



May 10, 2022

Mr. Carlos Norvani
City of Lake Elsinore
130 S Main St.
Lake Elsinore, CA 92530

SUBJECT: CAMINO DEL NORTE SEWER EXTENSION

Dear Mr. Norvani:

The Camino Del Norte Sewer Extension Project is proposed to design approximately 1,225 linear feet of sewer within Camino Del Norte, south of Main Street. During the geotechnical borings, Boring 2 hit refusal at 4 feet. In coordination with the City we are presenting a proposed amendment adding additional scope to perform a seismic refraction survey. This seismic refraction survey is intended to explore the subsurface condition to better inform the design team of the potential for rock in order to support the design of the proposed sewer. Additional details regarding the execution of this work can be found in the attached proposal from Ninyo & Moore, the geotechnical subconsultant on the job.

FEE

The proposed fee for the above scope is \$19,950. This includes the subconsultant's fee plus a 5% markup. We appreciate the opportunity to provide this proposal for the Camino Del Norte Sewer Extension Project. If you have any questions please feel free to contact me at 619.316.7248.

Sincerely,

A handwritten signature in blue ink, appearing to read "Jamie Fagnant", is written over a light blue horizontal line.

Jamie Fagnant, PE

Project Manager

March 23, 2023
Project No. 109554001

Ms. Jamie Fagnant
Ardurra
14271 Danielson Street
Poway, California 92064

Subject: Proposal for Supplemental Geophysical Evaluation
 Camino Del Norte Sewer Extension
 Lake Elsinore, California
 CIP Z30016

Dear Ms. Fagnant:

In response to your request, we are pleased to submit this proposal to perform a supplemental geophysical evaluation for the Elsinore Valley Municipal Water District's (EVMWD) Camino Del Norte Sewer Extension project in Lake Elsinore, California. The project includes the construction of approximately 1,225 lineal feet of 8-inch diameter sewer pipe at depths of approximately 8-10 feet within Camino Del Norte.

Our office is currently preparing a geotechnical evaluation report for the project and recently performed three small-diameter borings along the project alignment. One of the borings met drilling refusal on granitic rock at a depth of approximately 4 feet. Due to the presence of shallow, resistant rock along the project alignment, we are providing this scope and fee for a supplemental geophysical survey to evaluate the subsurface conditions. Based on our site observations of granitic rock within the roadcuts adjacent to Camino del Norte, shallow rock may be anticipated along an approximately 675-foot long section in the middle portion of the alignment.

The purpose of the supplemental geophysical evaluation will be to provide data and recommendations regarding the rippability and excavation conditions along the sections of the alignment anticipated to be underlain by shallow rock.

SCOPE OF SERVICES

Based on our understanding of the project, we propose the following scope of services:

- Acquiring a traffic control permit from the City of Lake Elsinore Engineering Department. Fees associated with the permit will be waived.

- Preparing and implementing a Traffic Control Plan to be approved by the City of Lake Elsinore.
- Performing a geophysical survey consisting of series of three seismic refraction lines along an approximately 675-foot-long portion of Camino del Norte anticipated to be underlain by shallow granitic rock. The lines will be up to approximately 230 feet long and will be performed within the dirt road shoulder.
- Compiling and analyzing data obtained from our geotechnical evaluation and seismic refractions surveys.
- Preparing a supplemental letter report providing the findings of our geophysical evaluation. The illustrated letter report will include profiles of the surveyed road sections. Recommendations regarding rippability and excavatability along the project alignment will be provided.

ASSUMPTIONS

In preparation of this proposal, we have made the following assumptions:

- We assume that our seismic refraction surveys will be performed during normal work hours, Monday through Friday, 7:00 am to 5:00 pm.
- The project is subject to California Prevailing Wage Rates with regard to our traffic control subcontractor.
- Upon award of the project, the client will provide in writing the Department of Industrial Relations (DIR) Project ID for the purposes of electronic certified payroll reporting (eCPR) and labor compliance.

FEE

Our fee to perform the geotechnical evaluation services described above will be invoiced on a lump sum basis in the amount of \$19,000 (Nineteen Thousand Dollars). Additional services, beyond those described herein, if requested, will be performed on a lump sum or time-and-materials basis, as appropriate.

SCHEDULE

We are prepared to begin our services immediately upon receiving your authorization to proceed. Following receipt of the traffic control permit, and assuming no delays due to inclement weather, scheduling of the field work is anticipated to take approximately two weeks. Field work associated with the seismic refraction surveys is anticipated to take one day to perform. The supplemental geophysical evaluation report will be completed approximately three weeks after performance of the field work. Verbal progress reports can be provided during the course of our evaluation, if requested.

If this proposal meets with your approval, please forward your contract documents as notification for us to proceed with this work. We appreciate the opportunity to submit this proposal and look forward to continue working with you on this project.

Respectfully submitted,
NINYO & MOORE



Nissa M. Morton, PG, CEG
Senior Project Geologist

NMM/ZH/GTF/mp



Gregory T. Farrand, PG, CEG
Principal Geologist