

EXHIBIT A

Alley PMS 2016

SCOPE OF SERVICES

Design and Bidding Services

1. PROJECT: The work will involve the following alleys:

1. Cloud Peak Alley – A portion of the alley running from 5th St. to 6th St. between Gillette Ave. and Kendrick Ave. (approx. 200 LF) including removing and replacing several sewer service Fernco wyes if needed.
2. Court House Alley –
 - A) West 5th St. running east from Warren Ave. to the end at the alley.
 - B) Alley running from West 5th St. to 4th St. between Gillette Ave. and Warren Ave. including repairing a SA manhole invert and small length of sewer if needed.

The combined length of the alley and 5th St is approximately 520 LF.

3. 3rd Street Alley – Alley running from 3rd St to 4th St. between 4J Rd. and Rockpile Blvd. (approx. 340 LF) including removing and replacing the existing 8" sanitary sewer line from City MH # 0907066 to 0807040.

2. SCOPE OF WORK: Provide professional engineering services to the City of Gillette. The services will include design and bidding services. The work will proceed through the following steps:

2. A. Design - Bring the completed design of the project to construction. Bruce Engineering will provide design plans that will include finish design details (pavement plan and profile, thickness, drainage), quantities, general information, and detail sheets. A project manual including bid requirements, bid documents, design specifications, bid items, and special provisions will also be generated.

2. B. Public Bid Services - Bruce Engineering will provide electronic PDF documents and 5 sets of 11" x 17" plans and specifications. Additionally provide the advertisement, be available for bidder's questions, provide any addenda, bidder lists, bid tabulations, assist in the review of bid submittals and provide a bid recommendation.

EXHIBIT B

Alley PMS 2016

PROJECT SCHEDULE

SCHEDULE: The following schedule is proposed, assuming that the consultant would be given a notice to proceed on or about Oct. 20th, 2015:

Activity	Start	End
Development Phase	10/26/2015	12/4/2015
Preliminary Design Phase	12/7/2015	1/22/2016
Final Design Phase	1/25/2016	2/5/2016
Final Design & Spec. Review	2/8/2016	2/19/2016
Revisions & Prepare Bid Documents	2/22/2016	2/25/2016
Advertise	2/26/2016	3/11/2016
Bid Opening, City Council Award	3/15/2016	4/5/2016

EXHIBIT C

Alley PMS 2016

FURTHER DESCRIPTION OF BASIC ENGINEERING SERVICES

Developmental Phase - Completed by December 4, 2015.

- 1 - Attend a kick-off meeting with OWNER to finalize scope of work, review expectations, establish lines of communication and establish schedules.
- 2 - Bruce Engineering will investigate existing conditions, verify elevations, provide field investigation and research record drawings and records. Bruce Engineering will provide a brief conceptual report and review final concepts with the owner.
- 3 - Provide a rough estimate of the construction cost.

Preliminary Design Phase - Completed by January 22, 2016.

- 1- Provide field survey of improvements for plan view representation.
- 2- Prepare and provide 90% completed bid documents to Owner.
- 3 - Provide design calculations.
- 4 - Provide an estimate of the construction costs.
- 5 - Review preliminary bid documents with owner.

Final Design Phase - Completed by February 5, 2016.

- 1 - Complete the design as per owner input from preliminary review.
- 2 - Provide two (2) sets of final bid documents.
- 3 - Provide an estimate of the construction costs.

Bid Documents Prepared - Completed by February 25, 2016

- 1 - Provide Five (5) sets of bid documents and additional services as outlined in Exhibit A.

Bidding Phase - Completed by March 17, 2016

- 1 - Be available for bidder's questions, provide any addenda, bidder lists, bid tabulations, assist in the review of bid submittals and provide a bid recommendation.

EXHIBIT D.1

2015

BRUCE ENGINEERING, INC. Professional Services Fee Schedule

Date: October 2, 2015

Client: City of Gillette.

Project: 2016 Alley PMS

LABOR

Principal Engineer (PE)	\$110.00 per hour
Senior Engineer (PE)	\$104.00 per hour
Staff Engineer	\$88.00 per hour
Engineering Design Technician	\$72.00 per hour
Professional Land Surveyor	\$100.00 per hour
Surveyor II	\$72.00 per hour
Surveyor I	\$48.00 per hour
Clerical	\$51.00 per hour

EQUIPMENT

GPS Surveying Unit	\$15.00 per hour
Vehicles	\$15.00 per hour
4x4 All Terrain Vehicle	\$60 per day

DIRECT COSTS

Stakes & Supplies	Cost plus 15%
Photocopies/ Printing (8.5" x 11" or 14")	\$0.25 per copy
Photocopies/ Printing (11" x 17")	\$0.50 per copy
Large Format Black Line Printing	\$6 per sheet (24x36)
Mylars (24 x 36)	\$24 per sheet
Facsimile	\$1.00 per sheet
Per diem (location costs vary)	\$100 –\$150 per person per day
Subconsultants:	Cost Plus Hourly Management Fee or Cost Plus 10%

Labor & Equipment rates are portal to portal.

**Mailing Address - P.O. Box 2284, Gillette, WY 82717, Physical Address - 1300 East Hwy 14-16
Phone: 307-686-2252 or 307-682-5000, Fax: 307-687-7163, Email - bei@vcn.com**

Bruce Engineering Inc.

Estimated Design & Bidding Costs

City Of Gillette: 2016 Alley PMS - City Project No. 16EN13

10/09/15

Task	Principal Engr. (PE)	Project Engineer (PE)	Staff Engineer	Engr. Tech RPR	Prof. L.S.	Surveyor 2	Clerical	Cost
Preliminary Design Phase								
Meetings	2	2	3					\$ 692.00
Field Work		10	6	8	4	15		\$ 3,624.00
Locates			2	4		4		\$ 752.00
Base Maps			4	18	6	15		\$ 3,328.00
Analysis / Design / Study	2	6	12					\$ 1,900.00
Drawings		6	20	60		2		\$ 6,848.00
Design / Planning		13	30	5		2		\$ 4,496.00
Specifications		2	15					\$ 1,528.00
Miscellaneous		2	2	2				\$ 528.00
Cost Estimate		2	4					\$ 560.00
Review	2	6	4					\$ 1,196.00
Final Design Phase								
Drawings		3	10	12				\$ 2,056.00
Contract Documents			8					\$ 704.00
Miscellaneous		2	2	2				\$ 528.00
Cost Estimates		1	4					\$ 456.00
Review	2	4						\$ 636.00
Bidding Phase								
Meetings / Phone		2	10					\$ 1,088.00
Addendums / Bid Tabs		2	10					\$ 1,088.00
Total Hours	8	63	146	111	10	38	0	368
Hourly Rate	\$ 110.00	\$ 104.00	\$ 88.00	\$ 72.00	\$ 100.00	\$ 72.00	\$ 51.00	

Costs = \$ 32,008.00

Reimbursable Expenses	
Misc. Expenses	\$100
Copies	\$100
Travel	\$300 (20 hrs. @ \$15/hr.)
Geotechnical Investigation	\$3,000
GPS Equipment	\$225 (15 hrs. @ \$15/hr.)
5 Sets of 11" x 17" Plans	\$250

Total Reimbursable Cost = \$3,975

Total Estimated Cost = \$ 35,983.00