SLOPE ANALYSIS & DENSITY

SLOPE DENSITY TOP OF THE PINES

I = CONTOUR INTERVAL
L = TOTAL LENGTH OF CONTOUR
A = AREA (ACRES)
S = SLOPE DENSITY (%)

$$\frac{I \times L \times 100'}{A \times 43560} = S$$

PROJECT TOTAL

5 = CONTOUR INTERVAL
30689 = TOTAL LENGTH OF CONTOUR
16.77 = AREA (ACRES)
21.0% = SLOPE DENSITY (%)

PARCEL 1

5 = CONTOUR INTERVAL
7531 = TOTAL LENGTH OF CONTOUR
4.076 = AREA (ACRES)
21.2% = SLOPE DENSITY (%)

PARCEL 2

5 = CONTOUR INTERVAL
9552 = TOTAL LENGTH OF CONTOUR
4.443 = AREA (ACRES)
24.6% = SLOPE DENSITY (%)

PARCEL 3

5 = CONTOUR INTERVAL
7372 = TOTAL LENGTH OF CONTOUR
4.123 = AREA (ACRES)
20.5% = SLOPE DENSITY (%)

PARCEL 4

5 = CONTOUR INTERVAL
6234 = TOTAL LENGTH OF CONTOUR
4.182 = AREA (ACRES)
17.1% = SLOPE DENSITY (%)

RPO

Color	Range Beg.	Range End	Percent	Area
	0.00	15.00	33.0	241749.33
	15.00	25.00	41.8	306364.69
	25.00	50.00	23.5	171893.43
	50.00	100.00	1.7	12824.78

RPO CALCULATIONS–DENSITY FORMULA

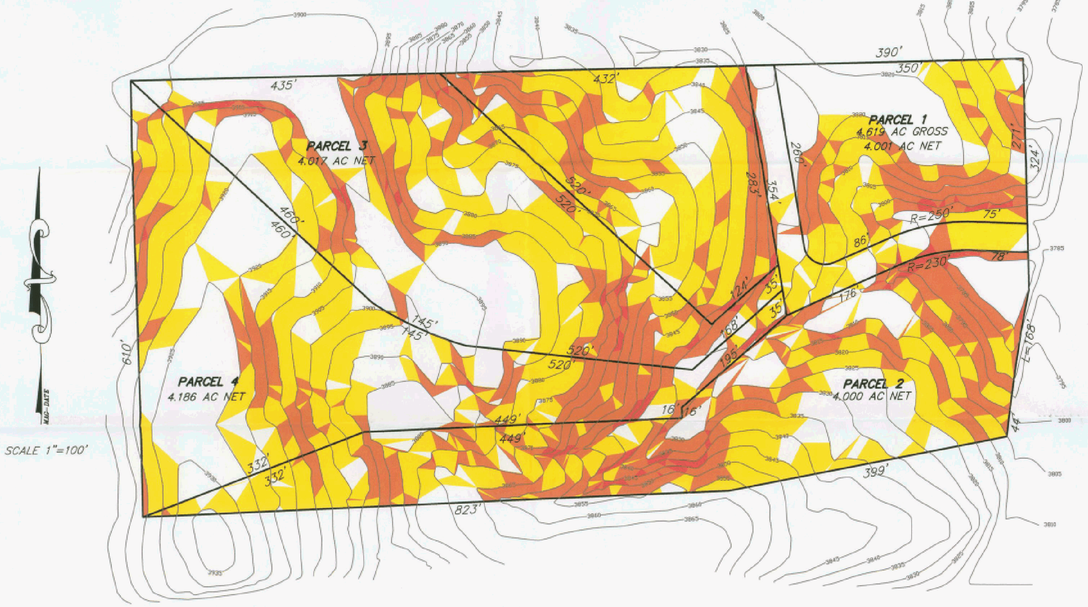
0–15% SLOPE	5.5498 AC/1.0 AC	=	5.5498 AC
15–25% SLOPE	5.9865 AC/2.0 AC	=	2.9933 AC
25% PLUS SLOPE	4.2405 AC/4.0 AC	=	1.0601 AC

TOTAL= 9.60 LOTS OR DWELLING UNITS ALLOWED
= 10 LOT MAXIMUM

SLOPE ANALYSIS TOP OF THE PINES

LEGEND

PARCEL 1				PARCEL 2				PARCEL 3				PARCEL 4			
Beg.	End	Area	Percent	Beg.	End	Area	Percent	Beg.	End	Area	Percent	Beg.	End	Area	Percent
0.00	15.00	56216.63	27.9	0.00	15.00	43395.46	24.9	0.00	15.00	69292.21	39.6	0.00	15.00	72845.03	39.9
15.00	25.00	95482.52	47.5	15.00	25.00	70107.53	40.2	15.00	25.00	64014.24	36.6	15.00	25.00	76760.40	42.1
25.00	50.00	46936.26	23.3	25.00	50.00	55647.86	31.9	25.00	50.00	38140.02	21.8	25.00	50.00	31169.29	17.1
50.00	500.00	2583.67	1.3	50.00	500.00	5093.65	2.9	50.00	500.00	3562.60	2.0	50.00	500.00	1584.86	0.9



SCALE 1"=100'

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09/12/07

Allen R. A. Turner III PLS DATE

LICENSED LAND SURVEYOR
ALLEN R. A. TURNER III
EXP. DEC 31 08
NO. 7844
STATE OF CALIFORNIA

JOB NO. 127B7-144705- TOP OF PINES
DWG. NO. PRJ\144705\SLOPE ANALYSIS 4