70

[illegible] Pt. Loma to Voltaire [illegible]
[illegible] " " " " " " [illegible]

[illegible] Loma Ave " " " " " " 7
[illegible] Point Loma to Morena 9

[illegible]na " " " " " " " [illegible]
[illegible]orida Adams to University 15
[illegible]sas Street El Cajon to Adams [illegible]

[illegible]nsas St. Adams to Corley 76

FIELD

[illegible] Ave. Lincoln Ave to [illegible]
[illegible] Ave. [illegible] St. to City Boundary 43
[illegible] St. Woolman Ave. to "K" St. 52
[illegible]nsley St. "N" St. to [illegible] N. of "L" St. 64
[illegible]izona St. Adams to El Cajon 63
[illegible]wthorn St. Fern to 31st 74

F.B. 70-2

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees
	DEGREES		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		

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MICROFILMED
DEC 4 1964

Book no. 7D

name

date

MICROFILMED
DEC 4 1964

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38 "
39 "
40 "
41 "
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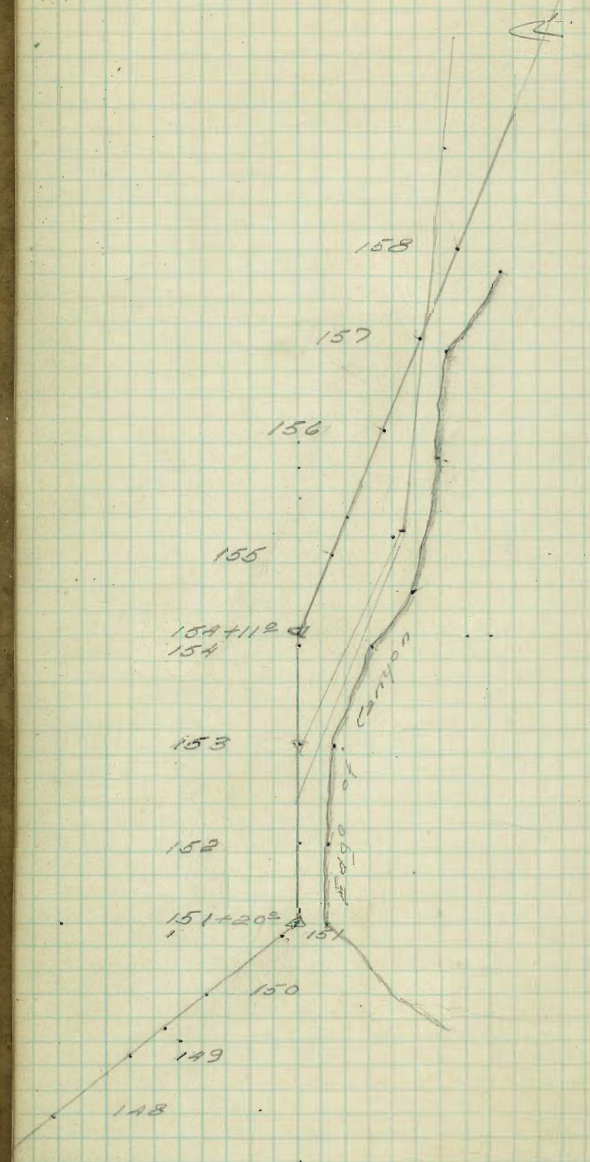
Rough Drawing of ℄ Road to Torrey Pines, showing edge of Canyon Sta. 150 – 158.



Torrey Pines Road - Cont. from Book I.

Sta.	Lt.	Rt.	Cal. Course
161			S.72°53'W.
+51°	△ 41°30'		
160			N.65°37'W.
+68°	△ 41°15'		
+38°	△ P.O.T.		
159			
158			
157			
156			
155			N.24°22'W.
+11°	△	21°30'	
154			
153			
152			N.45°52'W.
+20°	△ 50°00'		
151			
150			
149			
148			
147			
146			
145			
144			
143+13°	△ P.O.T.		

65 37
41 30
106 57
180
S 73° 03' W

50
30
65
95

70
35
30
30

Sta.	Lt.	Rt.	
170			
169			
168 +0°	△ P.O.T.		
167		N.44°07'W.	
+23°	△ 20°00'		
166			
165			
164			
163			N.24°07'W.
+27°		50°00'	
162			N.74°07'W.
161 +32°	△	33°00'	

Top. Line around top of Hill above Biological Station. 0+0° = Sta. 5+70° of road running from S.W. Cor. 1299.

Sta.	Lt.	Rt.	L.L.
+90°	△ 14°30'		
18			S. 0°18'E
+20°	△	21°30'	
17			
16			
15			S 21°48'E
+64°	△ 12°00'		
14			
13			
12			S. 7°48'E
+69°	23°30'		
11			
10			S. 20°42'W.
9 +0°	△ 42°45'		
8			
7			
+39°	△ P.O.T.		
6			
5			
4			
3			
2			
1			S. 63°27'W.
0+0°	△	29°00'	from ℄ Road

Sta. Lt. Rt.

+52.28 Δ Interior angle. 61°48'30"

+52.28 Δ P.I. East prop. line. Sta. 34+06

21 S41°39'30"E.

+17 Δ 26°51'30"

20

19

S14°48'E.

Meander & Road Down W. Slope of Hill above Biological Station. 30° ft.

Sta.	Lt.	Rt.	Col. Course.
+68°	Δ 26°15'		
19			S. 22°42' W.
+53°	Δ	36°15'	
18			
17			S. 13°33 E.
16 +0°	Δ 28°00'		
15			
14			S. 14°27' W.
13 +0°	Δ 15°30'		
12			S. 29°57' W.
11 +0°	Δ 19°45'		
10			S. 49°42' W.
+10.83	Δ 13°45'		
+10.83	Δ		
9			
8			
7			
6			
5			
4			
3			
2			
1			S. 68°27' W.
0 +0°		29°00' Rt. Δ = Sta. 5+39.06 of ℄ Road running S.W. from S.W. Cor. 1299	

22.09 ft. N. of Sta. 9+0° of Rop. line on tang 9+0° – 11+69 produced north.

From 0+0° to 9+10.83 ℄ Road Prop. line 15° ft. N. Prop. Line staked. Road stakes not set.

Sta.	Lt.	Rt.	
+32°	△ 47°15'		
34			S.58°57'W.
+13°	△	58°30'	
33			
32 +0°	△ P.O.T.		
31			S.00°27'W.
+50°	△	26°30'	
30			S 26°03'E
+26°	△ 28°45'		
29			S.2°42'W.
+34.36	△ P.I. Sec. Line, Sta. 14+84.43 87°17' Rt. to Sec. Line		
+07°	△ 21°15'		
28			S.23°57'W.
+12°	△ 32°30'		
27			
26			S.56°27'W.
+88°	△	24°15'	
25			S.32°12'W.
+88°	△	36°00'	
24			S3°48'E
+11°	△	30°45'	
23			
22			S.34°33'E
21 +0°	△ 31°00'		
20			S.3°33'E

	Lt.	Rt.	
46			
45			
44			
43			
42			
41			
40			S.34°12'W.
+75°	4	21°00'	
39			
38			S.13°12°W.
+90°	4	7°45'	
37			
36			S.20°57'W.
+75°	4	09°15'	
35			S.11°42'W.

Triangle of Roads Laid out to out-line Bldg (Proposed.)

+80^{78} △ = 0+0^{0} = Initial Point = P.I. Canyon Road

7

6

5

+79^{65} △ P.I. N. Line 1299 Sta 6+89^{87}

+79^{65} △ 145°24' Rt. to N. Line 1299

4

3

2

+79^{0} △ 107°05' Rt.

1

0+0^{0} △ 107°30' Rt. from Sec. Line to ℄ Road.

0+0^{0} △ = Sta. 9+91 N. Line 1299 = P.I. ℄ Canyon Road.

Course

1320
991
329

487
489
301

780.75
479.65
301.10

East

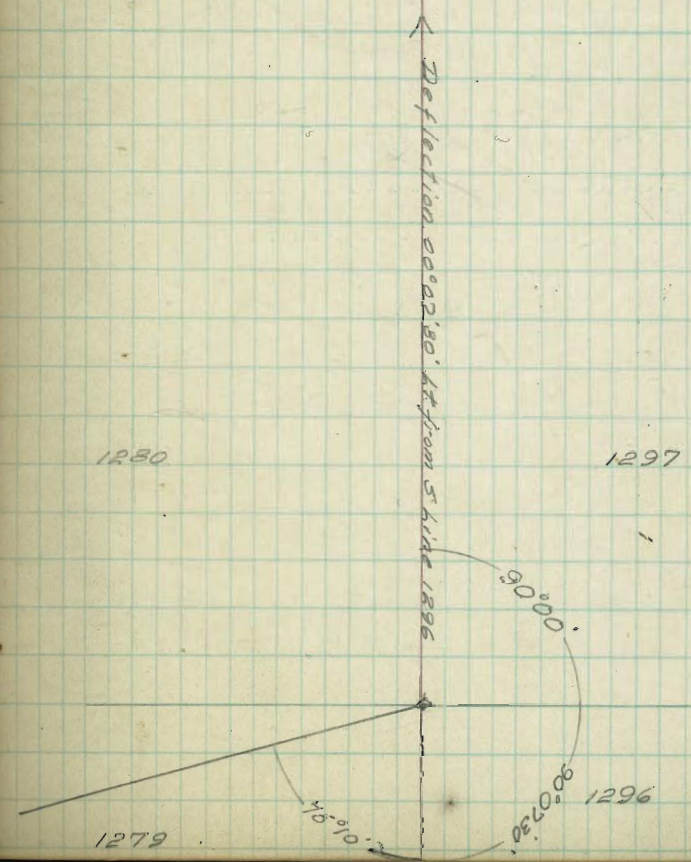
N 55°25' W.

S. 17°30' W.

From S.W. Cor 1296 To End of City Land in Lot 1280.

0+0.0 = Stone Monument.

Sta.	Lt.	Rt.
17		
16		
15		
+84.43	△ P.I. Prop. Road. Sta. 28+34.36 87°17' Lt. to Sta. 29+26 of Road.	
+05.2	△ P.O.T.	
14		
13		
12		
11		
+93.43	△ Old Hub. Two hubs dif. 3 inches line. Our line checks North hub.	
10		
+29.11	△ Old Hub P.O.T.	
9		
8		
7		
6+0		
5+0.0	△ P.O.T.	
4		
3		
2		
+45.0	△ P.O.T.	
+85.08	△ Old Hub. P.O.T.	
1		
0+0.0	△ 00°08' Lt. from S. line 1296	



Sta.	Lt.	Rt.
+60 53	∆ Corner on S. Line 1297	
21		
20		
19		
+11 30	∆ Old Hub. Cor. we ran to.	
18		
17+25 0	∆ Old Hub. P.O.T.	

Meander Around Arable Land N. of 1313 + W of 1323

Sta.	Lt.	Rt.	Col. Course.
19			
18			
17			
16			N. 64° 15' W.
+13°	△ 44° 45'		
15			
14			
13			
12			N. 19° 30' W
+67°	△ 30° 30'		
11			
10			
9			N. 11° 00' E
+62°	△	101° 00'	
8			
7			
6 + 0°	△ A.O.T.		
+59°	Center of L.H. Road.		
5			
4			
3			
2			
1			West.
0 + 0°	△ Stone Mon. S.W. Cor 1324		
	Alignment S. Line 1324 Produced,		

Sta.	Lt.	Rt.	Cal. Course
+22°	40°00'		
36			
35			S.55°15'W.
+75°	110°00'		
34			
33			N.14°45'W.
+72°		59°00'	
32			N.73°45'W.
+09°	118°30'		
31			
30			
29			
28			N.44°45'E.
+77°		42°45'	
27			
26			
25			
24			N.2°00'E.
+45°		92°00'	
23			
22			
21			
20			West.
19+75°	25°45'		

Sta.	Lt.	Rt.	Cl. Course
+25°	32°00'		
53			
52			N.24°45'E
+68°		25°30'	
51			
50			N.00°45'W.
+80°	422°00'		
49			
48			N.21°15'E.
+26°		16°15'	
47			
46			N.5°00'E.
+48°		97°15'	
45			
44			S.87°45'W.
43 +0°	44°15'		
42			N.48°00'W.
+92°		101°45'	
41			
40			
39			S.30°15'W.
+25°		15°00	
38			
37			S.15°15'W.

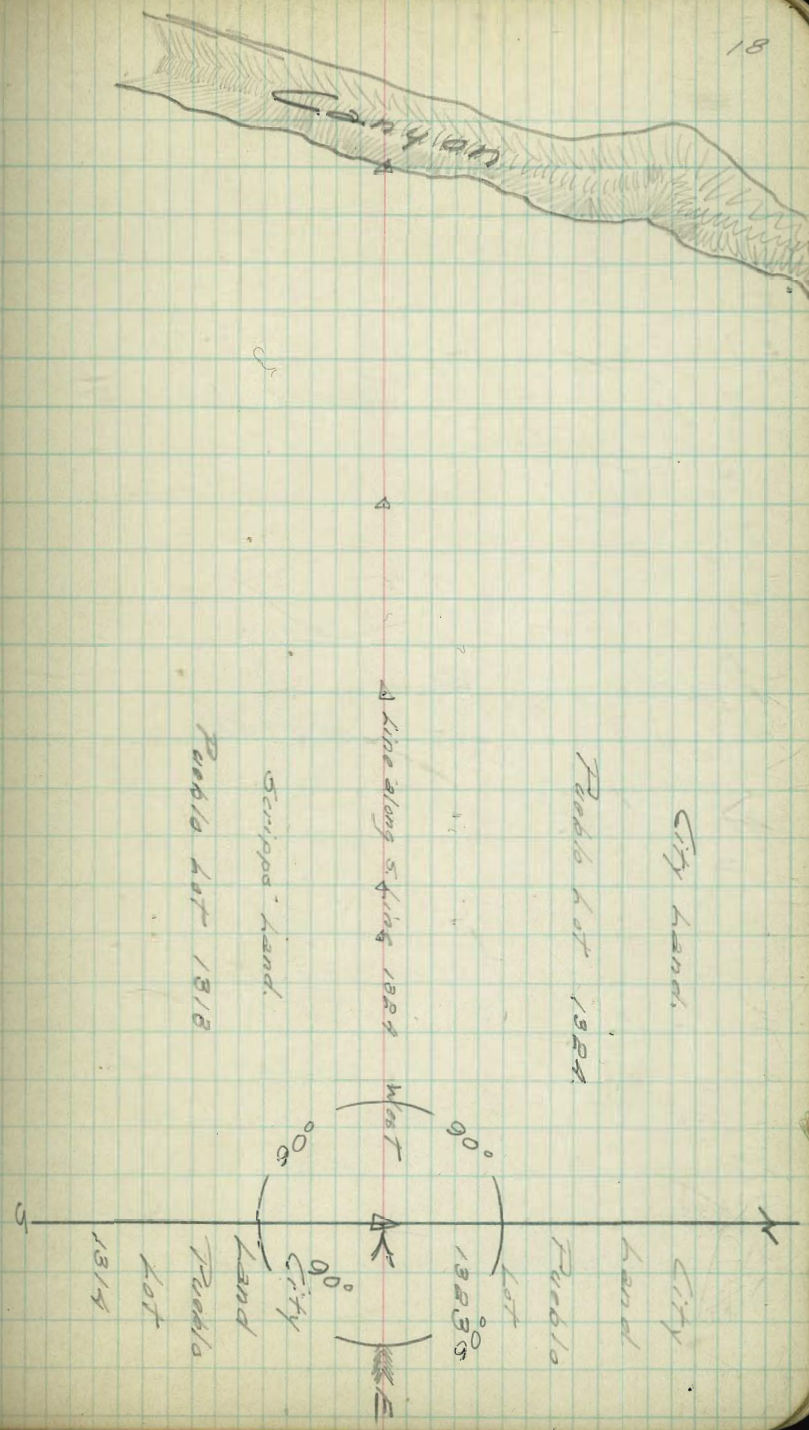
Sta.	Lt.	Rt.	Col. Course
+53°Δ		45°45'	
73			
72			
71			N.21°00'E
+47°Δ		33°30'	
70			
69			
68			
67			N.12°30'W.
66 +0°	Δ 4°00'		
65			N.8°30'W.
+22°Δ		69°15'	
64			
63			
62			
61			N77°45'W
60 +0°	Δ143°45'		
59			
58			
57			N.66°00'E
+50°Δ		73°15'	
56			
55			
54			N.9°15'W

Sta.	Lt.	Rt.	Cal. Course
91			
90			N.88°00'E
+88°	Δ	20°00'	
89			N.68°00'E
+10°	Δ 83°45'		
88			
87			
86			S.28°15'E
+77°	Δ	11°30'	
85			
84			
83			
82			S.39°45'E
+86°	Δ	3°15'	
81			
80			
79			S.43°00'E
+32°	Δ 19°15'		
78			
77			
76			S.23°45'E
+93°	Δ	89°30'	
75			
74			N.66°45'E

Sta.	Lt.	Rt.	Cal. Course
+20° △			
104			
103			
102			
101			
100			S. 1°45' E.
+79° △		62°00'	
99			S. 60°15' E.
+45° △	11°30'		
98			
97			
96			S 48°45' E
+18° △		61°00'	
95			
94			
93			N. 70°15' E
+89° △		68°30'	
92			N. 1°45' E
91 +82°	86°15'		

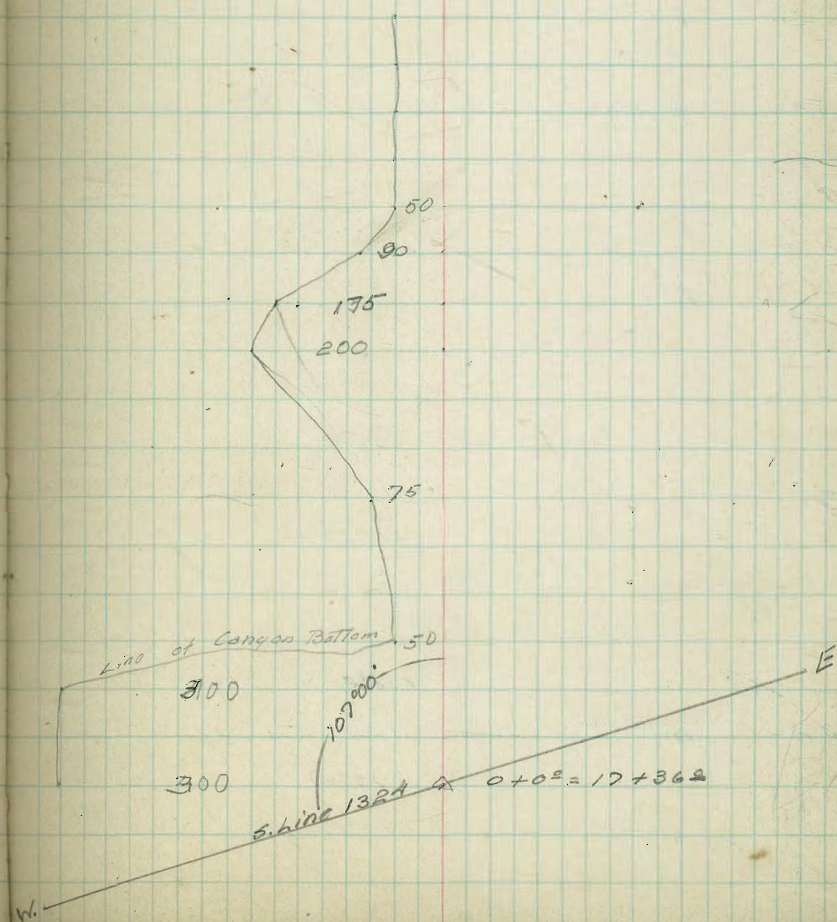
S. Line 1324 Dividing Scripps' Land from City's.

Sta.	Lt.	Rt.
+36°	△	
17		
16		
15		
14		
13		
12		
+60°	△ R.O.T.	
11		
10		
9		
+62°	△ R.O.T. = Sta. 8 + 62° of line determining arable land to the north = Sta. 11 + 95.08 second of line around arable land north.	
8		
7		
6		
+59½	△ Old Hub. R.O.T.	
+59°	△ R.O.T.	
5		
4		
3		
2		
1		
0+0°	△ Stone Mon. S.E. Cor. 1324 — Alignment S. Line 1323 produced West.	



(Error of 00°04')

Sta.	Lt.	Rt.		
+95-08 Δ = Sta. 8+62 of S. Line 1324				
+95-08 Δ		122°20'	To S. Line 1324 W.	
11				
10				
9			S.32°16'E	
+64 Δ		65°14'		
8			N.82°30'E	
+31 Δ	12°30'			
7				
6				
5			S.85°E.	
4+00 Δ		37°00'		
3				
2			N.68°E	
+85 Δ		41°00'		
1			N.17°E.	
0+00 Δ		107°00'	from S. Line 1324 prod. W.	
0+00 Δ = 17+36 S. Line 1324				



Continuation of ℄ Road to Sorento.

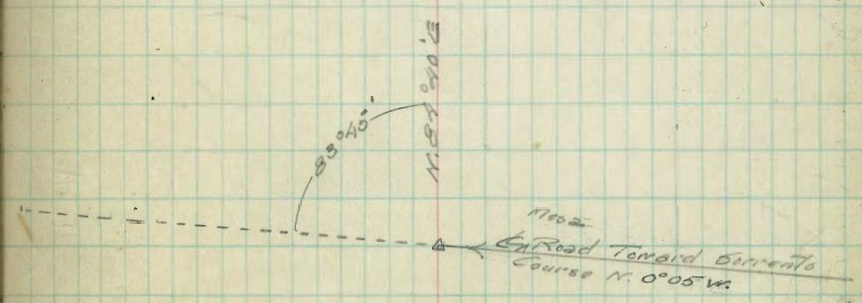
Sta.	Lt.	Rt.	
+12°	℄		
48			
+85.96	℄		
47			
46			
45+0°	℄ P.O.T.		
44			
43			
42			
41			
40+0°	℄ P.O.T.		
39			
38			
37			N.0°05'W.
+21.2	℄	4°33'	
36			
35			N.4°38'W.
+05°	℄	10°55'	
34			
33			N.15°38'W.
32+0°	℄ 2°45'		

Last Course = N.12°48'W.

Line Around Arable Land following Old Sorrento Road towards Ranch.

Sta.	Lt.	Rt.	X
16			S.59°50'E
15+0°		31°00'	
14			N.89°10E
+40°	91°15'		
13			
12			S. 0°25'W.
+11°	76°00'		
11			
10			S.76°25'W.
+08°		44°00'	
9			
8			S.32°35'W
+46°		99°00'	
7			
6			
5			S.66°35'E
+86°		29°45'	
4			
3			
2			
1			N.83°40'E
0+0°		83°45'	
0+0°			

Δ = 48+12° of ℄ Road towards Sorrento.



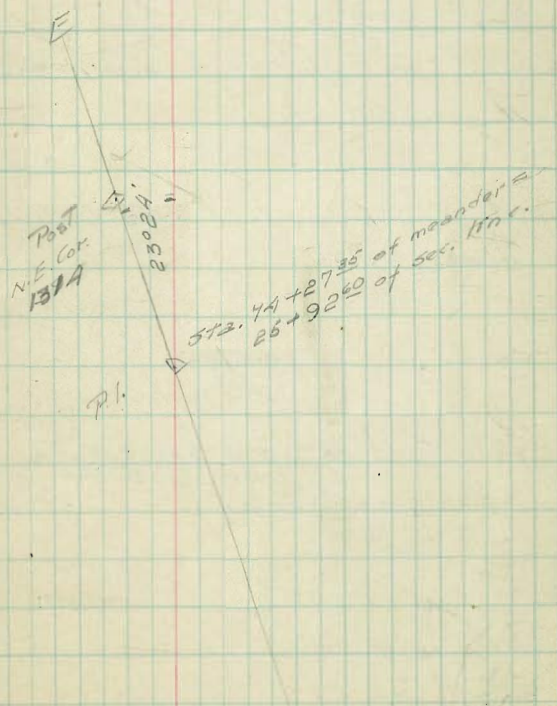
Sta.	Lt.	Rt.	
34+0°	Δ	21°15'	
33			
32			S.53°05 E.
+82 10	Δ	7°15'	
31			
30			
29			S.60°20'E
+17°	Δ 58°00'		
28			
27			S.2°20'E.
+35°	Δ	52°45'	
26			
25			S.55°05'E
24+0°	Δ	43°45'	
23			
22			N.81°10'E.
+61°	Δ	35°15'	
21			N.45°55'E
+23°	Δ	11°30'	
20			
19			
18			N.34°25'E.
+43°	Δ 85°45'		
17			

Sta.	∠+	Rt.	
53			N. 71°20' W.
	+44° ∆	15°00'	
52			N. 86°20' W.
51	+0° ∆	135°30'	
50			
49			S. 41°50' E.
48	+0° ∆	5°00'	
47			
46			S. 36°50' E.
	+59° ∆	142°30'	
45			
44			
43			
42			
41			
40			
39			N. 74°20' W.
	+80° ∆	47°15'	
38			S. 58°25' W.
	+35° ∆	30°00'	
37			
36			S. 28°25' W.
	+15° ∆	60°15'	
35			S. 31°50' E.

Sta.	Lt.	Rt.	
70			S.80°50'E
+33°	△76°15'		
69			
68			S.4°35'E.
67 +0°	△	57°15'	
66.			S.61°50'E
+79	△48°45'		
65			
64			S.13°05'E
+31°	△131°15'		
63			
62			N.61°50'W
+50°	△36°45'		
61			
60			N.25°05'W
+99 46	△	46°15'	
59			
58			
57			
+22°	△ P.O.T.		
56			
55			
54			N.71°20'W.

Cont. on P. 27.

Sta.	Lt.	Rt.	
85			
84			N.65°06'W
83			
+98°		13°45	
82			N.78°51'W
+20°		61°30'	
81			
80			S.89°39'W.
+20°	32°45'		
79			
78			S.72°24W.
+27°		116°30'	
77			S.38°06'E
+20°		28°30'	
76			
75			S.66°36'E.
+27 35	23°24' to Post N.E. Cor 1314		
+27 35	P.I. N. Line 1314 Sta. 25+92 60		
74			S.66°35'E
+72	26°15'		
73			
72			S.40°20'E
+97°		40°30'	
71			



Sta.	Lt.	Rt.
+13^{04}	△ = 0+0° Same meander.	
8		
7		
+34^{04}	△ 8°15' to ℄ Canyon Road.	
+34^{04}	△ = 0+0° Canyon Road	
+22^{94}	△ 80°52'	
+22^{94}	△ = 0+11^{1} of ℄ Canyon Road N. of N. Line 1299	
6		
5		
4		
+96^{54}	△ 99°23'	
3		
+45^{37}	△	00°30'
2		
+99°	△ 82°33' to Sta. 2+12° of Prop Line	
+99°	△ [illegible]	= Sta. 2+58^{37} Prop. Line running towards S. Line 1299.
1		
0+0°	△ 89°24'	Xterior from 0+0° ℄ Triangle.
0+0°	△ ℄ Road around Adm. Bldg = 1+79° of Triangle Road.	

Cont. from P. 25.

Sta.	Lt.	Rt.	
103			S.66°36'E
+09°	∠113°15'		
102			
101			
100			S.46°39'W.
+97°	∠	37°45'	
99			
98			
97			S.8°54'W
+75°	∠	33°45'	
96			S.24°51'E
+22°	∠115°30'		
95			
94			N.89°21'W.
93		75°15'	
92			S.15°24'W.
+44°	∠	50°45'	
91			
90			
89			
88			
87			S.35°21'E.
+45°	∠150°15'		
86			
			N.65°06'W.

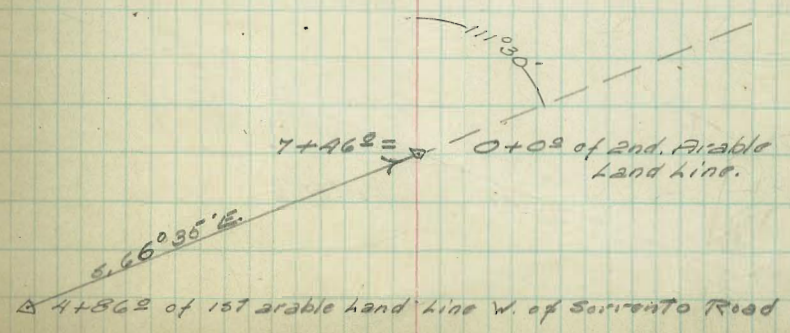
Sta.	Lt.	Rt	
+97.35 △	P.I. Scripps Road + Sorrento Road.		
116			S.1°55'W
+37.0 △	3°44' to hub P.I. Scripps Road and		
114	Sorrento Road.		
113			
112			
111			
110			
109			S 6°39'W
+52.0 △		42°30'	
108			
107			S66°51'E
+41.0 △	111°45'		
106			
105			S.44°54W
+10.0 △		111°30'	
104			

Line around arable land.

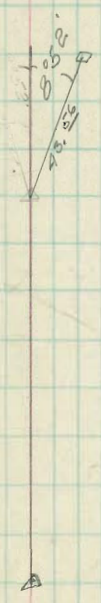
Sta.	Lt.	Rt.
+73°	△ 67°15'	
16		
15		
14		S.36°50'E.
+39°	△	26°30'
13		
12		
11		
10		
9		
8		S.63°20'E.
+84°	△	161°00'
7		
6		N.44°20'W.
+47°	△ 26°00'	
5		
4		
3		N.18°20'W.
+35°	△ 20°15'	
2		
1		N.1°55'E.
0+0°	△ 111°30'	
0+0°	△ = Sta. 7+46° of arable land line	

(See P. 21 this Book.)

Alignment this line produced ahead from hub Sta. 4+86 of other.



Sta.	Lt.	Rt.	
35			
34			N. 2°05' W.
+78°	△ 107°30'		
33			S. 74°35' E
+50°	△ 30°30'		
32			
31			
30			
29			
28			S 44°05' E
+64°	△	167°15'	8°52' Rt. to Mon. N.E
27			Cor 1323.43.56 ft. to
26			Mon.
25			
24			
23			
22			
21			N. 31°20' W.
+99°	△ 31°30'		
20			N. 0°10' E.
+29°	△ 75°45'		
19			
18			
17			N. 75°55' E



Sta.	LT.	RT.	
+71°	△28°00'		
52			
51			N.87°55'E
+97°	△40°45'		
50			
49			
48			S.51°20'E
+13°	△20°00'		
47			
46			
45			S.31°20'E
+83°	△	15°45'	
44			
43			S.40°05'E
+89°	△49°15'		
42			
41			
40			
39			
38			S.2°10'W.
+79°	△	70°00'	
37			
36			S.67°50'E
35+55°	△	114°15'	

Sta.	Lt.	Rt.	
+17		39°45'	
69			
68			
67			
66			N.26°20'W
+99		62°00'	
65			
64			
63			N.88°20'W.
+107	21°45'		
62			
61			N.66°35'W.
+35	79°45'		
60			
59			N.13°10'E
+83	34°15'		
58			
57			
56			
55			N.47°25'E
+67	12°30'		
54			
53			N.59°55'E

Sta.	Lt.	Rt.	
+38°	Δ	70°00'	
86			
85			
84			N.87°50'W.
+77°	Δ 113°15'		
83			N.25°20'E
	Begin Curve		
+22°	Δ	60°00'	
82			
+80 = P.I. Sec. Line (Approx)			
81			
80			N.34°35'W.
+49°	Δ 69°00'		
79			
78			N.34°25'E
+59°	Δ 40°30'		
77			N.74°55'E.
+61°	Δ 61°30'		
76			
75			
74			S.43°35'E
+09°	Δ	123°00'	
73			
72			
71			
70			N.13°25'E

Sta.	Lt.	Rt.	
	113°30'		
+58°	32°00'		
105			
104			
103			
102			
101			
100			N.58°25'E
+07°		116°45'	
99			
98			
97			
96			N.58°20'W
+16°		47°15'	
95			
94			
93			
92			
91			
90			
89			S.74°25'W.
+74°	87°45'		
88			
87			N.17°50'W

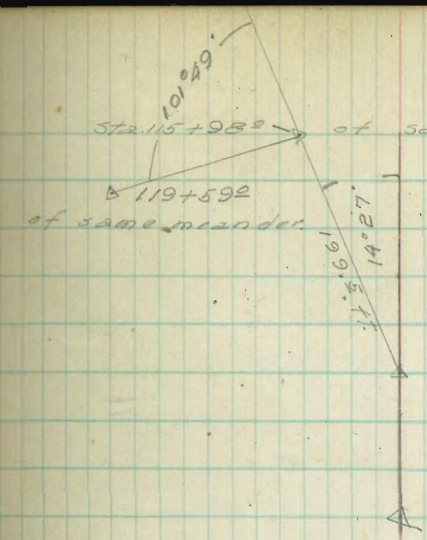
Sta.	Lt.	Rt.	Cal. Course	Mag Course
125				
124				
123			S.31°20'E	
	+59° △ 31°00'			
122				
121				
120			S.00°20'E	
	+59° △	94°00'		
119				
118				
117				
116			N.85°40'E	
	+98° △	30°45'		
115				
114				
113				
112				
111			N.54°55'E	
	+14° △	110°00		
110				
109				
108				
107				
106			N.55°05'W	

Sta.	Lt.	Rt.	
+24.2		91°00'	
142			
141			
140			N.49°35'W
+47.2	66°15'		
139			
138			N.16°40'E
+19.2		82°30'	
137			
136			
135			
134			N.65°50'W
+45.2	80°30'		
133			N.14°40'E
+17.2	59°30'		
132			
131			
130			
129			N.74°10'E
+05.2	48°00'		
128			
127			
126			S.62°50'E
125 +11.2	31°30'		

Sta.	Lt.	Rt.	
159			N. 7°50' W.
	+44° Δ 49°45'		
158			
157			
[illegible]			N. 41°55' E
	+10° Δ 10°45'		
156			N. 52°40' E
	+10° Δ 76°45'		
155			
154			
153			
152			S. 50°35' E
	+72° Δ	40°30'	
151			
150			N. 88°55' E
	+92° Δ 36°00'		
149			
148			
147			
146			S. 55°05' E
	+78° Δ	43°30'	
145			
144			
143			N. 41°25' E

Sta.	Lt.	Rt.	
177			
176			
175			
174			
173			S.69°26'W
+63°	△61°00'		
172			N.49°35'W
+21°	△108°00'		
171			
170			
169			
168			
167			N.58°25'E
+86°	△	100°15'	
166			
165			
164			
163			N.41°50'W.
+14°	△	48°30'	
162			
161			
160			S.89°40'W.
159 +28°	△82°30'		
			X

Sta.	Lt.	Rt.		
195				
194				500
193				
192			N.86°05'W.	
+83°		72°00'		
191				
190			S.21°55'W.	
+75°	73°30'			
189				
188			N.84°35'W	
+26°		53°30'		
187				
186				
185				
184			S.41°55'W.	
+62°	36°00'			
183				
182				
181				
180			S.77°55'W.	
+95°		32°00'		
179				
178			S.45°55'W	
177+68°	23°30'			



sum ∠s. LT = 985°46'
" ∠s RT = 625°45'
360°01'

Sta.	Lt.	Rt.		
212			S 28°25'W	213
	+31° △	57°15'		
211				
210				307
209			S 28°50'E	
	+24° △	84°15'		
208				
207				294
206			S. 55°25'W	
	+30° △	44°45'		
205				
204				274
203			N. 79°50'W	
	+56° △	91°30'		
202				211
201			S. 8°40'W.	
	+45° △	28°00'		
200				
199				362
198				
197			S 36°40'W	
	+83° △	57°15'		
196				

Sta.	Lt.	Rt.		
230				561
229				
228			N.5°50'W	
+72°	△	109°00'		
227				322
226				
225			S.65°90'W	
+50°	△ 134°00'			
224				
223				429
222				
221			N.19°10'E	
+21°	△	138°30'		
220				
219				
218				428
217				
216			S.60°40'W	
+93°	△ 63°30'			
215				249
214			N.55°50'W	
+44°	△	95°45'		
213				

Sta.	Lt.	Rt.		
248			N.44°50'W	354
+27°	△104°00'			
247				211
246			N.59°10'E	
+16°	△102°30'			
245				
244				252
243			S.18°20'E	
+64		36°00'		
242				
241				284
240			S54°20'E	
+80°	△	25°45'		
239				
238			S80°05'E	234
+46°	△	156°45'		
237				
236				413
235				
234			N.56°50'W	
+33°	△51°00'			
233				
232				
231				

Sta.	Lt.	Rt.		
+21°	△ 68°45'			
265				
264				
263				
262			N.70°50'E.	
+96	△	51°15'		
261				
+14°	△			
260				191
259			N.63°05'W	
+23°	△ 39°15'			
258			N.23°50'W	105
+18°	△ 68°30'			
257				
256				330
255				
254			N.44°40'E	
+88°	△ 64°30'			
253				307
252				
251			S70°50'E	
+81°	△	154°00'		
250				
249				

Sta.	Lt.	Rt.	
283			S.42°25'E
	+04° Δ 69°15'		
282			
281			
280			S.26°50'W
	+61° Δ 54°00'		
279			
278			
277			S.80°50'W.
	+56° Δ	123°45'	
276			
275			
274			
273			
272			S.42°25'E
	+96° Δ	40°30'	
271			
270			
269			S.82°55'E
	+83° Δ	37°00'	
268			N.60°05'E
	+49° Δ	58°00'	
267			
266			N.2°05'E

Sta.	Lt	Rt		
303				
302				
301				
300				
299				815
298				
297				
+57° Δ		80°30'		
296			N.18°52'E	
295				412
294				
293				
+45° Δ		93°45'		
292				
291				
290				590
289				
288				
287			N.74°53'W	
+55° Δ				
286				
285			S.79°40'E	
+13° Δ		37°15'		
284				

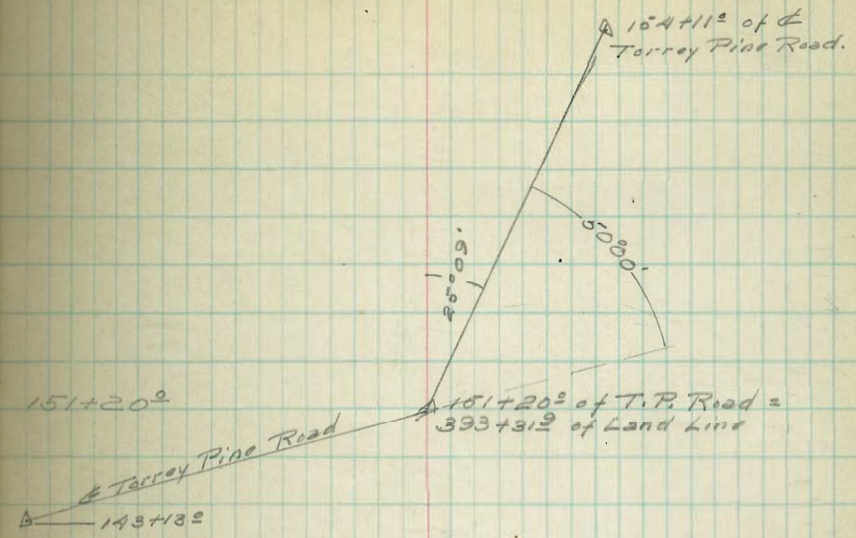
Sta.	Lt.	Rt.		
321				
+05°	△ 95°45'			
320				
319				
318				785
317				
316				
315				
314				
313			N.22°23'W	
+17°	△ 93°30'			
312				
311				
310				509
+67°	△ T. O.T.			
309				
308			N.71°07'E.	
+08°	△ 89°30'			
307				236
306				
305			S.19°23'E	
+72°	△	61°15'		
304			S.80°38'E	

Sta.	Lt.	Rt.		
341				
340				
339				
338				
337				
336				931
335				
334			S.79°38'E	
	+55° △	92°45'		
333			N.7°37'E	144
	+10° △	90°15'		
332				
331				
330				520
329				
328				
327			N.82°38'W	
	+90° △ 63°45'			
326				
325				404
324				
323			N.18°53'W	
	+86° △	99°15'		
322			S.61°52'W	281

Sta.	Lt.	Rt.		
+50°	△16°00'			
358				245
357			S.64°52'W	
+05°	△51°45'			
356				
355				
354				
353				
+25°	△P.O.T.			666
352				
351				
350			N.63°23'W	
+39°	△66°00'			
349				366
348				
347				
346			N.2°37'E	
+53°	△16°15'			
345				267
344				
343			N.18°52'E	
+86°	△81°30'			
342			S.79°38'E	

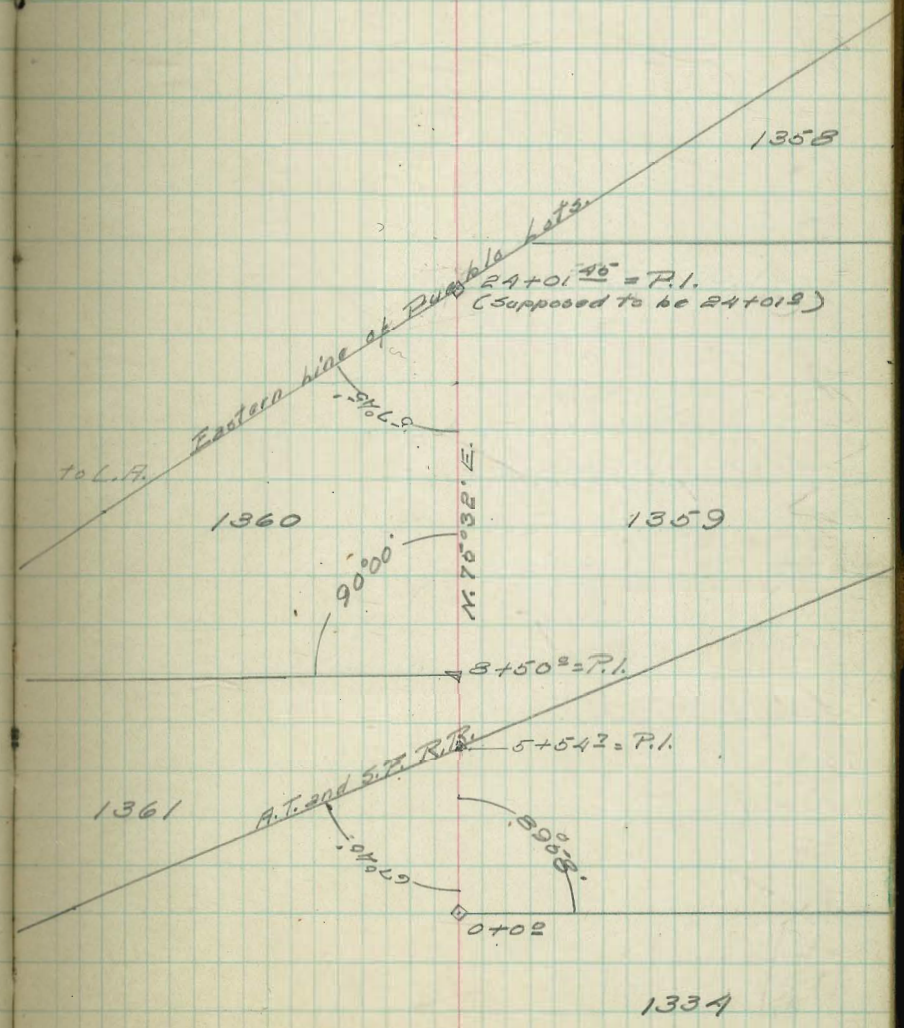
Sta.	Lt.	Rt.		
379			N.11°53'W.	
378				836
+47.9		9°00'		
377				
376				
375				
374				
373				
372				
371				
+82.0	P.O.T.			
370				
369				
368				
367				
366				
365				1538
364				
363			N.20°53'W.	
+69.0		110°15'		
362				
361				359
360				
359			S.48°52'W.	

Sta.	Lt.	Rt.		
+31.9		25°09' to Sta 154+11.0 ℄ Road		
+31.9 = P.L. ℄ Torrey Pine Road. Sta.				
393				
392				
391				
390			467	
389			N.71°01'W	
+65.5	72°08'		(72°02'30")	
388				
387			282	
386			N.1°07'E	
+83.9		13°00		
385				
384				
383				
382				
381				
380				



Sta.	Lt	Rt
+29 55	△ P.O.T	
11		
10		
9		
+50	△ S.E. Cor. 1361	
8		
+24	Fence	
7		
+96	△ Fence	
+73	Fence	
+57	℄ Wagon Road. 112°20' Lt. to ℄ Road.	
+09	Fence	
6		
+54 70	△ P.I. ℄ S.F. R.R. 112°20' Lt. to ℄ track	
+35	= Fence	
5		
+84	= Fence	
4		
+53	= Fence	
3		
2		
1		
0+0	△ Mon. on S. line of 1361 dividing 1334+1359	

Int. Angle 1359 = 89°58'



+01 45 △

24

23

22

21

20

19

18

17

+81 36 △ P.O.T.

16

15

14

13

12

+68° △ S.E. Cor. 1334. (Placed new hub. Old mon. displaced)

7

6

5

4

+63° △ P.O.T.

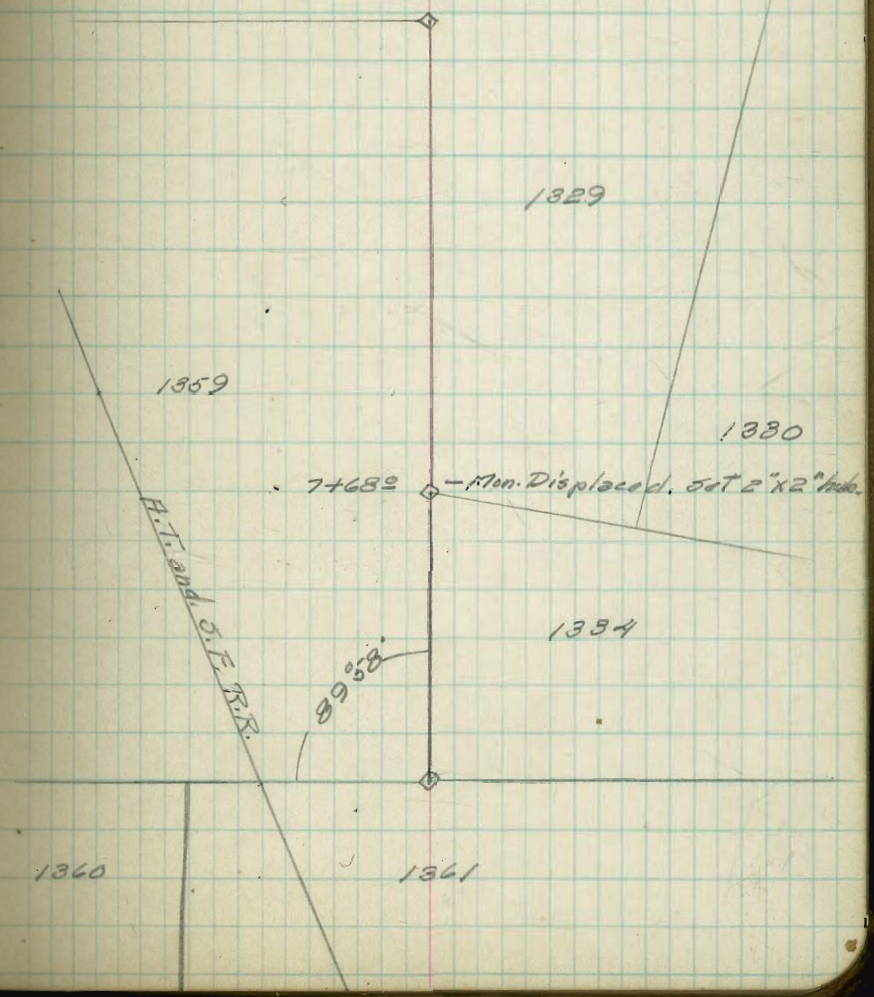
3

2

1

0+0° △ 89°58' = Iat. Angle N.W. Cor. 1359

0+0° △ 6"x6" Post on S. line 1361 dividing 1334 + 1359



+38.5 △ = Cor. on S. Line 1359 div. 1329 + 1357

+38.5 △ 90° offset 98.2' Rt.

17

16

15 +87.43 △ on True line = P.I. Sta. 11+46.85 of W. Line of 1327 Prod. N. through 1329

14

13

12

11

10

9

+01.45 △ 90° offset 98.2' Lt.

8

7

6

5

4

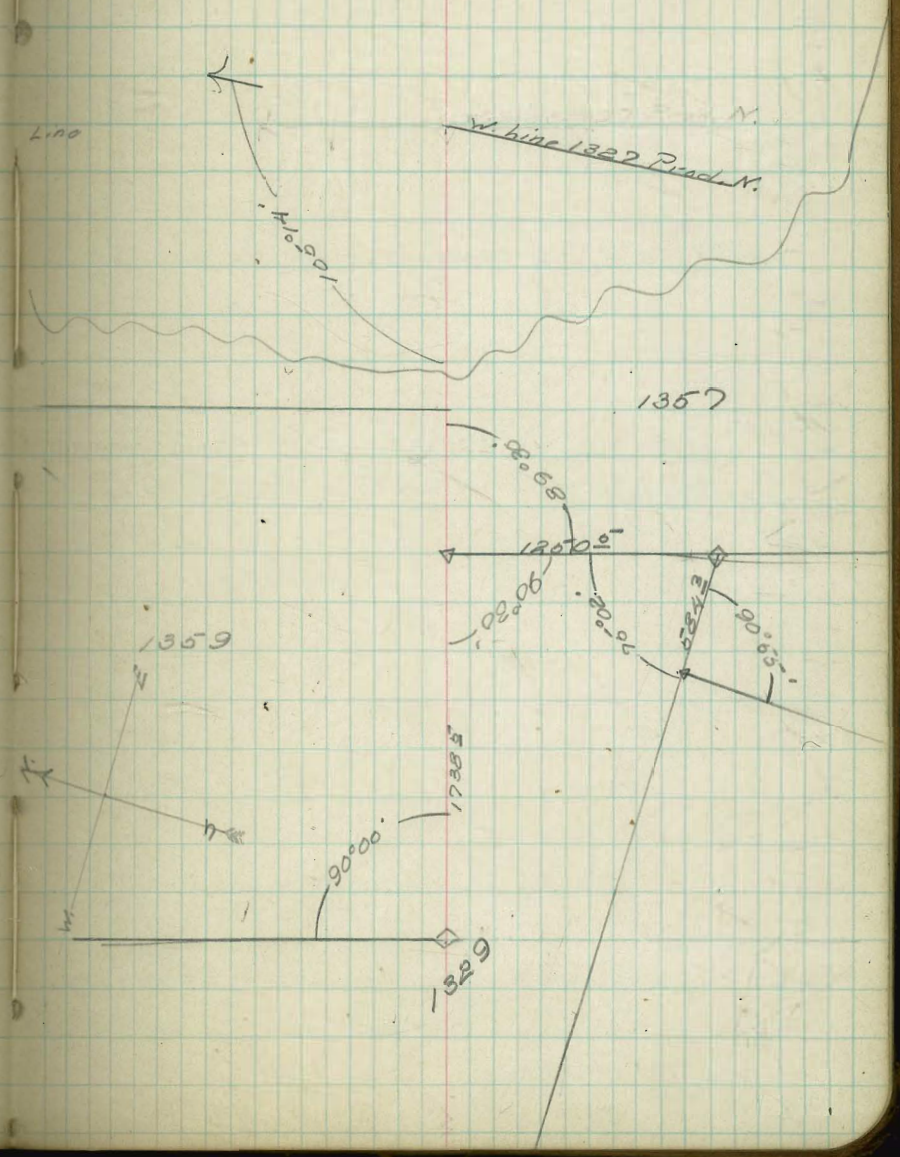
3

+20° △ P.O.T.

2

1

0+0.2 △ = S.W. Cor. 1359. Int. Angle 90°00'



5½ W. Line 1829.

+50 50 △ S.E. Cor. 1329, Int. angle 76°02'

12

11

10

9

+78 63 △ P.O.T.

8

7

6

+15 2 △ P.O.T.

5

4

3

2

1

0+0 2

△= Cor. on S. Line 1359, div. 1829 & 1857

Int. angle 90°31' N.E. Cor. 1329

For map see page 54.

E 584.3 ft. of S. Line 1329.

+84.32 △ N.W. Cor. 1328. Int. angle 90°55'

5

4

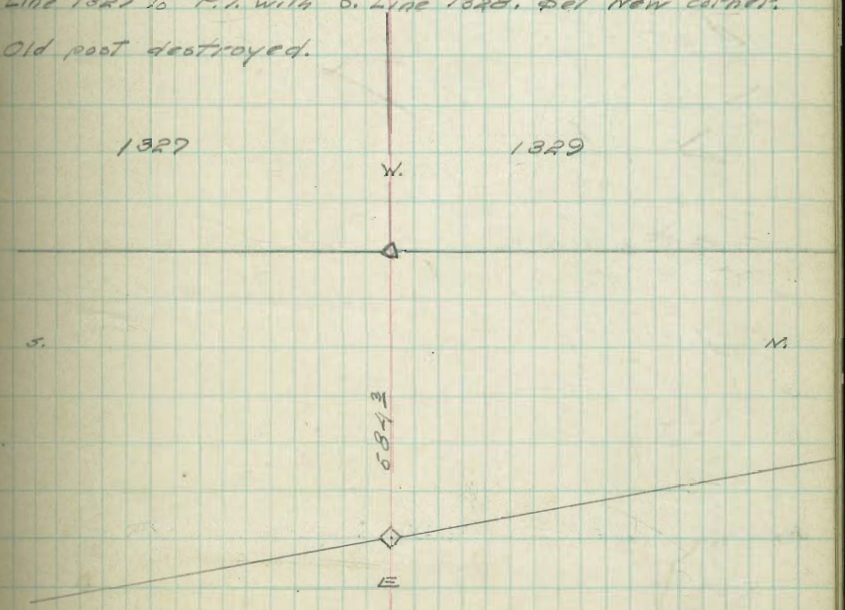
3

2

1

0+0.0 △ S.E. Cor. 1329. Int. angle 75°02'

Hub at N.E. Cor. 1327 placed by producing E. Line 1327 to P.I. with S. Line 1328. Set new corner. Old post destroyed.



Alleged 1146.85 ft. of W. Line 1328

+46.85 = P.I. S. Line 1359 Sta. 14+87.43

+46.85 105°14' Lt. To hub at

11 Sta. 8+01.40 of S. Line 1359

10

9

8

7

6

+59.6 P.O.T.

5

4

3

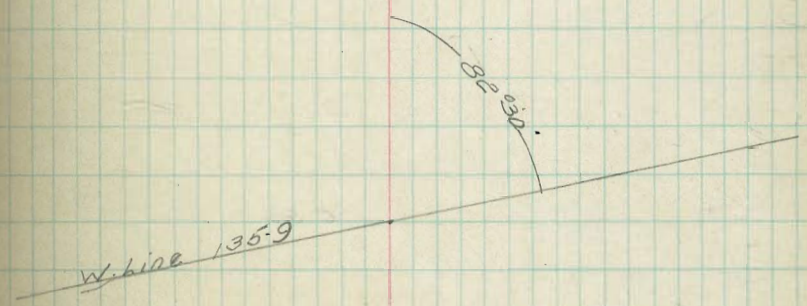
2

1

0+0.0 = N.E. Cor. 1327.

Proposed Pipe Line from Sorrento
(Chained on slope)

Sta.	Lt.	Rt.
21		
20		
19		
+50°	15-0/15-1	
18		
17 +0°	△ P.O.T.	
16		
15		
14		
13		
12		
11		
10		
9		
8		
7		
6		
5		
4		
3		
+24°	△ S.W. Cor. Block 25 Sorrento	
2		
1		
0+0°	△ Hub in center of creek.	



Levels along Pipe Line - Gurants.

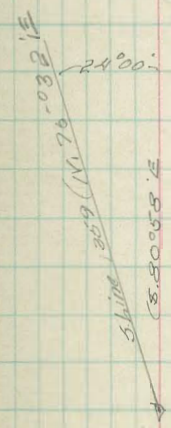
Sta.	+	H.I.	−	Elev. (Assumed)	Hub
				25.00	0+03
	12.36	37.36			
1			5.9		
T.P.			1.10	36.26	
	12.40	48.66			
2			10.8		
3			5.6		
T.P.			0.75	47.91	
	12.47	60.38			
4			10.6		
5			4.2		
T.P.			0.42	59.96	
	12.72	72.68			
6			9.6		
T.P.			0.85	71.83	
	12.78	84.61			
7			9.9		
T.P.			0.6	84.01	
	12.15	96.16			
8			10.5		
T.P.			0.86	95.30	
	12.20	107.50			
9			5.2		
+35			3.0		

	+	H.I.	−	Elev.
10			14.2	
T.P.			0.36	107.14
	12.81	119.95		
+51°			6.6	
T.P.			0.35	119.60
T.P.	12.71	132.31	0.29	132.02
	12.23	144.25		
11			8.2	
T.P.			0.56	143.69
T.P.	13.00	169.16		
12			5.7	
T.P.			0.00	169.16
T.P.	12.57	181.73	0.00	181.73
T.P.	13.15	194.88	0.73	194.15
	12.21	206.36		
13			9.8	
T.P.			0.00	206.36
T.P.	13.00	219.36	0.00	219.36
T.P.	12.55	231.91	0.54	231.37
	12.43	243.80		
14			11.2	
T.P.			0.00	243.80
T.P.	12.46	256.26	0.00	256.26
T.P.	12.62	268.88	0.00	268.88

	+	H.I.	−	Elev.		
T.P.				268.88		
	12.75	281.63				
15			6.5			
T.P.			0.00	281.63		
T.P.	12.48	294.06	0.00	294.06		
T.P.	12.48	306.54	0.00	306.54		
	12.62	319.16				
16			10.6			
T.P.			0.18	318.98		
T.P.	12.01	330.99	0.00	330.99		
	12.65	343.64				
17			11.6			
T.P.			0.00	343.64		
T.P.	13.00	356.64	0.00	356.64		
T.P.	12.41	369.05	0.00	369.05		
T.P.	12.55	381.60	0.00	381.60		
T.P.	12.41	394.01	0.00	394.01		
T.P.	12.44	406.45	0.00	406.45		
T.P.	13.25	419.70	0.00	419.70		
	12.14	431.84				
B.M.			4.37	427.47	Hub	338+55° Arable Land Line.
T.P.			0.00	431.84		
T.P.	12.26	444.10	0.71	443.39		
T.P.	12.49	455.88	3.17	452.71	Hub	115+43° of Tower Pine Road

Arable Land on Flat N.W. Sorrento

Sta.	Lt.	Rt.	
+69°	△ 41°15'		
18			
17			
16			
15			
14			
13			
12			
11			
10			
9			S.56°32' W
+78°	△	25°00'	
8			
7			
6			
5			
4			S.31°32' W.
+71°	△	112°00'	
3			
2			S.80°28' E
1			
0+0°	△	24°00' from Sta. 2+01.10 S. Line 1259	
0+0°	△ = Sta. 2+20° of S. Line 1259		



	Lt	Rt.	
39			
38			
37			
36			N.83°49'E
~~36~~ +31°	△	38°32'	
35			
34			
33			
32			
31			
30			
29			
28			N.50°17°E
+47°	△ 16°30'		
27			
26			
25			
24			
23			
22			
21			
20			N.66°47'E
+78°	△ 128°30'		
19			S.15°17W

$+98^{\underline{2}}$ △ 83°02' Lt. to Sta. 11+46$^{\underline{85}}$

$+98^{\underline{20}}$ △ = P.I. Sta. 5+59$^{\underline{6}}$

41

40

Pipe Line Cont. from P. 58

+30°

31

30

29

28

27

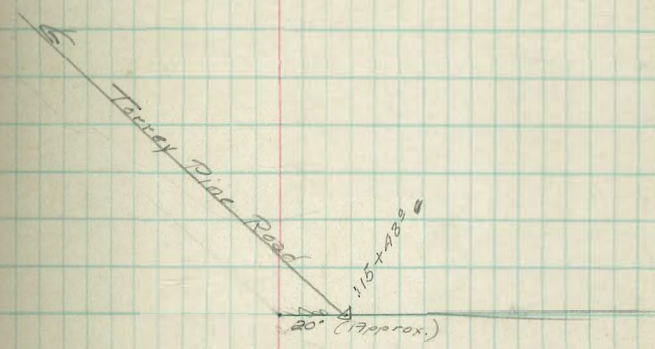
26

25

24

23

22



Lt.

23

22

21 + 0° △126°40'

20

19

18

17

16

15

14

13

12

11 + 0° △100°09'

10

9

8

7

6

5

4

3

2

1

△46°48' Rt. from line to S. W. Cor. 1359

0 + 0° △ Post - N.E. Cor. 1329

+50° Δ 133°12' to Δ Sta. 11+0° of meander.

34

33

32

31

30

29

28

27

26

25

24

S. 51°15' E
62° —
S 10° 45' W

180
32°44'
142°16

Begin at junction Torrey Pine Road &
Land Line & Check angles
Check angles Traverse E. Side Canyon from
S. line 1296 to P.I. Prop line 11 to E line W. 1/2 1296
Check angles Canyon road from Sta 19+88
Check field books against map.