

September 13, 2019 File: 1691.01pro4.doc

Ms. Jill Mercurio City of San Pablo 13831 San Pablo Avenue San Pablo, CA 94806

Re: Proposal for Geotechnical Services Slope Monitoring and Evaluation Hillcrest Road Parcel San Pablo, California

## Introduction

Per our recent discussion, we are pleased to propose our geotechnical engineering services regarding continued monitoring of existing inclinometers and piezometers located in the slope behind Princeton Plaza commercial development area. Surface and subsurface movement is occurring within a previously repaired landslide area and underlying native bedrock. We installed 5 inclinometers in the area in January of 2011 and have been monitoring slope movement. As of March 2018, nine inclinometers were able to be read at full depth, and an additional two are being monitored in the upper portion above the sheared point which are rendered no longer readable. Water pressures from seven piezometers are also being measured.

The purpose of our services is to continue to monitor the depth and rate of subsurface movement. Based on our understanding of the project, we recommend the following scope of services.

# Monitoring

We will perform inclinometer and groundwater readings on all 11 inclinometers and piezometers 2 times per year to monitor the lateral movement and groundwater levels of the slope. We will plot the inclinometer data after each subsequent reading and submit a brief letter summarizing the results of our monitoring.

## Fee Estimate and Agreement

We will provide our services on a time and expense basis in accordance with the attached Schedule of Charges. Accordingly, we estimate that our fee for the scope of services outlined above would be approximately as follows:

Task 1 – Monitoring ......Budget Est. \$4,000 per reading 2 per year x 2 years (4) = \$16,000



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We trust that this provides the information required at this time. If you or others have further questions, please do not hesitate to call. When you wish to proceed, please provide us with your authorization to proceed under our master agreement with City of San Pablo.

Yours very truly,

MILLER PACIFIC ENGINEERING GROUP

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Scott A. Stephens Geotechnical Engineer 2398 (Expires 6/30/21)

Attachments: Schedule of Charges



# MILLER PACIFIC ENGINEERING GROUP a California corporation

# SCHEDULE OF CHARGES PROFESSIONAL ENGINEERING AND TESTING SERVICES

Hourly Rate

Staff Engineer/Geologist – Level 1-3	\$100 - \$110 - \$120
Project Engineer/Geologist – Level 1-3	
Senior Engineer/Geologist – Level 1-3	\$170 - \$180 - \$190
Associate Engineer/Geologist – Level 1-3	\$205 - \$215 - \$225
Principal Level 1-3	\$230 - \$240 - \$250
Project Assistant/Word Processor	\$85
Technician Level 1-3	\$95 - \$100 - \$105
Senior Technician Level 1-3	\$115 - \$120 - \$125
Prevailing Wage	\$145

#### Other Inside Charges

Mileage	\$ 0.80 per mile
Vehicle (Field)	
Nuclear Density Gage	\$8 per test
Inclinometer	\$160 per day / \$90 per half day
Laser Level/Floor Level Equipment	\$25 per day
Sampling and Video Equipment	\$50 per day / \$30 half day

Exploration, drilling equipment and instrumentation, in-situ monitoring, specialized laboratory testing, per diem, shipping, courier/delivery services, outside reproduction, and other services and supplies not normally provided.

## \*NOTES:

1. Field site visits and travel time are normal hourly rates, portal to portal.

2.	Overtime – Weekday	add	\$35
	Overtime – Weekend/Holiday/Night	add	\$45*
	*(4 or 8 hour minimums)		

- 3. Rates are for normal Geotechnical Engineering and Geological services. Rates for depositions and testimony are \$510 per hour for Principal; \$460 per hour for Associate; and \$410 per hour for Senior. All other personnel are \$305 per hour. These fees are due and payable at the time of service.
- 4. Schedule of charges is effective as of April 2019. It is subject to revision annually and at other times without notice.