

AMMONOOSUC SURVEY CO. INC.

BOUNDARY SURVEYING • TOPOGRAPHIC MAPPING • SUBDIVISION SURVEYING • SEPTIC SYSTEM DESIGN

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Leo Kiley
34 Lot Subdivision
Map 272/Lot 52

September 24, 2007

Test Pit Lot #1

12/5/05 JKH

0 - 3"	Organic duff	10YR 2/1
3 - 22"	Reddish yellow sandy loam	10YR 5/8
22 - 72"	Pale brown sand with large boulders	10YR 6/3
26 - 56"	Light olive brown, medium to fine, platy, moist, gravelly sand	2.5Y 5/4
	Roots to 45" ESHWT @ 36"	
	Water @ 46" No Ledge Observed	

Perc Rate: 8 mins/inch @ 26"

Test Pit Lot # 2

12/5/05 JKH

0 - 5"	Organic duff	10YR 2/1
5 - 23"	Yellow brown sandy loam	10YR 5/8
23 - 73"	Light brownish gray sand	10YR 6/2
	Roots to 38" ESHWT @ 30"	
	Water @ 40" No Ledge Observed	

Perc Rate: 7 mins/inch @ 24"

Test Pit Lot # 3

12/5/05 JKH

0 - 4"	Organic duff	10YR 2/1
4 - 24"	Yellow brown sandy loam	10YR 5/8
24 - 48"	Pale brown loamy sand	10YR 6/3

48 - 76"	Gray brown, fine, silty sand	5Y 5/1
	Roots to 45" ESHWT @ 36"	
	Water @ 48" No Ledge Observed	

Perc Rate: 8 mins/inch @ 25"

Test Pit Lot # 4

12/5/05 JKH

0 - 4"	Organic duff	10YR 2/1
4 - 23"	Yellow brown sandy loam	10YR 5/8
23 - 100"	Light brownish gray sand	10YR 6/2
	Roots to 33" ESHWT @ 24"	
	Water @ 30" No Ledge Observed	

Perc Rate: 8 mins/inch @ 25"

Test Pit Lot # 5

12/5/05 JKH

0 - 5"	Organic duff	10YR 2/1
5 - 22"	Yellow brown sandy loam	10YR 5/8
22 - 39"	Pale brown loamy sand	10YR 6/3
39 - 65"	Light brown, compact, stony sand	10YR 6/2
	Roots to 39" ESHWT @ 36"	
	No Water Observed No Ledge Observed	

Perc Rate: 6 mins/inch @ 24"

Test Pit Lot # 6

12/5/05 JKH

0 - 4"	Organic duff	10YR 2/1
4 - 24"	Dark yellow brown sandy loam	10YR 4/6
24 - 43"	Pale brown medium to coarse sand	10YR 5/8
43 - 69"	Gray, fine, silty sand	5YR 5/1
43 - 59"	Light olive yellow, moist, compact sand & gravel	2.5Y 6/6
	Roots to 40" ESHWT @ 40"	

Perc Rate: 6 mins/inch @ 24"

Test Pit Lot # 7

12/5/05 JKH

0 - 4"	Organic duff	10YR 2/1
4 - 18"	Yellow brown sandy loam	10YR 5/8
18 - 46"	Pale brown medium sand	10YR 6/3
46 - 72"	Light brownish gray, fine, compact, silty sand	10YR 6/2
	Roots to 41" ESHWT @ 40"	
	No Water Observed No Ledge Observed	

Perc Rate: 8 mins/inch @ 28"**Test Pit Lot # 8**

12/5/05 RJT

0 - 3"	Black, sandy, organic matter	10YR 2/1
3 - 16"	Yellow brown, fie to medium, sandy loam	10YR 5/8
16 - 27"	Pale brown, loose, mixed sands	10YR 6/3
27 - 51"	Pale brown, moist, medium to coarse sand	10YR 6/3
	Roots to 20" ESHWT @ 27"	
	Water @ 42" No Ledge Observed	

Perc Rate: 6 mins/inch @ 24"**Test Pit Lot # 9**

12/5/05 RJT

0 - 3"	Black , sandy, organic matter	10YR 2/1
3 - 11"	Yellow brown, fine, sandy loam	10YR 5/8
11 - 36"	Light yellow brown medium to coarse sand	10YR 6/4
36 - 68"	Light gray, coarse, moist sand	10YR 6/1
	Roots to 35" ESHWT @ 36"	
	Water @ 64" No Ledge Observed	

Perc Rate: 6 mins/inch @ 24"**Test Pit Lot # 10**

12/5/05 RJT

0 - 3"	Black, sandy, organic matter	10YR 2/1
3 - 9"	Yellow brown, fine, sandy loam	10YR 5/4

9 - 25"	Brownish yellow, fine, loose, loamy sand	10YR 6/8
25 - 46"	Light brownish gray, medium to coarse, loose sand	10YR 6/2
46 - 74"	Light gray, medium to coarse, compact, moist sand	10YR 6/1
	Roots to 25" ESHWT @ 46"	
	Water @ 72" No Ledge Observed	

Perc Rate: 4 mins/inch @ 25"

Test Pit Lot # 11

12/5/05 JKH

0 - 3"	Organic duff	10YR 2/1
3 - 18"	Yellow brown loamy sand	10YR 5/8
18 - 72"	Gray brown, compact, fine, stony sand	10YR 6/2
	Roots to 35" ESHWT @ 36"	
	Water @ 48" No Ledge Observed	

Perc Rate: 10 mins/inch @ 26"

Test Pit Lot # 12

12/5/05 JKH

0 - 3"	Organic duff	10YR 2/1
3 - 24"	Yellow brown loamy sand	10YR 5/8
24 - 52"	Grayish brown stony sand	2.5YR 5/2
	Roots to 32" ESHWT @ 32"	
	Water @ 48" Refusal @ 52"	

Perc Rate: 8 mins/inch @ 24"

Test Pit Lot # 13

12/5/05 JKH

0 - 4"	Organic duff	10YR 2/1
4 - 24"	Dark yellow brown loamy sand	10YR 4/4
24 - 78"	Pale brown fine sand - friable @ 36"	10YR 6/3
	Roots to 37" ESHWT @ 36"	
	Water @ 48" No Ledge Observed Redux features @36"	

Perc Rate: 6 mins/inch @ 26"

Test Pit Lot # 14

12/5/05 JKH

0 - 3"	Organic duff	10YR 2/1
3 - 20"	Dark yellow brown loamy sand	10YR 4/4
20 - 78"	Pale brown fine sand	10YR 6/3
	Roots to 37" ESHWT @ 36"	
	Water @ 72" No Ledge Observed	

Perc Rate: 6 mins/inch @ 25"**Test Pit Lot # 15**

12/5/05 JKH

0 - 4"	Organic duff	10YR 2/1
4 - 24"	Dark yellow brown loamy sand	10YR 4/4
24 - 72"	Pale brown fine sand	10YR 6/3
	Roots to 30" ESHWT @ 32"	
	Water @ 72" No Ledge Observed	

Perc Rate: 7 mins/inch @ 26"**Test Pit Lot # 16**

12/5/05 JKH

0 - 4"	Organic duff	10YR 2/1
4 - 26"	Dark yellow brown sandy loam	10YR 4/4
26 - 76"	Light olive brown fine sand	2.5Y 5/4
	Roots to 32" ESHWT @ 30"	
	Water @ 48" No Ledge Observed Redux features @ 30"	

Perc Rate: 8 mins/inch @ 24"**Test Pits Lot # 17**

12/6/05 RJT

A

0 - 5"	Black, sandy, organic loam	10YR 2/1
5 - 11"	Yellow brown, medium to fine, sandy loam	10YR 5/6
11 - 18"	Light yellow brown, fine, loamy sand	10YR 6/4
18 - 38"	Pale brown, medium to coarse, moist sand	10YR 6/3

	Roots to 23" ESHWT @ 18"	
	No Water Observed Ledge @ 38"	

B

	Similar horizons	
	Roots to 23" ESHWT @ 18"	
	No Water Observed Ledge @ 41"	

C

	Similar horizons	
	Roots to 23" ESHWT @ 18"	
	No Water Observed Ledge @ 39"	

- Ledge Probe (D): 39"**
- Ledge Probe (E): 38"**
- Ledge Probe (F): 37"**
- Ledge Probe (I): >40"**
- Ledge Probe (J): >40"**
- Ledge Probe (K): >40"**
- Ledge Probe (L): >40"**
- Ledge Probe (M): >40"**
- Ledge Probe (N): >40"**
- Perc Rate: 10 mins/inch @ 20"**

Test Pit Lot # 18
12/5/05 RJT

0 - 5"	Black sandy loam	10YR 2/1
5 - 21"	Yellow brown, fine, sandy loam	10YR 5/8
21 - 28"	Pale brown medium sand	10YR 6/3
28 - 52"	Light brownish gray, medium to coarse, moist sand	10YR 6/2
	Roots to 22" ESHWT @ 21"	
	No Water Observed Ledge @ 52"	

Perc Rate: 8 mins/inch @ 22"

Test Pit Lot # 19
12/5/05 RJT

0 - 6"	Black sandy loam	10YR 2/1
6 - 21"	Yellow brown sandy loam	10YR 5/4

21 - 32"	Light yellow brown medium sand	10YR 6/4
32 - 49"	Light yellow brown, compact, moist sand	10YR 6/4
	Roots to 21" ESHWT @ 21"	
	No Observed Water No Ledge Observed	

Perc Rate: 6 mins/inch @ 24"

Test Pits Lot # 20

12/5/05 RJT

A

	Similar horizons as #20B	
	Roots to 28" ESHWT @ 28"	
	Water @ 29" Ledge @ 35"	

B

0 - 3"	Black, organic, sandy loam	10YR 2/1
3 - 15"	Yellow brown, fine, sandy loam	10YR 5/8
15 - 28"	Pale brown, fine to medium, loamy sand	10YR 6/3
28 - 38"	Light brownish gray, medium to coarse, moist sand	2.5Y 6/2
38 - 55"	Light gray wet sands with angular rocks, ledge & water	10YR 6/1
	Roots to 28" ESHWT @ 28"	
	Water @ 49" Ledge @ 55"	

C 4/19/06 RJT

0 - 5"	Very dark brown organic material	10YR 2/2
5 - 15"	Dark yellow brown, medium, sandy loam	10YR 4/6
15 - 25"	Yellow brown sand	10YR 5/4
25 - 57"	Grayish brown wet sand	10YR 5/2
	Roots to 27" ESHWT @ 25"	
	No Water Observed Ledge @ 57"	

D 4/19/06 RJT

0 - 6"	Very dark brown organic material	10YR 2/2
6 - 17"	Dark yellow brown, medium, sandy loam	10YR 4/6
17 - 26"	Yellow brown sand	10YR 5/4
26 - 58"	Grayish brown wet sand	10YR 5/2

	Roots to 28" ESHWT @ 26"	
	No Water Observed Ledge @ 58"	

E 4/19/06 RJT

0 - 4"	Very dark brown organic material	10YR 2/2
4 - 15"	Dark yellow brown, medium, sandy loam	10YR 4/6
15 - 23"	Yellow brown sand	10YR 5/4
23 - 47"	Grayish brown wet sand	10YR 5/2
	Roots to 26" ESHWT @ 23"	
	No Water Observed Ledge @ 47"	

Perc Rate: 8 mins/inch @ 24"

Test Pit Lot # 21

12/5/05 RJT

0 - 3"	Black sandy loam	10YR 2/1
3 - 7"	Dark yellow brown, fine, sandy loam	10YR 4/6
7 - 20"	Yellow brown, fine to medium, loamy sand	10YR 5/8
20 - 38"	Light yellow brown, moist, medium sand	10YR 6/4
38 - 53"	Light gray, fine to medium, moist, platy sands, hardpan @ 50"	10YR 6/1
	Roots to 24" ESHWT @ 20"	
	No Water Observed No Ledge Observed	

Perc Rate: 8 mins/inch @ 24"

Test Pit Lot # 22

12/5/05 RJT

0 - 8"	Black loam	10YR 2/1
8 - 24"	Yellow brown, fine, sandy loam	10YR 5/6
24 - 36"	Light brownish gray, moist, mixed sands	10YR 6/2
36 - 49"	Light brownish gray moist sand with hard packed angular rocks	10YR 6/2
	Roots to 27" ESHWT @ 24"	
	No Water Observed Ledge @ 49"	

B

	Similar horizons	
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	Roots to 25" ESHWT @ 25"	
	No Water Observed Ledge @ 36"	

C

	Similar horizons	
	Roots to 26" ESHWT @ 24"	
	No Water Observed Ledge @ 32"	

D

	Similar horizons	
	Roots to 18" ESHWT @ 18"	
	No Water Observed Ledge @ 34"	

Ledge Probe (F): 36"
Ledge Probe (G): 36"
Ledge Probe (H): 36"
Ledge Probe (I): 36"
Ledge Probe (J): 36"
Ledge Probe (K): 36"
Perc Rate: 8 mins/inch @ 23"

Test Pits Lot # 23
 12/5/05 RJT

A

0 - 5"	Black sandy loam	10YR 2/1
5 - 16"	Brownish yellow , fine, sandy loam	10YR 6/8
16 - 20"	Yellow brown , medium, loamy sand	10YR 5/4
20 - 29"	Light olive brown, coarse, moist sand	2.5Y 5/4
29 - 50"	Gray brown, wet, coarse sand	2.5Y 5/2
	Roots to 29" ESHWT @ 20"	
	Water @ 45" Ledge @ 50"	

B

	Similar horizons	
	Roots to 29" ESHWT @ 20"	
	Water @ 45" Ledge @ 50"	

Perc Rate: 10 mins/inch @ 22"

Test Pit Lot # 24

4/5/01 David Pandora (Construction Approval #CA2001035317)

0 - 4"	Dank rooty topsoil 1/8mm - 1/4mm	10YR 2/2
4 - 16"	Orange sandy loam 1/8mm - 1/4mm	7.5YR 5/8
16 - 52"	Tan sandy gravel 1/4mm - 1/2mm	7.5YR 6/3
	ESHWT @ 52" No Water Observed	
	Ledge @ 52" (Other pits dug ledge between 46" & 56")	

Perc Rate: 4 mins/inch @ 20"**Test Pit Lot # 25**

12/7/05 RJT

0 - 3"	Black, sandy, organic loam	10YR 2/1
3 - 8"	Yellow brown, fine, sandy loam	10YR 5/6
8 - 21"	Brownish yellow, fine, loamy sand	10YR 6/6
21 - 35"	Pale brown, fine to medium, moist sand	10YR 6/3
35 - 55"	Light brownish gray, medium to coarse, wet sand	10YR 6/2
	Roots to 32" ESHWT @ 21"	
	Water @ 48" Ledge @ 55"	

Perc Rate: 10 mins/inch @ 24"**Test Pit Lot # 26**

12/7/05 RJT

0 - 3"	Black, sandy, organic loam	10YR 2/1
3 - 11"	Yellow brown, fine, sandy loam	10YR 5/6
11 - 31"	Yellow brown, fine, loamy sand	10YR 5/4
31 - 42"	Pale brown fine to medium sand	10YR 6/3
42 - 55"	Gray, medium to coarse, wet sand	10YR 6/1
	Roots to 35" ESHWT @ 31"	
	Water @ 52" Ledge @ 55"	

Perc Rate: 8 mins/inch @ 26"

Test Pit Lot # 27
12/7/05 RJT

0 - 5"	Black, sandy, organic loam	10YR 2/1
5 - 19"	Dark yellow brown, fine to medium, sandy loam	10YR 4/4
19 - 27"	Yellow brown loamy sand	10YR 5/6
27 - 38"	Light brownish gray, platy, medium sand	10YR 6/2
38 - 52"	Gray, medium to coarse, wet sand	10YR 6/1
	Roots to 31" ESHWT @ 27"	
	Water @ 48" Ledge @ 52"	

Perc Rate: 8 mins/inch @ 25"

Test Pits Lot # 28
12/6/05 RJT

A

0 - 5"	Black, sandy, organic loam	10YR 2/1
5 - 11"	Dark yellow brown sandy loam	10YR 4/4
11 - 25"	Yellow brown loamy sand	10YR 5/6
25 - 37"	Light gray mixed sands	10YR 6/1
	Roots to 28" ESHWT @ 25"	
	Water @ 32" Ledge @ 37"	

B

	Similar horizons	
	Roots to 28" ESHWT @ 25"	
	Water @ 32" Ledge @ 37"	

C

	Similar horizons	
	Roots to 26" ESHWT @ 26"	
	No Water Observed Ledge @ 38"	

Ledge Probe (D): 38"

Ledge Probe (E): 30"

Ledge Probe (F): 39"

Perc Rate: 6 mins/inch @ 24"

Test Pit Lot # 29

12/6/05 RJT

0 - 3"	Black, sandy, organic loam	10YR 2/1
3 - 8"	Yellow brown, fine, sandy loam	10YR 5/6
8 - 21"	Brownish yellow, fine, loamy sand	10YR 6/6
21 - 35"	Pale brown, fine to medium, moist sand	10YR 6/3
46 - 74"	Light brownish gray, medium to coarse, wet sand	10YR 6/2
	Roots to 32" ESHWT @ 21"	
	Water @ 48" Ledge @ 55"	

Perc Rate: 8 mins/inch @ 23"**Test Pit Lot # 30**

12/6/05 RJT

0 - 3"	Black, sandy, organic loam	10YR 2/1
3 - 12"	Yellow brown sandy loam	10YR 5/6
12 - 21"	Light yellow brown, fine, loamy sand	10YR 6/4
21 - 37"	Pale brown medium sand	10YR 6/3
37 - 49"	Pale brown, moist, platy sand	10YR 6/3
	Roots to 36" ESHWT @ 21"	
	No Water Observed Ledge @ 49"	

Perc Rate: 7 mins/inch @ 24"**Test Pit Lot # 31**

12/7/05 RJT

0 - 8"	Black, sandy, organic loam	10YR 2/1
8 - 17"	Dark yellow brown, fine to medium, sandy loam	10YR 4/4
17 - 28"	Yellow brown, fine to medium, loamy sand	10YR 5/8
28 - 39"	Pale brown, medium to coarse, moist sand	10YR 6/3
39 - 68"	Gray, wet, silty sand	10YR 5/1
	Roots to 31" ESHWT @ 28"	
	Water @ 47" Ledge @ 68"	

Perc Rate: 6 mins/inch @ 26"

Test Pit Lot # 32

12/5/05 JKH

0 - 5"	Dark organic duff	10YR 2/1
5 - 19"	Yellow brown sandy loam	10YR 4/6
19 - 78"	Gray brown, compact, stony sand	10YR 5/2
	Roots to 36" ESHWT @ 36"	
	Water @ 48" No Ledge Observed	

Perc Rate: 6 mins/inch @ 24"**Test Pit Lot # 33**

12/5/05 JKH

0 - 4"	Organic duff	10YR 2/1
4 - 20"	Yellow brown sandy loam	10YR 5/8
20 - 72"	Light brown fine sand with redux features @ 36"	10YR 6/4
	Roots to 37" ESHWT @ 36"	
	Water @ 48" No Ledge Observed	

Perc Rate: 6 mins/inch @ 26"**Test Pit Lot # 34**

12/5/05 RJT

0 - 3"	Black, sandy, organic matter	10YR 2/1
3 - 7"	Dark yellow brown, fine, sandy loam	10YR 4/6
7 - 17"	Light yellow brown, fine to medium, loamy sand	10YR 6/4
17 - 42"	Light brownish gray, loose, medium sand	10YR 6/2
42 - 75"	Light brownish gray, medium, compact sand	10YR 6/2
	Roots to 45" ESHWT @ 42"	
	No Water Observed No Ledge Observed	

Perc Rate: 7 mins/inch @ 26"