

NEVADA CITY ENGINEERING, INC.

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Engineering • Surveying • Planning

February 6, 1985

Stone Heart Ranchos

TPM 84-26

Soils Studies Data

Soil Mantle Data

Lot No. 1

- 0"-22" Loose brown & orange clayey loam topsoil
- 22"-96" Orange-brown clay loam w/fractured green stone
water seepage @ 96" after 24 hours

Lot No. 2

- 0"-17" Loose brown-orange clayey loam topsoil
- 17"-94" Yellow sandy silt w/decomposed rock. Denser
w/depth

Lot No. 3

- 0"-17" Loose brown-orange clayey loam topsoil
- 17"-94" Orange-yellow clay silt w/fractured decomposed
rock - 40% of 94". Density increasing w/depth.

Lot No. 4

- 0"-22" Loose brown-ornage clayey loam topsoil
- 22"-96" Orange-yellow sandy clay silt w/fractured
rock. Denser w/depth. 40% @ 96".

Lot No. 5

- 0"-34" Loose red-brown clayey loam topsoil
- 34"-99" Tan sandy clay silt

Lot No. 6

- 0"-23" Loose brown loam topsoil
- 23"-62" Brown clay loam w/10% fractured rock
- 62"-96" Orange-grey sandy clay silt w/40%
fractured rock @ 96"

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Lot No. 7

0"-23" Loose brown loam topsoil
23"-96" Orange-grey sandy clay w/20%
fractured rock

Lot No. 8

0"-20" Loose brown loam topsoil
20"-63" Brown-orange clayey loam
63"-94" Orange-grey sandy clay silt w/30%
fractured rock

Lot No. 9

0"-22" Loose brown loam topsoil
22"-96" Orange-yellow sandy clay silt w/fractured
rock increasing to 40%

Lot No. 10

0"-21" Loose brown loam topsoil
21"-96" Brown-orange sandy clay silt w/30%
fractured rock

Lot No. 11

0"-38" Loose brown loam topsoil
38"-99" Orange-yellow sandy clay silt w/20%
fractured rock

Percolation Test Data

<u>Location</u>	<u>Rate (Min./inch)</u>			
	<u>Hole 1</u>	<u>Hole 2</u>	<u>Hole 3</u>	<u>Average</u>
Lot No. 1	80	34	60	58
Lot No. 2	60	48	60	56
Lot No. 3	48	40	60	49
Lot No. 4	60	60	48	56
Lot No. 5	48	48	60	52
Lot No. 6	60	60	60	60
Lot No. 7	60	48	17	42
Lot No. 8	80	34	60	58
Lot No. 9	40	60	80	60
Lot No. 10	60	60	48	56
Lot No. 11	60	60	48	56

Notes: All test holes were run at 30" to 31" depth
All tests ran between 12-20-84 to 12-28-84

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reference point. Add 6" of water and record the time in Column A and the distance from this reference board to the water in Column B of chart. In 30 minutes again read the distance from the reference board to the water and record in Column C. Enter the time in Column A of the next time period. Repeat this process for 8 half hour intervals. When it is necessary to bring the water level back to the starting point, (this should be 6" from the bottom) record the distance in Column B of the appropriate time slot.

7. If the hole consistently drains in less than 30 minutes, make the readings at 10 minute intervals for 8 readings.

8. In addition to the percolation tests an eight foot deep soil mantle is to be dug in the area of the leachfield to expose the soil profile. A backhoe excavation is best. This requirement may be waived as allowed by County Ordinance.

LOT # 3

Perc Hole #1 Total Depth 30 1/2"			Perc Hole #2 Total Depth 30"			Perc Hole #3 Total Depth 30"		
A	B	C	A	B	C	A	B	C
Time	Depth to Water		Time	Depth to Water		Time	Depth to Water	
	6" Fill	Ending		6" Fill	Ending		6" Fill	Ending
1 8:15	24 1/8	24 3/4	8:18	23 1/2	24 1/4	8:20	24 1/4	24 3/4
2 8:45	23 5/8	24 1/4	8:48	24 1/4	25 0	8:50	24 0	24 1/2
3 9:15	24 1/4	24 7/8	9:18	23 1/2	24 1/4	9:20	23 1/2	24 0
4 9:45	23 3/4	24 7/8	9:48	24 1/4	25 0	9:50	24 0	24 1/2
5 10:15	24 3/8	25 0	10:18	23 7/8	24 5/8	10:20	23 3/4	24 1/4
6 10:45	23 7/8	24 1/2	10:48	24 0	24 3/4	10:50	24 1/4	24 3/4
7 11:15	24 0	24 5/8	11:18	23 3/4	24 1/2	11:20	24 1/8	24 7/8
8 11:45	23 3/4	24 3/8	11:48	23 7/8	24 5/8	11:50	23 3/4	24 1/4
9 12:15	5/8	48	12:18	3/4	40	12:20	1/2	60

I HEREBY CERTIFY UNDER PENALTY OF PERJURY THAT THE STATEMENTS MADE ABOVE ARE TRUE AND CORRECT AND THAT THE ABOVE PERCOLATION TESTS WERE DONE IN ACCORDANCE WITH THE INSTRUCTIONS AND THE RESULTS RECORDED ARE TRUE AND CORRECT.

12-20-8

Date of Test

Signature of Registered Person

Name of Person Conducting Test

RCE 24867

Registration or SCL Type and Number

TPM 84-26 Lot 3

Assessor Parcel Number

Owner (Please Print)

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Job Address

MAR 13 1985 Domestic Water Source

Average rate = 49 mm/mh

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