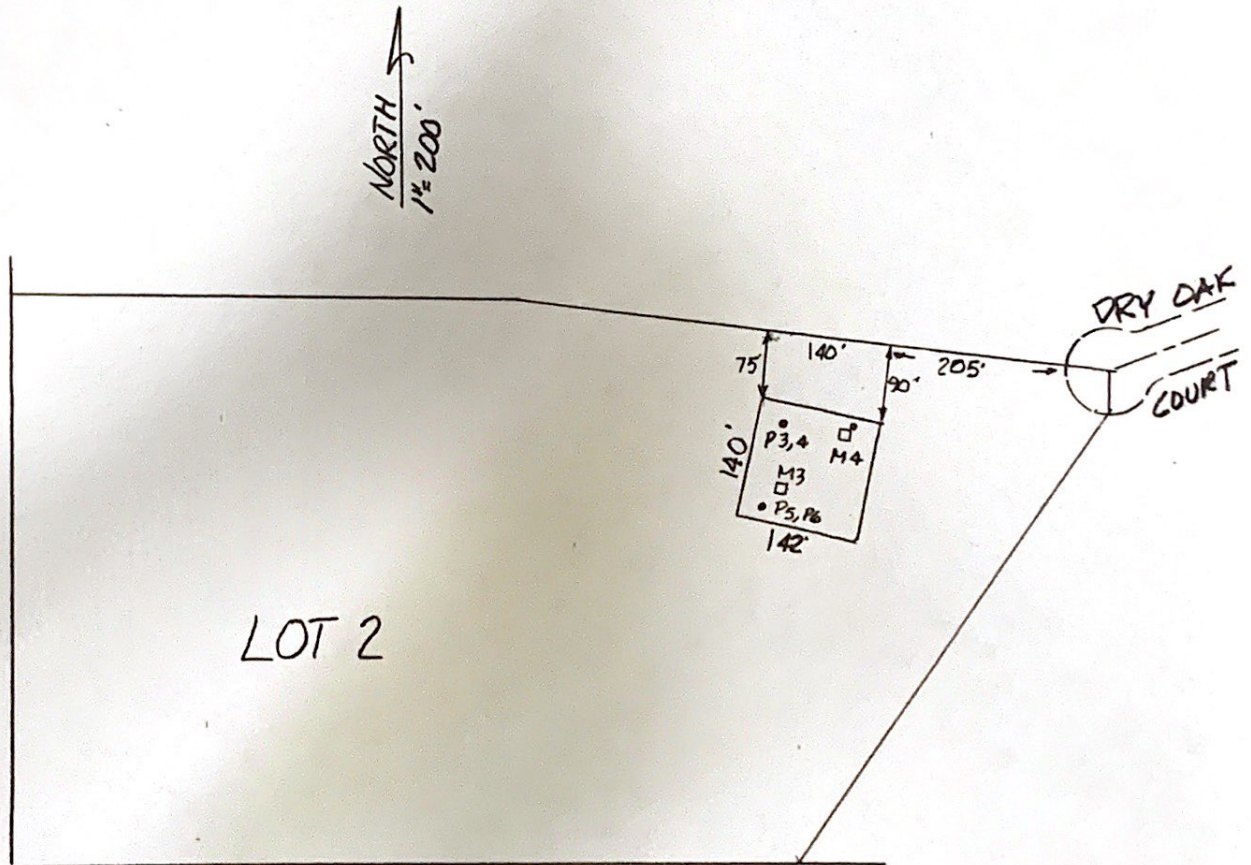


EXHIBIT PLATE "E- 2"
PARCEL MAP NO. TSTM 2000-586
SEWAGE DISPOSAL SITE
FOR LOT 2

P#/# Percolation Tests
☐ Mantles



CHALPIN ENVIRONMENTAL SERVICES

P.O. BOX 2223
Nevada City, California 95959
(916) 273-4978 • (916) 265-8272

January 14, 1994

On-Site Sewage Disposal Report for APN 05-240-16

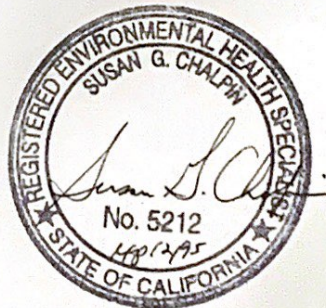
Lot #2

Percolation tests were conducted at 9.25", and 30" in the vicinity of soil mantles #3, and 4. The average perc rate at 9.25" is 8 minutes per inch, and 94 minutes per inch at 30". Due to the shallow soil conditions, a sand filtration sewage disposal system accompanied by a shallow drainfield is recommended.

The recommended M.U.S.D.A. is 16,000 square feet due to the presence of rock outcrops, and discrepancy in perc rates between 30" and design depth.

30" C.L. + Clay

Perks 9.25" 8 mpi
30" 94 mpi



Lot 2 APN 05-24-16 11/17/93 pg 1 of 3

Profile #: 1 Slope: 12°/0

Depth: 0-14"

Texture: s sl sc scl l c cl sic si cl sil si
gravelly stoney DRX IWRX MWRX DG

Color: 5YR 4/1

Mottles: faint distinct prominent reduced

Structure: gr abk sbk mass other

Consistence: L VFr Fr F VF EF S

Plasticity: NP SP P VP

Stickiness: NS SS S VS

Roots: none few common many vf f m c

Boundary: Topography: s w i b

Distinctness: a c g d

Moisture: Dr D M S Se

Comments:

Depth: 4-28"

Texture: s sl sc scl l c cl sic si cl sil si
gravelly stoney DRX IWRX MWRX DG

Color: 10YR 3/4

Mottles: faint distinct prominent

Structure: gr abk sbk mass other

Consistence: L VFr Fr F VF EF S

Plasticity: NP SP P VP

Stickiness: NS SS S VS

Roots: none few common many vf f m c

Boundary: Topography: s w i b

Distinctness: a c g d

Moisture: Dr D M S Se

Comments:

Depth:

Texture: s sl sc scl l c cl sic si cl sil si
gravelly stoney DRX IWRX MWRX DG

Color:

Mottles: faint distinct prominent

Structure: gr abk sbk mass other

Consistence: L VFr Fr F VF EF S

Plasticity: NP SP P VP

Stickiness: NS SS S VS

Roots: none few common many vf f m c

Boundary: Topography: s w i b

Distinctness: a c g d

Moisture: Dr D M S Se

Comments:

Depth:

Texture: s sl sc scl l c cl sic si cl sil si
gravelly stoney DRX IWRX MWRX DG

Color:

Mottles: faint distinct prominent

Structure: gr abk sbk mass other

Consistence: L VFr Fr F VF EF S

Plasticity: NP SP P VP

Stickiness: NS SS S VS

Roots: none few common many vf f m c

Boundary: Topography: s w i b

Distinctness: a c g d

Moisture: Dr D M S Se

Comments:

Total Depth: Effective Depth:

Ground Water Depth:

KEY:

Texture:

s = sand
sl = sandy loam
sc = sandy clay
scl = sandy clay loam
l = loam
c = clay
DRX = decomposed rock
IWRX = intensely weathered rock
MWRX = moderately weathered rock
DG = decomposed granite

cl = clay loam
sic = silty clay
silc = silty clay l.
sil = silt loam
si = silt

Structure:

gr = granular
abk = angular blocky
sbk = sub-angular blocky
mass = massive

Consistence:

L = loose
VFr = very friable
Fr = friable
F = Firm
VF = very firm
EF = extremely firm
S = solid (i.e., refusal)

Plasticity:

NP = nonplastic
SP = slightly plastic
P = plastic
VP = very plastic

Stickiness:

NS = nonsticky
SS = slightly sticky
S = sticky
VS = very sticky

Roots:

vf = very fine
f = fine
m = medium
c = coarse

Boundary:

Topography: s = smooth
w = wavy
i = irregular
b = broken

Distinctness: a = abrupt
c = clear
g = gradual
d = distinct

Moisture:

Dr = dry
D = damp
M = moist
S = saturated
Se = seepage

SOIL MANTLE LOG

APN: 05124016, Lot 2Date: 11/17/93Page 2 of 3

Profile #: 2 Slope: 16%
 Depth: 0-17"
 Texture: s sl sc scl l c (cl) sic sicl sil si
 gravelly stoney DRX IWRX MWRX DG
 Color: 2.5YR4/6
 Mottles: faint distinct prominent
 Structure: gr abk (sbk) mass other
 Consistence: L VFr Fr F VF EF S
 Plasticity: NP SP (P) VP
 Stickiness: NS SS (S) VS
 Roots: none (few) common many vf f m c
 Boundary: Topography: s (w) i b
 Distinctness: (a) c g d
 Moisture: (Dr) D M S Se
 Comments:

Depth: 17-40"
 Texture: s sl sc scl l (c) cl sic sicl sil si
 gravelly stoney DRX IWRX MWRX DG
 Color: 2.5YR4/6
 Mottles: faint distinct prominent gley
 Structure: gr abk sbk (mass) other
 Consistence: L VFr Fr F VF (EF) S
 Plasticity: NP SP P VP
 Stickiness: NS SS S VS
 Roots: none few common many vf f m c
 Boundary: Topography: s w i b
 Distinctness: a c g d
 Moisture: Dr D M S Se
 Comments: refusal

Depth:
 Texture: s sl sc scl l c cl sic sicl sil si
 gravelly stoney DRX IWRX MWRX DG
 Color:
 Mottles: faint distinct prominent
 Structure: gr abk sbk mass other
 Consistence: L VFr Fr F VF EF S
 Plasticity: NP SP P VP
 Stickiness: NS SS S VS
 Roots: none few common many vf f m c
 Boundary: Topography: s w i b
 Distinctness: a c g d
 Moisture: Dr D M S Se
 Comments:

Depth:
 Texture: s sl sc scl l c cl sic sicl sil si
 gravelly stoney DRX IWRX MWRX DG
 Color:
 Mottles: faint distinct prominent
 Structure: gr abk sbk mass other
 Consistence: L VFr Fr F VF EF S
 Plasticity: NP SP P VP
 Stickiness: NS SS S VS
 Roots: none few common many vf f m c
 Boundary: Topography: s w i b
 Distinctness: a c g d
 Moisture: Dr D M S Se
 Comments:
 Total Depth: Effective Depth:
 Ground Water Depth:

Profile #: 3 Slope: 16%
 Depth: 0-11"
 Texture: s sl sc scl l c (cl) sic sicl sil si
 gravelly stoney DRX IWRX MWRX DG
 Color: 2.5YR4/6
 Mottles: faint distinct prominent
 Structure: gr abk (sbk) mass other
 Consistence: L VFr (Fr) F VF EF S
 Plasticity: NP SP (P) VP
 Stickiness: NS SS (S) VS
 Roots: none (few) common many vf f m c
 Boundary: Topography: s (w) i b
 Distinctness: (a) c g d
 Moisture: (Dr) D M S Se
 Comments:

Depth: 11-24"
 Texture: s sl sc scl l (c) cl sic sicl sil si
 gravelly stoney DRX IWRX MWRX DG
 Color: 2.5YR4/6
 Mottles: faint distinct prominent along root
 Structure: gr abk sbk mass other channels
 Consistence: L VFr Fr F VF EF S columnar
 Plasticity: NP SP (P) VP
 Stickiness: NS SS (S) VS
 Roots: none (few) common many vf f m c
 Boundary: Topography: s (w) i b
 Distinctness: (a) c g d
 Moisture: Dr (D) M S Se
 Comments:

Depth: 24-30"
 Texture: s sl sc scl l (c) cl sic sicl sil si
 gravelly stoney DRX IWRX MWRX DG
 Color: 2.5YR5/6
 Mottles: faint distinct prominent
 Structure: gr abk sbk (mass) other
 Consistence: L VFr Fr F VF (EF) S
 Plasticity: NP SP (P) VP
 Stickiness: NS SS (S) VS
 Roots: none few common many vf f m c
 Boundary: Topography: s w i b
 Distinctness: (a) c g d
 Moisture: Dr (D) M S Se
 Comments:

Depth:
 Texture: s sl sc scl l c cl sic sicl sil si
 gravelly stoney DRX IWRX MWRX DG
 Color:
 Mottles: faint distinct prominent
 Structure: gr abk sbk mass other
 Consistence: L VFr Fr F VF EF S
 Plasticity: NP SP P VP
 Stickiness: NS SS S VS
 Roots: none few common many vf f m c
 Boundary: Topography: s w i b
 Distinctness: a c g d
 Moisture: Dr D M S Se
 Comments:
 Total Depth: Effective Depth:
 Ground Water Depth:

SOIL MANTLE LOG

APN: 051240116, Lot 2

Date: 11/17/93

Page 3 of 3

Profile #: 4 Slope: 16°/6
 Depth: 0-12"
 Texture: s sl sc scl l c (cl) sic sil sil si
 gravelly stoney DRX IWRX MWRX DG
 Color: 5YR4/6
 Mottles: faint distinct prominent
 Structure: gr abk (sbk) mass other
 Consistence: L VFr Fr F VF EF S
 Plasticity: NP SP (P) VP
 Stickiness: NS SS (S) VS
 Roots: none few (common) many vf f m c
 Boundary: Topography: s w i b
 Distinctness: (a) c g d
 Moisture: (Dr) D M S Se

Comments:

Depth: 12-23"
 Texture: s sl sc scl l (c) cl sic sil sil si
 gravelly stoney DRX IWRX MWRX DG
 Color: 5YR5/4
 Mottles: faint distinct (prominent) Along rear
 Structure: gr abk sbk mass other Channels
 Consistence: L VFr Fr F (VF) EF S Columnar
 Plasticity: NP SP (P) VP
 Stickiness: NS SS (S) VS
 Roots: none few (common) many vf f m c
 Boundary: Topography: s w i b
 Distinctness: (a) c g d
 Moisture: Dr D M S Se

Comments:

Depth: 23-36"
 Texture: s sl sc scl l (c) cl sic sil sil si
 (gravelly) stoney DRX IWRX MWRX DG
 Color: 5YR5/8
 Mottles: faint distinct prominent
 Structure: gr (abk) sbk mass other
 Consistence: L VFr Fr F VF (EF) S
 Plasticity: NP SP (P) VP
 Stickiness: NS SS (S) VS
 Roots: none (few) common many vf f m c
 Boundary: Topography: s w i b
 Distinctness: (a) c g d
 Moisture: (Dr) D M S Se

Comments:

Depth:
 Texture: s sl sc scl l c cl sic sil sil si
 gravelly stoney DRX IWRX MWRX DG
 Color:
 Mottles: faint distinct prominent
 Structure: gr abk sbk mass other
 Consistence: L VFr Fr F VF EF S
 Plasticity: NP SP P VP
 Stickiness: NS SS S VS
 Roots: none few common many vf f m c
 Boundary: Topography: s w i b
 Distinctness: a c g d
 Moisture: Dr D M S Se
 Comments:
 Total Depth: Effective Depth:
 Ground Water Depth:

Profile #: 5 Slope: 13°/6
 Depth: 0-12"
 Texture: s sl sc scl l c (cl) sic sil sil si
 gravelly stoney DRX IWRX MWRX DG
 Color: 2.5YR4/6
 Mottles: faint distinct prominent
 Structure: gr abk (sbk) mass other
 Consistence: L VFr (Fr) F VF EF S
 Plasticity: NP SP (P) VP
 Stickiness: NS SS (S) VS
 Roots: none few (common) many vf f m c
 Boundary: Topography: s w i b
 Distinctness: a c g d
 Moisture: Dr D M S Se

Comments:

Depth: 12-27"
 Texture: s sl sc scl l (c) cl sic sil sil si
 gravelly stoney DRX IWRX MWRX DG
 Color: 2.5Y5/4
 Mottles: faint distinct prominent
 Structure: gr abk sbk mass other
 Consistence: L VFr Fr F (VF) EF S
 Plasticity: NP SP (P) VP
 Stickiness: NS SS (S) VS
 Roots: none (few) common many vf f m c
 Boundary: Topography: s w i b
 Distinctness: (a) c g d
 Moisture: Dr (D) M S Se

Comments:

Depth:
 Texture: s sl sc scl l c cl sic sil sil si
 gravelly stoney DRX IWRX MWRX DG
 Color:
 Mottles: faint distinct prominent
 Structure: gr abk sbk mass other
 Consistence: L VFr Fr F VF EF S
 Plasticity: NP SP P VP
 Stickiness: NS SS S VS
 Roots: none few common many vf f m c
 Boundary: Topography: s w i b
 Distinctness: a c g d
 Moisture: Dr D M S Se

Comments:

Depth:
 Texture: s sl sc scl l c cl sic sil sil si
 gravelly stoney DRX IWRX MWRX DG
 Color:
 Mottles: faint distinct prominent
 Structure: gr abk sbk mass other
 Consistence: L VFr Fr F VF EF S
 Plasticity: NP SP P VP
 Stickiness: NS SS S VS
 Roots: none few common many vf f m c
 Boundary: Topography: s w i b
 Distinctness: a c g d
 Moisture: Dr D M S Se
 Comments:
 Total Depth: Effective Depth:
 Ground Water Depth:

PS 142 Dec 22, 1993

CHALPIN
ENVIRONMENTAL SERVICES

PROPERTY LOCATION _____ JOB NO. _____

ADDRESS _____ PHONE NO. _____

OWNER C. Heskell Investments DOMESTIC WATER SOURCE

PARCEL NO. 05-240-16, Lot 2

DATA OBTAINED FROM PERCOLATION TEST

HOLE NO. DEPTH OF HOLE	1		2		3		4		5	
	9 1/4"		30"		9 1/4"		30"		9 1/4"	
	TIME	DEPTH TO WATER	TIME	DEPTH TO WATER	TIME	DEPTH TO WATER	TIME	DEPTH TO WATER	TIME	DEPTH TO WATER
	2:57	29 1/2	2:58	29 1/2	2:59	29 1/2	3:00	29 1/2	3:01	29 1/2
	3:07	33 1/4	3:08	33 5/16	3:09	31 7/8	3:30	30 1/4	3:11	32-
	3:07	29 1/2	3:08	29 1/2	3:09	29 1/2	3:30	29 1/2	3:11	29 1/2
	3:17	32 3/4	3:18	32 1/8	3:19	31 1/4	4:00	29 13/16	3:21	31 1/4
	3:17	29 1/2	3:18	29 1/2	3:19	29 1/2	4:00	29 1/2	3:21	29 1/2
	3:27	32 1/8	3:28	31 5/8	3:29	30 5/16	4:30	29 3/4	3:31	30 7/8
	3:27	29 1/2	3:28	29 1/2	3:29	29 1/2			3:31	29 1/2
	3:37	32-	3:38	31 7/16	3:39	30 7/16			3:41	30 5/16
	3:37	29 1/2	3:38	29 1/2	3:39	29 1/2			3:41	29 1/2
	3:47	31 3/4	3:48	31 1/4	3:49	30 7/16			3:51	31-
	3:47	29 1/2	3:48	29 1/2	3:49	29 1/2			3:51	29 1/2
	3:57	31 1/4	3:58	31 1/16	3:59	30 1/2			4:01	30 15/16
STABILIZED RATE (min./in.)	5		6.4		10		120		6.96	

+ 0.925" = 8
AVERAGE PERCOLATION RATE: 0.30" = 94 (min./in.)

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.

James J. Chalpin
SIGNATURE OF REGISTERED PERSON

ED DONALD
NAME OF PERSON CONDUCTING TEST

* 1.14 ADJUSTMENT FACTOR APPLIED FOR GRAVEL PACK

