



ENGINEERING ASSOCIATES
A Wyoming Corporation
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PROPOSAL MEMORANDUM

TO: Glen Borkenhagen
FROM: Cody Schatz, PE & LS
DATE: March 11, 2019
SUBJECT: **Civil Consulting Services for E. Sheridan Hill – Cody, WY**

REMARKS:

Engineering Associates appreciates the opportunity to propose for civil engineering services for rehabilitation of the slope above East Sheridan Avenue on the Borkenhagen property in Cody, Wyoming.

We have developed a list of tasks for completion of the project. Our understanding of the necessary civil engineering tasks associated with this project are summarized on the following pages.

We would be glad to discuss this proposal with you at your convenience. Cody Schatz will serve as project manager.

Thank you for the opportunity to provide you with a list of tasks and associated fees that we understand will be necessary to complete the Civil design work for this development.

CIVIL CONSULTANT SCOPE OF SERVICES – E. SHERIDAN HILL – BORKENHAGEN

1. Design durable, maintenance-free armored-against erosion slope protection \$ 1,900
 - 1.1. We will evaluate material alternatives for the slope protection.
 - 1.2. We will develop construction details for the slope protection plan, using the topography provided by Owner.
 - 1.3. The final plan will be completed in Autocad dwg format on letter or 11" x 17" sized documents.
 - 1.4. We will prepare individual specifications as needed to describe the work to be completed, including storm water discharge permit requirements.
2. Opinion of probable construction cost for provided solution \$ 2,700
 - 2.1. We will prepare an estimated construction cost, based on interviews with local contractors.
 - 2.2. We will answer contractor questions during contractor procurement phase.
 - 2.3. We will provide materials lab testing to confirm supplier compliance with specifications.
 - 2.4. We will provide construction staking for contractor before and during construction.
3. Construction Oversight \$ 5,000
 - 3.1. We will provide 40 hours of construction observation, including daily field reports and construction photos.
4. Opinion of probable cost for procurement of 900 cy of topsoil \$ 1,000
 - 4.1. We will research local topsoil supplies and determine acceptable parameters for topsoil specifications.
 - 4.2. We will make recommendation for materials lab testing before purchase.

TOTAL CIVIL CONSULTANT DESIGN FEE ESTIMATE: \$ 10,800

OTHER:

1. Owner is responsible for any construction permits required.
2. No nuclear density testing can be performed on anticipated construction materials.

CAS-03/11/19

