



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: March 3, 2015

Re: Change Order 1 – Bob-O-Link Trunk Sewer RMP Project

This memorandum is to notify the Urban County Council of Change Order 1 for the Bob-O-Link Trunk Sewer Replacement Remedial Measure Project. Under 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 1 is detailed in the attached Exhibit A. The result of the adjustment is to increase the original contract amount by \$43,165.94 or 1.8%.

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: 1  
Applicable Tier: 2

**CHANGE ORDER DETAILS**

Contract Amount	<u>\$2,346,342.10</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>\$43,165.94</u>	Change in Contract Time	<u>0</u>
New Contract Amount:	<u>\$2,389,508.04</u>	New Contract Time	<u>0</u>

**JUSTIFICATION FOR CHANGE ORDER**

Please See EXHIBIT "A" for the change order log describing the items within Change Order 1.

**REQUIRED SIGNATURES**

Tier 1  2-24-15  
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**

\_\_\_\_\_  
Employee Submitting Notification Date



**EXHIBIT 'A'**

**Bob-O-Link Trunk Sewer Replacement - Change Order Log**

Change Order Item	Description	Justification	Date Submitted	Engineer's Recommendation	Lexington's Approval	Contractor's Acceptance	Change in Time	Change in Price
1	474 Linear Feet of 24" SDR35 Carrier Pipe	Carrier Pipe was not included in the unit description of Bid Item #30 and in the Measurement and Payment of the Contract Documents.	4/10/2014	4/16/2014	4/16/2014	5/6/2014	0.00	\$ 21,367.92
2	(2) Project Monster Color Project Signs	LFUCG requested the placement of (2) 4ft x 8ft Monster Color Project Signs to be placed adjacent to the existing project identification signs for additional public exposure.	4/9/2014	4/9/2014	4/16/2014	5/6/2014	0.00	\$ 730.00
3	Additional 10.7 feet of steel casing pipe to extend from limits of bore & jack of west side of Harrodsburg Road to MH D-10	This is to protect the small amount (10.7 ft) of PVC SDR 35 carrier pipe from the Harrodsburg Road casing pipe to the outside face of MH D-10 because of its depth of pipe beneath Shaker Drive.	6/3/2014	6/3/2014	6/3/2014	6/3/2014	0.00	\$ 4,890.00
4	Credit for "sprigging" of bermuda grass in lieu of "placing" bermuda sod in the impacted fairways of Picadome Golf Course	This is due to Grassmasters Sod Farms having issues with the placement of the bermuda sod. Mike Fields with LFUCG Parks recommended allowing the "sprigging" of the bermuda in the essence of time. This credit is from the "sprigging" of the bermuda being less expensive than the placement of the bermuda sod.	7/9/2014	7/9/2014	7/9/2014	7/9/2014	0.00	\$ (5,400.00)
5	Replacement of existing concrete apron into St. Joseph Office Park - Building D located at station 18+50 of the construction plans.	This is due to the existing concrete gutter associated with the apron for Building D being at a higher elevation after the removal of approximately 4.5 inches of asphalt on the existing concrete gutter that is directly upstream of the entrance. The apron needs modified so that the existing concrete gutter will have continuity in the stormwater flow line leading to the storm inlet.	8/20/2014	8/20/2014	8/20/2014	8/20/2014	0.00	\$ 4,560.00
6	Coring of Manhole D-20	During the construction phase it was discovered that the existing 8-inch sanitary sewer entering Manhole D-20 was actually a 10-inch sanitary sewer. Thus the coring of the newly manufactured manhole is to accommodate the larger sanitary sewer lateral coming into the trunk sewer.	8/28/2014	8/28/2014	8/28/2014	8/28/2014	0.00	\$ 542.94
7	Re-Use of Cone Section & Castings for Manhole F-2	This credit is associated with the cone section and castings for Manhole F-2 that were newly manufactured and re-used for the Bob O Link Trunk Sewer Replacement Project. A new manhole base was manufactured for MH F-2 because the newly manufactured base that was made per the construction plans was to accommodate an 8-inch sanitary sewer from Bob O Link Drive. During construction it was discovered that the 8-inch sanitary sewer had a reducer fitting that connected to a 12-inch sanitary sewer line along Bob O Link Drive. Thus the need to a new manhole base. An additional manhole F-2 will be added to the unit bids thus the need for the credit because only the base was re-manufactured and the cone and castings were re-used.	8/28/2014	8/28/2014	8/28/2014	8/28/2014	0.00	\$ (449.44)

**EXHIBIT "A"**

**Bob-O-Link Trunk Sewer Replacement - Change Order Log**

Change Order Item	Description	Justification	Date Submitted	Engineer's Recommendation	Lexington's Approval	Contractor's Acceptance	Change in Time	Change in Price
8	Additional Material Costs for Heavier Wall PVC Pipe (SDR 35 to SDR 26)	LFUCG standards require that PVC sanitary sewer pipe buried less than 10 feet be SDR 35 stiffness and if deeper than 10 feet be SDR 26 stiffness. During the design phase the quantities of the different depths of pipe were determined from its "True" linear footages that were deeper than 10 feet per the profile instead of the overall distances from manhole to manhole. During the construction phase it was determined that there was a wall thickness difference between the SDR 35 and SDR 26 PVC pipes that would cause a lip at the joint if the two were connected together. Thus it was decided that if the depth of pipe between two manholes was greater than 10 feet the entire run of PVC pipe from manhole to manhole would be SDR 26. Thus there ended up being a greater amount of SDR 26 PVC pipe material than anticipated.	10/16/2014	10/16/2014	10/16/2014	10/16/2014	0.00	\$ 2,185.22
9	Rework Manhole D-28 & Rehabilitate Existing Manhole WR4_27	During the construction phase it was discovered that the existing lateral feeding existing MH WR4_27 served more than two properties. Because of this it was decided that the existing MH WR4_27 will need to be rehabilitated rather than being removed. Also MH D-28 will need to be modified to accommodate the line coming from MH WR4_27. Thus this change order is to rehabilitate MH WR4_27 (MH D-28), core out a new hole, and reconfigure a new bench to accommodate the existing sanitary service to the impacted properties.	10/21/2014	11/4/2014	11/4/2014	11/4/2014	0.00	\$ 5,859.00
10	Construction of Additional Storm Drain @ Shaker Drive and Mason Headley Road	After the reconstruction of Shaker Drive it was discovered that a low spot was holding water along the western gutterline of Shaker Drive. In looking at pre-construction photos it was determined to be stormwater issue that existed prior to construction. Thus it was decided to construct a concrete flume storm inlet to direct the stormwater into an existing storm sewer system.	11/12/2014	11/13/2014	11/18/2014	11/18/2014	0.00	\$ 6,328.45
11	Construction of Yard Inlet Between Rear Yards of 364 & 362 Bob O Link Drive	During the reconstruction phase it was discovered that a low spot was holding water in the rear yards of 364 & 362 Bob-O-Link Drive. This situation was brought to our attention by the property owners to be mitigated during the final site restoration phase that will take place in the springtime. Thus it was decided to construct a yard inlet and small stormwater pipe to direct the stormwater from the low spot between the rear yards to outlet to the nearby creek.	2/12/2015	2/12/2015	2/12/2015	2/12/2015	0.00	\$ 2,551.85
<b>Total</b>							<b>0</b>	<b>\$ 43,165.94</b>