
MEMORANDUM

TO: RANDY HILL, PUBLIC WORKS DIRECTOR

FROM: JON LUTZ, CITY ENGINEER

SUBJECT: MAD CREEK SEWER EXTENSION PROJECT
CHANGE ORDER #2

DATE: JUNE 17, 2013

INTRODUCTION:

The City of Muscatine has contracted with Cornerstone Excavating in the amount of \$994,414.75 for the Mad Creek Sewer Extension Project. Change order 1 decreased the contract amount to \$964,639.75. Unanticipated items encountered along the project requiring additional work items are grouped as change order 2. No other change orders are anticipated on this project.

BACKGROUND:

Access for maintenance is required along the entire project route. Several small ditch crossings required culverts for access. Tile is necessary to for subsurface drainage in one area to facilitate access. At the Ripley area tie in locations, an existing sewer splitter manhole required removal and two outside manhole drops and temporary diversion piping were required. Total construction cost including 2 change orders and other adjustments is expected to be approximately \$962,000 which is \$32,414.75 less than the contract amount. The project is substantially complete with minor punch list items remaining.

Add item to the contract, No. C4, 24" HDPE culvert, 60 LF
Add item to the contract, No. C5, 24" HDPE culvert couplings, 2 EACH
Add item to the contract, No. C6, 4" perforated subdrain, 500 LF
Add item to the contract, No. C7, 4" outlet w/ rodent guard, 2 EACH
Add item to the contract, No. C8, 8" DIWM outside drop, 2 EACH
Add item to the contract, No. C9, 8" PVC diversion piping, 1 EACH
Add item to the contract, No. C10, Removal of manhole, 1 EACH
Add item to the contract, No. C11, 15" HDPE culvert, 20 LF

RECOMMENDATION/RATIONALE:

The city engineer recommends approving change order 2 for a net increase of \$16,182.00 resulting in a contract total of \$980,821.75

ADDITIONAL INFORMATION:

1. Change Order 2



City of Muscatine

Mad Creek Sewer Extension Project Change Order #2

Project: Mad Creek Sewer Extension Project
Contractor: Cornerstone Excavating, Inc.

Account No.: 4294.4294.73100
Date Prepared: June 10, 2013

Description of changes to be made:

- Adds item to the contract, No. C4, 24" HDPE CULVERT
- Adds item to the contract, No. C5, 24" HDPE CULVERT COUPLINGS
- Adds item to the contract, No. C6, 4" PERFORATED LONGITUDINAL SUBDRAIN W/SOCK
- Adds item to the contract, No. C7, 4" OUTLET PIPE W/RODENT GUARD
- Adds item to the contract, No. C8, 8" DIWM OUTSIDE DROP ASSEMBLY, INSTALLED
- Adds item to the contract, No. C9, 8" PVC DIVERSION PIPING, RECONNECTION
- Adds item to the contract, No. C10, REMOVAL OF EXISTING MANHOLE
- Adds item to the contract, No. C11, 15" HDPE CULVERT

Reasons for change or extra work:

- 24" HDPE Culverts and couplings – Ditch drain between #31 & #32; at MH#16 for vehicle crossing
- 4" Longitudinal subdrain w/rodent guards – Drain water between #23 and #22 into the creek
- 8" DIWM Outside drops – Provide two (2) tie-in locations for Ripley sewer system @ #30 and #34
- 8" PVC Diversion piping – Temporary installation to divert live Ripley sewer during MH#30 installation
- Removal of existing manhole – Removal of existing manhole to install new MH#30
- 15" HDPE Culvert – Replace existing 15" drain @ MH#30

Settlement of the cost of materials is to be made as follows:

ITEMS TO BE ADDED TO THE CONTRACT					
ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	ITEM PRICE
C4	24" HDPE CULVERT	60	LF	\$37.50	\$2,250.00
C5	24" HDPE CULVERT COUPLINGS	2	EACH	\$40.00	\$80.00
C6	4" PERFORATED SUBDRAIN	500	LF	\$7.80	\$3,900.00
C7	4" OUTLET W/RODENT GUARD	2	EACH	\$200.00	\$400.00
C8	8" DIWM OUTSIDE DROP	2	EACH	\$2,477.00	\$4,954.00
C9	8" PVC DIVERSION PIPING	1	EACH	\$1,225.00	\$1,225.00
C10	REMOVAL OF MANHOLE	1	EACH	\$2,900.00	\$2,900.00
C11	15" HDPE CULVERT	20	LF	\$23.65	\$473.00
TOTAL ADDITIONS					\$16,182.00

City Engineer

Date

Public Works Director

Date

Receipt is acknowledged of this change and terms of settlement are hereby agreed to:

Contractor

Date