City of Hiawatha
Engineering Department
101 Emmons St., Hiawatha Iowa, 52233-1697
PHONE (319) 393-1515 ext. 511 FAX (319) 393-1516

To: Mayor and City Council

Date: June 13, 2019

From: John C Bender PE, City Engineer

Re: Professional Services Amendment with MSA Professional Services (Attached)

Description: Edgewood Road Sewer Extension and Mitchell Drive Forcemain Replacement

Report:

The Edgewood Road sewer extension approximately 2000 feet south of Hunt Road was bid on October 18, 2018. Maxwell Construction from Iowa City was unable to proceed with the project as planned because shallow bedrock was discovered just below the surface. We have looked at several options to relocate the sewer, but several tests revealed additional bedrock which will be cost prohibitive to proceed.

For that reason, we have asked MSA Professional Services to prepare an amendment to their current contract, approved in February of 2018, to do additional soil tests and prepare alternative designs to complete this sewer extension. We have several options we are considering.

The attached amendment includes:

- Contract with Terracon for 5 additional soil borings,
- Develop alternative designs to avoid shallow bedrock,
- Revise plan sheets to identify best alternative,
- Develop cost opinion to revise the construction plans,
- Prepare technical memo to develop contractor change order documents.

We will develop a revised plan and bring the new plan back to Council before we approve any change orders with the Contractor. Engineering recommends approval of the contract amendment.

Amendment No. 2

To: **City of Hiawatha**
John Bender, City Engineer
101 Emmons Street
Hiawatha, IA 52233

Date of Issuance: **June 19th, 2019**

MSA Project No.: **07808019**

This is an amendment to the Agreement dated February 7, 2018 and does acknowledge that MSA Professional Services, Inc. (MSA) is authorized to begin work on the following project amendment:

Project Name: Hiawatha Sanitary Sewer Extension and Forcemain Replacement

The project scope has changed due to: Sanitary Sewer Realignment Additional Services

The scope of the work authorized is:

1) Realign sanitary sewer to avoid shallow bedrock on the east side of Edgewood Road and assist in change order discussions with contractor. Provide memo evaluating alternatives. Revise plan sheets to move sanitary sewer west for a future connection to the Rolling Prairie 2nd development. Additional project coordination with City and contractors and have subconsultant perform additional auger borings to confirm bedrock (see attached proposal).

The estimated fee for the work:

$6,975 (MSA additional design, alternative analysis, & coord. JTD)
$2,800 (estimated MSA coord. & project management to completion)
$2,950 (additional Terracon Auger Borings)
$12,725 (Total estimated fee)

Authorization for the work described above shall amend the Agreement between MSA and OWNER. Attachments or exhibits referenced in this Amendment are made part of the Agreement. Payment for these services will be on a time and materials basis.

Approval: MSA shall commence work on this project in accordance with your written authorization. This authorization is acknowledged by signature of the authorized representatives of the parties to this Amendment. A copy of this Amendment signed by the authorized representatives shall be returned for our files.

CITY OF HIAWATHA

_____
Bill Bennett
Mayor
Date:_____

101 Emmons Street
Hiawatha, IA 52233
Phone: 319-393-1515
Fax: 319-393-1516

MSA PROFESSIONAL SERVICES, INC.

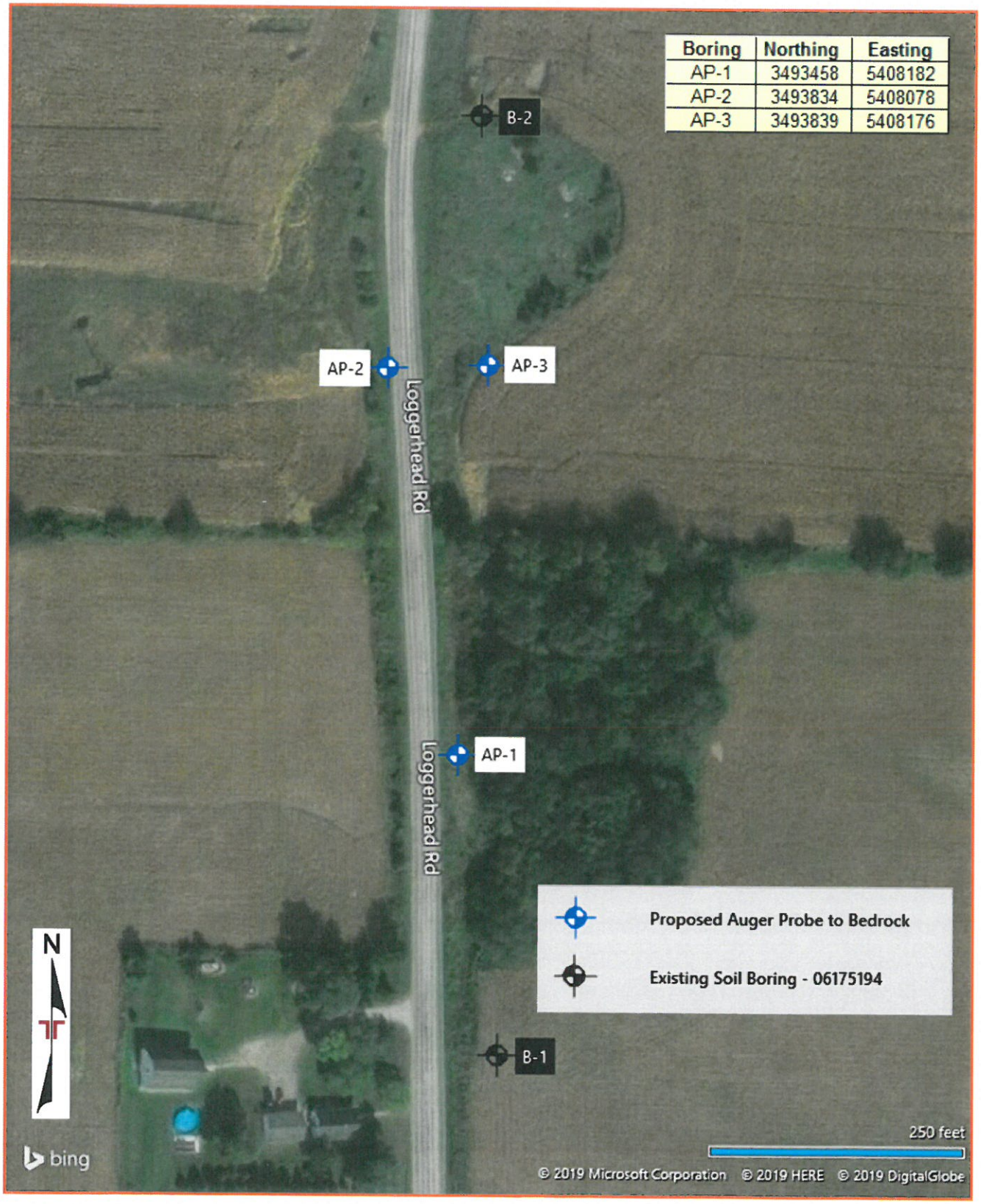
_____
Joe Elsinger, PE
Team Leader
Date: 6/13/19

6045 Rockwell Drive NE, Suite A
Cedar Rapids, IA 52402
Phone: 319-364-4773
Fax: 319-364-2578

EXHIBIT B: ANTICIPATED EXPLORATION PLAN-1

Edgewood Road Sewer Extension - 2018 ■ Hiawatha, Iowa
June 10, 2019 ■ Terracon Project No. 06175194.03

Terracon GeoReport



Boring	Northing	Easting
AP-1	3493458	5408182
AP-2	3493834	5408078
AP-3	3493839	5408176

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS

EXHIBIT B: ANTICIPATED EXPLORATION PLAN-2

Edgewood Road Sewer Extension - 2018 ■ Hiawatha, Iowa
June 10, 2019 ■ Terracon Project No. 06175194.03

Terracon GeoReport

Boring	Northing	Easting
AP-4	3494988	5408159
AP-5	3495038	5408158

DIAGRAM IS FOR GENERAL LOCATION ONLY, AND IS NOT INTENDED FOR CONSTRUCTION PURPOSES

AERIAL PHOTOGRAPHY PROVIDED BY MICROSOFT BING MAPS

RESOLUTION NO. 19-
City Council

RESOLUTION APPROVING AMENDMENT #2 TO THE PROFESSIONAL SERVICES AGREEMENT BETWEEN THE CITY OF HIAWATHA AND MSA PROFESSIONAL SERVICES, INC. IN CONNECTION WITH THE 2018 EDGEWOOD ROAD SEWER EXTENSION AND MITCHELL DRIVE FORCEMAIN REPLACEMENT PROJECT

BE IT RESOLVED BY THE CITY COUNCIL OF THE CITY OF HIAWATHA, IOWA, that the Mayor is hereby authorized to sign Amendment #2 to the Professional Services Agreement between the City of Hiawatha and MSA Professional Services, Inc. for the following purposes and under the following terms:

for additional engineering services necessary to do additional soil tests and prepare alternate designs to avoid shallow bedrock to complete the sewer extension, resulting in additional cost to the Agreement in the total amount of $12,725.00, as shown in the attached Exhibit 'A', and an updated total project cost not to exceed $81,725.00. The Professional Services Agreement for the design of the 2018 Edgewood Road Sewer Extension and Mitchell Drive Forcemain Replacement Project was approved by City Council Resolution #18-010 on February 7, 2018.

AYES:
NAYS:

PASSED AND APPROVED this 19th day of June, 2019.

_____
Bill Bennett, Mayor

ATTEST:

_____
Amy Scheer, Deputy City Clerk