



July 5, 2017

Mr. Andy Hummel
Utility Manager
City of Sparks – Public Works
431 Prater Way
Sparks, NV 89431

Re: City of Sparks CIP#1 – El Rancho Sewer Improvements

Dear Andy:

Axion Engineering is pleased to submit this proposal for engineering and surveying services for the City of Sparks El Rancho sewer improvement project. Based on our meeting with you we understand the project to encompass replacing the sewer from Capurro to approximately 425 feet south of Greenbrae, installing new sewer from this point south to G Street where the new main will be tied into the existing interceptor. We anticipate the plan set to include a Title Sheet, five plan and profile drawings at 40 scale, necessary details and note sheets.

We understand that the City of Sparks will provide a cad compatible base map that will include utilities, parcel lines and photo imagery. We will provide a topographic survey along the proposed sewer route to tie existing utilities, sewer and storm drain manholes with invert elevations, roadway and sidewalk improvements, curb and gutter shots for reconstruction of disturbed existing improvements. We understand that re-paving of some of the impacted streets will be required and these improvements will be included in the plan set.

We will provide drilling services for determination of ground water elevations and soil material reconnaissance. We will provide four borings and provide the results in a report format to provide recommendations concerning potential geological hazards, trench excavation and backfilling, pipe bedding and cover, and support of pavement sections. Note that we will need to have the utilities marked prior to performing the borings and survey services.

We will provide specifications either on plans or for inclusion in the project manual, provide bid quantities, and bid item clarifications. We will attend meetings and site visits up to bid award. Construction phases services, if required, will be addressed under a separate proposal.

We propose to provide these services on a time and materials basis for a not to exceed amount as follows:

1) Topographic Survey	\$26,640.00
2) Groundwater Borings/Report	\$8,250.00
3) <u>Improvement Plans</u>	<u>\$81,000.00</u>
4) Total Fee	\$115,890.00

Axion Engineering thanks you for the opportunity to submit this proposal and looks forward to working with the City of Sparks toward the successful completion of the El Rancho Sewer Improvement project.

Sincerely,
Axion Engineering, LLC

Gary Guzelis
Gary K. Guzelis, P.E.