



R-2-2014
Contract #2-2014
R-696-2013

Lexington-Fayette Urban County Government
DEPARTMENT OF PUBLIC WORKS AND ENVIRONMENTAL QUALITY

Jim Gray
Mayor

David L. Holmes
Commissioner

Memorandum

To: Urban County Council
Meredith Nelson, Council Clerk

From: Courtney Thacher *CT*
Administrative Specialist Principle for Remedial Measures Program

Date: July 8, 2015

Re: Change Order 2 - Final Adjusting for Bob-O-Link Trunk Sewer RMP Project

This memorandum is to notify the Urban County Council of Final Adjusting Change Order for the Bob-O-Link Trunk Sewer Replacement Remedial Measure Project. Per CAO policy 15R the Remedial Measures Program Manger is allowed to approve change orders of less than 5% of the cumulative contract award. Change Order 2 is detailed in the attached Exhibit A. The result of the adjustment is a decrease to the contract amount by \$3,270.77 or .1%.

Should you have any questions, please contact me at 425-2439.

pc: Vernon Azevedo, P.E., Remedial Measures Program Manager
Charles Martin, P.E., Director of Water Quality
David Holmes, Commissioner
Mark Fischer, P.E., Project Manager
File

SANITARY SEWERS REMEDIAL MEASURES PLAN CONTRACT CHANGE ORDER FORM

Project Name: Bob-O-Link Trunk Sewer Replacement Project
Contractor: Free Contracting, Inc.
Contract Number: 157-2013
RMP Project ID: GR1-WR-10
Change Order ID Number: 2
Applicable Tier: 1

CHANGE ORDER DETAILS

Contract Amount	<u>\$2,389,508.04</u>	Contract Time	<u>270</u>
Original Contract Amount:	<u>\$2,346,342.10</u>	Original Contract Time	<u>270</u>
Change in Contract Amount	<u>(\$3,270.77)</u>	Change in Contract Time	<u>0</u>
New Contract Amount:	<u>\$2,386,237.27</u>	New Contract Time	<u>0</u>

JUSTIFICATION FOR CHANGE ORDER

See Attached Forms.

REQUIRED SIGNATURES

Tier 1 Vincent Arzundo 7-8-15
Remedial Measures Plan or Construction Manager Date

Tier 2 _____
Remedial Measures Plan or Construction Manager Date

Director of the Division of Water Quality Date

Director of the Division of Purchasing Date

URBAN COUNTY COUNCIL NOTIFICATION

[Signature] 7/8/15
Employee Submitting Notification Date

**ATTACHMENT NO. 1 TO CHANGE ORDER NO. 2: FINAL ADJUSTING
ACTUAL QUANTITIES INSTALLED ADJUSTMENT - FINAL**

Bob-O-Link Trunk Sewer Replacement
For: Lexington-Fayette Urban County Government
Bid No. 157-2013, RMP No. GR1-WR-10
By: Integrated Engineering, PLLC
18-Jun-15

Free Contracting, Inc.
1620 Old Frankfort Pike
Lexington, KY 40504

BID ITEM NO	UNIT DESCRIPTION	UNIT	APPROX QUANTITY BID	ACTUAL QUANTITY INSTALLED	DIFF. OF QUANTITIES	UNIT PRICE	TOTAL AMOUNT BID	ACTUAL INSTALLED AMOUNT	DIFF. OF AMOUNT
1	Mobilization	LS	1	1	0	\$50,000.00	\$ 60,000.00	\$ 50,000.00	\$ -
2	Bonds and Insurance	LS	1	1	0	\$35,000.00	\$ 35,000.00	\$ 35,000.00	\$ -
3	General Requirements	LS	1	1	0	\$75,000.00	\$ 75,000.00	\$ 75,000.00	\$ -
4	Demobilization	LS	1	1	0	\$20,000.00	\$ 20,000.00	\$ 20,000.00	\$ -
5	Erosion and Sediment Control and Conformance with SWPPP	LS	1	1	0	\$25,000.00	\$ 25,000.00	\$ 25,000.00	\$ -
6	6-inch Gravity Sewer Lateral, PVC (SDR 35), 0-6' depth	LF	165	165	0	\$65.00	\$ 10,725.00	\$ 10,725.00	\$ -
7	6-inch Gravity Sewer Lateral, PVC (SDR 35), 6.1'-10' depth	LF	345	388	43	\$74.00	\$ 25,530.00	\$ 28,712.00	\$ 3,182.00
8	8-inch Gravity Sewer Pipe, PVC (SDR 35), 0-6' depth	LF	282	389	107	\$70.00	\$ 20,440.00	\$ 27,930.00	\$ 7,490.00
9	12-inch Gravity Sewer Pipe (DIP, RCP, PVC), 0-6' depth	LF	242	242	0	\$95.00	\$ 22,990.00	\$ 22,990.00	\$ -
10	12-inch Gravity Sewer Pipe (DIP, RCP, PVC), 6.1'-10' depth	LF	60	59	-1	\$105.00	\$ 6,300.00	\$ 6,195.00	\$ (105.00)
11	15-inch (RCP, PVC) or 14-inch (DIP) Gravity Sewer Pipe, 0-6' depth	LF	624	626	2	\$105.00	\$ 65,520.00	\$ 65,730.00	\$ 210.00
12	15-inch (RCP, PVC) or 14-inch (DIP) Gravity Sewer Pipe, 6.1'-10' depth	LF	230	235	5	\$115.00	\$ 26,450.00	\$ 27,025.00	\$ 575.00
13	18-inch Gravity Sewer Pipe (DIP, FRP, RCP, PVC), 0-6' depth	LF	146	127	-19	\$125.00	\$ 18,250.00	\$ 15,875.00	\$ (2,375.00)
14	18-inch Gravity Sewer Pipe (DIP, FRP, RCP, PVC), 6.1'-10' depth	LF	576	564	-12	\$135.00	\$ 77,760.00	\$ 76,140.00	\$ (1,620.00)
15	18-inch Gravity Sewer Pipe (DIP, FRP, RCP, PVC), 10.1'-14' depth	LF	152	149	-3	\$155.00	\$ 23,560.00	\$ 23,095.00	\$ (465.00)

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Bld No. 157-2013, RMP No. GR1-WR-10
By: Integrated Engineering, PLLC
18-Jun-15

Free Contracting, Inc.
1620 Old Frankfort Pike
Lexington, KY 40504

BID ITEM NO.	UNIT DESCRIPTION	UNIT	APPROX. QUANTITY BID	ACTUAL QUANTITY INSTALLED	DIFF. OF QUANTITIES	UNIT PRICE	TOTAL AMOUNT BID	ACTUAL INSTALLED AMOUNT	DIFF. OF AMOUNT
16	21-inch (RCP, PVC) or 20-inch (DIP, FRP) Gravity Sewer Pipe, 0-6' depth	LF	236	232	-4	\$135.00	\$ 31,860.00	\$ 31,320.00	\$ (540.00)
17	21-inch (RCP, PVC) or 20-inch (DIP, FRP) Gravity Sewer Pipe, 6.1'-10' depth	LF	978	978	0	\$145.00	\$ 141,810.00	\$ 141,810.00	\$ -
18	21-inch (RCP, PVC) or 20-inch (DIP, FRP) Gravity Sewer Pipe, 10.1'-14' depth	LF	168	176	8	\$165.00	\$ 27,720.00	\$ 29,040.00	\$ 1,320.00
19	24-inch Gravity Sewer Pipe (DIP, FRP, RCP, PVC), 0-6' depth	LF	20	20	0	\$165.00	\$ 3,300.00	\$ 3,300.00	\$ -
20	24-inch Gravity Sewer Pipe (DIP, FRP, RCP, PVC), 6.1'-10' depth	LF	1,034	986	-48	\$185.00	\$ 191,290.00	\$ 182,410.00	\$ (8,880.00)
21	24-inch Gravity Sewer Pipe (DIP, FRP, RCP, PVC), 10.1'-14' depth	LF	1,008	1,041	33	\$215.00	\$ 216,720.00	\$ 223,815.00	\$ 7,095.00
22	24-inch Gravity Sewer Pipe (DIP, FRP, RCP, PVC), greater than 14' depth	LF	140	140	0	\$245.00	\$ 34,300.00	\$ 34,300.00	\$ -
23	24-inch Tee Fittings for Gravity Sewer Lateral Connection (FRP, RCP, PVC, DI)	EA	4	2	-2	\$1,500.00	\$ 6,000.00	\$ 3,000.00	\$ (3,000.00)
24	21-inch Tee Fittings for Gravity Sewer Lateral Connection (FRP, RCP, PVC, DI)	EA	21	22	1	\$1,000.00	\$ 21,000.00	\$ 22,000.00	\$ 1,000.00
25	18-inch Tee Fittings for Gravity Sewer Lateral Connection (FRP, RCP, PVC, DI)	EA	10	10	0	\$700.00	\$ 7,000.00	\$ 7,000.00	\$ -
26	15-inch Tee Fittings for Gravity Sewer Lateral Connection (FRP, RCP, PVC, DI)	EA	9	10	1	\$400.00	\$ 3,600.00	\$ 4,000.00	\$ 400.00
27	12-inch Tee Fittings for Gravity Sewer Lateral Connection (FRP, RCP, PVC, DI)	EA	2	2	0	\$400.00	\$ 800.00	\$ 800.00	\$ -
28	10-inch Tee Fittings for Gravity Sewer Lateral Connection (FRP, RCP, PVC, DI)	EA	2	0	-2	\$300.00	\$ 600.00	\$ -	\$ (600.00)
29	8-inch Tee Fittings for Gravity Sewer Lateral Connection (FRP, RCP, PVC, DI)	EA	2	3	1	\$200.00	\$ 400.00	\$ 600.00	\$ 200.00

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30	36-inch Steel Encasement Pipe, bore and jack	LF	474	460	-14	\$650.00	\$ 308,100.00	\$ 299,000.00	\$ (9,100.00)
31	Connect to existing 8-inch sewer	EA	8	11	3	\$500.00	\$ 4,000.00	\$ 5,500.00	\$ 1,500.00
32	Connect to existing 16-inch sewer	EA	3	4	1	\$1,000.00	\$ 3,000.00	\$ 4,000.00	\$ 1,000.00
33	Partially demolish and fill manhole	EA	13	13	0	\$750.00	\$ 9,750.00	\$ 9,750.00	\$ -
34	Install 6-inch Cleanout (HS 20 Rated for Traffic Loading)	EA	6	6	0	\$1,000.00	\$ 6,000.00	\$ 6,000.00	\$ -
35	Install 6-inch Cleanout	EA	42	46	4	\$400.00	\$ 16,800.00	\$ 18,400.00	\$ 1,600.00
36	Standard Manhole, 4-foot diameter (depth 5.1 to 6.0 ft)	EA	8	7	-1	\$2,500.00	\$ 20,000.00	\$ 17,500.00	\$ (2,500.00)
37	Standard Manhole, 4-foot diameter (depth 6.1 to 10.0 ft)	EA	19	22	3	\$3,000.00	\$ 57,000.00	\$ 66,000.00	\$ 9,000.00
38	Standard Manhole, 4-foot diameter (depth 10.1 to 14.0 ft)	EA	7	7	0	\$3,500.00	\$ 24,500.00	\$ 24,500.00	\$ -
39	Standard Manhole, 4-foot diameter (greater than 14' depth)	EA	2	2	0	\$5,000.00	\$ 10,000.00	\$ 10,000.00	\$ -
40	Standard Manhole, 6-foot diameter (depth to 6.1 to 10.0 ft)	EA	1	1	0	\$5,000.00	\$ 5,000.00	\$ 5,000.00	\$ -
41	Standard Manhole, 6-foot diameter (depth to 10.1 to 14.0 ft)	EA	1	1	0	\$6,500.00	\$ 6,500.00	\$ 6,500.00	\$ -
42	Standard Manhole, 10-foot diameter (6.1' - 10' Depth)	EA	1	1	0	\$15,000.00	\$ 15,000.00	\$ 15,000.00	\$ -
43	Manhole Drop Connection (8"-10")	EA	2	2	0	\$1,000.00	\$ 2,000.00	\$ 2,000.00	\$ -

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18-Jun-15

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44	Manhole Diaphragm, Manhole Anti-Flotation Collar, & Watertight Cover (4-foot diameter Manhole)	EA	14	14	0	\$250.00	\$ 3,500.00	\$ 3,500.00	\$ -
45	Manhole Diaphragm, Manhole Anti-Flotation Collar, & Watertight Cover (10-foot diameter Manhole)	EA	1	1	0	\$250.00	\$ 250.00	\$ 250.00	\$ -
46	Reconnect new MH to existing service lateral	EA	8	8	0	\$600.00	\$ 4,800.00	\$ 4,800.00	\$ -
47	Cut and cap existing 8-inch sewer	EA	4	5	1	\$300.00	\$ 1,200.00	\$ 1,500.00	\$ 300.00
48	Cut and cap existing 16-inch sewer	EA	8	16	8	\$300.00	\$ 2,400.00	\$ 4,800.00	\$ 2,400.00
49	Creek Crossing and Bank / Bed Restoration	LS	1	1	0	\$65,000.00	\$ 65,000.00	\$ 65,000.00	\$ -
50	Video Inspection of new sewer pipe	LF	6,392	6,392.00	0	\$1.00	\$ 6,392.00	\$ 6,392.00	\$ -
51	Tree Removal, > 12-inch diameter	EA	50	50	0	\$1.00	\$ 50.00	\$ 50.00	\$ -
52	#9 or #57 Stone for Shaker Drive Reconstruction (Additional Backfill Allowance - Zone 2)	LS	1	1	0	\$130,000.00	\$ 130,000.00	\$ 130,000.00	\$ -
53	Bituminous Pavement Surface Replacement (Shaker Drive - Zone 3)	SY	4,200	4,200	0	\$29.12	\$ 122,304.00	\$ 122,304.00	\$ -
54	Dense Graded Aggregate (DGA) Replacement Shaker Drive (8" depth) (Zone 3)	SY	4,200	4,200	0	\$9.66	\$ 40,572.00	\$ 40,572.00	\$ -
55	Bituminous Pavement Surface Replacement (Bob-O-Link Drive)	SY	120	67	-53	\$69.66	\$ 8,359.20	\$ 4,667.22	\$ (3,691.98)
56	Dense Graded Aggregate (DGA) Replacement (Bob O Link Drive) (6" depth)	SY	120	20	-100	\$16.16	\$ 1,939.20	\$ 323.20	\$ (1,616.00)
57	Bituminous Pavement Surface Replacement (Rear Parking Lot of 1600, 1604, 1608, 1610, 1614, & 1618 Harrodsburg Rd)	SY	450	1,099	649	\$23.98	\$ 10,791.00	\$ 26,354.02	\$ 15,563.02

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58	Bituminous Pavement Surface & Binder Replacement (Rear Parking Lot of 1600, 1604, 1608, 1610, 1614, & 1618 Harrodsburg Rd)	SY	250	0	-250	\$46.09	\$ 11,522.50	\$ -	\$ (11,522.50)
59	Bituminous Pavement Surface & Binder Replacement (Driveway of 586 Bob-O-Link Drive)	SY	130	0	-130	\$75.06	\$ 9,757.80	\$ -	\$ (9,757.80)
60	Bituminous Pavement Surface Replacement (Driveway4 of 586 Bob-O-Link Drive)	SY	85	125	30	\$74.46	\$ 7,073.70	\$ 9,307.50	\$ 2,233.80
61	Bituminous Pavement Surface & Binder Replacement (Driveway of 345 Bob-O-Link Drive)	SY	10	37	27	\$280.08	\$ 2,800.80	\$ 10,362.96	\$ 7,562.16
62	Bituminous Pavement Surface Replacement (Driveway of 345 Bob-O-Link Drive)	SY	330	355	25	\$41.73	\$ 13,770.90	\$ 14,814.15	\$ 1,043.25
63	Asphalt Pavement Milling, 1.5 - inch Depth	SY	10	47	37	\$143.11	\$ 1,431.10	\$ 6,726.17	\$ 5,295.07
64	20 ft x 40 ft Paved Truck Turnaround (345 Bob-O-Link)	SY	90	90	0	\$113.96	\$ 10,256.40	\$ 10,256.40	\$ -
65	Roadway Striping	LF	1,100	1,100	0	\$1.30	\$ 1,430.00	\$ 1,430.00	\$ -
66	Storm Sewer Replacement (12"), RCP	LF	48	0	-48	\$55.00	\$ 2,640.00	\$ -	\$ (2,640.00)
67	Storm Sewer Replacement (15"), RCP	LF	56	8	-48	\$60.00	\$ 3,360.00	\$ 480.00	\$ (2,880.00)
68	Storm Sewer Replacement (24"), RCP	LF	24	52	28	\$70.00	\$ 1,680.00	\$ 3,640.00	\$ 1,960.00
69	Storm Sewer Replacement (30"), RCP	LF	48	0	-48	\$85.00	\$ 4,080.00	\$ -	\$ (4,080.00)
70	Storm Sewer Replacement (36"), RCP	LF	32	0	-32	\$95.00	\$ 3,040.00	\$ -	\$ (3,040.00)
71	Seeding, Temporary, Extra as directed by Engineer	SY	100	0	-100	\$0.40	\$ 40.00	\$ -	\$ (40.00)

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72	Seeding, Permanent	SY	19,500	19,500	0	\$0.50	\$ 9,750.00	\$ 9,750.00	\$ -
73	Monolithic Concrete Curb & Gutter Replacement	LF	100	249	149	\$25.00	\$ 2,500.00	\$ 6,225.00	\$ 3,725.00
74	Concrete Curb Replacement	LF	10	0	-10	\$20.00	\$ 200.00	\$ -	\$ (200.00)
75	Bituminous Curb Replacement	LF	10	0	-10	\$20.00	\$ 200.00	\$ -	\$ (200.00)
76	Dense Graded Aggregate - DGA, Extra as directed by Engineer	Ton	10	22.20	12	\$25.00	\$ 250.00	\$ 555.00	\$ 305.00
77	No. 9 Crushed Stone, Extra as directed by Engineer	Ton	10	57	47	\$25.00	\$ 250.00	\$ 1,425.00	\$ 1,175.00
78	No. 57 Crushed Stone, Extra as directed by Engineer	Ton	10	0	-10	\$24.00	\$ 240.00	\$ -	\$ (240.00)
79	No. 2 Crushed Stone, Extra as directed by Engineer	Ton	10	0	-10	\$24.00	\$ 240.00	\$ -	\$ (240.00)
80	Concrete Sidewalk - 4.5 - Inch thick	SY	32	32	0	\$45.00	\$ 1,440.00	\$ 1,440.00	\$ -
81	4.0 ft. Chain Link Fence	LF	600	417	-183	\$25.00	\$ 15,000.00	\$ 10,425.00	\$ (4,575.00)
82	Safety Fence	LF	100	0	-100	\$3.00	\$ 300.00	\$ -	\$ (300.00)
83	Bypass Pumping Setup, <12-inch Sewer Line	EA	8	11	3	\$1,000.00	\$ 8,000.00	\$ 11,000.00	\$ 3,000.00
84	Bypass Pumping Setup, ≥15-Inch <18-Inch Sewer Line	EA	12	21	9	\$1,000.00	\$ 12,000.00	\$ 21,000.00	\$ 9,000.00
85	Bypass Pumping, <12-inch Sewer Line	HR	160	79	-81	\$8.00	\$ 1,280.00	\$ 632.00	\$ (648.00)

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86	Bypass Pumping, ≥15-inch <18-inch Sewer Line	HR	700	309	-391	\$10.00	\$ 7,000.00	\$ 3,090.00	\$ (3,910.00)
87	Picadome Golf Course Restoration	LS	1	1	0	\$85,000.00	\$ 85,000.00	\$ 85,000.00	\$ -
88	Reconstruction of Concrete Manhole Spillway (380 Bob-O-Link Drive)	LS	1	1	0	\$5,000.00	\$ 5,000.00	\$ 5,000.00	\$ -
89	Miscellaneous Construction Items (1604, 1606, 1610, 1614, and 1618 Harrodsburg Road)	LS	1	1	0	\$15,000.00	\$ 15,000.00	\$ 15,000.00	\$ -
90	Road ramps (as directed by Engineer)	EA	1	0	-1	\$500.00	\$ 500.00	\$ -	\$ (500.00)
91	SSC Site Cleanup	EA	1	0	-1	\$750.00	\$ 750.00	\$ -	\$ (750.00)
92	Maintenance of Traffic	LS	1	1	0	\$20,000.00	\$ 20,000.00	\$ 20,000.00	\$ -
93	Combination Vacuum/Hydraulic Jet/Hydro Excavator, extra as directed by Engineer	HR	10	0	-10	\$200.00	\$ 2,000.00	\$ -	\$ (2,000.00)
94	Backhoe/Extend-a-hoe, extra as directed by Engineer	HR	150	0	-150	\$15.00	\$ 2,250.00	\$ -	\$ (2,250.00)
95	Hoe Ram, extra as directed by Engineer	HR	10	0	-10	\$100.00	\$ 1,000.00	\$ -	\$ (1,000.00)
96	Dump Truck, Single Axle, extra as directed by Engineer	HR	10	0	-10	\$50.00	\$ 500.00	\$ -	\$ (500.00)
97	Dump Truck, Tandem or Tri-Axle, extra as directed by Engineer	HR	10	1	-9	\$70.00	\$ 700.00	\$ 70.00	\$ (630.00)
98	Large Track Hoe, CAT 311 or Equivalent, extra as directed by Engineer	HR	10	2	-8	\$80.00	\$ 800.00	\$ 160.00	\$ (640.00)
99	Small Track Hoe, CAT 301.6C or Equivalent, extra as directed by Engineer	HR	10	0	-10	\$50.00	\$ 500.00	\$ -	\$ (500.00)

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100	Skid-Steer Loader, extra as directed by Engineer	HR	10	6	-4	\$50.00	\$ 500.00	\$ 300.00	\$ (200.00)
101	Roller/Compactor, extra as directed by Engineer	HR	10	0	-10	\$50.00	\$ 500.00	\$ -	\$ (500.00)
102	Traffic Maintenance - Type 1 (Flagger), extra as directed by Engineer	HR	10	0	-10	\$55.00	\$ 550.00	\$ -	\$ (550.00)
103	Electronic Arrow Board, extra as directed by Engineer	HR	10	0	-10	\$10.00	\$ 100.00	\$ -	\$ (100.00)
104	Electronic Message Board, extra as directed by Engineer	WK	10	5	-5	\$500.00	\$ 5,000.00	\$ 2,500.00	\$ (2,500.00)
B1	Rock Removal (Mechanical Methods Only)	CY	2650	771	-1879	\$0.01	\$ 26.50	\$ 77.1	\$ (18.79)
CO 1	Change Order 1	LS	1	1	0	\$43,165.94	\$ -	\$ 43,165.94	\$ 43,165.94
Totals							\$2,346,342.10	\$ 2,386,237.27	\$ 39,895.17
Current Contract Amount								\$ 2,389,508.04	
Change In Contract Amount								\$ (3,270.77)	