

**CONTRACT CHANGE ORDER FORM**

TO: Sam Tolen  
 Rieth-Riley Construction Co.  
 P.O. Box 276  
 Indianapolis, IN 46206

CONTRACT CHANGE ORDER NO.: 1  
 DATE: 12/9/2013  
 PROJECT NAME: Farr Hills Neighborhood Water Main and Sanitary Sewer Extension  
 ORIGINAL CITY P.O. NO.: \_\_\_\_\_

I. You are directed to make the following changes in this contract:

<u>ITEM</u>	<u>AMOUNT</u>	<u>SCHEDULED ADJUSTMENT (+) OR (-) DAYS</u>
See Attachments		

II. The following referenced documents further describe the changes outlined in Paragraph I, and are to be considered a part of this Change Order:

R.F.P.: \_\_\_\_\_ W.D.C.: 1

III. The changes result in the following adjustment of Contract Price and Contract Time:

Contract Sum prior to this Change Order	\$ <u>1,536,625.65</u>
Contract Sum will be increased by this Change Order	\$ <u>45,385.50</u>
New Contract Sum including this Change Order	\$ <u>1,582,011.15</u>
Contract Time Prior to this Change Order	<u>December 5, 2013</u> Substantial Completion Date
	<u>December 25, 2013</u> Final Completion Date
Net increase resulting from this Change Order	<u>30</u> Days
Current Contract Time including this Change Order	<u>Jan. 4, 2014</u> Substantial Completion Date
	<u>Jan. 24, 2014</u> Final Completion Date

This Change Order is for full and final settlement of all direct, indirect, impact costs and time extension incurred at any time resulting from the performance of the changed work.

The Above Changes Are Recommended:

The Above Changes Are Accepted:

Approved:

VS Engineering, Inc.  
 Engineer

Rieth Riley Construction, Co.  
 Contractor

City of Westfield, IN  
 Owner

4275 N. High School Road  
 Address

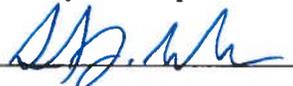
P.O. Box 276  
 Address

2706 E. 171<sup>st</sup> Street  
 Address

Indianapolis, IN 46254  
 City/State/Zip

Indianapolis, IN 46206  
 City/State/Zip

Westfield, IN 46074  
 City/State/Zip

By: 

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

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

Phone: 317-293-3542

Phone: \_\_\_\_\_

Phone: \_\_\_\_\_

Date: 12-9-2013

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

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

## **Change Order 1 Attachments**

**Total Change Order 1 Summary Spreadsheet**

CHANGE ORDER 1 QUANTITY ADJUSTMENTS  
 FARR HILLS SANITARY SEWER AND WATER MAIN EXTENSION PROJECT  
 DEPARTMENT OF PUBLIC WORKS, CITY OF WESTFIELD, INDIANA

				Prices		Change Order Adjustments		Adjusted Contract Prices	
ITEM #	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE	QUANTITY CHANGE	PRICE CHANGE	QUANTITY	TOTAL PRICE
<b>6" Water Main, Complete in Place</b>									
A1.1	0-8 Feet With Granular Backfill	1382	LF	\$ 37.70	\$ 52,101.40	75	\$ 2,827.50	1457	\$ 54,928.90
A1.2	0-8 Feet With Flowable Fill Backfill	75	LF	\$ 58.00	\$ 4,350.00	-75	\$ (4,350.00)	0	\$ -
<b>8" Water Main, Complete in Place</b>									
A1.3	0-8 Feet With Granular Backfill	1512	LF	\$ 43.00	\$ 65,016.00	70	\$ 3,010.00	1582	\$ 68,026.00
A1.4	0-8 Feet With Flowable Fill Backfill	40	LF	\$ 68.75	\$ 2,750.00	-40	\$ (2,750.00)	0	\$ -
<b>6" Water Main Fittings</b>									
A1.5	6"x45° Bend, Complete in Place	4	EA	\$ 140.00	\$ 560.00		\$ -	4	\$ 560.00
A1.6	6"x22.5° Bend, Complete in Place	4	EA	\$ 140.00	\$ 560.00	2	\$ 280.00	6	\$ 840.00
A1.7	6"x11.25° Bend, Complete in Place	1	EA	\$ 140.00	\$ 140.00		\$ -	1	\$ 140.00
<b>8" Water Main Fittings</b>									
A1.8	8"x8"x8" Tee, Complete in Place	1	EA	\$ 330.00	\$ 330.00		\$ -	1	\$ 330.00
A1.9	8"x45° Bend, Complete in Place	1	EA	\$ 200.00	\$ 200.00	6	\$ 1,200.00	7	\$ 1,400.00
A1.10	8"x22.5° Bend, Complete in Place	3	EA	\$ 200.00	\$ 600.00	-3	\$ (600.00)	0	\$ -
A1.11	8"x11.25° Bend, Complete in Place	2	EA	\$ 190.00	\$ 380.00	-2	\$ (380.00)	0	\$ -
A1.12	8"x6" Reducer	2	EA	\$ 180.00	\$ 360.00		\$ -	2	\$ 360.00

CHANGE ORDER 1 QUANTITY ADJUSTMENTS  
 FARR HILLS SANITARY SEWER AND WATER MAIN EXTENSION PROJECT  
 DEPARTMENT OF PUBLIC WORKS, CITY OF WESTFIELD, INDIANA

A1.13	<b>Fire Hydrants, Complete in Place</b>	10	EA	\$ 4,200.00	\$ 42,000.00		\$ -	10	\$ 42,000.00
A1.14	<b>Tap &amp; Valve, Complete in Place</b>	1	EA	\$ 4,100.00	\$ 4,100.00		\$ -	1	\$ 4,100.00
A1.15	<b>6" Gate Valve, Complete in Place</b>	2	EA	\$ 1,000.00	\$ 2,000.00		\$ -	2	\$ 2,000.00
A1.16	<b>8" Gate Valve, Complete in Place</b>	2	EA	\$ 1,400.00	\$ 2,800.00	1	\$ 1,400.00	3	\$ 4,200.00
	<b>3/4" or 1" Water Service Line, Complete in Place</b>								
A1.17	Short Side	16	EA	\$ 500.00	\$ 8,000.00		\$ -	16	\$ 8,000.00
A1.18	Long Side, Horizontal Directional Drill	6	EA	\$ 880.00	\$ 5,280.00		\$ -	6	\$ 5,280.00
	<b>Meter Pit and Box</b>								
A1.19	Single, Complete in Place	9	EA	\$ 750.00	\$ 6,750.00		\$ -	9	\$ 6,750.00
A1.20	Double, Complete in Place	13	EA	\$ 800.00	\$ 10,400.00		\$ -	13	\$ 10,400.00
A1.21	<b>Ditch Crossing, Complete in Place</b>	1	EA	\$ 3,270.00	\$ 3,270.00		\$ -	1	\$ 3,270.00
	<b>Street Repairs</b>								
A1.22	With Flowable Fill & Base Course to Road Surface	295	SYS	\$ 18.75	\$ 5,531.25	-295	\$ (5,531.25)	0	\$ -
	<b>Drive Repairs</b>								
A1.23	Aggregate, Complete in Place	100	SYS	\$ 12.00	\$ 1,200.00		\$ -	100	\$ 1,200.00
A1.24	Concrete, Complete in Place	25	SYS	\$ 54.00	\$ 1,350.00	-25	\$ (1,350.00)	0	\$ -

CHANGE ORDER 1 QUANTITY ADJUSTMENTS  
 FARR HILLS SANITARY SEWER AND WATER MAIN EXTENSION PROJECT  
 DEPARTMENT OF PUBLIC WORKS, CITY OF WESTFIELD, INDIANA

A1.25	Bituminous, Complete in Place	355	SYS	\$ 47.00	\$ 16,685.00	-55	\$ (2,585.00)	300	\$ 14,100.00
A1.26	Remove and Replace Existing Curb and Gutter	60	LF	\$ 31.00	\$ 1,860.00	-60	\$ (1,860.00)	0	\$ -
A1.27	Removal and Resetting of Existing Mailboxes	18	EA	\$ 160.00	\$ 2,880.00		\$ -	18	\$ 2,880.00
A1.28	Removal and Resetting of Existing Street Sign	1	EA	\$ 520.00	\$ 520.00	3	\$ 1,560.00	4	\$ 2,080.00
A1.29	Remove and Replace Existing Driveway Pipe	93	LF	\$ 55.00	\$ 5,115.00		\$ -	93	\$ 5,115.00
A1.30	Removal of Existing Shrub or Tree	3	EA	\$ 210.00	\$ 630.00		\$ -	3	\$ 630.00
A1.31	Landscape & Lawn Restoration - Seeding Type U	3500	SYS	\$ 2.80	\$ 9,800.00		\$ -	3500	\$ 9,800.00
A1.32	Erosion Control Blanket	3500	SYS	\$ 1.10	\$ 3,850.00		\$ -	3500	\$ 3,850.00
A1.33	Erosion Control Measures	1	LS	\$ 8,400.00	\$ 8,400.00		\$ -	1	\$ 8,400.00
A1.34	Mobilization and Demobilization	1	LS	\$ 7,900.00	\$ 7,900.00		\$ -	1	\$ 7,900.00
A1.35	Clearing Right-of-Way	1	LS	\$ 3,500.00	\$ 3,500.00		\$ -	1	\$ 3,500.00

CHANGE ORDER 1 QUANTITY ADJUSTMENTS  
 FARR HILLS SANITARY SEWER AND WATER MAIN EXTENSION PROJECT  
 DEPARTMENT OF PUBLIC WORKS, CITY OF WESTFIELD, INDIANA

A1.36	Maintenance of Traffic	1	LS	\$ 1,300.00	\$ 1,300.00		\$ -	1	\$ 1,300.00
A1.37	Construction Engineering	1	LS	\$ 2,000.00	\$ 2,000.00		\$ -	1	\$ 2,000.00
	<b>8" Sanitary Sewer, Complete in Place (SDR 35, ASTM D 3034)</b>								
A3.1	Flowable Backfill, 8-12 Feet	380	LF	\$ 140.00	\$ 53,200.00	-380	\$ (53,200.00)	0	\$ -
A3.2	Flowable Backfill, 12-16 Feet	136	LF	\$ 195.00	\$ 26,520.00	-136	\$ (26,520.00)	0	\$ -
A3.3	Granular Backfill, 8-12 Feet	508	LF	\$ 79.00	\$ 40,132.00		\$ -	508	\$ 40,132.00
A3.4	Granular Backfill, 12-16 Feet	140	LF	\$ 106.00	\$ 14,840.00	-40	\$ (4,240.00)	100	\$ 10,600.00
A3.5	Native Backfill, 8-12 Feet	115	LF	\$ 51.00	\$ 5,865.00	593	\$ 30,243.00	708	\$ 36,108.00
A3.6	Native Backfill, 12-16 Feet	79	LF	\$ 60.00	\$ 4,740.00	-79	\$ (4,740.00)	0	\$ -
	<b>8" Sanitary Sewer, Complete in Place (SDR 26, ASTM D 3034)</b>								
A3.7	Flowable Backfill, 12-16 Feet	20	LF	\$ 210.00	\$ 4,200.00	-20	\$ (4,200.00)	0	\$ -
A3.8	Granular Backfill, 8-12 Feet	63	LF	\$ 85.00	\$ 5,355.00	-63	\$ (5,355.00)	0	\$ -
A3.9	Granular Backfill, 12-16 Feet, Rolling Court	165	LF	\$ 110.00	\$ 18,150.00	168	\$ 18,480.00	333	\$ 36,630.00
A3.10	Granular Backfill, 16-20 Feet	95	LF	\$ 160.00	\$ 15,200.00	-95	\$ (15,200.00)	0	\$ -
A3.11	Granular Backfill, 20+ Feet	491	LF	\$ 165.00	\$ 81,015.00	-491	\$ (81,015.00)	0	\$ -
A3.12	Native Backfill, 12-16 Feet	60	LF	\$ 45.00	\$ 2,700.00	-60	\$ (2,700.00)	0	\$ -

CHANGE ORDER 1 QUANTITY ADJUSTMENTS  
 FARR HILLS SANITARY SEWER AND WATER MAIN EXTENSION PROJECT  
 DEPARTMENT OF PUBLIC WORKS, CITY OF WESTFIELD, INDIANA

A3.13	Native Backfill, 16-20 Feet	75	LF	\$ 45.00	\$ 3,375.00	59	\$ 2,655.00	134	\$ 6,030.00
A3.14	Native Backfill, 20+ Feet	59	LF	\$ 50.00	\$ 2,950.00	-59	\$ (2,950.00)	0	\$ -
<b>8" Sanitary Sewer, Complete in Place (SDR 21, ASTM D 3034)</b>									
A3.15	Flowable Backfill, 12-16 Feet	44	LF	\$ 160.00	\$ 7,040.00	-44	\$ (7,040.00)	0	\$ -
A3.16	Granular Backfill, 12-16 Feet	255	LF	\$ 88.00	\$ 22,440.00	-255	\$ (22,440.00)	0	\$ -
A3.17	Native Backfill, 8-12 Feet	141	LF	\$ 38.00	\$ 5,358.00		\$ -	141	\$ 5,358.00
<b>10" Sanitary Sewer, Complete in Place (SDR 26, ASTM D 3034)</b>									
A3.18	Granular Backfill, 20+ Feet	20	LF	\$ 245.00	\$ 4,900.00		\$ -	20	\$ 4,900.00
<b>10" Sanitary Sewer, All Depths, Complete in Place</b>									
A3.19	Jack & Bore w/24" Casing Pipe (SDR 26, ASTM D 3034)	696	LF	\$ 475.00	\$ 330,600.00	-226	\$ (107,350.00)	470	\$ 223,250.00
<b>6" Sanitary Sewer Laterals, Complete in Place (SDR 35, ASTM D 3034)</b>									
A3.20	0-8 Feet With Native Backfill	40	LF	\$ 49.00	\$ 1,960.00	44	\$ 2,156.00	84	\$ 4,116.00
A3.21	0-8 Feet With Granular Backfill	344	LF	\$ 55.00	\$ 18,920.00	630	\$ 34,650.00	974	\$ 53,570.00



CHANGE ORDER 1 QUANTITY ADJUSTMENTS  
 FARR HILLS SANITARY SEWER AND WATER MAIN EXTENSION PROJECT  
 DEPARTMENT OF PUBLIC WORKS, CITY OF WESTFIELD, INDIANA

A3.33	Lift Station, Complete in Place	1	LS	\$ 200,000.00	\$ 200,000.00		\$ -	1	\$ 200,000.00
A3.34	Sanitary Manhole Cleaning and Coating	8	VF	\$ 460.00	\$ 3,680.00		\$ -	8	\$ 3,680.00
A3.35	Sanitary Manhole Chimney Rehab	1	EA	\$ 960.00	\$ 960.00		\$ -	1	\$ 960.00
A3.36	Sanitary Manhole Casting Replacement	1	EA	\$ 600.00	\$ 600.00		\$ -	1	\$ 600.00
A3.37	Inlet E7, Complete in Place	1	EA	\$ 1,500.00	\$ 1,500.00	2	\$ 3,000.00	3	\$ 4,500.00
A3.38	Remove & Replace 12" Storm Sewer Pipe, Complete in Place	50	LFT	\$ 81.00	\$ 4,050.00	190	\$ 15,390.00	240	\$ 19,440.00
A3.39	Core Existing Structure	2	EA	\$ 1,300.00	\$ 2,600.00		\$ -	2	\$ 2,600.00
	12" Storm Sewer, Complete in Place								
A3.40	0-8 Feet With Granular Backfill (Open Cut)	17	LF	\$ 54.00	\$ 918.00	49	\$ 2,646.00	66	\$ 3,564.00
A3.41	Surface Milling, 1-1/2", Complete in Place	5700	SYS	\$ 1.20	\$ 6,840.00	-5700	\$ (6,840.00)	0	\$ -
A3.42	Asphalt, Surface, 1-1/2", Complete in Place	475	TON	\$ 71.00	\$ 33,725.00		\$ -	475	\$ 33,725.00

CHANGE ORDER 1 QUANTITY ADJUSTMENTS  
 FARR HILLS SANITARY SEWER AND WATER MAIN EXTENSION PROJECT  
 DEPARTMENT OF PUBLIC WORKS, CITY OF WESTFIELD, INDIANA

A3.43	<b>Ditch Crossing, Complete in Place</b>	2	EA	\$ 4,400.00	\$ 8,800.00		\$ -	2	\$ 8,800.00
<b>Street Repairs</b>									
A3.44	With Flowable Fill & Base Course to Road Surface	785	SYS	\$ 22.00	\$ 17,270.00	-785	\$ (17,270.00)	0	\$ -
<b>Driveway Repairs</b>									
A3.45	Aggregate, Complete in Place	28	SYS	\$ 13.00	\$ 364.00		\$ -	28	\$ 364.00
A3.46	Concrete, Complete in Place	75	SYS	\$ 48.00	\$ 3,600.00		\$ -	75	\$ 3,600.00
A3.47	Bituminous, Complete in Place	144	SYS	\$ 51.00	\$ 7,344.00		\$ -	144	\$ 7,344.00
A3.48	<b>Remove and Replace Existing Curb and Gutter</b>	1270	LF	\$ 26.00	\$ 33,020.00	-1270	\$ (33,020.00)	0	\$ -
A3.49	<b>Removal and Resetting of Existing Mailboxes</b>	14	EA	\$ 165.00	\$ 2,310.00		\$ -	14	\$ 2,310.00
A3.50	<b>Removal and Resetting of Existing Street Sign</b>	1	EA	\$ 520.00	\$ 520.00		\$ -	1	\$ 520.00
A3.51	<b>Removal of Existing Shrub or Tree</b>	33	EA	\$ 65.00	\$ 2,145.00	33	\$ 2,145.00	66	\$ 4,290.00
A3.52	<b>Landscape &amp; Lawn Restoration - Seeding Type U</b>	5500	SYS	\$ 2.60	\$ 14,300.00		\$ -	5500	\$ 14,300.00
A3.53	<b>Erosion Control Blanket</b>	5500	SYS	\$ 1.10	\$ 6,050.00		\$ -	5500	\$ 6,050.00

CHANGE ORDER 1 QUANTITY ADJUSTMENTS  
 FARR HILLS SANITARY SEWER AND WATER MAIN EXTENSION PROJECT  
 DEPARTMENT OF PUBLIC WORKS, CITY OF WESTFIELD, INDIANA

A3.54	<b>Erosion Control Measures</b>	1	LS	\$ 7,100.00	\$ 7,100.00		\$ -	1	\$ 7,100.00
A3.55	<b>Mobilization and Demobilization</b>	1	LS	\$ 30,000.00	\$ 30,000.00		\$ -	1	\$ 30,000.00
A3.56	<b>Clearing Right-of-Way</b>	1	LS	\$ 15,000.00	\$ 15,000.00		\$ -	1	\$ 15,000.00
A3.57	<b>Maintenance of Traffic</b>	1	LS	\$ 2,600.00	\$ 2,600.00		\$ -	1	\$ 2,600.00
A3.58	<b>Construction Engineering</b>	1	LS	\$ 3,000.00	\$ 3,000.00		\$ -	1	\$ 3,000.00
	<b>10" Sanitary Sewer, Complete in Place (SDR 26, ASTM D 3034)</b>								
A3.59	Native Backfill, 12-16 Feet		LF	\$ 220.25		226	\$ 49,776.50	226	\$ 49,776.50
	<b>8" Sanitary Sewer, Complete in Place (SDR 26, ASTM D 3034)</b>								
A3.60	Granular Backfill, 12-16 Feet, Farr Hills Dr.		LF	\$ 129.25		420	\$ 54,285.00	420	\$ 54,285.00
A3.61	Granular Backfill, 16-20 Feet		LF	\$ 184.25		432	\$ 79,596.00	432	\$ 79,596.00
A3.62	<b>Surface Milling, 1"-3" Variable Depth, Complete in Place</b>		SYS	\$ 1.70		5700	\$ 9,690.00	5700	\$ 9,690.00
A3.63	<b>Remove and Replace Existing 18" Storm Sewer Pipe</b>		LF	\$ 87.00		40	\$ 3,480.00	40	\$ 3,480.00

CHANGE ORDER 1 QUANTITY ADJUSTMENTS  
 FARR HILLS SANITARY SEWER AND WATER MAIN EXTENSION PROJECT  
 DEPARTMENT OF PUBLIC WORKS, CITY OF WESTFIELD, INDIANA

A3.64	<b>Compacted Agg., No 53 Stone</b>		TON	\$ 27.99		575	\$ 16,094.25	575	\$ 16,094.25
A3.65	<b>HMA Base, 3", Complete in Place</b>		TON	\$ 91.34		375	\$ 34,252.50	375	\$ 34,252.50
A3.66	<b>HMA Intermediate, 2.5", Complete in Place</b>		TON	\$ 96.78		325	\$ 31,453.50	325	\$ 31,453.50
A3.67	<b>15" Storm Sewer, Complete in Place</b>		LF	\$ 64.00		77	\$ 4,928.00	77	\$ 4,928.00
A3.68	<b>15" End Section, Concrete</b>		EA	\$ 750.00		1	\$ 750.00	1	\$ 750.00
A3.69	<b>Remove and Replace Existing Curb and Gutter</b>		LF	\$ 24.50		3853	\$ 94,398.50	3853	\$ 94,398.50
<b>TOTAL FOR CHANGE ORDER 1</b>							<b>\$ 45,385.50</b>		<b>\$ 1,582,011.15</b>

## Change Order 1 Summary Spreadsheet Separated into Major Changes

1 – Jack and Bore Change

2 – Farr Hills Drive Alignment Change

3 – Sanitary Sewer Categorization Change

4 – Flowable Fill Removal and Pavement Addition Change

5 – Line C Storm Addition

6 – Curb and Gutter Addition

7 – Miscellaneous Changes

CHANGE ORDER 1 QUANTITY ADJUSTMENTS  
 FARR HILLS SANITARY SEWER AND WATER MAIN EXTENSION PROJECT  
 DEPARTMENT OF PUBLIC WORKS, CITY OF WESTFIELD, INDIANA

Jack and Bore to Open Cut Change				Prices		Change Order Adjustments	
ITEM #	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE	QUANTITY CHANGE	PRICE CHANGE
	<b>10" Sanitary Sewer, All Depths, Complete in Place</b>						
A3.19	Jack & Bore w/24" Casing Pipe (SDR 26, ASTM D 3034)	696	LF	\$ 475.00	\$ 330,600.00	-226	\$ (107,350.00)
	<b>10" Sanitary Sewer, Complete in Place (SDR 26, ASTM D 3034)</b>						
A3.59	Native Backfill, 12-16 Feet		LF	\$ 220.25		226	\$ 49,776.50
<b>TOTAL CHANGE</b>						<b>\$ (57,573.50)</b>	

Explanation: This change was proposed by the Contractor. Because of the depth and space requirements, the sewer between Manhole B-1 and C-1 was designed as being installed by trenchless methods. Because of issues with installing the longer trenchless segment, the removal of trees at the request of the property owner, and other time requirements, Rieth Riley requested to install it by open cut. Since this change resulted in a credit, this work was approved by Work Directive Change 1.

CHANGE ORDER 1 QUANTITY ADJUSTMENTS  
 FARR HILLS SANITARY SEWER AND WATER MAIN EXTENSION PROJECT  
 DEPARTMENT OF PUBLIC WORKS, CITY OF WESTFIELD, INDIANA

Farr Hills Drive Alignment Change				Prices		Change Order Adjustments	
ITEM #	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE	QUANTITY CHANGE	PRICE CHANGE
	<b>8" Water Main, Complete in Place</b>						
A1.3	0-8 Feet With Granular Backfill	1512	LF	\$ 43.00	\$ 65,016.00	30	\$ 1,290.00
	<b>8" Water Main Fittings</b>						
A1.9	8"x45° Bend, Complete in Place	1	EA	\$ 200.00	\$ 200.00	6	\$ 1,200.00
A1.10	8"x22.5° Bend, Complete in Place	3	EA	\$ 200.00	\$ 600.00	-3	\$ (600.00)
A1.11	8"x11.25° Bend, Complete in Place	2	EA	\$ 190.00	\$ 380.00	-2	\$ (380.00)
	<b>Drive Repairs</b>						
A1.24	Concrete, Complete in Place	25	SYS	\$ 54.00	\$ 1,350.00	-25	\$ (1,350.00)
A1.25	Bituminous, Complete in Place	355	SYS	\$ 47.00	\$ 16,685.00	-55	\$ (2,585.00)
	<b>8" Sanitary Sewer, Complete in Place (SDR 35, ASTM D 3034)</b>						
A3.1	Flowable Backfill, 8-12 Feet	128	LF	\$ 140.00	\$ 17,920.00	-128	\$ (17,920.00)
	<b>8" Sanitary Sewer, Complete in Place (SDR 26, ASTM D 3034)</b>						
A3.8	Granular Backfill, 8-12 Feet	63	LF	\$ 85.00	\$ 5,355.00	-63	\$ (5,355.00)
A3.9	Granular Backfill, 12-16 Feet	165	LF	\$ 110.00	\$ 18,150.00	-165	\$ (18,150.00)

CHANGE ORDER 1 QUANTITY ADJUSTMENTS  
 FARR HILLS SANITARY SEWER AND WATER MAIN EXTENSION PROJECT  
 DEPARTMENT OF PUBLIC WORKS, CITY OF WESTFIELD, INDIANA

A3.10	Granular Backfill, 16-20 Feet	95	LF	\$ 160.00	\$ 15,200.00	-95	\$ (15,200.00)
A3.11	Granular Backfill, 20+ Feet	491	LF	\$ 165.00	\$ 81,015.00	-491	\$ (81,015.00)
<b>6" Sanitary Sewer Laterals, Complete in Place (SDR 35, ASTM D 3034)</b>							
A3.20	0-8 Feet With Native Backfill	40	LF	\$ 49.00	\$ 1,960.00	44	\$ 2,156.00
A3.21	0-8 Feet With Granular Backfill	344	LF	\$ 55.00	\$ 18,920.00	65	\$ 3,575.00
<b>48" Dia. Std. Manhole w/Steps, Frame &amp; Cover</b>							
A3.25	20+ Feet	4	EA	\$ 5,000.00	\$ 20,000.00	-1	\$ (5,000.00)
<b>Street Repairs</b>							
A3.44	With Flowable Fill & Base Course to Road Surface	785	SYS	\$ 22.00	\$ 17,270.00	1140	\$ 25,080.00
<b>8" Sanitary Sewer, Complete in Place (SDR 26, ASTM D 3034)</b>							
A3.60	Granular Backfill, 12-16 Feet, Farr Hills Dr.		LF	\$ 129.25		420	\$ 54,285.00
A3.61	Granular Backfill, 16-20 Feet		LF	\$ 184.25		432	\$ 79,596.00
<b>TOTAL CHANGE</b>						<b>\$ 19,627.00</b>	

Explanation: In order to avoid utilities and trees on private property, the alignment of the water main and sanitary sewer were adjusted closer to the centerline of the pavement. This alignment avoid major utilities while allowing one lane of traffic to remain open. This resulted in additional street repair costs. SDR-21 sewer pipe material is not required since the water main was kept at least 10' away from the sewer.

CHANGE ORDER 1 QUANTITY ADJUSTMENTS  
 FARR HILLS SANITARY SEWER AND WATER MAIN EXTENSION PROJECT  
 DEPARTMENT OF PUBLIC WORKS, CITY OF WESTFIELD, INDIANA

Sanitary Sewer Categorization Change				Prices		Change Order Adjustments	
ITEM #	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE	QUANTITY CHANGE	PRICE CHANGE
	<b>8" Sanitary Sewer, Complete in Place (SDR 35, ASTM D 3034)</b>						
A3.1	Flowable Backfill, 8-12 Feet	380	LF	\$ 140.00	\$ 53,200.00	-252	\$ (35,280.00)
A3.2	Flowable Backfill, 12-16 Feet	136	LF	\$ 195.00	\$ 26,520.00	-136	\$ (26,520.00)
A3.4	Granular Backfill, 12-16 Feet	140	LF	\$ 106.00	\$ 14,840.00	-40	\$ (4,240.00)
A3.5	Native Backfill, 8-12 Feet	115	LF	\$ 51.00	\$ 5,865.00	593	\$ 30,243.00
A3.6	Native Backfill, 12-16 Feet	79	LF	\$ 60.00	\$ 4,740.00	-79	\$ (4,740.00)
	<b>8" Sanitary Sewer, Complete in Place (SDR 26, ASTM D 3034)</b>						
A3.7	Flowable Backfill, 12-16 Feet	20	LF	\$ 210.00	\$ 4,200.00	-20	\$ (4,200.00)
A3.9	Granular Backfill, 12-16 Feet, Rolling Court	0	LF	\$ 110.00	\$ -	333	\$ 36,630.00
A3.12	Native Backfill, 12-16 Feet	60	LF	\$ 45.00	\$ 2,700.00	-60	\$ (2,700.00)
A3.13	Native Backfill, 16-20 Feet	75	LF	\$ 45.00	\$ 3,375.00	59	\$ 2,655.00
A3.14	Native Backfill, 20+ Feet	59	LF	\$ 50.00	\$ 2,950.00	-59	\$ (2,950.00)

CHANGE ORDER 1 QUANTITY ADJUSTMENTS  
 FARR HILLS SANITARY SEWER AND WATER MAIN EXTENSION PROJECT  
 DEPARTMENT OF PUBLIC WORKS, CITY OF WESTFIELD, INDIANA

	<b>8" Sanitary Sewer, Complete in Place (SDR 21, ASTM D 3034)</b>						
A3.15	Flowable Backfill, 12-16 Feet	44	LF	\$ 160.00	\$ 7,040.00	-44	\$ (7,040.00)
A3.16	Granular Backfill, 12-16 Feet	255	LF	\$ 88.00	\$ 22,440.00	-255	\$ (22,440.00)
<b>TOTAL CHANGE</b>						<b>\$ (40,582.00)</b>	

Explanation: This change was proposed by the Contractor. Rieth Riley felt it easier to track sewer depth by averages between manholes instead of depth at any given point. Since this work resulted in a credit, this work was approved by Work Directive Change 3.

CHANGE ORDER 1 QUANTITY ADJUSTMENTS  
 FARR HILLS SANITARY SEWER AND WATER MAIN EXTENSION PROJECT  
 DEPARTMENT OF PUBLIC WORKS, CITY OF WESTFIELD, INDIANA

Flowable Fill Removal and Pavement Addition				Prices		Change Order Adjustments	
ITEM #	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE	QUANTITY CHANGE	PRICE CHANGE
	<b>6" Water Main, Complete in Place</b>						
A1.1	0-8 Feet With Granular Backfill	1382	LF	\$ 37.70	\$ 52,101.40	75	\$ 2,827.50
A1.2	0-8 Feet With Flowable Fill Backfill	75	LF	\$ 58.00	\$ 4,350.00	-75	\$ (4,350.00)
	<b>8" Water Main, Complete in Place</b>						
A1.3	0-8 Feet With Granular Backfill	1512	LF	\$ 43.00	\$ 65,016.00	40	\$ 1,720.00
A1.4	0-8 Feet With Flowable Fill Backfill	40	LF	\$ 68.75	\$ 2,750.00	-40	\$ (2,750.00)
	<b>Street Repairs</b>						
A1.22	With Flowable Fill & Base Course to Road Surface	295	SYS	\$ 18.75	\$ 5,531.25	-295	\$ (5,531.25)
	<b>6" Sanitary Sewer Laterals, Complete in Place (SDR 35, ASTM D 3034)</b>						
A3.21	0-8 Feet With Granular Backfill	344	LF	\$ 55.00	\$ 18,920.00	565	\$ 31,075.00
A3.22	0-8 Feet With Flowable Fill Backfill	565	LF	\$ 70.00	\$ 39,550.00	-565	\$ (39,550.00)
	<b>6" PVC Sanitary Sewer Force Main, Complete in Place (PVC C900) Service</b>						

CHANGE ORDER 1 QUANTITY ADJUSTMENTS  
 FARR HILLS SANITARY SEWER AND WATER MAIN EXTENSION PROJECT  
 DEPARTMENT OF PUBLIC WORKS, CITY OF WESTFIELD, INDIANA

A3.29	0-8 Feet With Granular Backfill (Open Cut)	359	LF	\$ 40.00	\$ 14,360.00	75	\$ 3,000.00
A3.30	0-8 Feet With Flowable Fill Backfill (Open Cut)	75	LF	\$ 55.00	\$ 4,125.00	-75	\$ (4,125.00)
<b>Street Repairs</b>							
A3.44	With Flowable Fill & Base Course to Road Surface	785	SYS	\$ 22.00	\$ 17,270.00	-1925	\$ (42,350.00)
A3.64	<b>Compacted Agg., No 53 Stone</b>		TON	\$ 27.99		575	\$ 16,094.25
A3.65	<b>HMA Base, 3", Complete in Place</b>		TON	\$ 91.34		375	\$ 34,252.50
A3.66	<b>HMA Intermediate, 2.5", Complete in Place</b>		TON	\$ 96.78		325	\$ 31,453.50
<b>TOTAL CHANGE</b>							<b>\$ 21,766.50</b>

Explanation: All parties agreed some additional savings could be realized if granular backfill was substituted for flowable fill, but this will also require the addition of some pavement and stone quantities. Additional street repair costs from the alignment changes on Farr Hills Drive increased overall pavement restoration.

CHANGE ORDER 1 QUANTITY ADJUSTMENTS  
 FARR HILLS SANITARY SEWER AND WATER MAIN EXTENSION PROJECT  
 DEPARTMENT OF PUBLIC WORKS, CITY OF WESTFIELD, INDIANA

Line C Storm Addition				Prices		Change Order Adjustments	
ITEM #	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE	QUANTITY CHANGE	PRICE CHANGE
	<b>48" Dia. Std. Manhole w/Steps, Frame &amp; Cover</b>						
A3.24	12-16 Feet	4	EA	\$ 4,200.00	\$ 16,800.00	1	\$ 4,200.00
A3.37	<b>Inlet E7, Complete in Place</b>	1	EA	\$ 1,500.00	\$ 1,500.00	2	\$ 3,000.00
A3.38	<b>Remove &amp; Replace 12" Storm Sewer Pipe, Complete in Place</b>	50	LFT	\$ 81.00	\$ 4,050.00	190	\$ 15,390.00
	<b>12" Storm Sewer, Complete in Place</b>						
A3.40	0-8 Feet With Granular Backfill (Open Cut)	17	LF	\$ 54.00	\$ 918.00	49	\$ 2,646.00
A3.67	<b>15" Storm Sewer, Complete in Place</b>		LF	\$ 64.00		77	\$ 4,928.00
A3.68	<b>15" End Section, Concrete</b>		EA	\$ 750.00		1	\$ 750.00
<b>TOTAL CHANGE</b>							<b>\$ 30,914.00</b>

Explanation: Storm pipe along Line C was in bad condition before construction and several hundred feet of this system was removed during installation of the sanitary sewer. Some of the existing pipe was also on private property. At the request of the City, this storm sewer will be relocated and replaced per current engineering standards. This will drain the storm water from Farr Hills Drive from two inlets in the cul-de-sac.

CHANGE ORDER 1 QUANTITY ADJUSTMENTS  
 FARR HILLS SANITARY SEWER AND WATER MAIN EXTENSION PROJECT  
 DEPARTMENT OF PUBLIC WORKS, CITY OF WESTFIELD, INDIANA

Curb and Gutter Addition				Prices		Change Order Adjustments	
ITEM #	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE	QUANTITY CHANGE	PRICE CHANGE
A1.26	Remove and Replace Existing Curb and Gutter	60	LF	\$ 31.00	\$ 1,860.00	-60	\$ (1,860.00)
A3.48	Remove and Replace Existing Curb and Gutter	1270	LF	\$ 26.00	\$ 33,020.00	-1270	\$ (33,020.00)
A3.69	Remove and Replace Existing Curb and Gutter		LF	\$ 24.50		3853	\$ 94,398.50
<b>TOTAL CHANGE</b>						<b>\$ 59,518.50</b>	

Explanation: The curb and gutter throughout the project was in poor condition before construction began. In order to keep the neighborhood aesthetics consistent and maintain positive drainage, all the curb and gutter will be replaced in the project limits.

CHANGE ORDER 1 QUANTITY ADJUSTMENTS  
 FARR HILLS SANITARY SEWER AND WATER MAIN EXTENSION PROJECT  
 DEPARTMENT OF PUBLIC WORKS, CITY OF WESTFIELD, INDIANA

Miscellaneous Changes				Prices		Change Order Adjustments	
ITEM #	DESCRIPTION	ESTIMATED QUANTITY	UNIT	UNIT PRICE	TOTAL PRICE	QUANTITY CHANGE	PRICE CHANGE
A1.6	6"x22.5° Bend, Complete in Place	4	EA	\$ 140.00	\$ 560.00	2	\$ 280.00
A1.16	8" Gate Valve, Complete in Place	2	EA	\$ 1,400.00	\$ 2,800.00	1	\$ 1,400.00
A1.28	Removal and Resetting of Existing Street Sign	1	EA	\$ 520.00	\$ 520.00	3	\$ 1,560.00
A3.41	Surface Milling, 1- 1/2", Complete in Place	5700	SYS	\$ 1.20	\$ 6,840.00	-5700	\$ (6,840.00)
A3.51	Removal of Existing Shrub or Tree	33	EA	\$ 65.00	\$ 2,145.00	33	\$ 2,145.00
A3.62	Surface Milling, 1"-3" Variable Depth, Complete in Place		SYS	\$ 1.70		5700	\$ 9,690.00
A3.63	Remove and Replace Existing 18" Storm Sewer Pipe		LF	\$ 87.00		40	\$ 3,480.00
<b>TOTAL CHANGE</b>						<b>\$ 11,715.00</b>	

Explanation: The last time the neighborhood was paved, no milling was completed which increases the depth of milling required from 2" to 3" in some areas. Several additional trees were removed throughout the project. A small section of storm sewer along Rolling Court was removed and replaced during installation of the sanitary sewer. A bend and gate valve were determined beneficial in the field and were installed. This additional work is reflected in this change.