

Chalpin Environmental
P.O. Box 2223
Nevada City, CA 95959
530-277-3914

2017 AUG 16 PM 4: 16
RECEIVED
PLANNING DEPARTMENT

July 16, 2017

APN 037-010-72, Highway 50, Echo Summit, Parcel #1

Findings

On 06/20/17 Chalpin Environmental conducted soil testing. Percolation tests were conducted in the vicinity of soil mantle 1. The average percolation rate is 15 minutes per inch. The M.U.S.D.A. shall be 8,000 square feet. The effective soil depth is 52" deep. The proposed sewage system shall be a pretreatment followed by Geoflow drip field. Loading rate of .4gal/ft²/day, soil class III (Geoflow Table 1), 438 lineal feet of 6" deep Geoflow dripline for 350 gallons of waste flow.

Limitations

Percolation tests were conducted as per County Environmental Health standards. Actual infiltration rates may vary according to geological weathering and individual use. Excessive use of garbage disposals or plumbing of water softeners into the septic system may cause premature failure of the leach field.

If you have any questions feel free to contact me at 530-273-2111.

Very truly yours,



Susan G. Chalpin

R.E.H.S. # 5212

Encl: perc tests, soil mantle logs



Exhibit H

CHALPIN ENVIRONMENTAL

P.O. BOX 2223, NEVADA CITY, CA 95959

PERCOLATION TEST DATA SHEET

APN: 037-010-72, Parcel #1

Site Address: Highway 50, Echo Summit

Perc Test Date: 06/27/17

Test conducted by: D. Fought

PERCOLATION TEST HOLE #1			
Depth:			30"
Readings	Refill to	Drop	
1	29.5	2 ¾	
2	29.5	2 5/8	
3	29.5	2 ¼	
4	29.5	2	
5	29.5	2	
6	29.5	2	
7	29.5		
8	29.5		
9			
10			
Stabilized Perc Rate:			6

PERCOLATION TEST HOLE #2			
Depth:			30"
Readings	Refill to	Drop	
1	29.5	3	
2	29.5	2 ¼	
3	29.5	2	
4	29.5	2	
5	29.5		
6	29.5		
7	29.5		
8	29.5		
9			
10			
Stabilized Perc Rate:			17

PERCOLATION TEST HOLE #3			
Depth:			30"
Readings	Refill to	Drop	
1	29.5	2	
2	29.5	1 ¾	
3	29.5	1 ½	
4	29.5	1 7/16	
5	29.5	1 7/16	
6	29.5		
7	29.5		
8	29.5		
9			
10			
Stabilized Perc Rate:			24

NOTE: Stabilized Rate includes 1.14 correction factor.

AVERAGE PERCOLATION RATE:	15 mpi
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PERCOLATION TEST DATA SHEET

APN: 037-010-72, Parcel #1
Site Address: Highway 50, Echo Summit

Perc Test Date: 06/27/17
Test conducted by: D. Fought

PERCOLATION TEST HOLE #4			
Depth:		30"	
Readings	Refill to	Drop	
1	29.5	3	
2	29.5	2 7/8	
3	29.5	2 5/8	
4	29.5	2 1/4	
5	29.5	2 1/4	
6	29.5		
7	29.5		
8	29.5		
9			
10			
Stabilized Perc Rate:			10

PERCOLATION TEST HOLE #			
Depth:		30"	
Readings	Refill to	Drop	
1	29.5		
2	29.5		
3	29.5		
4	29.5		
5	29.5		
6	29.5		
7	29.5		
8	29.5		
9			
10			
Stabilized Perc Rate:			

PERCOLATION TEST HOLE #			
Depth:		30"	
Readings	Refill to	Drop	
1	29.5		
2	29.5		
3	29.5		
4	29.5		
5	29.5		
6	29.5		
7	29.5		
8	29.5		
9			
10			
Stabilized Perc Rate:			

NOTE: Stabilized Rate includes 1.14 correction factor.

AVERAGE PERCOLATION RATE:	15 mpi
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July 16, 2017

APN 037-010-72, Highway 50, Echo Summit, Parcel #2

Findings


On 06/20/17 Chalpin Environmental conducted soil testing. Percolation tests were conducted in the vicinity of soil mantle 2. The average percolation rate is 12 minutes per inch. The M.U.S.D.A. shall be 8,000 square feet. The effective soil depth is 96" deep. The proposed sewage system shall be a standard leach field with 36" wide 36" deep leach lines, 116 lineal feet for 350 gallons of flow.

Limitations

Percolation tests were conducted as per County Environmental Health standards. Actual infiltration rates may vary according to geological weathering and individual use. Excessive use of garbage disposals or plumbing of water softeners into the septic system may cause premature failure of the leach field.

If you have any questions feel free to contact me at 530-273-2111.

Very truly yours,


Susan G. Chalpin

R.E.H.S. # 5212

Encl: perc tests, soil mantle logs



CHALPIN ENVIRONMENTAL

P.O. BOX 2223, NEVADA CITY, CA 95959

PERCOLATION TEST DATA SHEET

APN: 037-010-72, Parcel #2

Site Address: Highway 50, Echo Summit

Perc Test Date: 06/27/17

Test conducted by: D. Fought

PERCOLATION TEST HOLE #1			
Depth:		30"	
Readings	Refill to	Drop	
1	29.5	4	
2	29.5	3 5/8	
3	29.5	3 ½	
4	29.5	3 ¼	
5	29.5	3 ¼	
6	29.5		
7	29.5		
8	29.5		
9			
10			
Stabilized Perc Rate:			11

PERCOLATION TEST HOLE #2			
Depth:		30"	
Readings	Refill to	Drop	
1	29.5	3 7/8	
2	29.5	3	
3	29.5	2 7/16	
4	29.5	2 1/2	
5	29.5		
6	29.5		
7	29.5		
8	29.5		
9			
10			
Stabilized Perc Rate:			14

PERCOLATION TEST HOLE #3			
Depth:		30"	
Readings	Refill to	Drop	
1	29.5	3 ½	
2	29.5	3 ¼	
3	29.5	3	
4	29.5	3	
5	29.5		
6	29.5		
7	29.5		
8	29.5		
9			
10			
Stabilized Perc Rate:			11

NOTE: Stabilized Rate includes 1.14 correction factor.

AVERAGE PERCOLATION RATE:	12 mpi
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CHALPIN ENVIRONMENTAL

P.O. BOX 2223, NEVADA CITY, CA 95959

PERCOLATION TEST DATA SHEET

APN: 037-010-72, Parcel #2

Site Address: Highway 50, Echo Summit

Perc Test Date: 06/27/17

Test conducted by: D. Fought

Readings taken every 30 minutes	PERCOLATION TEST HOLE #4		
	Depth:		30"
	Readings	Refill to	Drop
	1	29.5	3 ½
	2	29.5	3 1/8
	3	29.5	3
	4	29.5	2 ¾
	5	29.5	2 ¾
	6	29.5	
	7	29.5	
8	29.5		
9			
10			
Stabilized Perc Rate:		10	

Readings taken every 30 minutes	PERCOLATION TEST HOLE #		
	Depth:		30"
	Readings	Refill to	Drop
	1	29.5	
	2	29.5	
	3	29.5	
	4	29.5	
	5	29.5	
	6	29.5	
	7	29.5	
8	29.5		
9			
10			
Stabilized Perc Rate:			

Readings taken every 30 minutes	PERCOLATION TEST HOLE #		
	Depth:		30"
	Readings	Refill to	Drop
	1	29.5	
	2	29.5	
	3	29.5	
	4	29.5	
	5	29.5	
	6	29.5	
	7	29.5	
8	29.5		
9			
10			
Stabilized Perc Rate:			

NOTE: Stabilized Rate includes 1.14 correction factor.

AVERAGE PERCOLATION RATE:	12 mpi
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SOIL TEST-PIT LOG

Test Date: 06/20/17

Page of

Parent Rock Type: V G MS A Other Consultant: SC ES

SOIL PIT# 1 1st HORIZON Depth: 0 to 40
Slope: 28% Aspect:
Texture: s ls sl sc scl l c cl sic sicl sil si DRX IWRX MWRX DG
Rock Fragments: gravel % cobble % stone %
Color: 104R413
Redoxymorphic Features: none few common many
RC color RD color RM color
Structure: gran platy block prism f m c single grain massive
Soil Pores: none few common many f m c inters tubular
Moist Consistence: l vfr fr f vf ef
Plasticity: np sp mp vp Stickiness: ns ss ms vs
Roots: none few common many vf f m c
Boundary: Distinctness: a c g d Topography: s w i b
Moisture: dry moist wet saturated
NOTES:

Same as SOIL PIT #, Horizon #

2nd HORIZON Depth: 40 to 60
Texture: s ls sl sc scl l c cl sic sicl sil si DRX IWRX MWRX DG
Rock Fragments: gravel % cobble % stone %
Color: 104R2514
Redoxymorphic Features: none few common many
RC color RD color RM color
Structure: gran platy block prism f m c single grain massive
Soil Pores: none few common many f m c inters tubular
Moist Consistence: l vfr fr f vf ef
Plasticity: np sp mp vp Stickiness: ns ss ms vs
Roots: none few common many vf f m c
Boundary: Distinctness: a c g d Topography: s w i b
Moisture: dry moist wet saturated
NOTES:

Same as SOIL PIT #, Horizon #

3rd HORIZON Depth: to
Texture: s ls sl sc scl l c cl sic sicl sil si DRX IWRX MWRX DG
Rock Fragments: gravel % cobble % stone %
Color:
Redoxymorphic Features: none few common many
RC color RD color RM color
Structure: gran platy block prism f m c single grain massive
Soil Pores: none few common many f m c inters tubular
Moist Consistence: l vfr fr f vf ef
Plasticity: np sp mp vp Stickiness: ns ss ms vs
Roots: none few common many vf f m c
Boundary: Distinctness: a c g d Topography: s w i b
Moisture: dry moist wet saturated
NOTES: 20" sheet flow

Same as SOIL PIT #, Horizon #

4th HORIZON Depth: to
Texture: s ls sl sc scl l c cl sic sicl sil si DRX IWRX MWRX DG
Rock Fragments: gravel % cobble % stone %
Color:
Redoxymorphic Features: none few common many
RC color RD color RM color
Structure: gran platy block prism f m c single grain massive
Soil Pores: none few common many f m c inters tubular
Moist Consistence: l vfr fr f vf ef
Plasticity: np sp mp vp Stickiness: ns ss ms vs
Roots: none few common many vf f m c
Boundary: Distinctness: a c g d Topography: s w i b
Moisture: dry moist wet saturated
NOTES:

Same as SOIL PIT #, Horizon #

Effective Soil Depth: 60" Groundwater

Consultant Signature

County Staff Signature

SOIL PIT# 2 1st HORIZON Depth: 0 to 56
Slope: 14% Aspect:
Texture: s ls sl sc scl l c cl sic sicl sil si DRX IWRX MWRX DG
Rock Fragments: gravel % cobble % stone %
Color: 104R413
Redoxymorphic Features: none few common many
RC color RD color RM color
Structure: gran platy block prism f m c single grain massive
Soil Pores: none few common many f m c inters tubular
Moist Consistence: l vfr fr f vf ef
Plasticity: np sp mp vp Stickiness: ns ss ms vs
Roots: none few common many vf f m c
Boundary: Distinctness: a c g d Topography: s w i b
Moisture: dry moist wet saturated
NOTES:

Same as SOIL PIT #, Horizon #

2nd HORIZON Depth: 56 to 96
Texture: s ls sl sc scl l c cl sic sicl sil si DRX IWRX MWRX DG
Rock Fragments: gravel % cobble % stone %
Color: 104R413
Redoxymorphic Features: none few common many
RC color RD color RM color
Structure: gran platy block prism f m c single grain massive
Soil Pores: none few common many f m c inters tubular
Moist Consistence: l vfr fr f vf ef
Plasticity: np sp mp vp Stickiness: ns ss ms vs
Roots: none few common many vf f m c
Boundary: Distinctness: a c g d Topography: s w i b
Moisture: dry moist wet saturated
NOTES:

Same as SOIL PIT #, Horizon #

3rd HORIZON Depth: to
Texture: s ls sl sc scl l c cl sic sicl sil si DRX IWRX MWRX DG
Rock Fragments: gravel % cobble % stone %
Color:
Redoxymorphic Features: none few common many
RC color RD color RM color
Structure: gran platy block prism f m c single grain massive
Soil Pores: none few common many f m c inters tubular
Moist Consistence: l vfr fr f vf ef
Plasticity: np sp mp vp Stickiness: ns ss ms vs
Roots: none few common many vf f m c
Boundary: Distinctness: a c g d Topography: s w i b
Moisture: dry moist wet saturated
NOTES:

Same as SOIL PIT #, Horizon #

4th HORIZON Depth: to
Texture: s ls sl sc scl l c cl sic sicl sil si DRX IWRX MWRX DG
Rock Fragments: gravel % cobble % stone %
Color:
Redoxymorphic Features: none few common many
RC color RD color RM color
Structure: gran platy block prism f m c single grain massive
Soil Pores: none few common many f m c inters tubular
Moist Consistence: l vfr fr f vf ef
Plasticity: np sp mp vp Stickiness: ns ss ms vs
Roots: none few common many vf f m c
Boundary: Distinctness: a c g d Topography: s w i b
Moisture: dry moist wet saturated
NOTES:

Same as SOIL PIT #, Horizon #

Effective Soil Depth: 60" Groundwater

APN JOB #

Notes:

site 2

Chalpin Environmental
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July 16, 2017

APN 037-010-72, Highway 50, Echo Summit, Parcel #3

Findings

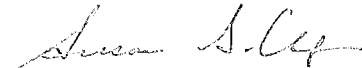
On 06/20/17 Chalpin Environmental conducted soil testing. Percolation tests were conducted in the vicinity of soil mantle 1. The average percolation rate is 10 minutes per inch. The M.U.S.D.A. shall be 8,000 square feet. The effective soil depth is 52" deep. The proposed sewage system shall be a pretreatment followed by Geoflow drip field. Loading rate of 1.0 gal/ft²/day, soil class II (Geoflow Table 1), 175 lineal feet of 6" deep Geoflow dripline for 350 gallons of waste flow.

Limitations

Percolation tests were conducted as per County Environmental Health standards. Actual infiltration rates may vary according to geological weathering and individual use. Excessive use of garbage disposals or plumbing of water softeners into the septic system may cause premature failure of the leach field.

If you have any questions feel free to contact me at 530-273-2111.

Very truly yours,



Susan G. Chalpin

R.E.H.S. # 5212

Encl: perc tests, soil mantle logs



CHALPIN ENVIRONMENTAL
P.O. BOX 2223, NEVADA CITY, CA 95959

PERCOLATION TEST DATA SHEET

APN: 037-010-72, Parcel #3
Site Address: Highway 50, Echo Summit

Perc Test Date: 06/27/17
Test conducted by: D. Fought

PERCOLATION TEST HOLE #1			
Depth:		30"	
Readings	Refill to	Drop	
1	29.5	4 1/2	
2	29.5	4	
3	29.5	3 3/4	
4	29.5	3 1/2	
5	29.5	3 7/16	
6	29.5		
7	29.5		
8	29.5		
9			
10			
Stabilized Perc Rate:			10

PERCOLATION TEST HOLE #2			
Depth:		30"	
Readings	Refill to	Drop	
1	29.5	3 1/2	
2	29.5	3 1/4	
3	29.5	3 1/8	
4	29.5	3	
5	29.5		
6	29.5		
7	29.5		
8	29.5		
9			
10			
Stabilized Perc Rate:			11

PERCOLATION TEST HOLE #3			
Depth:		30"	
Readings	Refill to	Drop	
1	29.5	4	
2	29.5	3 5/8	
3	29.5	3 1/2	
4	29.5	3 1/2	
5	29.5		
6	29.5		
7	29.5		
8	29.5		
9			
10			
Stabilized Perc Rate:			10

NOTE: Stabilized Rate includes 1.14 correction factor.

AVERAGE PERCOLATION RATE:	10 mpi
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CHALPIN ENVIRONMENTAL

P.O. BOX 2223, NEVADA CITY, CA 95959

PERCOLATION TEST DATA SHEET

APN: 037-010-72, Parcel #3

Site Address: Highway 50, Echo Summit

Perc Test Date: 06/27/17

Test conducted by: D. Fought

Readings taken every 30 minutes	PERCOLATION TEST HOLE #4		
	Depth:		30"
	Readings	Refill to	Drop
	1	29.5	4 ½
	2	29.5	4 ¼
	3	29.5	4
	4	29.5	3 ¾
	5	29.5	3 ¾
	6	29.5	
	7	29.5	
8	29.5		
9			
10			
Stabilized Perc Rate:		9	

Readings taken every 30 minutes	PERCOLATION TEST HOLE #		
	Depth:		30"
	Readings	Refill to	Drop
	1	29.5	
	2	29.5	
	3	29.5	
	4	29.5	
	5	29.5	
	6	29.5	
	7	29.5	
8	29.5		
9			
10			
Stabilized Perc Rate:			

Readings taken every 30 minutes	PERCOLATION TEST HOLE #		
	Depth:		30"
	Readings	Refill to	Drop
	1	29.5	
	2	29.5	
	3	29.5	
	4	29.5	
	5	29.5	
	6	29.5	
	7	29.5	
8	29.5		
9			
10			
Stabilized Perc Rate:			

NOTE: Stabilized Rate includes 1.14 correction factor.

AVERAGE PERCOLATION RATE:	10 mpi
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Parent Rock Type: V G MS A Other Consultant: SC ES

SOIL PIT# 1 1ST HORIZON Depth: 0 to 36
 Slope: 23 % Aspect: _____
 Texture: s ls sl sc scl l c cl sic sicl sil sl DRX IWRX MWRX DG
 Rock Fragments: gravel _____ % cobble _____ % stone _____ %
 Color: _____
 Redoxymorphic Features: none few common many
 RC color _____ RD color _____ RM color _____
 Structure: gran platy block prism f m c single grain massive
 Soil Pores: none few common many f m c inters tubular
 Moist Consistence: l vlr fr f vf ef
 Plasticity: np sp mp vp Stickiness: ns ss ms vs
 Roots: none few common many vf f m c
 Boundary: Distinctness: a c g d Topography: s w l b
 Moisture: dry moist wet saturated
 NOTES: _____

Same as SOIL PIT # _____, Horizon # _____

2ND HORIZON Depth: 36 to 96
 Texture: s ls sl sc scl l c cl sic sicl sil sl DRX IWRX MWRX DG
 Rock Fragments: gravel _____ % cobble _____ % stone _____ %
 Color: _____
 Redoxymorphic Features: none few common many
 RC color _____ RD color _____ RM color _____
 Structure: gran platy block prism f m c single grain massive
 Soil Pores: none few common many f m c inters tubular
 Moist Consistence: l vlr fr f vf ef
 Plasticity: np sp mp vp Stickiness: ns ss ms vs
 Roots: none few common many vf f m c
 Boundary: Distinctness: a c g d Topography: s w l b
 Moisture: dry moist wet saturated
 NOTES: _____

Same as SOIL PIT # _____, Horizon # _____

3RD HORIZON Depth: _____ to _____
 Texture: s ls sl sc scl l c cl sic sicl sil sl DRX IWRX MWRX DG
 Rock Fragments: gravel _____ % cobble _____ % stone _____ %
 Color: _____
 Redoxymorphic Features: none few common many
 RC color _____ RD color _____ RM color _____
 Structure: gran platy block prism f m c single grain massive
 Soil Pores: none few common many f m c inters tubular
 Moist Consistence: l vlr fr f vf ef
 Plasticity: np sp mp vp Stickiness: ns ss ms vs
 Roots: none few common many vf f m c
 Boundary: Distinctness: a c g d Topography: s w l b
 Moisture: dry moist wet saturated
 NOTES: _____

Same as SOIL PIT # _____, Horizon # _____

4TH HORIZON Depth: _____ to _____
 Texture: s ls sl sc scl l c cl sic sicl sil sl DRX IWRX MWRX DG
 Rock Fragments: gravel _____ % cobble _____ % stone _____ %
 Color: _____
 Redoxymorphic Features: none few common many
 RC color _____ RD color _____ RM color _____
 Structure: gran platy block prism f m c single grain massive
 Soil Pores: none few common many f m c inters tubular
 Moist Consistence: l vlr fr f vf ef
 Plasticity: np sp mp vp Stickiness: ns ss ms vs
 Roots: none few common many vf f m c
 Boundary: Distinctness: a c g d Topography: s w l b
 Moisture: dry moist wet saturated
 NOTES: _____

Same as SOIL PIT # _____, Horizon # _____

Effective Soil Depth: _____ Groundwater

Consultant Signature _____
by Staff Signature _____

SOIL PIT# 2 1ST HORIZON Depth: 0 to 20
 Slope: 20 % Aspect: _____
 Texture: s ls sl sc scl l c cl sic sicl sil sl DRX IWRX MWRX DG
 Rock Fragments: gravel _____ % cobble _____ % stone _____ %
 Color: _____
 Redoxymorphic Features: none few common many
 RC color _____ RD color _____ RM color _____
 Structure: gran platy block prism f m c single grain massive
 Soil Pores: none few common many f m c inters tubular
 Moist Consistence: l vlr fr f vf ef
 Plasticity: np sp mp vp Stickiness: ns ss ms vs
 Roots: none few common many vf f m c
 Boundary: Distinctness: a c g d Topography: s w l b
 Moisture: dry moist wet saturated
 NOTES: _____

Same as SOIL PIT # _____, Horizon # _____

2ND HORIZON Depth: _____ to _____
 Texture: s ls sl sc scl l c cl sic sicl sil sl DRX IWRX MWRX DG
 Rock Fragments: gravel _____ % cobble _____ % stone _____ %
 Color: _____
 Redoxymorphic Features: none few common many
 RC color _____ RD color _____ RM color _____
 Structure: gran platy block prism f m c single grain massive
 Soil Pores: none few common many f m c inters tubular
 Moist Consistence: l vlr fr f vf ef
 Plasticity: np sp mp vp Stickiness: ns ss ms vs
 Roots: none few common many vf f m c
 Boundary: Distinctness: a c g d Topography: s w l b
 Moisture: dry moist wet saturated
 NOTES: _____

Same as SOIL PIT # _____, Horizon # _____

3RD HORIZON Depth: _____ to _____
 Texture: s ls sl sc scl l c cl sic sicl sil sl DRX IWRX MWRX DG
 Rock Fragments: gravel _____ % cobble _____ % stone _____ %
 Color: _____
 Redoxymorphic Features: none few common many
 RC color _____ RD color _____ RM color _____
 Structure: gran platy block prism f m c single grain massive
 Soil Pores: none few common many f m c inters tubular
 Moist Consistence: l vlr fr f vf ef
 Plasticity: np sp mp vp Stickiness: ns ss ms vs
 Roots: none few common many vf f m c
 Boundary: Distinctness: a c g d Topography: s w l b
 Moisture: dry moist wet saturated
 NOTES: _____

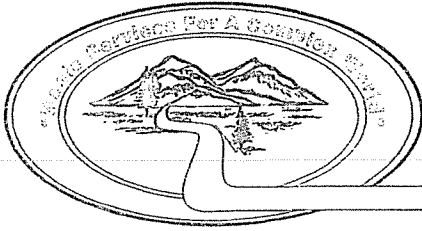
Same as SOIL PIT # _____, Horizon # _____

4TH HORIZON Depth: _____ to _____
 Texture: s ls sl sc scl l c cl sic sicl sil sl DRX IWRX MWRX DG
 Rock Fragments: gravel _____ % cobble _____ % stone _____ %
 Color: _____
 Redoxymorphic Features: none few common many
 RC color _____ RD color _____ RM color _____
 Structure: gran platy block prism f m c single grain massive
 Soil Pores: none few common many f m c inters tubular
 Moist Consistence: l vlr fr f vf ef
 Plasticity: np sp mp vp Stickiness: ns ss ms vs
 Roots: none few common many vf f m c
 Boundary: Distinctness: a c g d Topography: s w l b
 Moisture: dry moist wet saturated
 NOTES: _____

Same as SOIL PIT # _____, Horizon # _____

Effective Soil Depth: _____ Groundwater

APN _____ JOB # _____
Notes: _____



South Tahoe Public Utility District

2017 AUG 16 PM 4: 12

RECEIVED
PLANNING DEPARTMENT

1275 Meadow Crest Drive • South Lake Tahoe • CA 96150-7401
Phone 530 544-6474 • Fax 530 541-0614 • www.stpud.us

November 20, 2008

William Milano
1034 Emerald Bay Road, #196
South Lake Tahoe, CA 96150

Attn: Mr. Milano

Site: **Echo Summit, CA – New Well**

Date: **11/14/2008** Time: **13:00**

ID#: **20081114-13**

Test	Units	Your Result	Method	DLR	Date Tested	Calif Drinking Water MCL
Total Coliforms	/100 mL	Absent	Std Methods 9223 B	1	11/14/08	Absent
<i>E. coli</i>	/100 mL	Absent	Std Methods 9223 B	1	11/14/08	Absent
Arsenic	µg/L	2.24	Std Meth 3113 B	2	11/20/8	10
Lead	µg/L	ND	Std Meth 3113 B	2.5	11/20/8	15

Absent means bacteria not detected.

Present means bacteria have been detected.

ND = Not detected at or above the Detection Limit for Reporting (DLR)

mg/L = parts per million

µg/L = parts per billion

DLR = Detection Limit for Reporting (lowest level the method can accurately detect and report a result)

MCL = Maximum contaminant level (allowed)

Report Approved by: _____

ELAP# 1569

This report is applicable only to the sample received by the laboratory. The liability of the laboratory is limited to the amount paid for this report. This report is for the exclusive use of the client to whom it is addressed and upon the condition that the client assumes all liability for the further distribution of the report or its contents.

Exhibit I

CU075 Hwy 50

WATER SAMPLE TESTING RESULTS:

CUSTOMER:	DATE:
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Red

Clear

5

HARDNESS:

4

WASTE SOAPS, FORMS SCALE, CLOGS HOT WATER HEATERS AND PIPES. 0-3.5 GPG-SOFT; 3.5-7.0 MODERATELY HARD; 7.0-10.5-HARD; 10.5+ VERY HARD

5

IRON:

0.5

STAINING OCCURS AT LEVELS GREATER THAN 0.3ppm

8.5

PH:

8.2

7.0 INDICATES WATER IS NEUTRAL, UNDER 7.0 IS ACIDIC, OVER 7.0 IS ALKALINE, 6.8 OR LESS IS CORROSIVE

MANGANESE:

LEVELS GREATER THAN 0.05ppm BLACK STAINS

ODOR:

CAUSED BY VOLATILE SUBSTANCES

679

TDS:

71

TOTAL DISSOLVED SOLIDS, MINERALS IN SOLUTION

SULPHUR:

ROTTEN EGG ODOR, CORRODES PIPES. ONLY PRESENT IF TESTED AT SOURCE

NITRATE:

NO3 MCL 45ppm, LEACHATE FROM FERTILIZERS, IRRIGATED AGRICULTURE AND SEPTIC TANK DISCHARGES

TANNIN:

SUBSTANCES OF OR DERIVED FROM PLANT OR ANIMAL MATTER

IRON BACTERIA:

PRESENT:

INTERFERES WITH PERFORMANCE OF MOST EQUIPMENT

THE FOLLOWING RECOMMENDATION IS BASED ON THE SUBMITTED WATER SAMPLE AND THE INFORMATION FURNISHED. SHOULD WATER CHARACTERISTICS CHANGE IN THE FUTURE, A NEW WATER ANALYSIS MAY BE NECESSARY.

COMMENTS:

SIGNED: Tom Lang

From: hschmitt@co.el-dorado.ca.us
To: badgizzie@aol.com
Subject: well permit application
Date: Thu, 7 Aug 2008 4:48 pm

Mr. Milano,
Attached is the link to the well permit application. Please provide a detailed map with measurements from your tank to your proposed well location, the location and dimensions of your home's footprint on your lot, a measurement the northwest corner of your footprint to your proposed well location, and the location of your leachfield.

<http://www.co.el-dorado.ca.us/emd/forms/Health/WELL.PERMIT.APPLICATION.pdf>

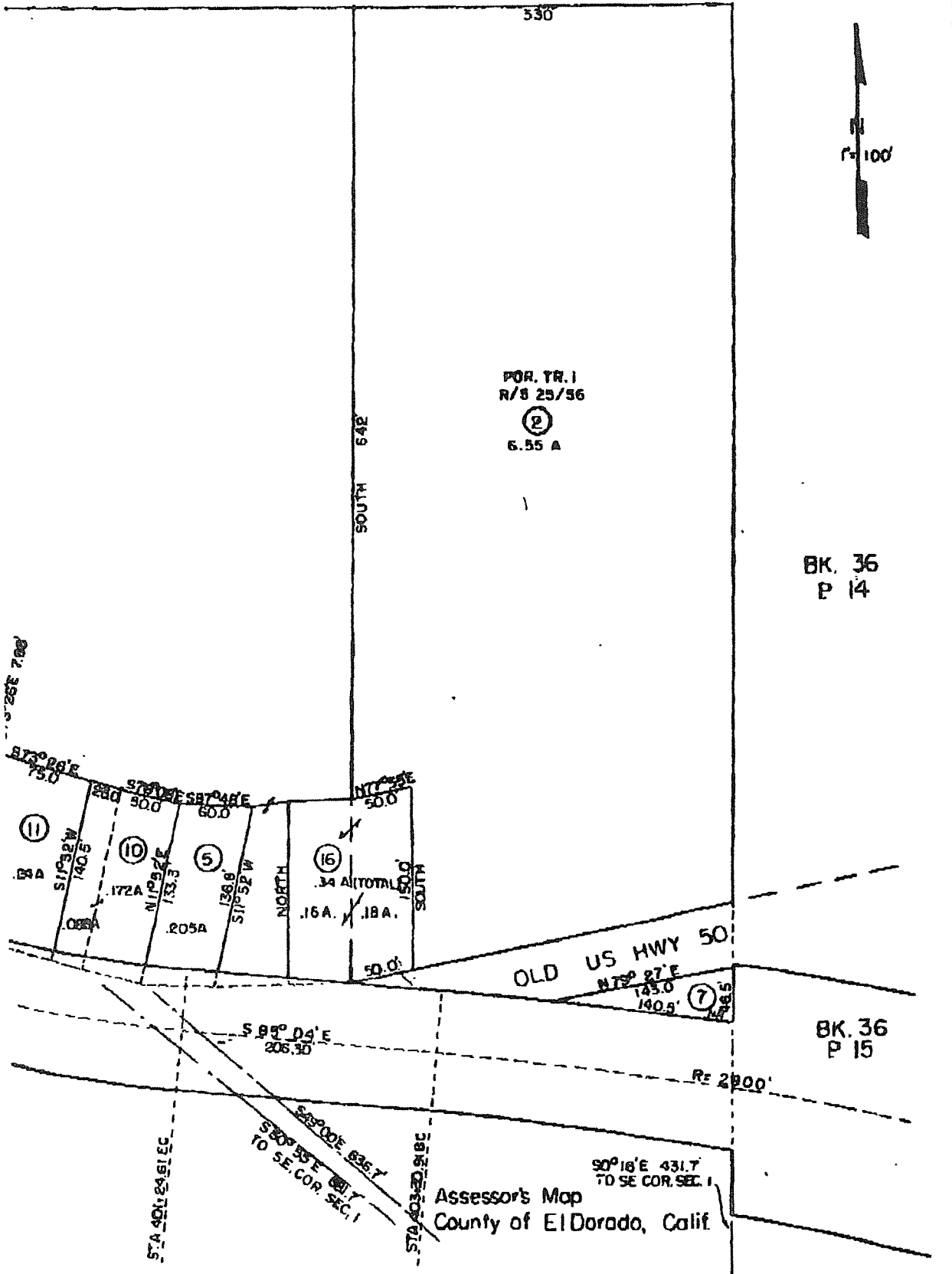
The map can be faxed, mailed, or emailed to me. I will be able to best research and evaluate the well proposal with that information.

Sincerely,

Heather Schmitt, MS, REHS
Supervising Environmental Health Specialist
County of El Dorado Environmental Management
South Lake Tahoe Division
530.573.3439
fax: 530.542.3364
hschmitt@co.el-dorado.ca.us

T.11N. R.17E. M.D.M.

37:11



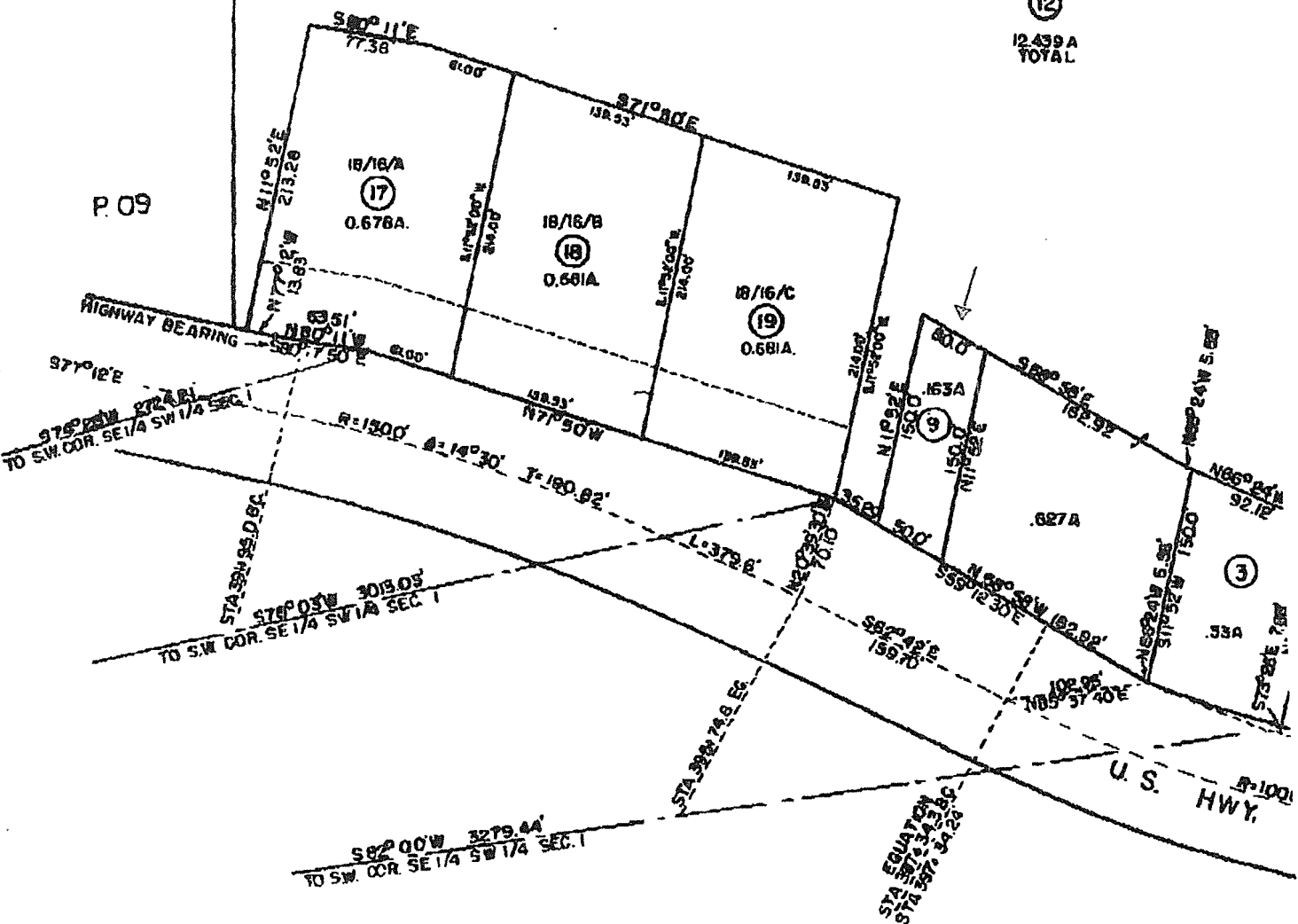
POR. SE 1/4 SE 1/4 SEC.

P.01

12

12.439 A
TOTAL

P.09



P.12