilization	1	LS	\$ 15,000.00	5,000.00	5,000.00	0.00	5,000.00
1c	Construction Facilities	4	MO	\$ 3,750.00	15,000.00	0.00	15,000.00	15,000.00
2	<b>6 FT. Temporary Fence</b>	470	LF	\$ 5.00	2,350.00	0.00	400.00	20.00
3	<b>Rock Excavation and Disposal</b>	115	CY	\$ 225.00	25,875.00	26.80	6,030.00	123,216.75
4	<b>Furnish and Install 8" SDR 35 Pipe including excavation, backfill, and stone bedding</b>	3200	LF	\$ 93.00	297,600.00	98.00	9,114.00	279,465.00
5	<b>Furnish and Install 6" SDR 35 building sewer including excavation, backfill, and stone bedding</b>	550	LF	\$ 104.00	57,200.00	161.00	16,744.00	35,880.00
6	<b>Furnish and Install anti-seep collars</b>	4	EA	\$ 300.00	1,200.00	0.00	1,200.00	52,624.00
7	<b>Furnish and Install anti-seep collars</b>	14	EA	\$ 6,000.00				2,631.20
7a	<b>Furnish Precast Manholes Only</b>	14	EA	\$ 1,400.00	19,600.00	0.00	19,600.00	19,600.00
7b	<b>Install Precast Manholes</b>	14	EA	\$ 4,600.00	64,400.00	1.00	4,600.00	59,800.00
8	<b>Furnish and Install one dog-house manhole</b>	1	EA	\$ 6,000.00	6,000.00	0.00	6,000.00	6,000.00
9	<b>Sawcut existing asphalt pavement</b>	5200	LF	\$ 1.50	7,800.00	0.00	5,011.50	5,011.50
10	<b>Furnish and Install pavement patch and driveway</b>	24000	SF	\$ 2.00	48,000.00	0.00	899.00	250.58
11	<b>Furnish and Install gravel on existing driveway at Pacheco Park</b>	90	CY	\$ 45.00	4,050.00	0.00	0.00	44.95
12	<b>Furnish and Install loam and seed</b>	870	SF	\$ 3.00	2,610.00	0.00	2,610.00	1,045.00
13	<b>Remove, furnish, and install wooden fence</b>	100	LF	\$ 35.00	3,500.00	0.00	0.00	130.50
14	<b>Furnish and Install erosion control silt sock</b>	910	LF	\$ 6.00	5,460.00	0.00	4,620.00	0.00
15	<b>Provide flag men to direct traffic</b>	240	HRS	\$ 60.00	14,400.00	0.00	7,680.00	4,620.00
16	<b>Provide manpower and equipment for site clearing</b>	333	SY	\$ 7.00	2,331.00	0.00	3,111.08	231.00
17	<b>Remove and dispose of tree and stump (4" to 24") for easement area</b>	2	EA	\$ 450.00	900.00	0.00	4,500.00	384.00
18	<b>Remove and dispose of tree and stump (24" or greater) for easement area</b>	4	EA	\$ 800.00	3,200.00	0.00	3,200.00	155.55
19	<b>MISC INCLUDING SEWER AND HH TESTING</b>	1	LS	\$ 26,000.00				160.00
19a	<b>Sewer Line Testing</b>	3200	LF	\$ 4.00	12,800.00	2,126.00	8,504.00	4,000.00
19b	<b>MH Testing</b>	15	EA	\$ 880.00	13,200.00	5.00	4,400.00	7,040.00
20	<b>Install one service connection, abandon one septic system, and loam and seed</b>	1	LS	\$ 3,500.00	3,500.00	0.20	700.00	2,800.00
21	<b>R&amp;D Unsatisfactory Materials</b>	50	CY	\$ 25.00	1,250.00	0.00	0.00	3,500.00
10A	<b>F&amp;I Pavement Patch at 2"</b>	3520.9	SF	\$ 1.61	5,668.65	6,914.00	11,131.54	29,181.09
<b>TOTAL</b>					637,894.65		66,223.54	630,214.42
								656,437.96
								34,821.90
								77,288.83

AIA DOCUMENT G702 APPLICATION AND CERTIFICATE FOR PAYMENT (Rev 10/10/2013)

THE AMERICAN INSTITUTE OF ARCHITECTS, 1775 NEW YORK AVENUE, NW, WASHINGTON, D.C. 20006

PARKVIEW DRIVE SEWER EXTENSION  
TOWN OF NORTH SMITHFIELD, RI  
November, 2018

CHANGE ORDER

No. 03

DATE OF ISSUANCE: November 26, 2018 EFFECTIVE DATE: December 3, 2018

OWNER Town of North Smithfield

CONTRACTOR R.P. Iannuccillo and Sons Construction Co

Contract: 180602

Project: Parkview Dr. and Edward Ave. Sewer Extension

OWNER's Contract No. \_\_\_\_\_

ENGINEER's Contract No. 17087

ENGINEER Horsley Witten Group, Inc.

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

Description:

1. Relocate existing water line on Parkview Dr. in conflict with gravity sewer line. [\$33,164.72]
2. Screen excavated material to make-up for insufficient backfill. [\$5,613.91]
3. Revise unit price in Change Order No. 2 to reduce cost of wrapping pipe in wet areas. [\$3,530.00 credit; \$6.50 per linear foot (lf) instead of \$11.50 per lf over 706 feet.]

Reason for Change Order:

The main purposes of this change order are to:

1) Enable payment to the Contractor (RPI) for relocating a portion of a water main that conflicted with the proposed sewer line. The sewer system being installed is a gravity system where the location and depth of the sewer cannot vary much once installation is started. For the most part, water main crossings are minimized where possible as part of the design. Where not possible, conflicts may develop where the water line and the sewer are at the same depth. No plans were available that showed the exact depth of the water line at this crossing which is located just before the proposed sewer enters the off-street easement to Pacheco Park. The engineers assumed a conservative depth to the water line of 5 feet. The actual depth was 2 feet lower, necessitating relocation of the water line above the sewer. This involved 3 days of crew and equipment time, additional materials, temporary shutdown of the water supply to 40 plus homes, and the services of a contractor specializing in asbestos pipe removal and disposal. A water main valve was installed at the same time to limit the number of homes affected by a water main shutdown should it become necessary in the future. The payment is based on the time and materials used by the contractor to effect the relocation.

2) A significant amount of excavated material could not be used as backfill because it was deemed unsuitable. Most of this material was broken rock or large fragments of stone that were too large to safely use as backfill. The Contractor was requested to attempt to screen-out the rock and recover material that met the contract specifications for backfill. This was tried but little usable backfill could be produced and the process was discontinued after a short period. Common borrow or recycled processed gravel was supplied from off-site sources to address the shortfall in suitable backfill.

3. A change order was approved to wrap the entire stone bedding in a filter fabric in areas where sewer pipe was installed at depths that were into groundwater. The length of pipe in groundwater was 706 lf. The cost of this work was reviewed with the RPI and it was determined that the work was accomplished with less effort than previously estimated. Accordingly, a credit \$3,530 is due to the Town.

Attachments: (List documents supporting change):

- Invoice from RPI for Time and Materials incurred in the relocation of the water main.
- Invoice from RPI for Time and Materials incurred in screening excavated material 9/7/18 to 9/26/18.
- E-mail from RPI dated 10/30/18 listing the price change agreed upon for filter fabric wrap.

PARKVIEW DRIVE SEWER EXTENSION  
TOWN OF NORTH SMITHFIELD, RI  
November, 2018

**Change in Contract Price:**

\*Please provide a breakdown of estimated cost change associated with each item: Items 1 through 3

1)	\$33,164.72
2)	\$5,613.91
3)	(\$3,630.00)
Total	\$35,248.63

CHANGE IN CONTRACT PRICE:*	
Original Contract Price:	\$632,226.00
Net Increase (Decrease) from previous Change Orders None	No. <u>1</u> to <u>2</u> :
\$5,677.14	
Contract Price prior to this Change Order:	\$637,903.14
Net Increase (decrease) of this Change Order:	\$35,248.63
Contract Price with all approved Change Orders:	\$673,151.77

CHANGE IN CONTRACT TIMES:	
Original Contract Times:	Substantial Completion: Dec 22, 2018
Ready for final payment:	January 21, 2019 (days or dates)
Net change from previous Change Orders No. 1 to No. 2:	Substantial Completion: _____
No Change	
Ready for final payment:	May 15, 2019
Contract Times prior to this Change Order:	Substantial Completion: _____
No Change	
Ready for final payment:	May 15, 2019
Net Increase (decrease) this Change Order:	Substantial Completion: _____
0 days	
Ready for final payment:	114 days
Contract Times with all approved Change Orders:	Substantial Completion: Dec 22, 2018
Ready for final payment:	May 15, 2019

RECOMMENDED:

By: John J. See

ENGINEER  
(Authorized Signature)

Date: 11/28/18

APPROVED:

By: \_\_\_\_\_

OWNER  
(Authorized Signature)

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

ACCEPTED:

By: Gary W. Thibodeau

CONTRACTOR  
(Authorized Signature)

Date: 11/27/18

R.P. Iannuccillo & Sons  
Construction Company

70 Calverly Street  
Providence, RI 02908  
Bus. (401) 351-8877 Fax (401) 351-5884

**Invoice To:** Town of North Smithfield

**Project:** Parkview Sewer  
**Location:** North Smithfield, RI  
**Job No.:** 180602  
**Dates:** 8/20/18 - 8/22/18  
**COR Work Description** Relocate existing water line on Parkview Drive in conflict with proposed sewer line.

Labor Cost	\$ 14,804.59
15% Overhead & Profit on Equipment	\$ 2,220.69
Total Cost for Labor	<u>\$ 17,025.27</u>
Material	\$ 3,909.09
15% Overhead & Profit on Material	\$ 586.36
Total Cost for Material	<u>\$ 4,495.45</u>
Equipment	\$ 8,755.70
15% Overhead & Profit on Equipment	\$ 1,313.36
Total Cost for Equipment	<u>\$ 10,069.00</u>
Sub-Contractor	\$ 1,500.00
5% Overhead and Profit	\$ 75.00
Total Sub-Contractor	<u>\$ 1,575.00</u>
<b>TOTAL AMOUNT</b>	<b>\$ 33,164.72</b>

R.P. Iannuccillo & Sons  
Construction Company  
70 Calverly Street  
Providence, RI 02908  
Bus. (401) 351-8877 Fax (401) 351-5884

Invoice To: Town of North Smithfield

Project: Parkview Sewer  
Location: North Smithfield, RI  
Job No.: 180602  
Dates: 9/7/18 to 9/26/18  
COR Work Description Screen excavated material to make suitable

Labor Cost	\$ 1,759.60
15% Overhead & Profit on Equipment	\$ 263.94
Total Cost for Labor	<u>\$ 2,023.54</u>
Material	\$ -
15% Overhead & Profit on Material	\$ -
Total Cost for Material	<u>\$ -</u>
Equipment	\$ 3,122.06
15% Overhead & Profit on Equipment	\$ 468.31
Total Cost for Equipment	<u>\$ 3,590.37</u>
Sub-Contractor	\$ -
10% Overhead and Profit	\$ -
Total Sub-Contractor	<u>\$ -</u>
<b>TOTAL AMOUNT</b>	<b>\$ 5,613.91</b>

**From:** Gary T [gtroilo@rpiannuccillo.com]  
**Sent:** Tuesday, October 30, 2018 8:21 AM  
**To:** Russ Chateauneuf  
**Subject:** Parkview Sewer - Filter Fabric Wrap

Hi Russ,

I reviewed the submitted change order unit price of \$11.50/LF to wrap the crushed stone in filter fabric in the wet areas. Now that the work is completed, the actual time it took to complete this task was about half of what I originally anticipated. Therefore, I can revise the unit price to \$6.50/LF.

Regards,

**Gary W. Troilo**

*Project Manager*



**RP Iannuccillo & Sons Construction Company, Inc.**

70 Calverly Street  
Providence, RI 02908  
Phone: 401-351-8877 ext 204  
Fax: 401-351-5884  
Cell: 401-639-1854

**Meeting Date: June 11, 2018**

**7:03 P.M.**

Mr. Dorry- The special meeting of the Town of North Smithfield Sewer Commission (SC) was called to order on Monday, June 11, 2018 at 7:03 P.M. at Primrose Fire Station.

**1) ROLL CALL**

Mr. Dorry  
Mr. DeVivo  
Mr. Brown  
Mr. Houde

Maura Beck Sewer Coordinator and TA Gary Ezovski were also present.  
Mr. Devereaux and Mr. Carpenter were not present.

**2) PARKVIEW/EDWARDS AVE SEWER PROJECT**

Mr. Chateneuf provided a breakdown of the new costs and an update of what Horsley and Witten has been doing the past year in regards to this sewer project. They have been working on the design and bids for the project. Back in 2017 they gave an estimate cost for the project. The half of last year was spent in doing the final design for the project. There were a number of changes that occurred during the final design. In the handout Mr. Chateneuf provided it indicates the new assessments prices and interest rates. This sheet will also be available at the Town Hall Annex for viewing. The assessment back in 2017 was \$21,000 and the quarterly payment was \$334.00. Following that Maura issued a letter informing the residents that the TC had approved the project and we were moving forward to design.

Mr. Chateneuf highlighted some of the major changes that were made during the final design stage. Ledge was discovered at the corner where Edwards Ave. turns going from North to West has ledge which needs to be removed. Rock excavation was anticipated; it's being estimated twice the amount of rock removal. They also learned that they were trying to tie into a man hole at Scouter's Hall, and the man hole is not deep enough to tie in. This will require to go under the drain and run a pipe line along that sewer line then join the sewer line further down which is additional cost. There was also additional cost to attain the easement through private property at Parkview. There were also some concerns with Flaggers and traffic control through the course of the project. The total estimated price for the whole project is now \$794,000.00 vs. the estimate of \$711,000.00. The town still plans to do the street improvement project. The facilities plan calls for sewers in that plat.

The town went out to bid early in the year. Six different companies attended the mandatory pre bid meeting. Only two submitted bids, and one company showed up 5 minutes late and by the terms of the contract the bid could not be accepted. The two bidders are RP Iannuccillo & Sons Construction Company at \$689,778 and Boyle and Fogarty Construction Company at \$770,939.00. RP Iannuccillo bid \$689,778 for the entire project including the extension at the end of Edwards Ave. The hope is for that plat to get approved soon so the sewers can go in and it can get assessed. The proposed lots for the extension at Edwards are five lots instead of six

lots. This is under the planning board for review. The revised estimate is \$24,163 per lot which is \$373.50 quarterly. The next step is for the SC to make a recommendation to the TC and for the TC to act on that recommendation.

Mr. Russ Taylor from 21 Parkview Drive asked if the final total provided includes the final paving and if it's only covering sewer work.

Mr. Chateneauf explained that the final paving is coming out of other funds. This just includes a patch until they are ready to do reclamation. Mr. Chateneauf explained it is only for sewers and no gas will be added. The existing water line will be repaired with no plans to extend it at this point.

Mr. Jim Fontaine asked how they missed a lot of ledge.

Mr. Chateneauf explained they were aware of the ledge just not the amount of ledge, and also the fact that they couldn't raise the sewer to try to get above the ledge, because they had to extend the line to the end of Edward and beyond.

Al Bowers from 11 Edwards asked when the project would be done and if people could tie in by winter time of this year?

Mr. Chateneauf explained the deadline for completion is about November 1<sup>st</sup>. There is a plan to redo the road but that will probably be done in the spring.

Barbara Bowers from 11 Edwards Ave asked if the gentleman with the 5 lots doesn't get approval from the planning board how is that going to affect the quote that was put in? Mr. Chateneauf explained this is based with 32 lots and if the plat doesn't go forward it can be taken off the table and takes the lots out and do a new assessment. It would be about \$20.00 more than the price there.

Mike Kelly from 20 Parkview Drive asked in regards to the water the developer of the plat extension is going to bring the water to those five new homes.

Mr. Chateneauf explained that the developer is responsible for the cost of bringing the water line to those 5 homes so it is not part of the cost.

Russ Taylor from 21 Parkview Drive asked who made the decision not to extend the water line to the remainder of the homes on Parkview Drive.

Mr. Chateneauf explained that he is not in the position to answer that and referred the matter to Mr. Russ Carpenter Water and Sewer Superintendent.

Jake Atteridge from 8 Edward Ave asked what the SC is considering in recommending to the TC. Mr. Chateneauf explained that they are considering the neighbors opinions and that some changes did happen since the last time they met with the residents and wanted to make them aware of the changes and learn more about the project.

Jim Fontaine asked what the annual sewer charge is.

Maura stated is \$491.36 is the current rate per one family home.

Barbara Bowers asked the contractor that is putting in the sewers can they also be used to connect to the sewers from the homes?

Mr. Chateneuf explained that the connecting lateral can connect at another point and the contractor the homeowner chooses will recommend where the best place is to connect and provide an estimate. The contractor will also have the opportunity to discuss with the RP Iannuccillo to see where the ledge is and a better way to connect.

Al Bowers asked what kind of contractor he should be looking for to do the connection.

Mr. Houde replied it has to be someone with a drain layer license. Maura is able to provide a list of contractors that do work in the town.

Marilyn Rivard 3 Parkview Drive asked if the resident picks a different connection point this forces the resident to get a contractor right from the beginning to tell the resident to connect either at the point identified or a different location.

Mr. Chateneuf explained that based on the ledge test very few lots are affected. He believes its only 3 lots. He recommends that those lots get a contractor to see where the points are to connect and to see if the town can adjust their facilities. The ledge is indicated on the drawings.

Al Bowers asked if there is an average cost for the connection.

Mr. Chateneuf explained its anywhere between \$3,000.00 to \$4,000.00

Charles Lefebvre 9 Edward asked if they anticipate any blasting.

Mr. Chateneuf replied it would be mechanical excavation.

Maura asked when are the residents able to have an input on where their laterals could be.

Mr. Chateneuf stated once the project is awarded.

**MOTION** by Mr. DeVivo, seconded by Mr. Brown and voted unanimously on a 4-0 aye vote to recommend to the TC to award the contract to RP Iannuccillo and Sons Construction.

3) **OPEN FORUM- Pursuant RIGL Sec. 42-46-6**

No Discussions

**ADJOURN**

**MOTION** by Mr. Dorry, seconded by Mr. DeVivo, and voted unanimously on a 4-0 aye vote to adjourn the meeting at 7:41 P.M.

The Meeting was adjourned at 7:41 P.M.

Prepared by:

Natalia Casper

Sewer Commission Secretary







14541

# Horsley Witten Group

*Sustainable Environmental Solutions*

90 Route 6A • Unit 1 • Sandwich, MA 02563  
508-833-6600 • horsleywitten.com



**Town of North Smithfield, RI**  
Water and Sewer Department  
575 Smithfield Road  
North Smithfield, RI 02896  
Attn: Ms. Maura Beck

**INVOICE**

12/11/2019

Invoice No. 46744

Project No: 17087

**Re: Phase 2 - Design for Parkview Drive**

Project Manager: Chateauneuf, Russell  
For Services Rendered Through 12/1/2019

**Professional Services**

Description by Task	Title	Rate	Hours	Amount
<b>12-Task 12: As-Built Drawings</b>				
Chateauneuf, Russell	Sr. Project Manager	140.00	7.25	\$1,015.00
Nisbet, Lucy	Design Engineer II	95.00	11.00	\$1,045.00
		Subtotal Task 12: As-Built Drawings		\$2,060.00
<b>Total Fee Charges</b>			<b>18.25</b>	<b>\$2,060.00</b>
<b>Total Current Billing</b>				<b>\$2,060.00</b>

*cl*  
*✓*  
*1-008-4354-325*

Thank you!

| Total Paid to: Horsley Witten | \$ 86,149.04 |

Terms: Payable on Receipt

Page 1 of 1

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