



APTIM  
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December 9, 2022

Mr. Aaron Galer  
Senior Environmental Specialist  
Bargath LLC  
295 Chipeta Way #1  
Salt Lake City, UT 84108-1285

RE: Proposal for Site Investigation  
Cottonwood Compressor Station  
Request for Services #1

Dear Mr. Galer:

Aptim Environmental & Infrastructure, LLC. presents this proposal for environmental services for the Cottonwood compressor station. During installation of cathodic protection borings, hydrocarbon impacts were observed to the west of the compressor building. While the cathodic protection borings were advanced to 30 feet below grade, the extent of impacts vertically and horizontally is not known. This scope of work will assess the extent of contamination with the conditions of approval (COA) from COGCC.

### **Scope of Work**

The following tasks will be performed for this scope of work:

- APTIM will prepare a site-specific health and safety plan to govern safe work practices.
- APTIM will work with Williams to prepare the Work Plan documentation for Williams' operations.
- APTIM will procure the appropriate drilling subcontractors to complete the soil sampling and potential well installation work.
- One Call will be contacted prior to the initiation of field activities to have public utilities identified.
- APTIM will advance one background hand auger boring to a depth of three feet below grade. One soil sample will be collected for COGCC Table 915-1 parameters of EC, SAR, pH and metals analyses. The selected location must be away from operations yet representative of soil conditions.
- APTIM will work with the Williams contractor to pot-hole each of the drilling locations to a depth of seven feet below grade.
- Six primary soil borings will be advanced to 50 feet below grade (see attached figure). At each location, soils will be logged for lithology and field screened for evidence of hydrocarbon contamination. One soil sample will be collected from every 10 ft interval for laboratory analysis. Analytical parameters will include full 915-1 analysis of EC, SAR, pH in the top sample only and VOCs, PAHs, volatile and extractable TPH, and metals in all intervals.
- Based upon the observations from the primary borings, 5 additional secondary borings locations have been selected in attempt to delineate soils. Sampling will be the same as the primary borings.



- If water is encountered in the borings, monitoring wells will be installed. For this proposal, it is assumed that 3 wells will be completed, with each installed to 50 feet below grade and constructed with twenty feet of screen.
- If wells are installed, they will be developed, surveyed and sampled.
- APTIM will prepare a letter report with tables and figures for regulatory submittal.

### **Assumptions**

The following assumptions were made in preparation of this scope of work:

- Each drilling location will be pot-holed by Williams to a depth of seven feet below grade.
- Costs for the soil analytical will be direct-billed to Williams under contract with ALS. Analytical costs are estimated at \$15,000.
- Drill cuttings and decontamination water will be containerized on-site for disposition by Williams.

APTIM proposes to complete the tasks outlined for an estimate price of \$49,588. A cost summary sheet for the proposed cost elements is attached. Terms and conditions will be per the Master Environmental Services Agreement 2022-SCS-MCMC-864001-1 between Williams Strategic Sourcing Corporation and Aptim Environmental & Infrastructure, LLC.

If you have any questions or comments, please contact me at (720) 554-8198.

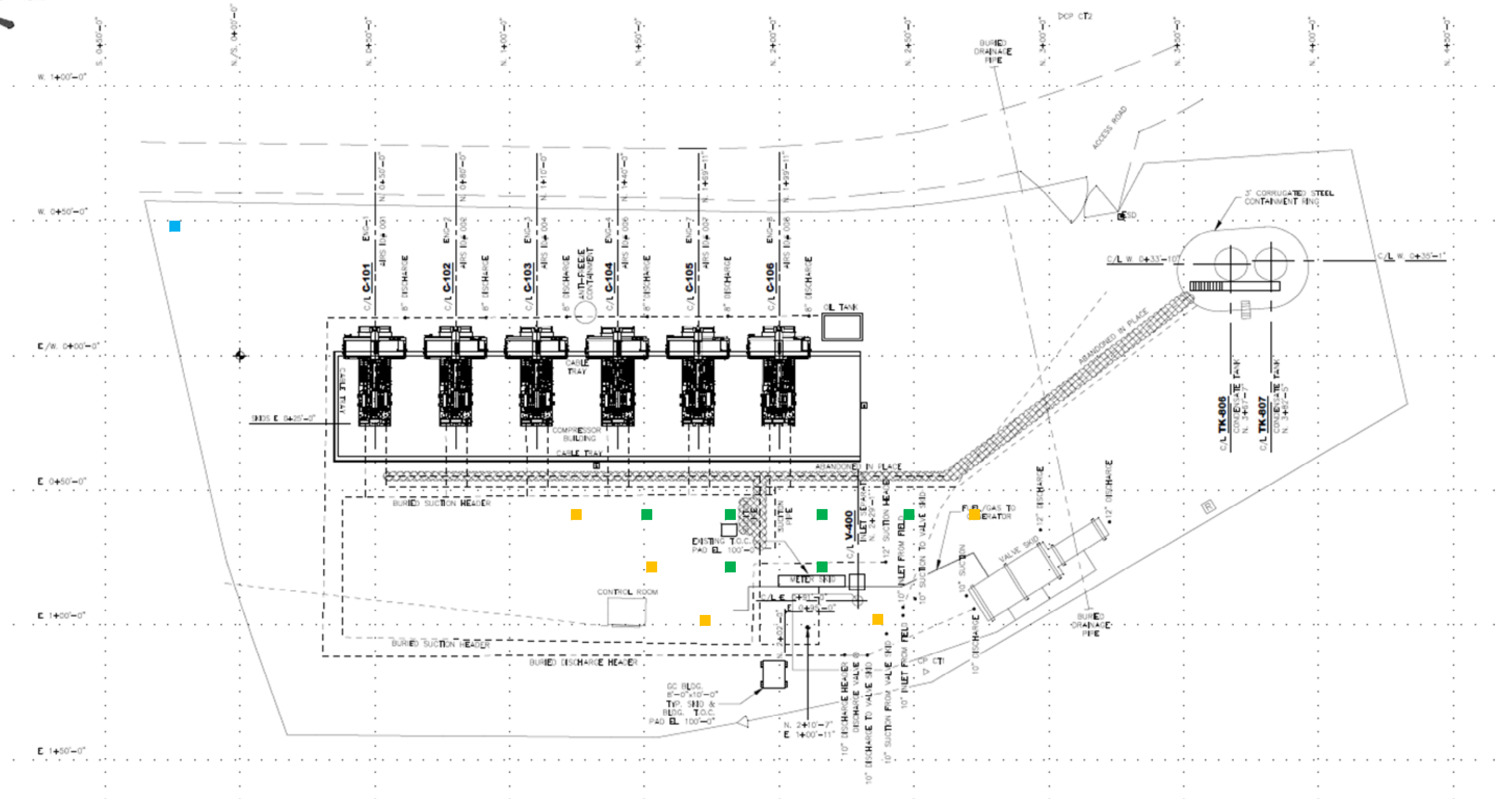
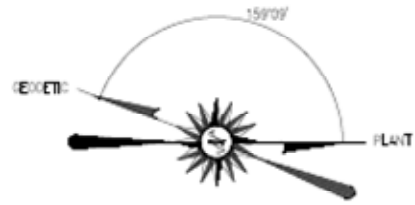
Sincerely,

David Way  
Vice President

Aptim Environmental & Infrastructure, LLC.

Please Reply To: David Way  
Phone: 720.554.8198  
E-Mail Address: [david.way@aptim.com](mailto:david.way@aptim.com)

Attachment



Bargath, LLC

Cottonwood CS  
Site Map



APTIM Environmental & Infrastructure, LLC.  
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