
MEMORANDUM

TO: RANDY HILL, PUBLIC WORKS DIRECTOR

FROM: JON LUTZ, CITY ENGINEER

SUBJECT: FOREST PARKWAY RECONSTRUCTION PROJECT
CHANGE ORDER 1

DATE: SEPTEMBER 12th, 2014

INTRODUCTION:

The City of Muscatine approved a contract with Heuer Construction for the Forest Parkway Reconstruction Project on October 4th, 2014 for \$163,526.34. Conditions encountered during construction required additional treatment not included in the original bid items. Ground conditions could not adequately provide support for construction equipment or provide long term stability for the finished roadway. Site photos are attached.

BACKGROUND:

High water table was encountered after the roadway was excavated to subgrade level. To address the excess water, standard longitudinal tile was installed as called for in the plans with additional lines behind the curbs in some areas where water was flowing freely from the embankment onto the grade. The rock base thickness was increased from 12 inches to 16 inches on most of the project. The extra rock thickness and excavation was allowed for in the contract quantities. To obtain adequate surface stability during construction, standard polymer grid was installed on all of the dirt subgrade before rock placement. Additional longitudinal joints are necessary along the curbs on this project to prevent irregular cracking. Additional tile length of approximately 300 feet will be added at the contract price of \$6.20. No bid items for the grid or joints were included in the contract, therefore a change order is required.

1. Add 2544 SY of polymer grid at \$3.00 per SY	\$7,632.00
2. Add 1160 LF of longitudinal joints at \$2.30 per LF	\$2,668.00
Total	\$10,300.00

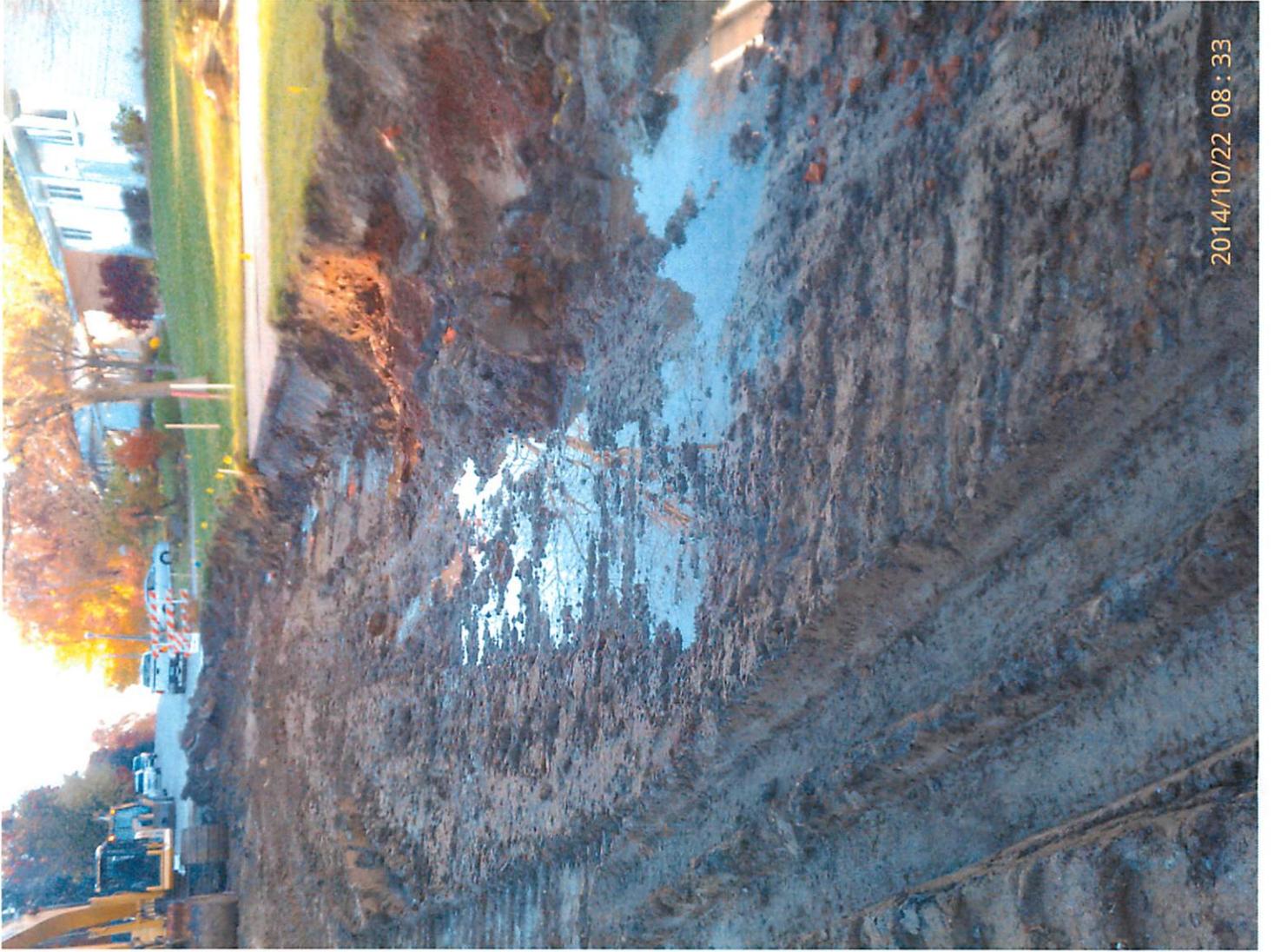
RECOMMENDATION/RATIONALE:

The city engineer recommends approving change order 1 in the amount of \$10,300.00 for the Forest Parkway Reconstruction Project at the November 6th Council meeting.

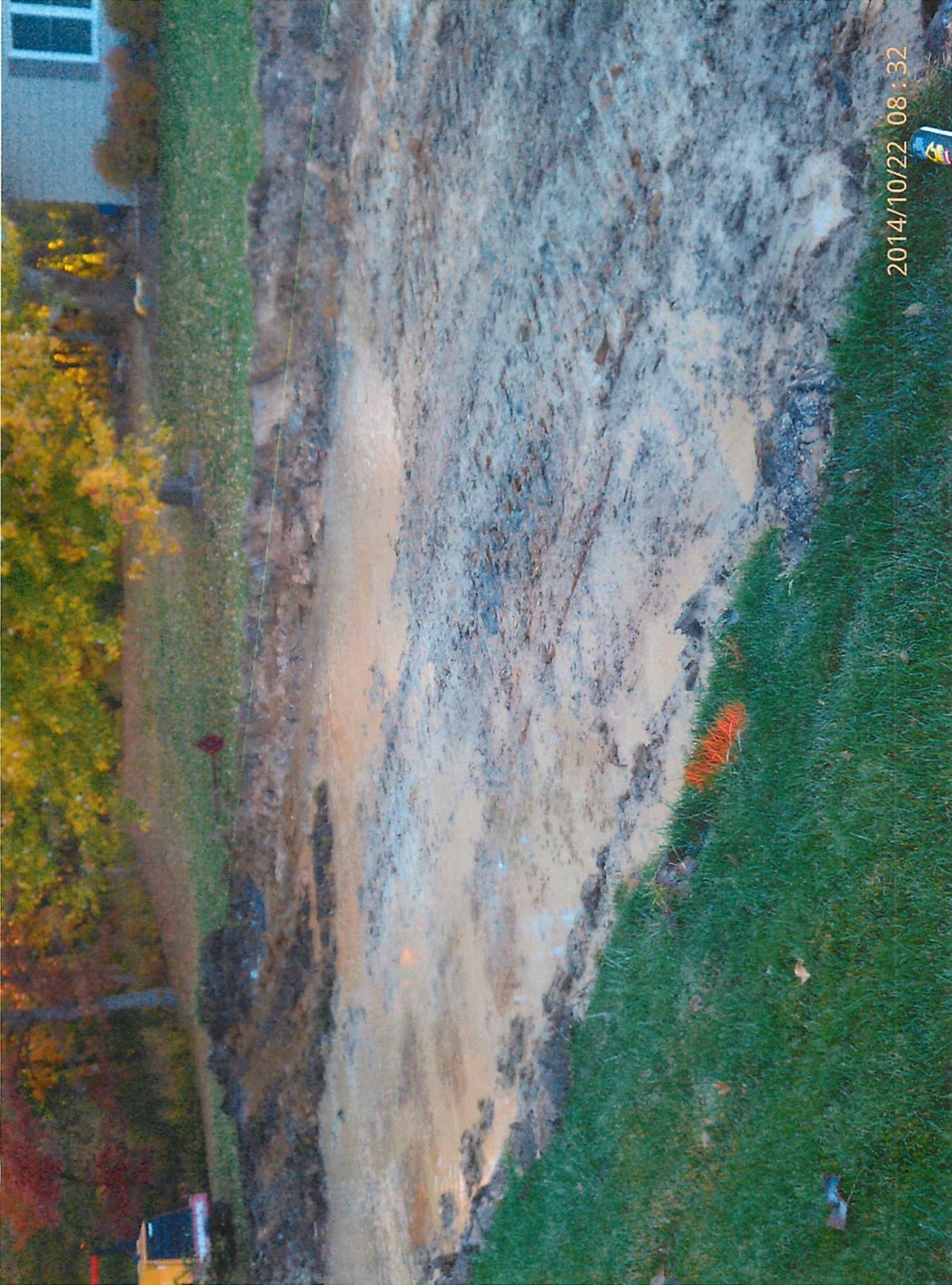
ADDITIONAL INFORMATION:

1. Change order 1
2. Site Photos





2014/10/22 08:33



2014/10/22 08:32



2014/10/18 12:35



2014/10/17 09:22