Terra Spiritus Purgamus

SALEM**H**OWES **A**SSOCIATES **I**NC.
GEOLOGISTS AND GEOTECHNICAL ENGINEER

San Pedro 807-811 17Jun
2003013

GEOTECHNICAL DESIGN MEMORANDUM

17 June 2021

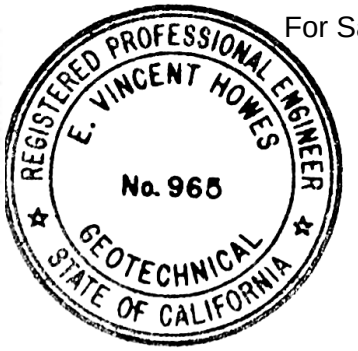
TO: Stewart Summers, Architect

SUBJECT: 807-811 Point San Pedro Road
Response to County Review Completeness Comments

During sampling for our soils report dated 12 March 2020, in boring “C” we encountered midden (shell mound) soils consisting of shell-fragment rich, black, greasy textured silty type soil consistent with shell mound soils otherwise known as midden soil. We have encountered midden soil elsewhere in the county and it is relatively uniform in description and texture with variations in archeological content varying from location to location as seasons and occupation history changed over time. The contents of the midden soil as we encountered it are relatively thick starting at or near the surface of the boring location, is stratified with soil and midden horizons to roughly six feet. The stratified nature of the midden zone in our boring indicates grading when a drainage pipe was installed in the past. This is not the original source of the midden material. It should be noted that we did not encounter any bone fragments or other archeologically significant items or tools, since this is not the original location of the midden soil we wouldn’t expect to find any.

This location is within a swale that has been graded and reworked as part of the lower house project to form a driveway and turn around area many tens of years ago when the existing residence at 811 Pt San Pedro Rd was relocated uphill from a site further downslope. That grading sequence at that time disturbed the original shell mound deposit and apparently used that soil for backfill. The location of the midden soils found in our test boring is roughly within an area that is proposed to be the site of a new driveway that will serve the upper lot known as 807 Pt San Pedro Rd. During recent site visits in the month of May 2021, we noticed that the area has been scraped for an unknown reason, shifting the top foot or so of soil further to the west amongst other soil debris. During our sampling time, it should be noted that we were not there to determine the extent of the midden soils but to note that we encountered it in our boring and raise awareness of its existence on the site.

The observations, conclusions and recommendations in our 12 March 2010 report apply to the conditions at the driveway site.



For SalemHowes Associates Inc.

E Vincent Howes

Geotechnical Engineer
GE #965 Exp. 31 Mar 22
Engineering Geologist

1202 GRANT AVE. SUITE F
NOVATO, CALIFORNIA 94945
(415) 892-8528
howesgeo@aol.com