

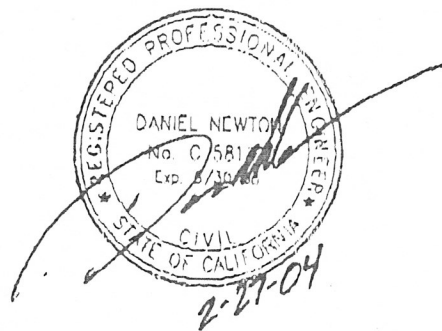
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2/26/04

On-Site Sewage Disposal Report APN: 44-340-042
7493 Redhill

Percolation tests were conducted in July of 2003 at twelve (12) inch and thirty (30) inch depths. The percolation tests were performed at the locations marked on the attached parcel map. The average rate for the twelve (12) inch depth was 26min/in. and the thirty (30) inch depth was 61 min/in. The recommended system is a pressure dosed leach field with a sand filter pretreatment system for sewage disposal. A drain should be installed above the M.U.S.D.A. to divert surface and subsurface runoff away from the leach field.

The recommended minimum usable septic disposal area (M.U.S.D.A.) is 10,000 square feet and shall be provided in the area shown on the attached plot map. The mantle and percolation tests are attached.



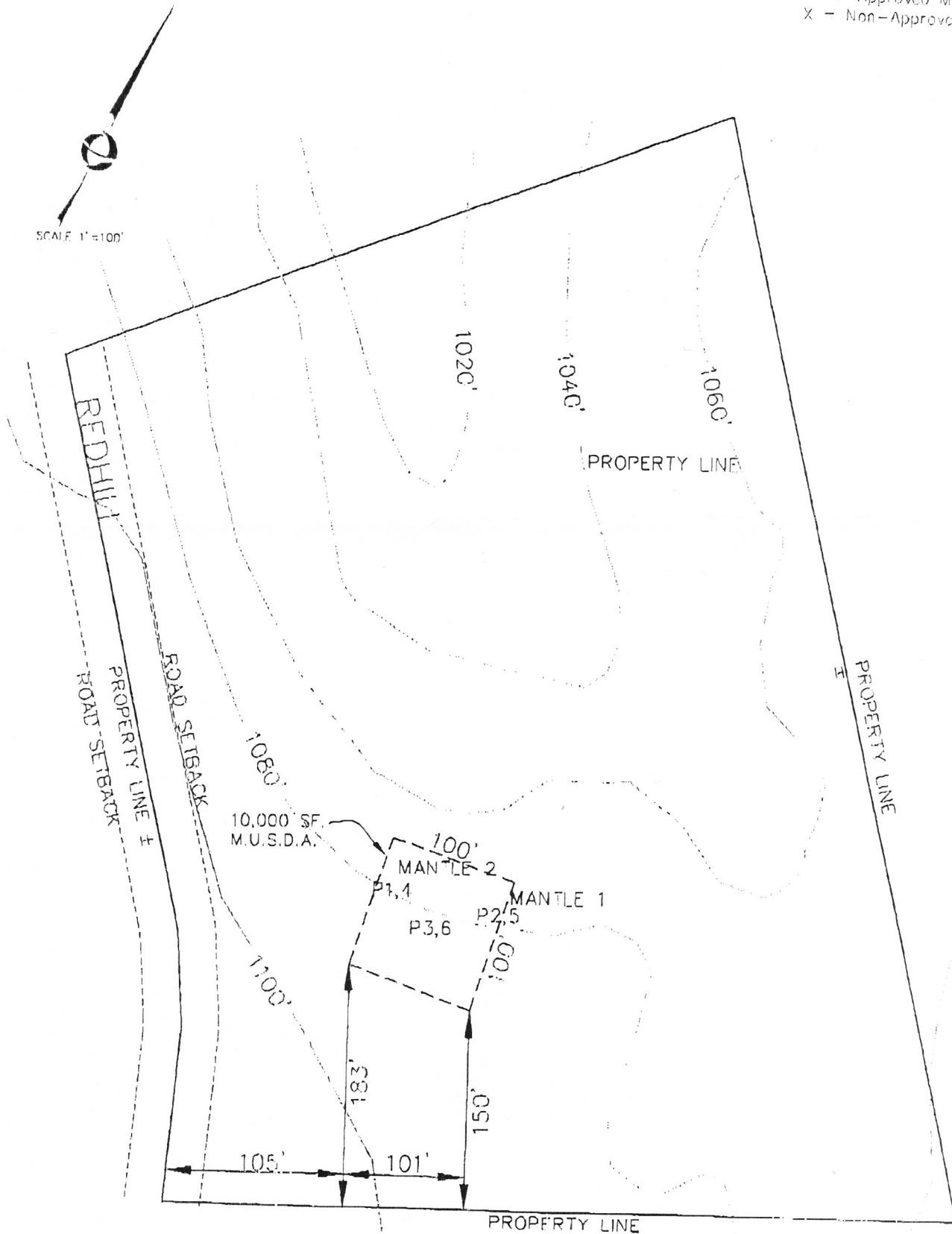
READ, UNDERSTOOD

& APPROVED _____

S PQA

APN: 44-340-042
7493 REDHILL
SEWAGE DISPOSAL SITE

P#- Percolation Hole
= Approved Mantle
X - Non-Approved Mantle





EQUA ENGINEERING

Soil Mantle Observation:

Developer: Mike Stimler
 Location: 7493 Redhill Rd
Brownsvalley, CA
 Parcel No.: APN: 44-340-042

Job No.: 03566
 Test Date: July-03
 Domestic Water: Well

Depth	Texture	Color	Structure	Consistency	Moist	Roots	% Rocks
Mantle No. 1							
0" - 24"	CL	Redish Brwn	BL	L	Dr	Yes	2%
24" - 30"	CL	Redish Brwn	BL	Fr	D	Yes	40%
30" - 36"	CL	Redish Brwn	BL	F	D	Yes	75%
Mantle No. 2							
0" - 15"	CL	Redish Brwn	BL	L	Dr	Yes	2%
15" - 30"	CL	Redish Brwn	BL	Fr	D	Yes	10%
30" - 36"	C	Gray - Tan	B-M	F	D	No	15%

Comments: Based on the mantle, the recommended system is a pressure dosed system for soil absorption,
with a sand filter pretreatment system, as long as the percolation rates meet Yuba County Standards.
Percolation testing at 12" and 30" depth will be preformed for design purposes.

Ground Water: None Avg. Slope: Approx 15% to the east
 Rock Outcrop: Floaters and pockels Wells: Yes
 Vegetation: Native grass and oaks Structures: None
 Stream/Pond: Ravine Preformed By: M. Johnson

Abbreviations:

USDA Texture: Gravel= G, Sand= S, Loamy Sand= LS, Sandy Loam= SL, Sandy Clay Loam= SCL, Sandy Clay= SC
 Silt Loam= SIL, Loam= L, Clay Loam= CL, Silty Clay Loam= SICL, Clay= C, Decomposed Granite= DG
 Structure: Granular= G, Platy= P, Blocky= B, Prismatic= PR, Massive= M, Columnar= C, Subangular Blocky= SB
 Consistency: Loose= L, Friable= Fr, Firm= F, Plastic= P, Sticky= St, Hard= H, Soft= S, Cemented= C
 Moisture: Dry= Dr, Damp= D, Very Damp= VD, Saturated= S, Seepage= Se



EQUA ENGINEERING

Percolation Test Field Data:

Developer: Mike Stimler
 Location: 7493 Redhill Rd
Brownsvalley, CA
 Parcel No.: APN: 44-340-042

Job No.: 03566
 Test Date: July-03
 Domestic Water: Well

Perc Hole : <u>1</u> Depth: <u>12</u> in.			Perc Hole : <u>2</u> Depth: <u>12</u> in.			Perc Hole : <u>3</u> Depth: <u>12</u> in.		
Time	6" Fill (Inch)	Ending (Inch)	Time	6" Fill (Inch)	Ending (Inch)	Time	6" Fill (Inch)	Ending (Inch)
8:28	9 6/16	-----	8:28	8 8/16	-----	8:30	8 4/16	-----
8:58	9 6/16	7 8/16	8:59	8 8/16	6 2/16	9:00	8 4/16	6 10/16
9:28	9 6/16	7 14/16	9:29	8 8/16	6 8/16	9:30	8 4/16	7
9:58	9 6/16	8 1/16	9:59	8 8/16	6 12/16	10:00	8 4/16	7 2/16
10:28	9 6/16	8 2/16	10:29	8 8/16	6 14/16	10:30	8 4/16	7 4/16
10:58	9 6/16	8 2/16	10:59	8 8/16	6 14/16	11:00	8 4/16	7 6/16
11:28	9 6/16	8 2/16	11:29	8 8/16	6 14/16	11:30	8 4/16	7 6/16
11:58	9 6/16	8 2/16	11:59	8 8/16	6 14/16	12:00	8 4/16	7 6/16
12:28	-----	8 2/16	12:29	---	6 14/16	12:30	-----	7 6/16
	24.0	min/in		18.5	min/in		34.3	min/in

AVERAGE PERCOLATION RATE: 26 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.


 SIGNATURE OF REGISTERED PERSON

M. Johnson
 PERSON CONDUCTING TEST



Percolation Test Field Data:

Developer: Mike Stimler
 Location: 7493 Redhill Rd
Brownsvalley, CA
 Parcel No.: APN: 44-340-042

Job No.: 03566
 Test Date: July-03
 Domestic Water: Well

Perc Hole : <u>4</u> Depth: <u>30</u> in.			Perc Hole : <u>5</u> Depth: <u>30</u> in.			Perc Hole : <u>6</u> Depth: <u>30</u> in.		
Time	6" Fill (Inch)	Ending (Inch)	Time	6" Fill (inch)	Ending (Inch)	Time	6" Fill (inch)	Ending (Inch)
8:28	9 8/16	-----	8:29	8 14/16	-----	8:30	10	-----
8:58	9 8/16	8 6/16	8:59	8 14/16	7 4/16	9:00	10	9 4/16
9:28	9 8/16	8 12/16	9:29	8 14/16	7 8/16	9:30	10	9 8/16
9:58	9 8/16	8 14/16	9:59	8 14/16	7 10/16	10:00	10	9 10/16
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10:58	9 8/16	9	10:59	8 14/16	7 12/16	11:00	10	9 11/16
11:28	9 8/16	9	11:29	8 14/16	7 12/16	11:30	10	9 11/16
11:58	9 8/16	9	11:59	8 14/16	7 12/16	12:00	10	9 11/16
12:28	-----	9	12:29	-----	7 12/16	12:30	-----	9 11/16
60.0 min/in			26.7 min/in			96.0 min/in		

AVERAGE PERCOLATION RATE: 61 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.


 SIGNATURE OF REGISTERED PERSON

M. Johnson
 PERSON CONDUCTING TEST