

LETTER OF TRANSMITTAL

To: John Merchant
1522 Lincoln Avenue
Calistoga, CA 94515

Date: April 20, 2016

Subject: Hotel Veranda — Existing Near-Surface Soil Conditions in the East
Portion of the Site

Our Job No: 644.1.13

On April 14, 2016, we were on-site to explore subsurface conditions beneath the east portion of the proposed Hotel Veranda site at 1506 and 1522 Lincoln Avenue in Calistoga, California. We understand that the eastern area explored formerly served as the Calistoga Gliderport, and the ground surface had consisted of asphalt-paved runways and chipseal-surfaced glider parking areas. To observe existing subsurface conditions, seven shallow test pits were excavated with backhoe equipment to depths of about 2 to 3½ feet at the approximate locations indicated on the attached Plate 1. Logs of the test pits are presented on the attached Plate 2.

In general, the soils encountered in the test pits consisted of existing fills and natural clayey, silty and sandy soils. Based on our field observations, we judge that the soils encountered in Test Pits 1 through 5 can be considered as having a low rate of infiltration because of the presence of the hard, compacted subgrade layer (Layer "C" on Plate 2) that would impede downward movement of water. In Test Pits 6 and 7, the soils can be considered to have a moderate rate of infiltration because of the absence of the above-mentioned compacted subgrade layer.

We trust that this provides the information needed at this time. If you have any questions or wish to discuss this in more detail, please do not hesitate to contact us.

Thank you,

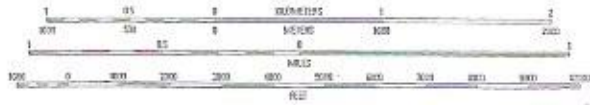


Jeffery K. Reese, Civil Engineer No. 47753

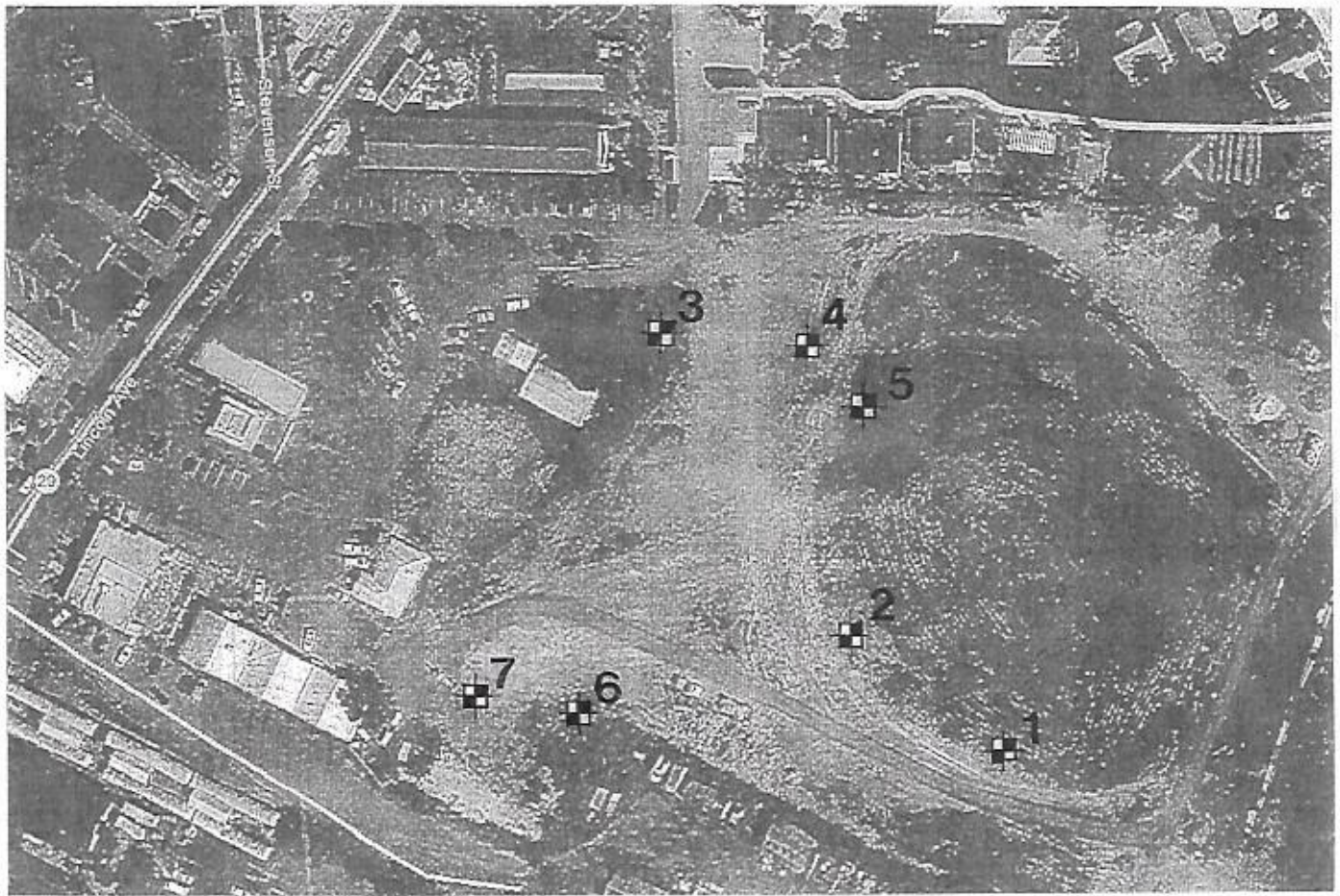
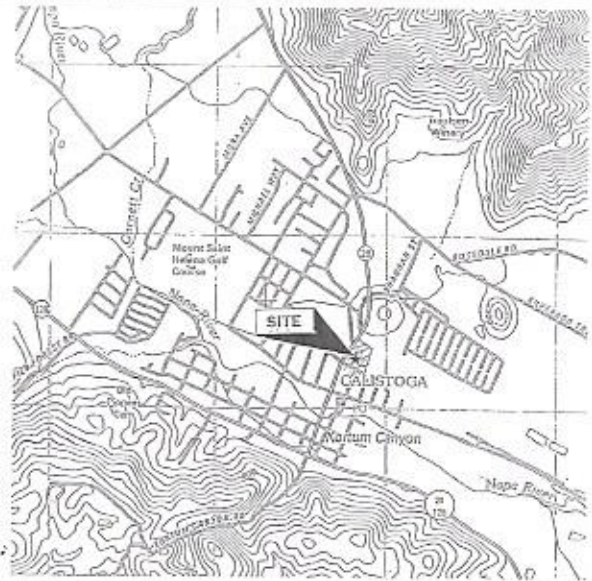
cc: Paul Coates Construction
P.O. Box 1006
Calistoga, CA 94515
mcoates@sonic.net

Attachments: Plate 1—Test Pit Location Plan and Site Vicinity Map
Plate 2—Log of Test Pits 1 Through 7

Site Vicinity Map



CONTOUR INTERVAL 40 FEET
NORTH AMERICAN VERTICAL DATUM OF 1985



☒ APPROXIMATE TEST PIT LOCATION

feet
meters



**REESE &
ASSOCIATES**
CONSULTING
GEOTECHNICAL
ENGINEERS

Job No: 644.1.13

Date: 04-19-16

Appr: gka

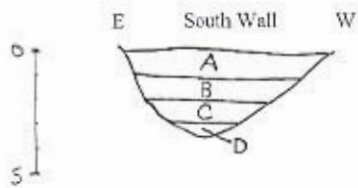
**TEST PIT LOCATION PLAN
AND SITE VICINITY MAP**

**HOTEL VERANDA
OLD GLIDERPORT
CALISTOGA, CALIFORNIA**

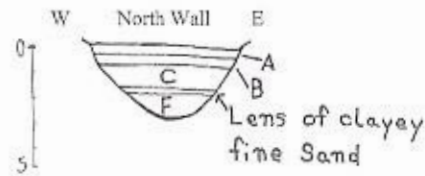
PLATE

1

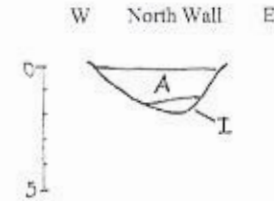
Log of Test Pit 1



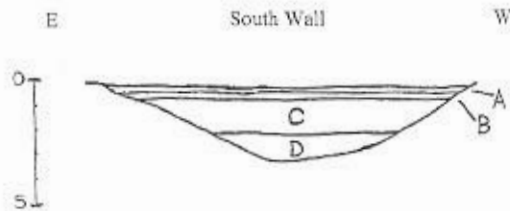
Log of Test Pit 4



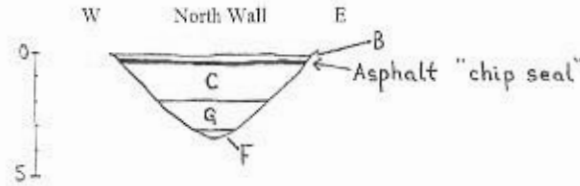
Log of Test Pit 7



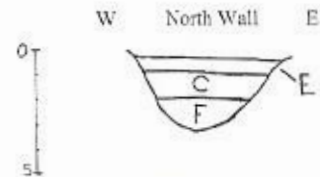
Log of Test Pit 2



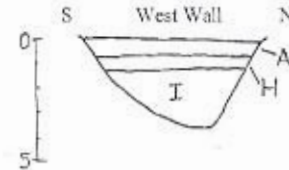
Log of Test Pit 5



Log of Test Pit 3



Log of Test Pit 6



Soil Descriptions:

- A. MOTTLED ORANGE, GRAY AND DARK BROWN SANDY SILT (ML), medium stiff, moist, with some gravel and root fibers (fill)
- B. ORANGE-BROWN SILTY ANGULAR GRAVEL (GM), very dense, moist, grading up to about 3 inches in size (aggregate fill)
- C. GRAY SANDY SILT (ML), hard, moist (possible treated subgrade)
- D. YELLOW-BROWN SILTY SAND (SM), loose to medium dense, wet
- E. VERY DARK BROWN SANDY SILT (ML), soft, moist, with occasional gravel (topsoil)
- F. GRAY-BROWN CLAY (CH), soft, saturated, plastic
- G. YELLOW-BROWN SAND (SW), medium dense, moist
- H. ORANGE SANDY SILT (ML), dense, moist, (select fill from Mt. Washington)
- I. DARK GRAY SANDY CLAY (CL/CH), medium stiff to stiff, very stiff in upper 6 inches, moist to wet

Scale: 1 inch = 5 Feet Horizontal and Vertical

**REESE &
ASSOCIATES**
CONSULTING
GEOTECHNICAL
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Appr: gjk

LOG OF TEST PITS 1 THROUGH 7

HOTEL VERANDA
OLD GLIDERPORT
CALISTOGA, CALIFORNIA

PLATE

2

**REDUCED FROM
11X17**