

**Purchasing Division** 

## ADDENDUM NO. 5

# DATE:February 21, 2023FROM:City of Grand Junction Purchasing DivisionTO:All OfferorsPE:IER 5176 22 DD Burdy Mage Eleviling Process

RE: IFB-5176-23-DD Purdy Mesa Flowline Pressure Control Tank

Offerors responding to the above referenced solicitation are hereby instructed that the requirements have been clarified, modified, superseded, and supplemented as to this date as hereinafter described.

Please make note of the following clarifications:

- **1. Question:** Is there a soils report available for the site? In working with Steel Tank Subs, they are requesting this as well.
  - Answer: The study located in the link is what we have for this area. <u>Pit 8</u> is relevant to the site for this Project.
     <u>NOTE:</u> If a steel tank bid alternate is selected, the city may conduct an additional geotechnical investigation at the steel tank sire to correlate the results of the 2018 investigation Pit 8 findings.
     <u>Geotech Report Sullivan Draw IFB-5176-23-DD.pdf</u>
- 2. Question: Do we assume there will be no rock I excavations?
   Answer: The ground is rocky. It is mostly cobble to small boulder. Rock excavation is not anticipated.
- 3. Question: Are there any existing pipe depths available?
   Answer: Assume the old pipe is shallow. Pipe that is new as of 2018 (west of the existing pressure tank) has a minimum bury of 3'.

The original solicitation for the project noted above is amended as noted.

All other conditions of subject remain the same.

Respectfully,

Dolly Daniels, Senior Buyer

City of Grand Junction, Colorado



640 White Avenue Grand Junction, Colorado 81501 Phone: 970-255-8005 Fax: 970-255-6818 Info@huddlestonberry.com

> June 5, 2018 Project#00208-0080

City of Grand Junction Engineering 333 West Avenue, Building C Grand Junction, Colorado 81501

Attention: Mr. John Eklund

Subject: Geotechnical Investigation Purdy Mesa Flowline Whitewater, Colorado

Dear Mr. Eklund,

This letter presents the results of a geotechnical investigation conducted by Huddleston-Berry Engineering & Testing, LLC (HBET) for the Purdy Mesa Flowline project in Whitewater, Colorado. The site location is shown on Figure 1 - Site Location Map. The proposed construction is anticipated to include replacement of approximately 1.25 miles of water pipeline. In addition, a new storage tank is proposed at the east end of the pipeline. The scope of our investigation included collecting subsurface information along the pipeline alignment and tank location for use by consultants on the project.

#### **Subsurface Investigation**

The subsurface investigation included eight test pits along the pipeline and at the proposed tank location as shown on Figure 2 – Site Plan. The test pits were excavated to depths of between 5.0 and 10.0 feet below the existing ground surface. Typed test pit logs are included in Appendix A.

As indicated on the logs, the subsurface conditions along the pipeline were variable. However, Test Pits TP-1 through TP-3, and TP-6, encountered 1.0 to 2.5 feet of sand and clay soils above soft to medium hard, completely to highly weathered shale bedrock to the bottoms of the excavations. Groundwater was not encountered in these pits at the time of the investigation.

In Test Pit TP-4, the weathered shale bedrock was deeper. Brown, moist, medium stiff to stiff sandy lean clay soils with gravel and trace cobbles extended to a depth of 9.0 feet where the shale was encountered. Groundwater was not encountered in TP-4 at the time of the investigation.

In Test Pits TP-5 and TP-7, the shallow soils consisted of dense to very dense cobbles and boulders in matrix soils ranging from sandy gravel to sandy lean clay. In TP-5, the cobble and boulder soils extended to a depth of 6.5 feet where soft to medium hard, weathered shale bedrock was encountered. Backhoe bucket refusal was encountered on a boulder in TP-5 at a depth of 5.0 feet. Groundwater was not encountered in TP-5 or TP-7 at the time of the investigation.

Purdy Mesa Flowline #00208-0080 06/05/18



Test Pit TP-8, conducted at the proposed tank location, encountered tan, moist, dense sandy gravel and cobbles soils from the ground surface to the bottom of the excavation. Groundwater was not encountered in TP-8 at the time of the investigation.

#### Laboratory Testing

Laboratory testing was conducted on samples of the native soils encountered in the test pits. The testing included grain size analysis, Atterberg limits determination, natural moisture content determination, and maximum dry density and optimum moisture content (Proctor) determination. The laboratory testing results are included in Appendix B.

The laboratory testing results indicate that native clay soils are moderately plastic. Due to the presence of larger particles, undisturbed samples of the clay were unable to be collected for swell/consolidation testing. However, based upon the plasticity of the material and upon our experience with similar soils in the area, the native clay soils are anticipated to be slightly expansive.

### **General Notes**

The information included above is based upon the results of the subsurface investigation and on our local experience. This information is valid only for the proposed construction.

In addition, as discussed previously, the subsurface conditions across the site were variable. However, the precise nature and extent of subsurface variability may not become evident until construction. HBET should be contacted to evaluate the subgrade conditions where significant subsurface variations beyond those outlined above are encountered during construction.

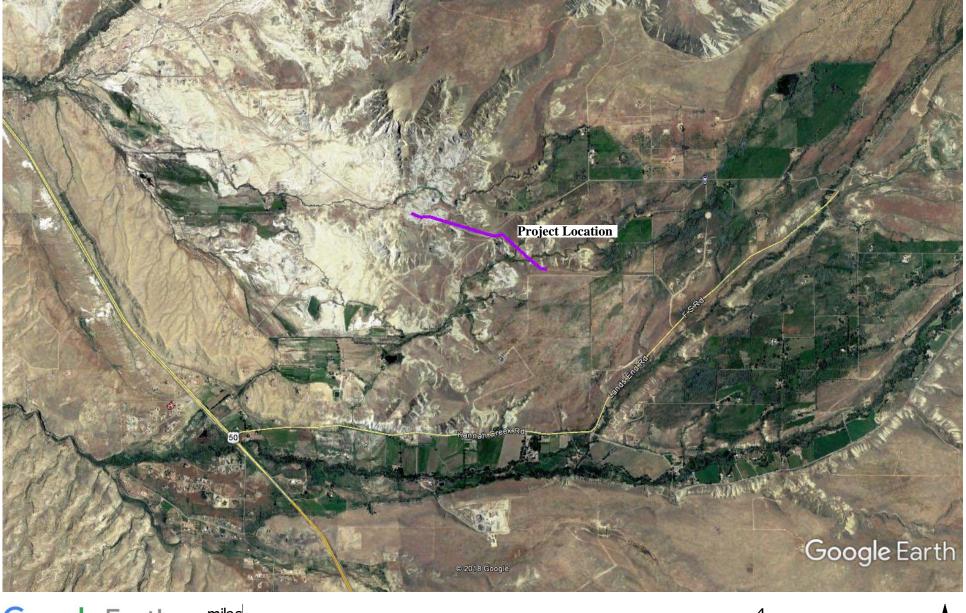
We are pleased to be of service to your project. Please contact us if you have any questions or comments regarding the contents of this report.

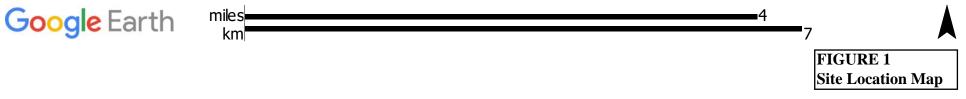
Respectfully Submitted: Huddleston-Berry Engineering and Testing, LLC

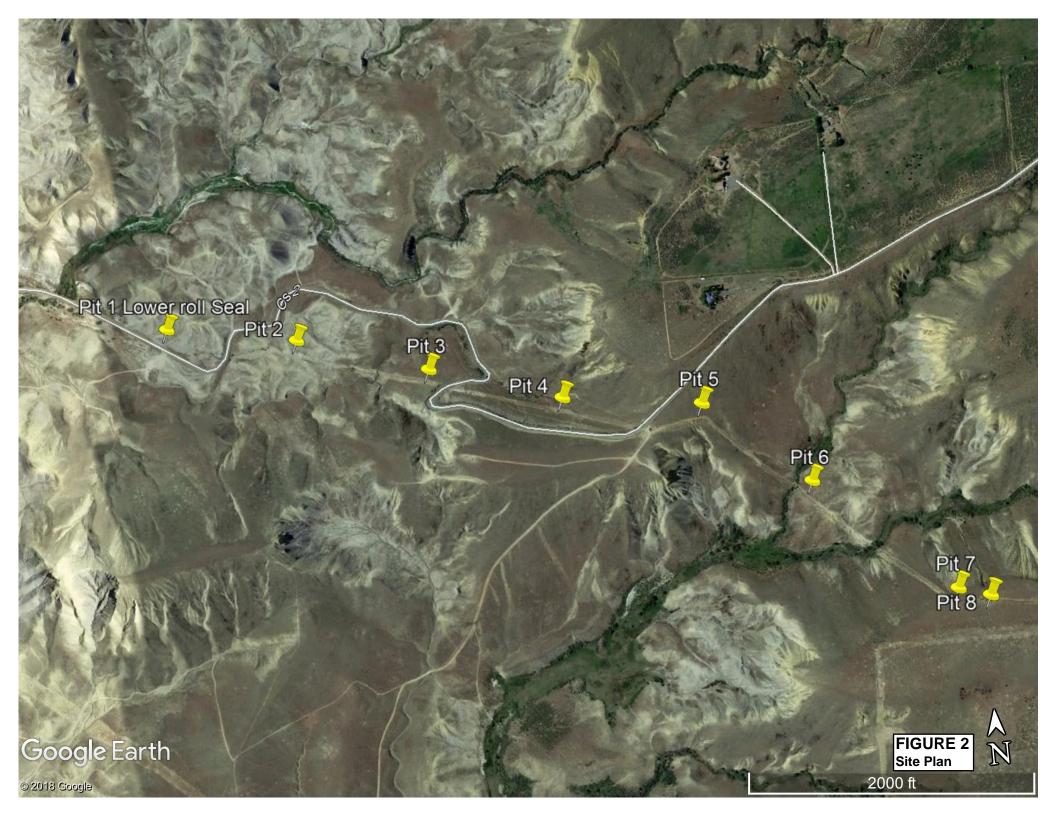


Michael A. Berry, P.E. Vice President of Engineering

FIGURES







APPENDIX A Typed Test Pit Logs

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	JMBER 00208-0080												
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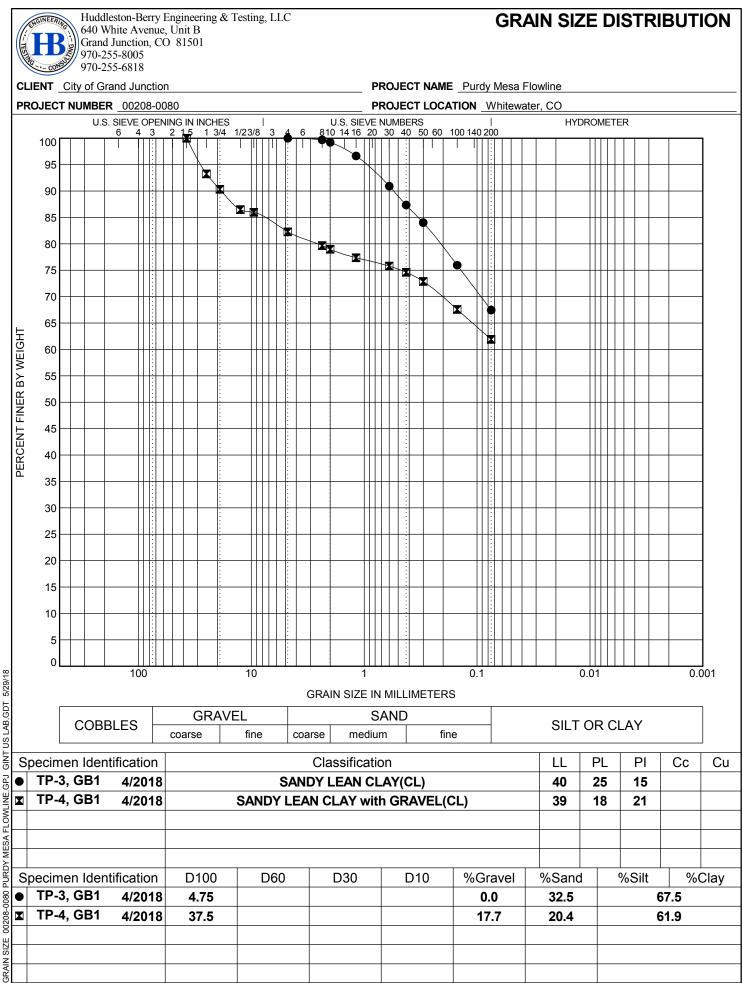
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5.0		SHALE, grey, soft to medium hard, highly weathered											
7.5		Bottom of test pit at 10.0 feet.											

<b>H</b>	Huddleston-Berry Engineering & Testing, LLC 640 White Avenue, Unit B Grand Junction, CO 81501 970-255-8005 970-255-6818				Т	EST	PI	ΓΝ	UME	BER PAGE			
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APPENDIX B Laboratory Testing Results



00208-0080 PURDY MESA FLOWLINE.GPJ

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