Pt Loma Blvd
Escondido Blvd

TRANSIT

1898

F.B. 355

J. M. Iskell.
San Diego
Murphy Canon Jc Escon. Mag

Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees
	DEGREES		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		
2	99.94	3.49	99.92	3.93	[illegible]	4.36	99.88	4.80	88
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	[illegible]
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	
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	[illegible]	86.38	[illegible]	86.16	[illegible]	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	[illegible]	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	[illegible]	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	
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							

MICROFILMED
1964

Published by H. S. Crocker Company, Stationers, Drawing Materials, Mathematical Instruments, etc., San Francisco.

N.E. Cor Bacon & Newport
brass plg. mont. 12.27
Hall S.W. Cor. Harry & Colon's Fence 9.51
Dyke - 5.43'

26	
27	
28	
29	87.
30	86.
31	85.72
32	84.80
33	83.87
34	82.90
35	81.
36	
37	

17.45

Survey of Boulevard on Pt. Loma

Station	Angle	Dist.	Needle.
48+23.7			
44+85.6 △	89°59' R.		S21°45' W.
38+56			S68°15' E
37+95 △			
36+00 △			
31+36.7			
28+00 △			S68°15' E.
25+38.7			
18+19			
15+00 △			S68°15' E
5+00 △			
0+00			S68°15 E.

POSTED

Starting on Newport Ave. 500' N. of N. line Bacon St.

N. line Niagara Ave.

℄ Santa Barbara St. line 185. of ℄ Newport Ave

E. side Guizot St. E 18 N. of line N. of Guizot.

POSTED

N. line 6th St.

E line Ebers St. 5th St.

N. line DePee St. 4th St.

N. line Bacon St.

Hub. 500' N. of N. line Bacon St. (2nd St.)

70+55

59+63.3b

55+83.8

52+03.6

N line Santa Cruz Ave

N line DeMonte Ave

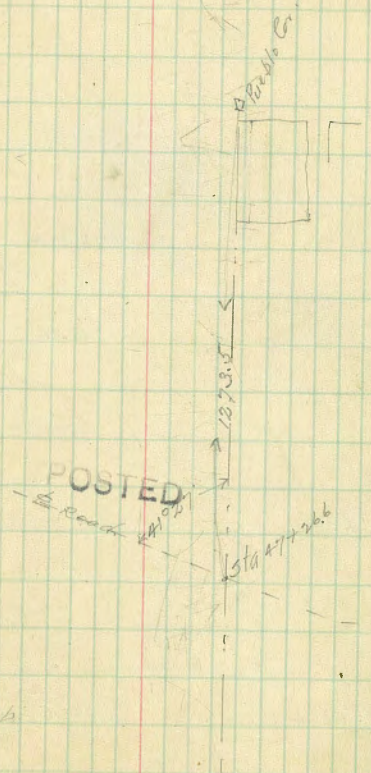
N line Narragansett Ave

Pt. Loma Blvd. thro 204.

58+50 Δ	13°57' L		S 81°30' E	
		329.2		
55+20.8	24°47' R.		S 67°38' E	
		415.8		
51+05 Δ	25°10' L		N 87°30' E	
		300.5		
48+00 Δ	47°30' L		S 67°15' E	
47+26.6		235.0		Pueblo Line
45+65 Δ	35°12' R.		S 15°45' E	
		320.0		
42+45 Δ	35°35' R.		S 55°0' E	
		205.0		
40+40 Δ	27°15' R.		N 89°30' E	
36+15 Δ		1290.2		
27+49.8	40°26' R.		N 62°30' E	
		280.1		
19+69.7	28°16' R.		N 22°0' E	
		1290.5		
6+79.2 Δ	61°45' R.		N 6°30' W.	
0+00			N 68°30' W	

Backsight ℄ Newport

POSTED



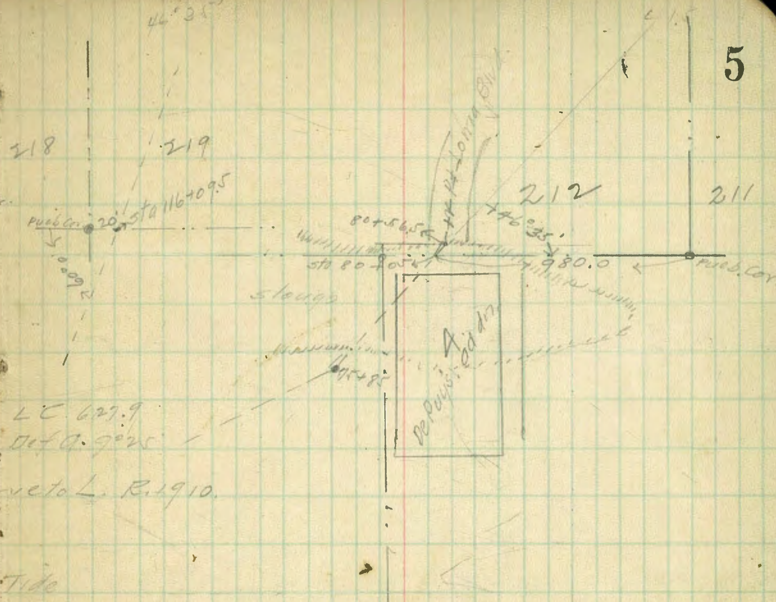
POSTED

on sandy beach

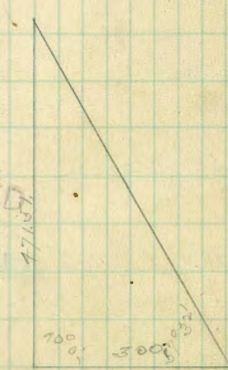
0+00 = W side Bacon St. & E Newport Ave.

See page 11

				N48° 23E
123+91.4△	5°52'L		N48°15'E	Inter. Lot line
		781.9		
116+09.5	2°39'R.		N54°15'E.	✓ E line Loma alta No.
		279.7		
113+29.8			N51°30'E.	P.T.
				N. edge peninsula
110+00				Top of peninsula
108+00				Edge of Low land
107+01.9△				P.C. curve to L. R. 1910.
99+88.6				Edge water Low Tide
98+98.6△			N70°30'E	
98+90±				Bank of slough.
87+35.8△			N70°30'E	P.T. L.C. 679.3' Def. Angle = 22°04
				P.C. to right. Rad. 881.9
80+56.5△				Inter. E. W. H. Loma Blvd & Aliso St. E. side
80+05				Inter. Pueb. Line bet 212 & 206.
76+22				Edge of Bluff. to Slough
75+85△	4°20'L		N64°50'E	
74+15△				
		835.0		
65+80	14°08'L.		N69°15'E.	
		410.8		
61+69.2△	15°03'L.		N83°30'E	=34+80 Old line
		319.2		



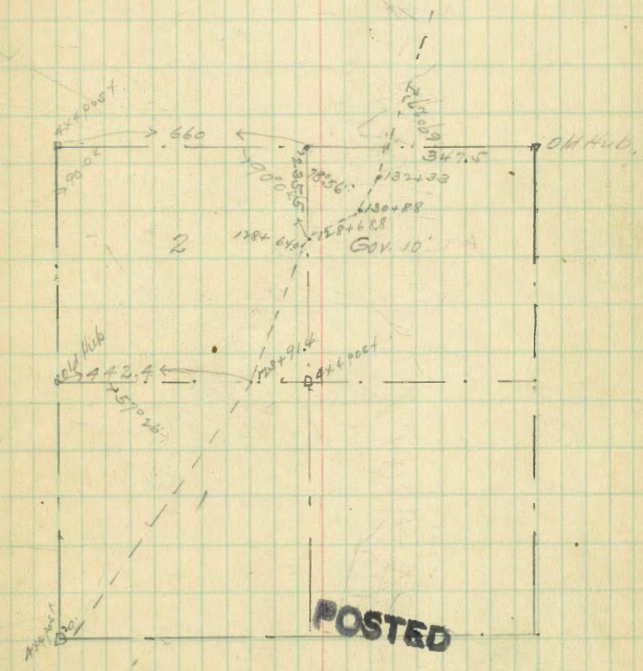
1577.7
30°
471.5 10°



POSTED

POSTED

123+91.4



133+05 △			inter. Pueb. line △	69°27'
132+33 / 72 / 05	9°04' L	N42°0'E		
130+88.0	49°20' L	N51°0'E	℄ Dyke	
128+68.8			inter. Pueb. Lot	△ 78°56'
128+64 △	52°08' R	S79°30'E		
128+00			Pt. of land.	

Void

A line. Commencing at inter ℄ Abbot St. & E line Ocean Beach Extension No 1

6+00	P.C. curve to R.	R 230' Δ 90°0' L.C. 361.77
0+00		inter ℄ Abbot St & Ocean Beach Ex No 1. Back sight ℄ Abbot St.

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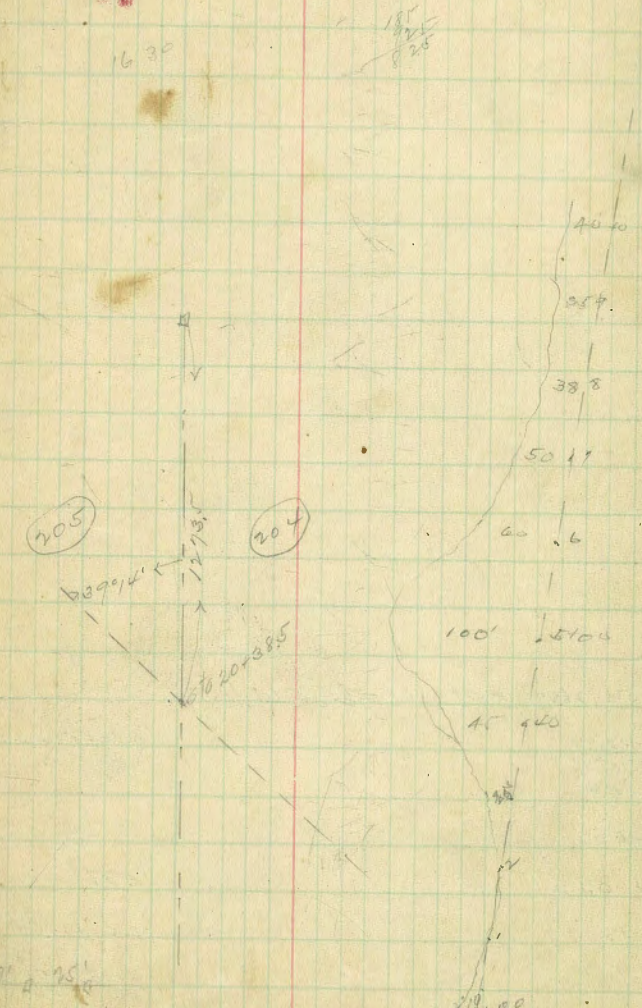
"B" Line Commencing at N. line Ocean Beach Exten & ℄ Spray St.

All P.C.s and P.T.s tied out 50' at right angles to Tangent on both sides of Center line

41+60.57			P.T.	
			L.C. 627.15 Long Chd. 621.94 Tang 318.93 R. 1400 Δ 25°40'	
35+33.42			P.C. curve to L	
33+43.42			P.T. L.C. 244.46 R. 550' Long Chd = 242.45 Tang 124.28 Δ 25°28'	
30+98.96			P.R.C. Long Chd = 305.85 L.C. 312.06 Tang 162.6 R. 450' Δ 39°44'	
27+86.9			P.C. curve to R.	
	1'	144.1		
26+42.88			P.T. R. 350' L.C. = 504.48 Tang = 307.48 Δ 82°36	
21+38.4			P.C. curve to L	
20+38.5			Inter Pueb. line	
19+62 = 19+80	= P.T.			
18+80 Δ 38°03' R.		S. 19°30' E.		L.C. 192.59 T. 100 R. 290 Δ 38°33
17+69.50		355.0		P.C. R.
16+07.03				P.T.
15+25 Δ 33°01' R.		S. 55°30' E	S 55°19 E.	L.C. 179.85 T. 92.5 R. 312.1 Δ 33°01'
14+27.26		185.0		P.C.C.
13+40 Δ 12°40' R.		S. 88°30' E	S 88°20 E	L.C. 184.29 R. 833.4 T. 92.5 Δ 12°40
12+43.06		305.0	P.E.	P.C.
11+80.56			P.T.	L.C. 295.76 T. 150 R. 720.6 Δ 23°31'
10+35 Δ 23°31' R.		N. 79°0' E.	N 79°01' E	
8+85				P.C. R
0+00 Δ 33°27' R.		N 55°30' E	N 55°30 E	

changed see page 39

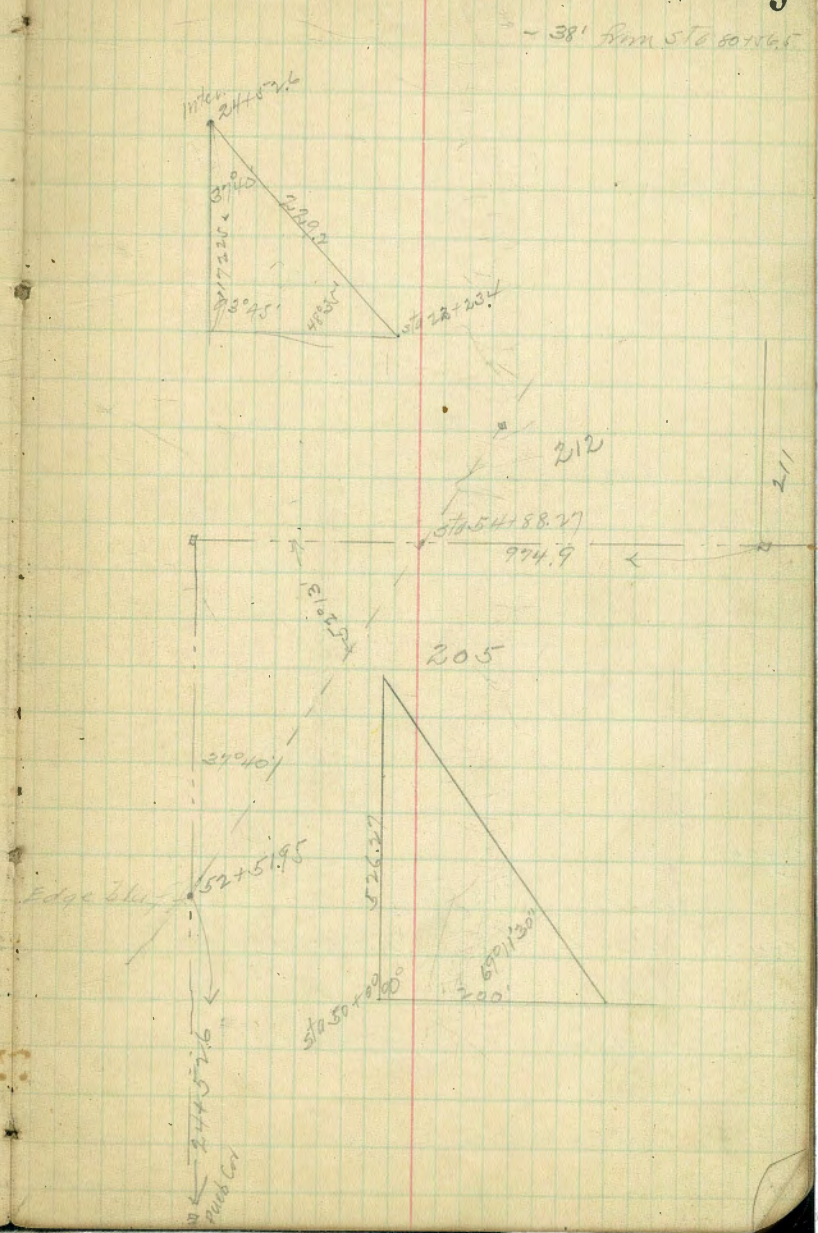


27+21 Main line = 0+00 B. Line = N. line O.B. Ext.

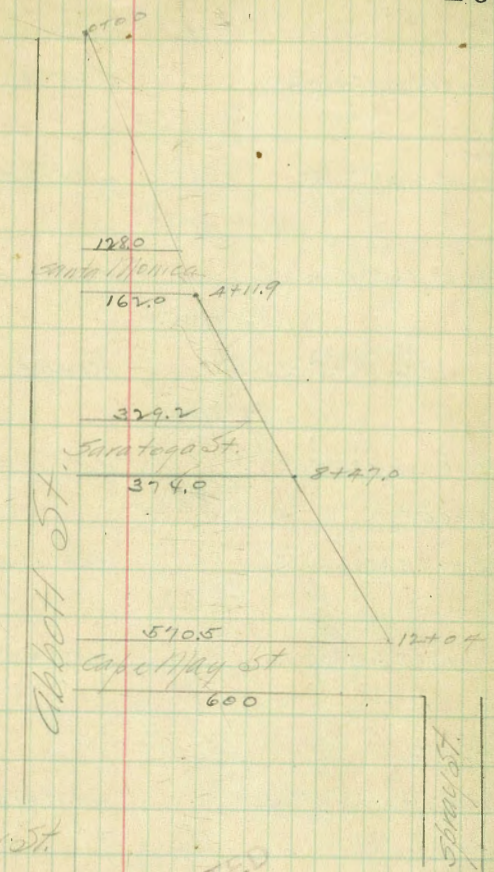
Back sight on ℄ Spray St.

sta 55+26.27 = sta 80+56.5 Old line

54+88.27	inter pueb. line
52+51.95	inter " "
51+00	
50+00	Triangulation Pt.
48+60.1 △	P.T.
	L.C. 199.54
	T = 100'
	△ 9° 07'
	R, 1254.3
46+60.57	P.C. curve to L



Property line of Ocean Beach on Water Front.
Stakes set on prop. Line



12+04			
		357	
8+47	4°26' L		N 11°40' W.
		4351	
4+11.9	6°01' L		N 7°15' W.
0+00	66°52' R		

S. side Cape May St.

POSTED

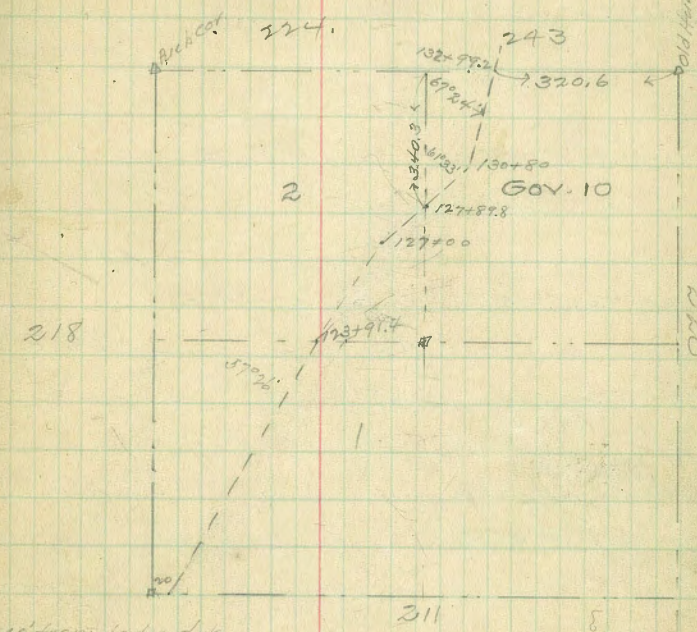
N. side Saratoga St.

N. Line Santa Monica St.

0+00 = Inter. N. Line Newport & Ocean Front.
Backsight on N. Line Newport are

164+88.5 △ 2°42' R.		N 57°30' E.		
161+22.7	556.3		inter. Pueb. Line	
160+01.1			inter. Pueb. Line	
159+32.2 △ 2°33' R.		N 55°0' E		
	468.4			
154+63.8 △ 2°19' R.		N 52°20' E		
	435.0			
150+28.8 △ 2°53' R.		N 50°0' E		
	629.6			
143+99.2 △ 2°51' R.		N 47°10' E		
143+06.6	521.9		inter. Pueb. line bet.	243-259
138+77.3 △ 2°24' R.		N 44°30' E		
	561.1			
133+26.2 △ 2°02' L.		N 42°0' E.		
	246.2			
132+99.2			inter. Pueb. line	
130+80 △ 38°57' L		N 44°0' E	= pt on a line	
130+00				
128+70				
128+65.7 △	380.0			
128+18.6 △				
127+89.8			inter. pueblo Line	
127+85				
127+65				
127+00 △ 34°45' R.		N 83°0' E		
	308.6			

From page 5



40' from Wedge dyke.

Foot of bluff

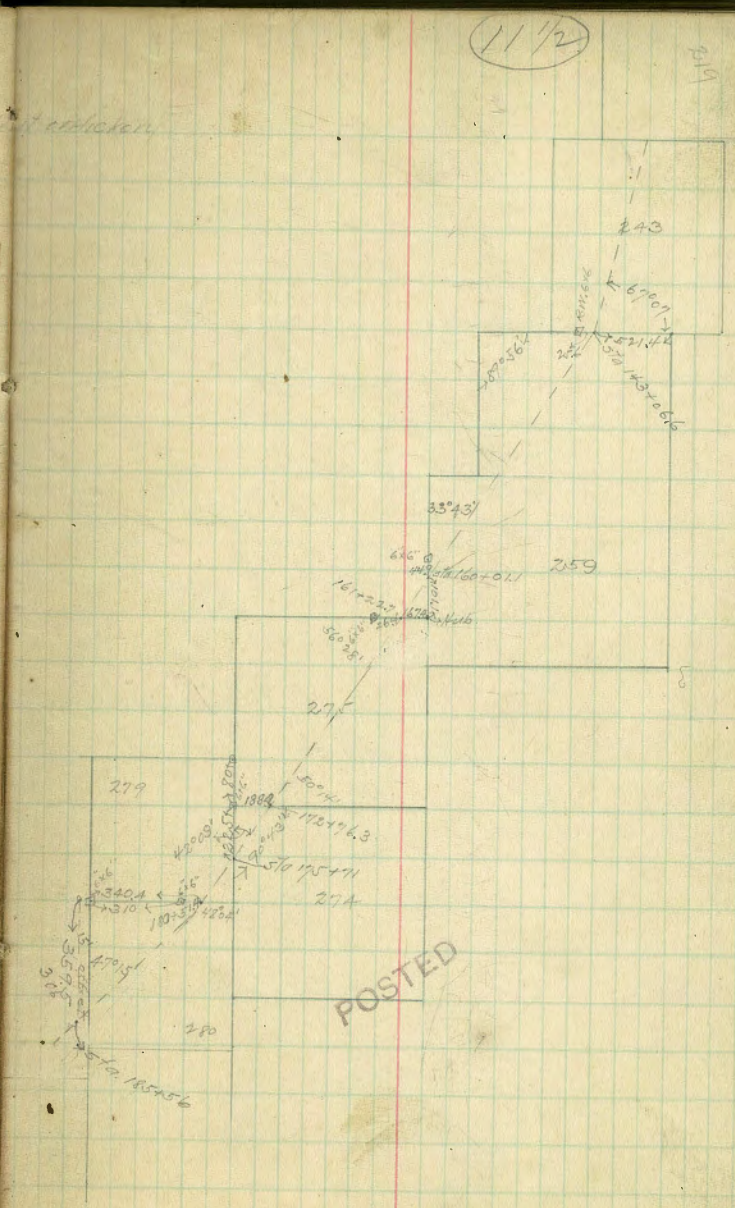
Top of bluff

Top of bluff

Foot of bluff

POSTED

209+39.4 △		162.3		inter. Taylor & Chestnut or Hickory
207+77.1 △	53°57' R			
207+29.7 △		497.7		
202+79.4	3°08' R.		N78°0' E.	
		591.8		
196+87.6 △	3°10' R		N74°45 E	
				℄ Santa Fe. Ry.
191+09.2		687.6		
190+05				℄ La Jolla Ry.
190+00 △	3°05' R.			
		500		
185+56				inter. 15' offset to S. bet. 280-306
185+00 △	2°43' R.		N68°40' E	
		418.6		
180+81.4	2°33' R.		N66°0' E	
180+51.4				inter. Pueb. Line
175+71		559.2		inter. Pueb. Line
175+22.2	3°06' R.		N63°20' E.	
172+76.3		526.4		inter. Pueb. Line
169+95.8	2°42' R.		N60°15' E.	
		507.3		



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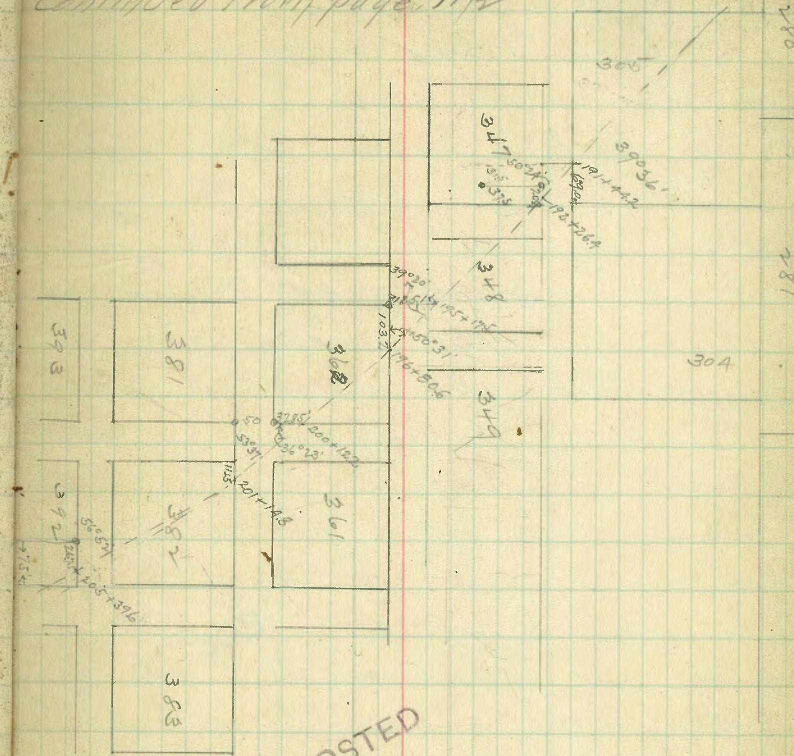

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Centerline Stakes on Prima Blvd. from Spray St.

From Station Sta 25 =

Sta.	Grade.	Elev.	Eastside	B.M.
Inter Sta.	Cut	Bench Ex.		
0+00	3.40	0.4	5.30 F3.0	5.43 / 0.30 / 5.73 / 4.07 / 1.66 / 4.29 / 5.95 H / 4.38 / 1.57 / 5.77 / 7.34
1				
2				
3				
4				
5		-1.04	6.51 F4.4	
6		0.73	5.72 F3.2	
7		1.29	4.66 F2.1	
8		1.10	4.85 F2.3	7.34 H / 6.21 / 1.13 / 8.99 / 10.12
9		2.56	4.78 F0.8	
+50		2.22	5.12 F1.2	
10		1.93	5.41 F1.5	
+50		2.44	4.90 F1.0	
11		5.55	1.81 C2.1	
+50		4.64	2.70 C1.2	
12	3.40	2.31	5.03 FH	H. 10.12
+50		2.17	7.95 F1.2	
13		0.66	9.46 F2.7	
+50		0.20	9.92 F3.2	
14		0.82	9.40 F2.6	
+50		0.57	9.55 F2.8	
15		1.37	8.85 F1.8	
+50		1.72	8.40 F1.7	
16+00		2.79	7.33 F0.6	

Sta.	Grade.	Elev.	Eastside	B.M.
17+00	3.60	4.87	5.25 C.15	H. 10.12 / 0.75 / 9.39 / 4.98 / 14.37 / 2.90 / 11.47
+50	3.70			
18	3.80			
+50	3.90			
19	4.00			
+50	4.90			
20	5.80			
+50	6.70			
21	7.60			
+50	8.50			
22	9.40			

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Grades on Pt Loma Blvd. thro Grane Tract. (x = Change grade)

Sta.	Center Elev.	Center Grade	South side Elev.	S. side		
22	9.60	9.40	9.84	9.35	C 0.4	B.M.
+50	11.80	10.50	11.04	8.15	C 0.5	11.59
23	11.90	11.60	12.27	6.82	C 0.7	7.60 / 19.19
+50	13.50	12.70	13.44	5.75	C 0.7	1.15 / 18.04
24	12.60	13.80	14.64	4.55	C 0.8	8.18 / 26.22
+50	15.50	14.90	15.62	3.57	C 0.7	
25	16.20	x 16.00	16.34	2.85	C 0.3	
+50	16.80	16.67	16.93	2.26	C 0.3	
26	17.40	17.34	17.46	1.73	F 0.1	
+50	17.90	18.01	18.06	1.73	0.0	H.I. 26.22
27	18.40	18.68	18.81	7.41	F 0.1	1.68 / 24.54
+50	19.00	19.34	19.94			5.58 / 30.12
28	20.00	x 20.00	20.01	6.21	0.0	
+50	20.60	20.44	20.94	5.28	C 0.7	
29	21.20	20.87	21.37	4.85	C 0.5	
+50	21.60	21.31	22.00	4.22	C 0.7	
30	21.30	21.75	22.42	3.80	C 0.7	
+50	22.40	22.19	22.77	3.45	C 0.6	
31	22.70	22.62	23.19	3.03	C 0.6	
+50	23.40	23.06	23.69	2.53	C 0.6	H.I. 30.12
32	23.50	23.50	23.72	6.40	C 0.2	
+50	23.90	23.94	24.12	6.00	C 0.2	
33	24.00	24.37	24.49	5.63	C 0.1	
+50	24.60	24.81	24.54	5.58	C 0.3	
34	24.60	25.25	25.02	5.10	C 0.2	

Sta	Center Elev	Center Grade	South side			
+50	25.10	25.69				H.I. 30.12
35	25.90	26.12	26.27	3.85	F 0.1	1.45 / 28.67
+50	26.70	26.56	26.93	3.19	F 0.4	5.92 / 34.59
36	27.50	x 27.00	27.66	2.46	F 0.7	
+50	27.70	27.37	28.06	2.06	C 0.7	H.I. 34.59
37	27.60	27.75	28.38	6.21	C 0.6	4.48 / 30.11
+50	28.50	28.12	28.59	6.00	C 0.5	3.02 / 33.13
38	28.90	28.50	29.04	5.55	C 0.5	
+50	29.10	28.87	29.69	4.90	C 0.8	
39	29.90	29.25	30.24	4.35	C 1.0	
+50	30.3	29.62	30.39	4.20	C 0.8	
40	29.90	30.00	30.51	4.08	C 0.5	
+50	30.10	29.75	30.09	4.50	C 0.3	
41	29.60	29.50	30.01	4.58	C 0.5	
+50	29.60	29.25	29.51	5.08	C 0.3	33.13
42	28.80	29.00	29.10	4.03	F 0.1	3.19 / 29.94
+50	28.10	28.75	~~28.33~~	~~4.80~~	~~C 0.4~~	
43	28.00	28.50	28.33	4.80	C 0.2	
+50	27.90	28.25				
44	28.30	x 28.00	28.64	4.49	C 0.6	B.M. Sta 45.
+50	28.80	27.83	29.58	3.55	C 1.75	29.94
45	28.40	27.67				
+50	28.10	27.50				
46	28.90	27.33				

POST

POSTED

Sta.	Elev.	Grade
+50	29.60	27.17
47	30.1	27+00
+50	30.4	26.37
48	30.9	25.75
+50	30.8	25.12
+60	31.20	25.00
49	31.10	23.26
+50	30.90	21.08
50	29.50	18.91
+50	24.50	16.73
51	17.60	14.56
+50	-4.6	12.38
52	-4.6	10.21
+40	-4.6	8.47
+60		
53	-4.6	6.81
+40	-6.4	6.78
54	-4.6	8.34
+50	-4.6	10.42
55	-4.6	12.50
+26=80+565		13.58
81		15.40
+30		16.66
8+70		18.16
82+10		19.78

Pipe necessary for stough N. side = 70.0 at sta 54+40
S " = 62.0 at sta 52+60

Sta.	Elev.	Grade
82+50		20.19
82+90		20.61
83+30		20.65
+50		20.58
84		20.39
+50		20.20
85		20.01
+50		19.82
86		19.63
+50		19.44
87		19.25
+50		19.06
88		18.87
+50		18.68
89		18.49
+50		18.30
90		18.11
90+30		18.00
90+50		17.49
91+00		16.21
91+50		14.93
92+00		13.65
92+50		12.37
93+00		11.09
93+50		9.81

	Elev.	Grade
94+00		8.53
+50		7.75
95+00		5.97
+50		4.69
96+00		3.40
96+50		2.13
97+00		2.00
Level to Sta 126+00		
126+00		2.00
+50		2.12
127+00		2.25
+50		2.37
128+00		2.50
+50		2.62
129+00		2.75
+50		2.87
130+00		3.00
+50		3.12
131+00		3.25
+50		3.37
132+00		3.50
+50		3.62
133+00		3.75
+50		3.87
134+00		4.00

Sta	Elev.	Grade
134+50		4.12
135+00		4.25
+50		4.37
136+00		4.50
+50		4.62
137+00		4.75
+50		4.87
138+00		5.00
+50		5.04
139+00		5.09
+50		5.13
140+0		5.18
+50		5.22
141+0		5.27
+50		5.31
142+0		5.36
+50		5.40
143+0		5.45
+50		5.49
144+0		5.54
+50		5.58
145		5.63
+50		5.67
146		5.72
+50		5.76

	Elev	Grade.
147+00		5.81
+50		5.85
148+0		5.90
+50		5.94
149+0		5.99
+50		6.03
150+0		6.08
+50		6.12
151+0		6.17
+50		6.21
152+0		6.26
+50		6.30
153+0		6.35
+50		6.39
154+0		6.44
+50		6.48
155+0		6.53
+50		6.57
156+0		6.62
+50		6.66
157+0		6.71
+50		6.75
158+0		6.80
+50.		6.84
159+0		6.89

	Elev.	Grade
159+50		6.93
160	7.2	7.00
161	7.2	7.10
162	7.4	7.21
163	7.4	7.32
164	7.7	7.43
165	7.7	7.54
166	7.6	7.64
167	8.0	7.75
168	8.1	7.86
169	8.3	7.96
170	8.5	8.07
171	8.1	8.18
172	8.0	8.28
173	7.8	8.39
174	8.7	8.50
175	7.5	8.60
176	8.7	8.71
177	9.2	8.82
178	9.8	8.93
179	10.3	9.03
180	10.0	9.14
181	10.1	9.25
182	10.6	9.35
183	10.1	9.46

	Elev.	Grade
184	11.2	9.57
185	10.2	9.67
186	10.7	9.78
187	10.3	9.89
188	10.4	10.00
189	10.4	10.70
190	11.4	11.40
191	11.2	11.20
192	11.2	11.00
193	11.5	11.25
194	11.6	11.50
195	12.0	11.75
196	12.1	12.00
197	12.3	12.25
198	12.8	12.50
199	12.8	12.75
200	13.3	13.00
201	13.5	13.25
202	13.8	13.50
203	13.8	13.75
204	14.3	14.00
205	15.4	14.25
206	14.7	14.50
207	14.7	14.75
208	14.8	15.00

Feb 15/10 { Childs
Barber
Taylor

+50 △ 18° 09' L
9+00
+50
8+00 315'
+50
7+00
+50
+35 △ 46° 54' R
6+00 135'
+50
5+00 △ 17° 30' R
+50 100'
4+00 △ 5° 37' R
+50 150'
3+00
+50 △ 6° 30' L
+25
2+00 250'
+50
1+00
+50
0+00 17° 42' R.

14+25 old line = 0+00 "E." line
B.S. Sta 11+93.1

+22.1 △ 30°0' L
18
+50
17
+87.1 △ 33°0 L
+50
16
125'
18°47' L
+62.1 △ = 13+05 "C" Line
+50
15+00
132.1'
+50
+30 △ 45°40' L
14+00
+50
13+00
480'
+50
12+00
+50
11+00
+50
10+00
+75
+65
9+58

+78

+75

+50

+36

+10

+08

24+00

+82.32 20° 25' R

+50

+30

+21

23+00

+50

+40 △ 35° 25' R

22+00

+50

21+00

+70 △ 42° 40' L

+50

100

20+00

+70.1 △ 30° 30' L

+50

78

19

+92.1 △ 18° 40' L

+50

180
35°25
144°35

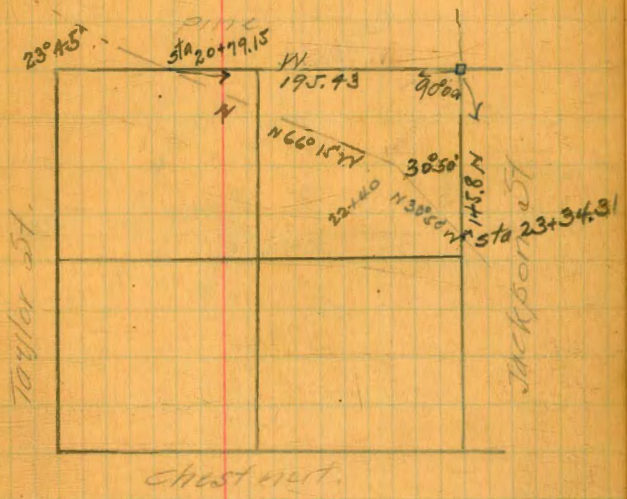
360
258 17
101°43

= 16+35 "C" Line

+92.6 △ center Chesnut
+ Short. St.
+50
+30 △
27+00
+49.1 △ 154° 52' R center of
+19 Short. street
26+00
+95 △
+80
+68
+56
+50
+47
+35
25+00
24+92 △ 8° 00' R.
Change in line from 24+92

26+00
+50
+48
+28.13 △ 56° 40' R.
25+00
24+92 △ 43° 44' R. see diagram page 24

Feb 15/10 { Childs, Barber, Taylor



2382.32
48.01
2334.31

Childs
Barber
Taylor

Feb 18/10

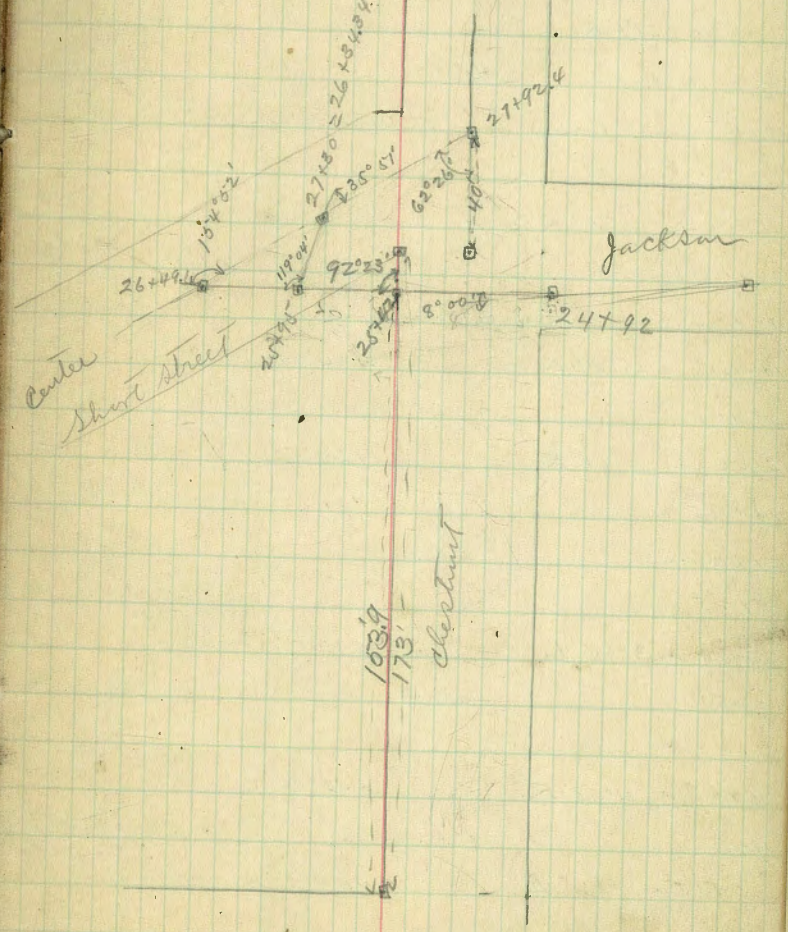
+34.34 Δ 35° 51' R. = 27+30 See page 23 center of Short street

+08

26+00

25+95 Δ 119° 04' R.

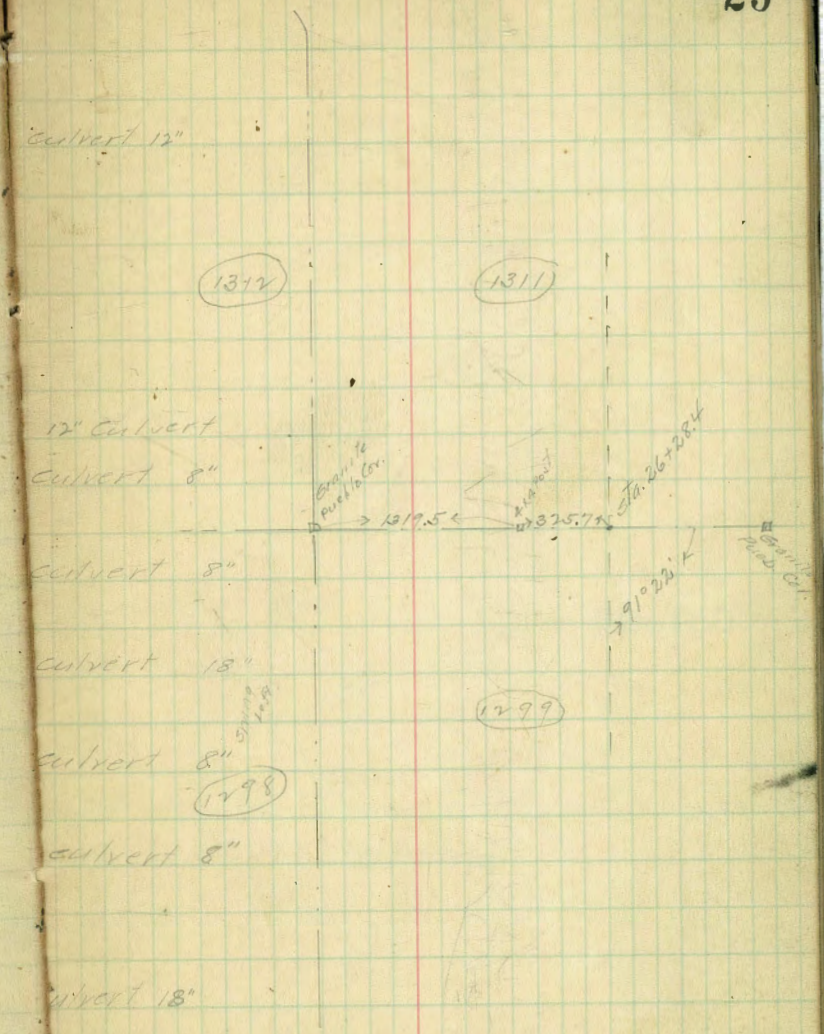
alternate line



Survey of Rose Canon Road

22+00 △	62°0' R.		N37°40'E
21+50			N24°10'W.
21+00 △	28°0' R.		N24°10'W.
20+00 △		135.0	
19+65	28°0' L		N52°15'W.
		165	
18+00 △	15°57' R.		
16+75			
14+90		375.0	
14+75	15°14 L		N40°0'W.
12+75		245.0	
12+60 △	11°06' R.		N24°50'W.
10+95			
10+20 △		400.0	
9+25			
8+00 △	3°16' L		N36°0'W.
7+50		231.0	
5+69 △	11°38' R.		N32°40'W.
1+75		494.0	
0+75 △	7°25' L		N41°20'W.
		95.0	
0+00			N37°0'W.

POSTED

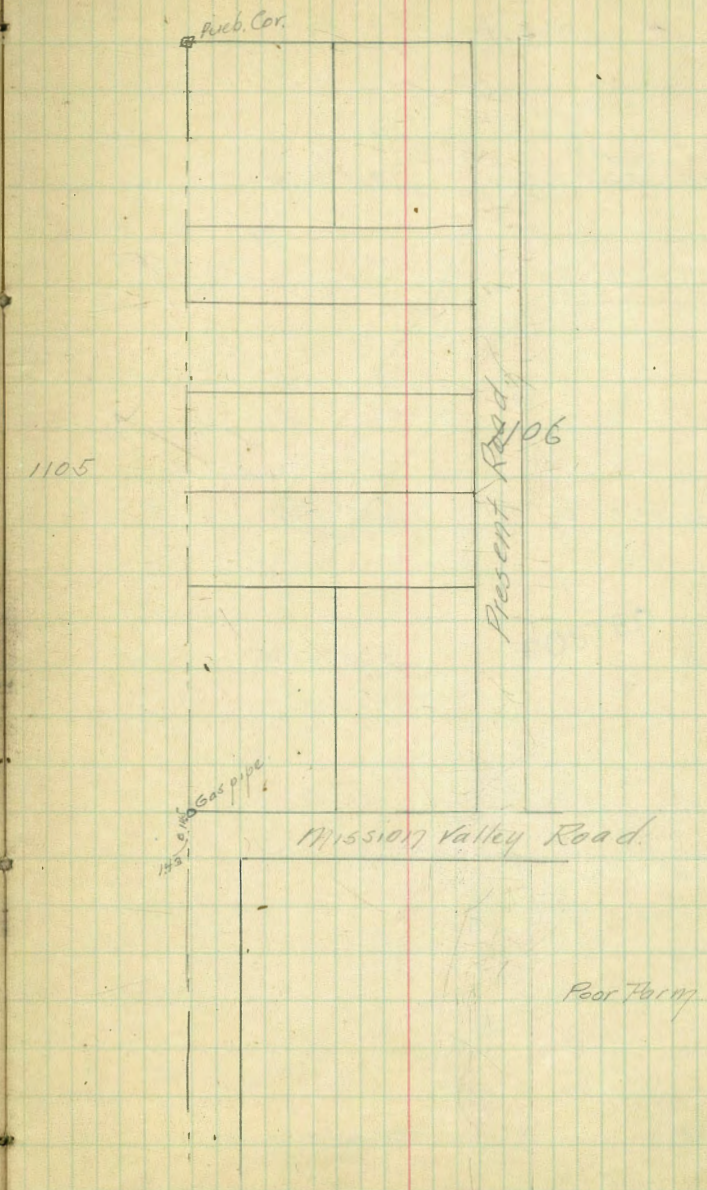


POSTED

POSTED

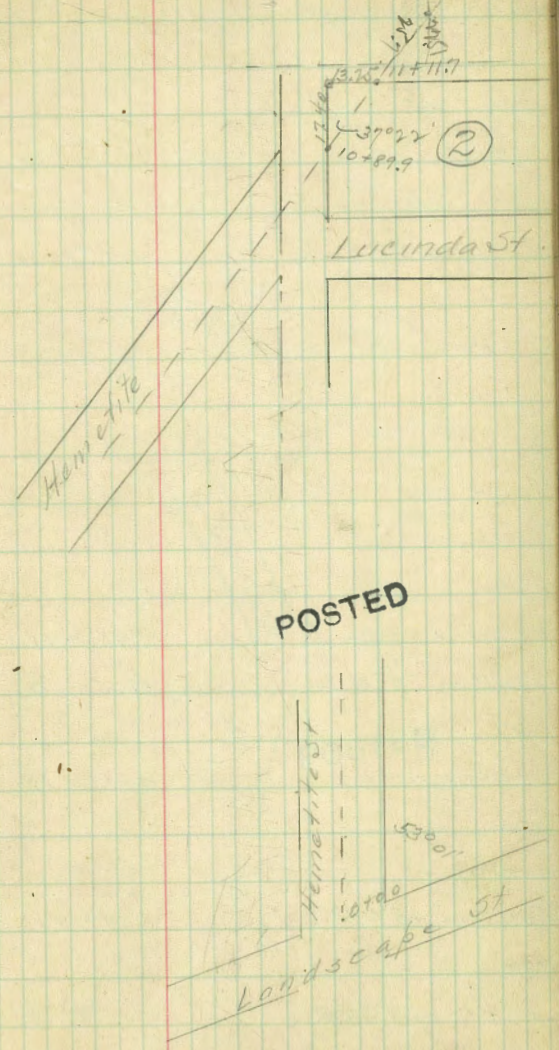
39+00 △			center Miramir Road. (Old road)
36+75			center traveled road (Rose Canon
36+65 △			
34+50			8" culvert
30+00			" "
28+85 △		N 13°30' W.	
26+28.4			intersect Pueblo line bet 1311 & 1299
26+00			8" culvert
22+75 △	51°0' L	N 13°20' W.	

POSTED


Pneb. Cor.
1105
1106
Present Road
Gas pipe
Mission Valley Road.
Poor Farm

Survey Pt Loma Blvd.
From Landscape St West to Govt Res.

21		
20		
19		
18+10 A	2°20' R.	S18°30' W
17		
16		
15		
14		
13		
12		
+50 A	19°75' L	S16°15' W
11		
10		
+25 A		S35°45' W
9		
8		
7		
6		
5		
4		
3		
2		
1		
0+00		S35°45' W



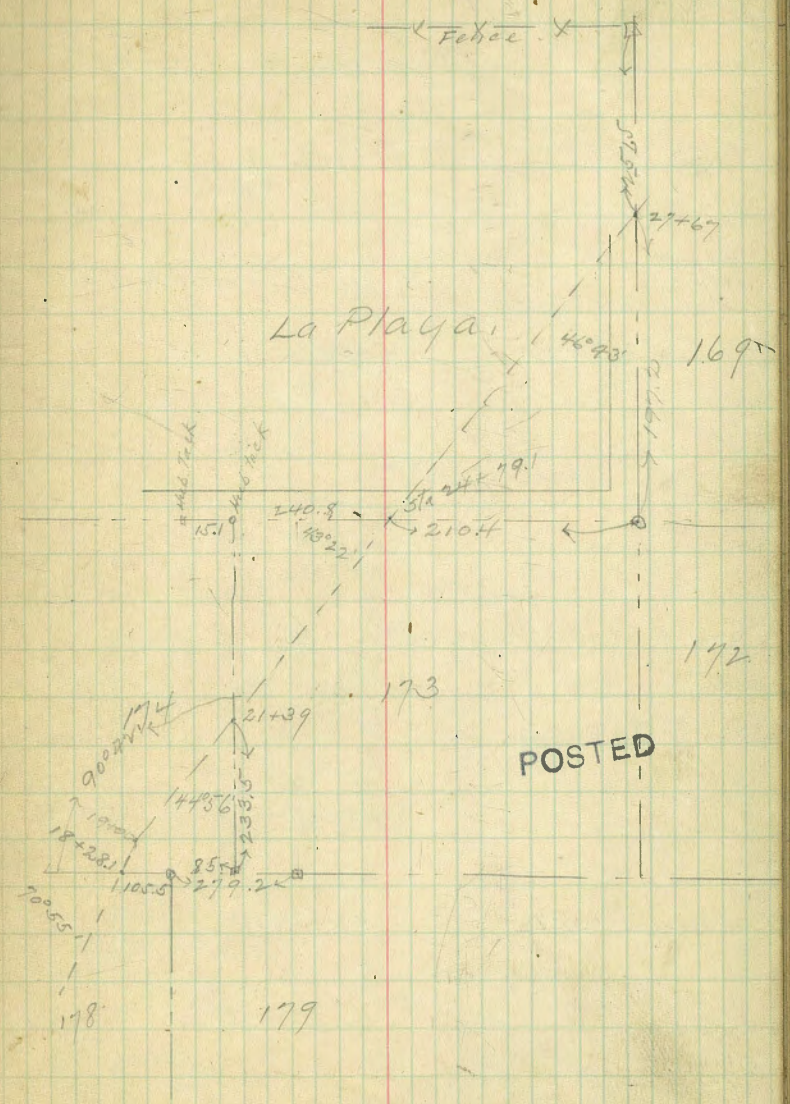
Inter sline Landscape St with E Hemetite St.

23			
22			
+75 △			inter. Pueb line
+39			
21			
20			
19 △	27°22' R.	S 45°20' W.	inter. Pueb line
+28.1			
18			
17			
16			
15			
14			
13			
12			
11+50 △	17°36' L	S 18°0' W.	
+50 △	39°0' L.	S 25°15' W.	
27			
+60 △	20°0' L.	S 64°15' W.	
26			
25			
+45 △	45°0 R.	S 84°15' W.	
24			
+40 △	20°30 R.	S 39°15' W.	
23			
+90 △			
22			

Void

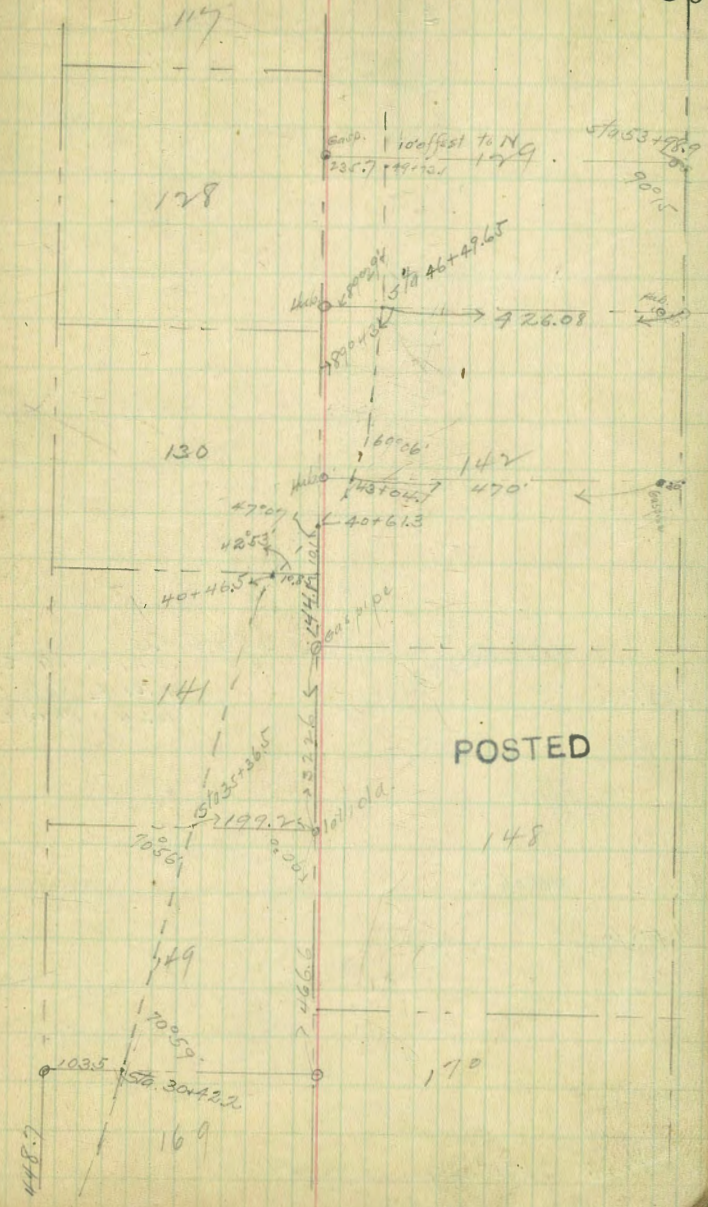
750

see page 61



43 04 1
42 75
29

44				
43				
+75 △	26° 0' L.		S 19° 45' W.	
42				
41		285		
+46.5				Inter. Pueb Cor
40				
+90 △	28° 0' R.		S 45° 45' W.	
39				
38 △				
37				
36				
35		1190		
34				
33				
32				
31				
+42.2				Inter. Pueb Line
30				
29				
28+0 △	27° 35' L.		S 17° 45' W.	
+67				Inter. Pueb. Line
27				
26				
25+0 △				
+79.1				Inter. Pueb Line
24		900		



POSTED

Thoration of sides of Duke

inter Hatchs line at Sta 69+55.6

+98.9 △				silver gate gr E.
53				inter. ℄ Hatch survey
52				10.6 N. of Pt. on ℄
51				
+73.1	90°06' R			
+50 △				
49				
48				
47		450		
+49.65				
46				inter P.L.
45+0 △	21°18' L		51°30' E	
		225		

Parallel ℄ of Pueb.

= Pt. 10 N. Line center Pueb.

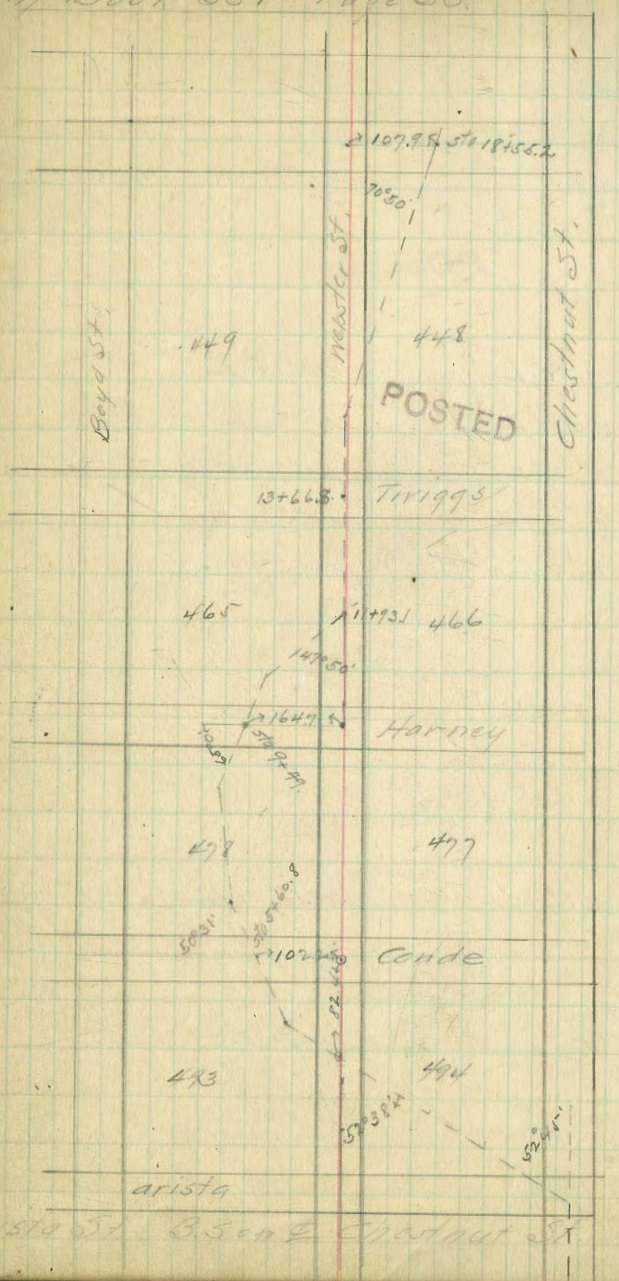
POSTED

Ft. Stockton Blvd. Transcribed from Book 351 - Page 33.

+50 △	9°0' R.	
18		200
17		see page 63 = "C" Line
+50 △	7°0' L	
16		
15		225
+25 △	17°42' R.	
14		
13		231.9
12		
+93.1 △	47°50' L	
11		193.1
10+0 △	22°46' R.	
9		1.12
+88 △	25°0' R.	
8		188
7+0 △	39°30' R.	
6		1.55
+45 △	13°12' R.	
5		
4		
3		
2		
1		
0+00	52°45' L	

see page 34 "B" Line

POSTED



495

inter. Chestnut & Arista St. B.S. on ℄ Chestnut St.

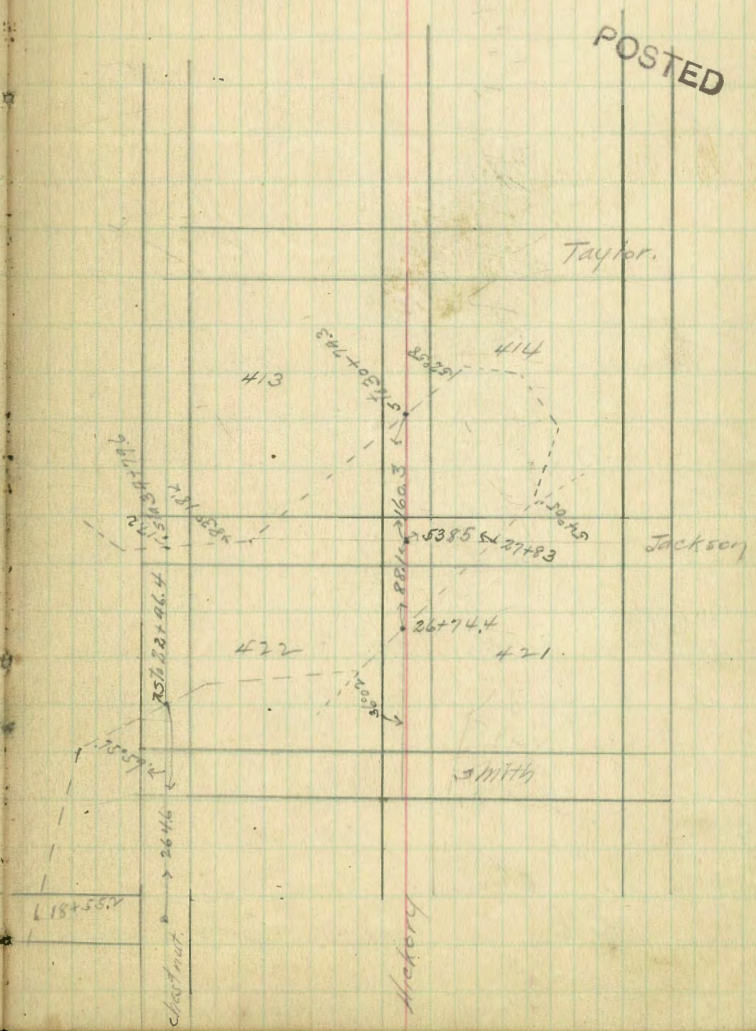
Ft. Stockton Blvd. continued from page 53 Book 351

3479.6
3340.3
39.3

+35 △				
35+0 △	30°0' R.		S44°0' W.	
34		159.7		
+40.3 △	30°0' R.		S.14°0' W.	inter ch St
33				
32				
31				
30+50 △	33°0' L.		S16°0' E	
30+0 △	40°0' L.		S17°0' W.	
+50 △	40°0' L.		S.57°0' W.	
29+0 △	40°0' L.		N83°0' W.	
+30 △	10°0' L.		N43°0' W.	
28				
27		225		
+05 △	17°36' L.		N.33° W.	
26				
25		230		
24				
+75 △	22°30' L		N.15°30' W.	
23				
22		210		
+65 △	17°44' R.		N7°0' E.	
21		115		
20+50 △	38°30' R.		N10°40' W.	
20		200		
19				

POSTED

POSTED



F. Stockton 3rd "B" line

157.5 = 5+45 old Line

5

4

3

2

1

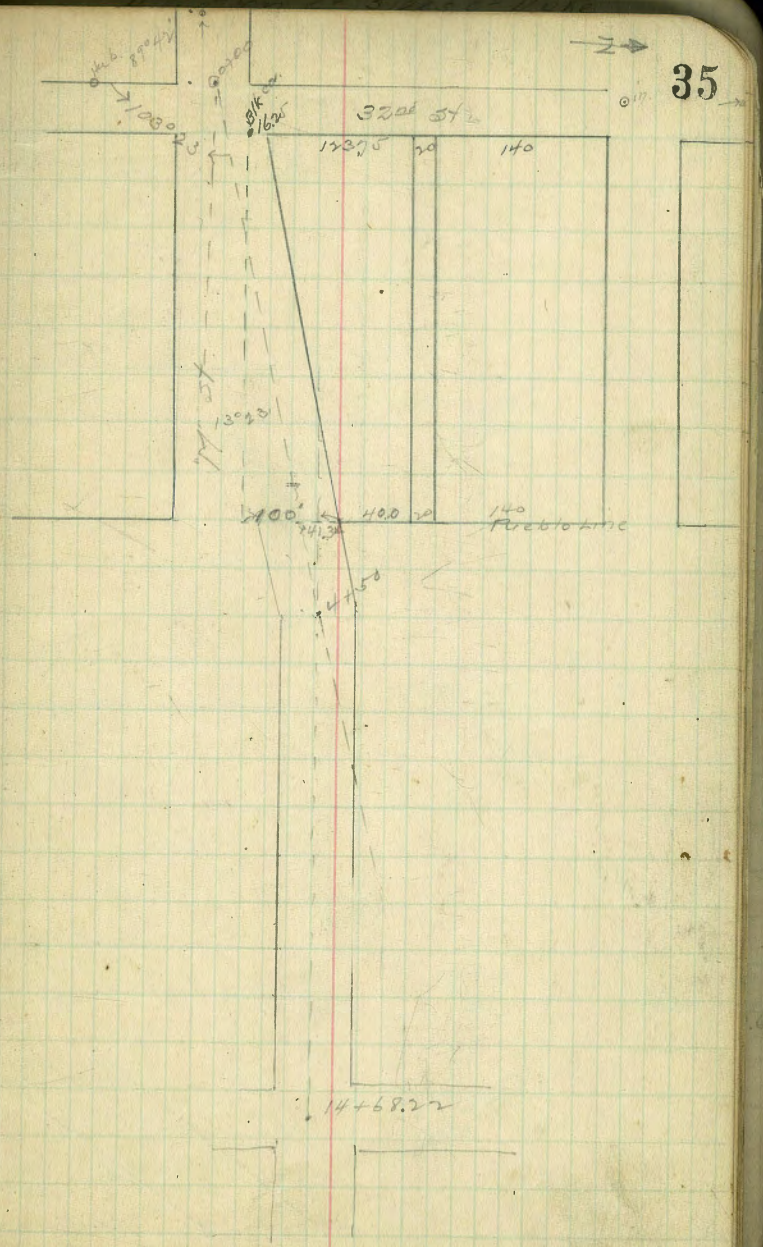
0+00 52°35' L. inter.

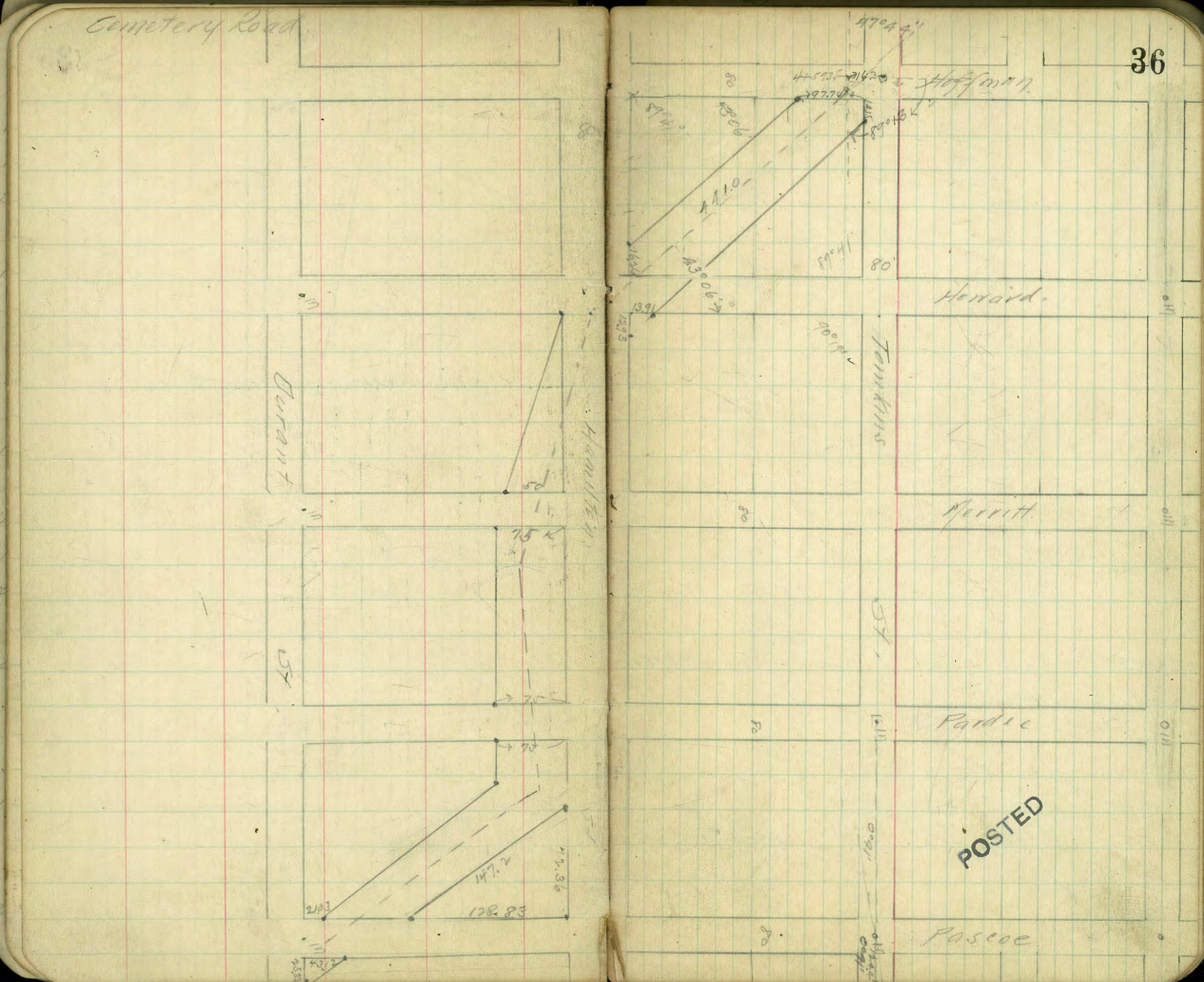
Cemetery Blvd.

46

0400

inter. E. M. St and
W. Line 32nd St.
B.S. E. M. St.




Cemetery Road
Durant St.
Hamilton
Tomkins St.
Hoffman
Howard.
Merritt
Pardee
Pascoe
111.0
147.2
128.83
80
75
50
POSTED

41
1875
5992

4+59.75 inter. ℄ Hoffmanst.

+41 Δ 47+44L

4

3

2

+55 center Bridge

1

0+00

POSTED

Saratoga S. N

Co

Brighton 10.0.

Saratoga 6.8

40 Newport.

Pt. Loma Blvd.

1470.17 = 14+27.3 old line

R. 325.0
Δ 29°00'
L.Chd. 162.75
L.C. 164.43
P.C. Curve to R.

10+05.74

110.50

8+95.24

P.T.
R. 200.0
T. 74.18
L.C. 142.84
P.C. curve to R
Δ 40°42'

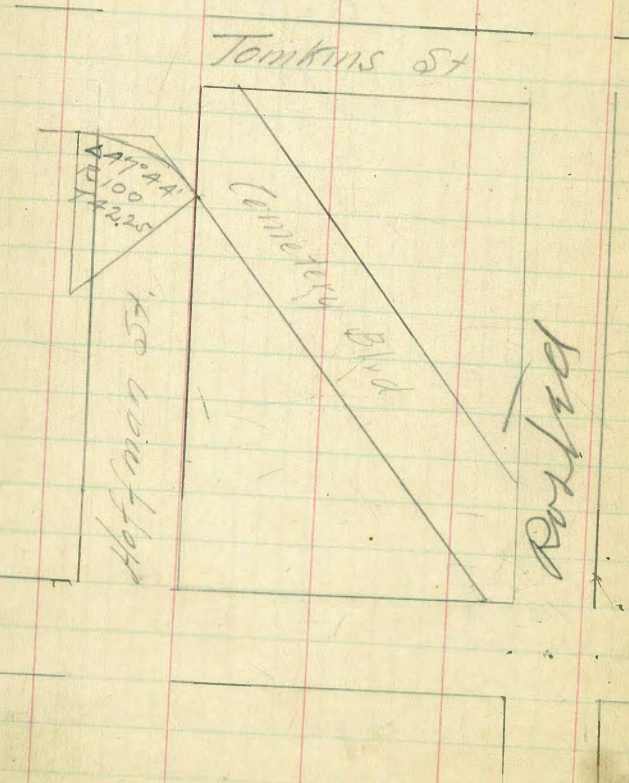
9+53.2

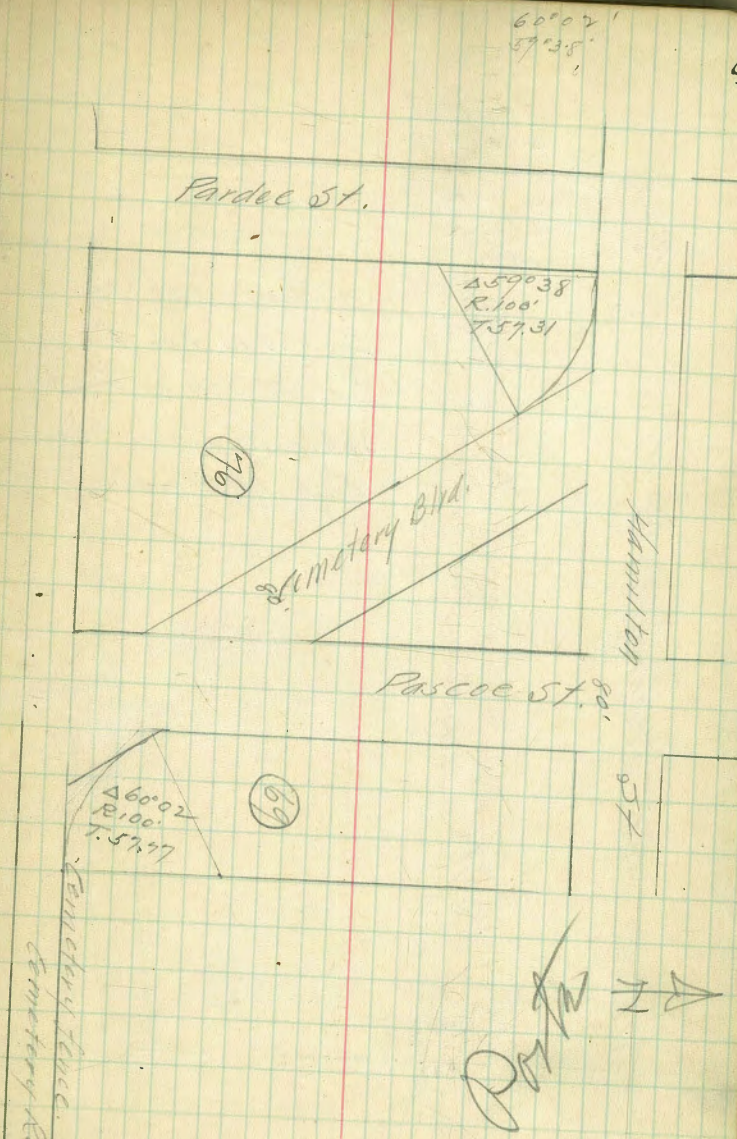
0+00

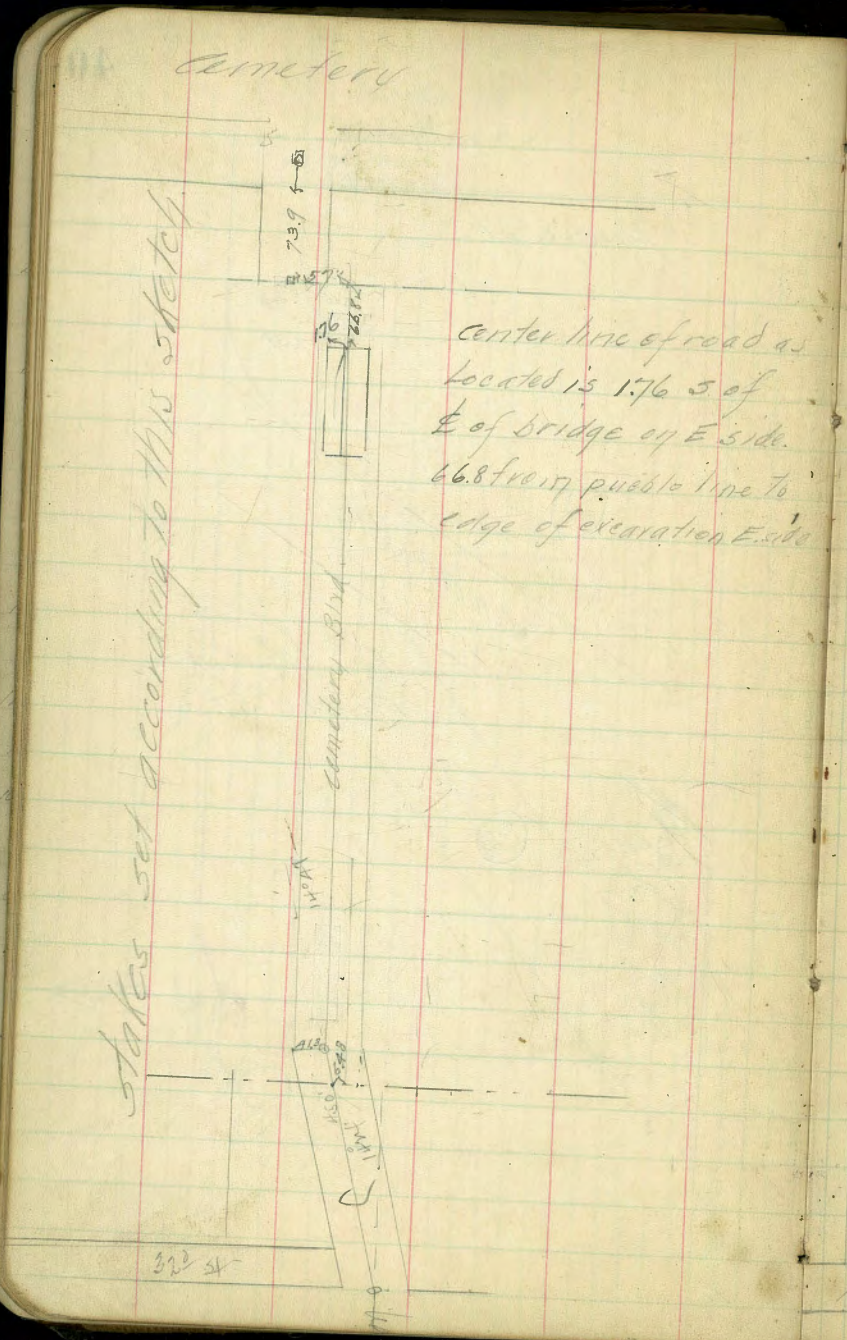
= N. Line Ocean Beach Exten. & Abbott St.
Back Sight. & Abbott St.

Cemetery Blvd.

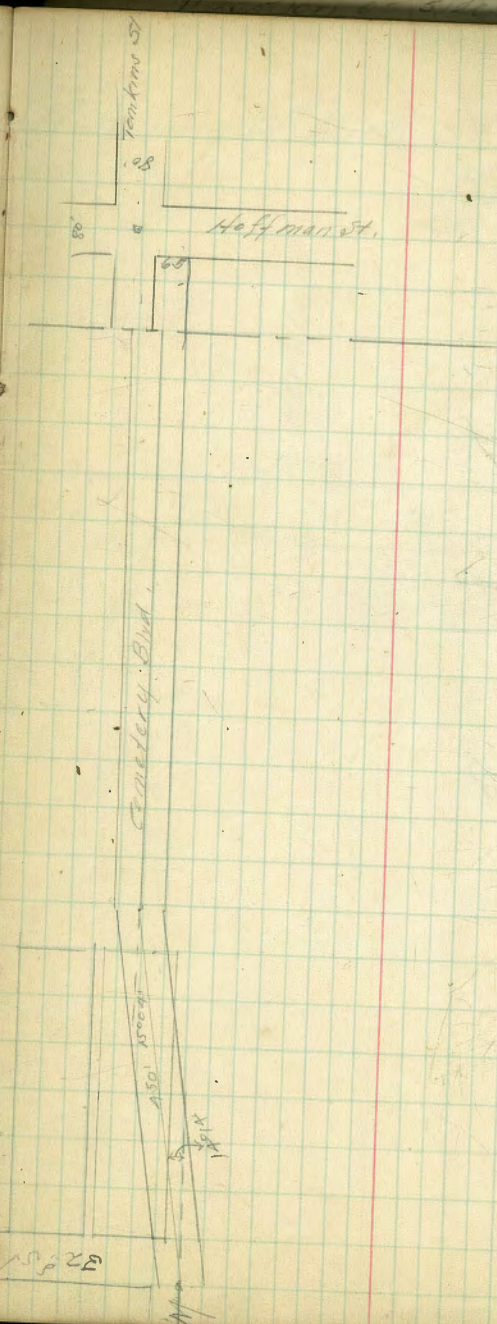
12-21-08
Lockwood
Evans
Brooks.



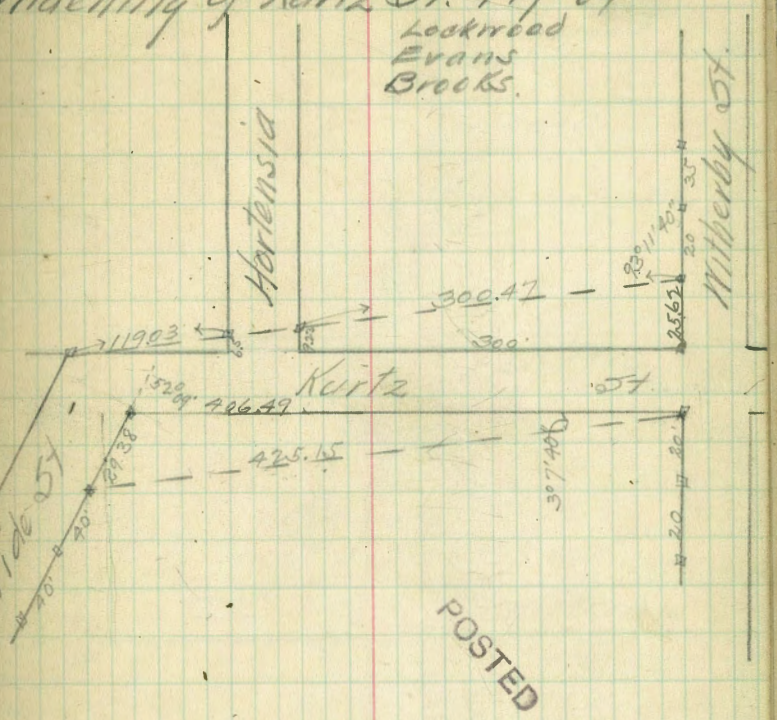




Center line of road as located is 1.76 S of ℄ of bridge on E side. 66.8 from pueblo line to edge of excavation E side

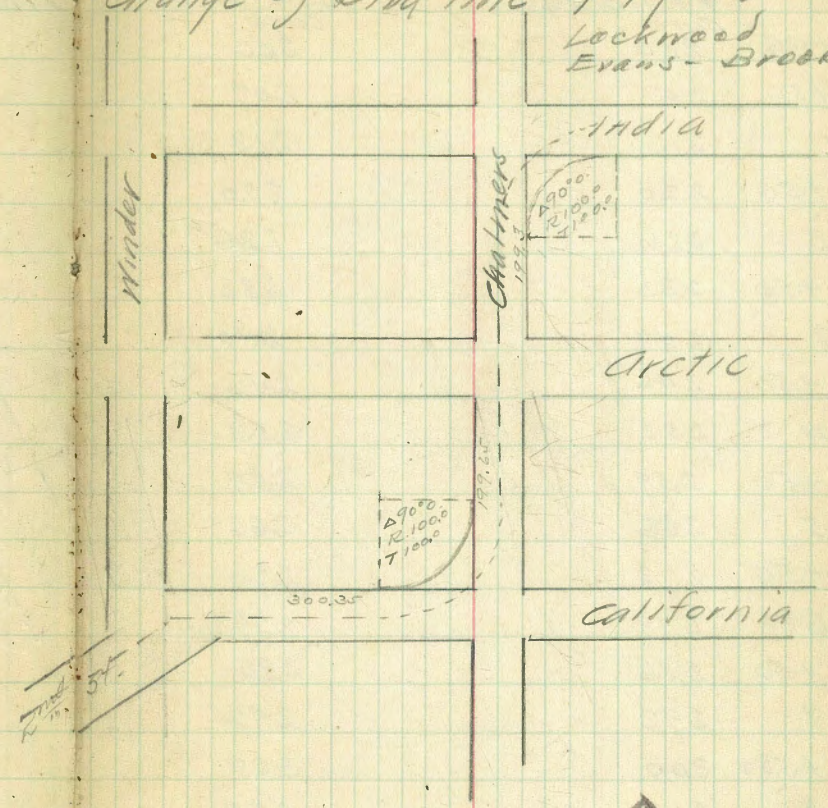


Widening of Kurtz St. 1-19-09



Change of Blvd line 1-19-08

Lockwood
Evans - Brooks.



POSTED

Grades on Pt. Loma Blvd. from Ocean Beach Extension - North.

	Westside curb	Eastside curb
0+00	2.00	2.00
+50	2.07	2.07
1	2.13	2.13
+50	2.20	2.20
2	2.26	2.26
+50	2.33	2.33
3	2.40	2.40
+50	2.46	2.46
4	2.53	2.53
+50	2.59	2.59
5	2.66	2.66
+50	2.73	2.73
6	2.79	2.79
+50	2.86	2.86
7	2.92	2.92
+532	3.00	3.00
8	2.66	2.77
+50	2.30	2.53
9	1.94	2.29
+50	1.58	2.05
10	1.22	1.81
+50	0.86	1.57
11	0.50	1.33
+50	0.14	1.09

	Westside curb	Eastside curb
11+70.21	0.00	1.00
12	0.21	1.21
+50	0.57	1.57
13	0.93	1.93
+50	1.29	2.29
14	1.65	2.65
+50	2.01	3.01
15	2.37	3.37
+50	2.73	3.73
16	3.09	4.09
+50	3.45	4.45
17	3.81	4.81
+50	4.17	5.17
18	4.53	5.53
+50	4.89	5.89
+63.75	5.00	6.00

Ft Stockton Blvd. center of Webster

Feb 16/10 { Childs, Barber, Taylor

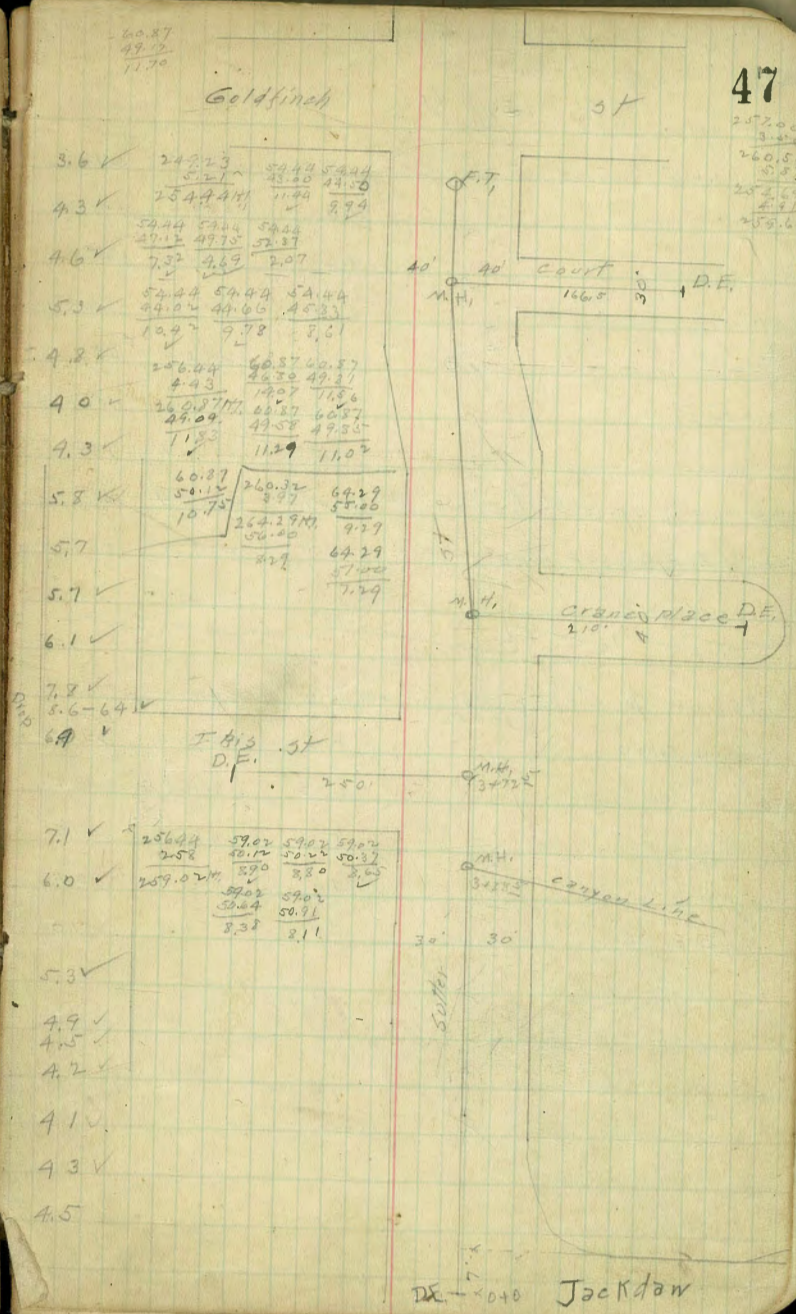
+76 center Arista + Webster
+50
8+00
+50
7+00
+84
+68
+56
+50
6+00
+50
+26.15 center Conde
5+00
+50
4+00
+50
3+00
+50
2+00
+76.57 center of Harney
+50
1+00
+75
+50
11+93.1 = 0+00 "F" Line.

Feb 16/10 { Childs
Barber
Taylor

+26.1 center aisle &
Chestnut
12+00
+50
11+00
+50
10+00
+50
9+00

Sewer ℄ Sutter St from D.E. Jackdaw St
To F.T. 30' W. of W.L. Goldfinch

B.M. N.E. Brass plg Goldfinch & Sutter				257.00	
~~B.M. 4.64~~ B.M. 4.64	261.64				
0+0 = D.E		1.0	260.6	257.0	3.6 ✓
0+50		1.32	260.32	256.00	4.3 ✓
1+0 break		2.0	259.6	255.00	4.6 ✓
+50		3.9	257.7	252.37	5.3 ✓
2+0		7.07	254.57	249.75	4.8 ✓
+50		10.5	251.1	247.12	4.0 ✓
3+0		12.8	248.8	244.50	4.3 ✓
3+28.5 M.H. Int. Canyon Line		Vert. 12.90 12.80	248.8	243.00	5.8 ✓
+50		12.41	249.23	243.50	5.7
3+72.5 M.H. ℄ Ibis St		11.9	249.7	244.02	5.7 ✓
4+0		10.8	250.8	244.66	6.1 ✓
+50	260.56	8.0	253.6	245.83	7.8 ✓
4+92 M.H. ℄ Crane Place Drop 2.2		5.2	255.4	246.80	8.6-64 ✓
5+0		4.7	255.9	247.04	6.9 ✓
~~5+50~~		~~[illegible]~~	~~[illegible]~~		
5+50		4.12	256.44	249.31	7.1 ✓
6+0		5.0	255.6	249.58	6.0 ✓
		~~[illegible]~~		~~249.85~~	
+50		5.5	255.1	249.85	5.3 ✓
7+0		5.6	255.00	250.12	4.9 ✓
7+19 = M.H. ℄ Court		5.87	254.69	250.22	4.5 ✓
7+47	261.64 M.H.	7.0	254.6	250.37	4.2 ✓
7+97		6.9	254.7	250.64	4.1 ✓
8+47		6.4	255.2	250.91	4.3 ✓
8+62 F.T. 30' W. of Goldfinch		6.1	255.5	251.00	4.5



Sewer Line running S. from ℄ Sutter st for 240'
Located 89' E of E.L. Crane Place

261.64

0+0 = M.H. 6+06 on Sutter	Drop	5.60	256.0	251.00	5.00
+50		5.28	256.36	251.41	5.0
1+0		4.40	257.24	251.83	5.4
+50		4.1	257.5	252.24	5.3
2+0		5.2	256.4	252.66	3.7
2+40 = D.E.		4.54	257.10	253.00	4.1

Void

Sewer ℄ of Court E of Crane Place from:
M.H. Sutter st for 166.5 S. to D.E.
259.60 H.L.

		~~4.9~~	~~254.7~~		
0+0 = M.H.		4.9	254.7	250.22	4.5 ✓
+50		5.12	254.48	250.45	4.0 ✓
1+0		5.5	254.1	250.69	3.4 ✓
1+50		5.9	253.7	250.92	2.8 ✓
1+66.5 = D.E.		6.3	253.3	251.00	2.3 ✓

Elevation of sides of Duke

240) 2000) 83
1920
800
720

47
82

48½

259.02 H.L.

59.02	59.02	59.02	59.02
50.45	50.69	50.92	51.00
8.57 ✓	8.33 ✓	8.10	8.02

Elevation of sides of Dyke

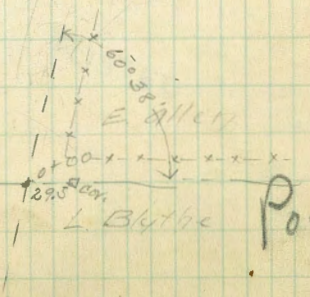
POSTED

Escondido Blvd. Commence at line bet E. Allen & L. Blythe

20+85 △	2°36' R.		N18°30'E
13+65 △	16°16' L.		N.16°0'E.
11+85 △			N 32°15'E
7+00 △	9°33' R.		N32°15'E
3+35 △	7°48' R.	Void	N22°45'E
0+00 △	60°38' L		N15°0'E

From pueblo line

POSTED



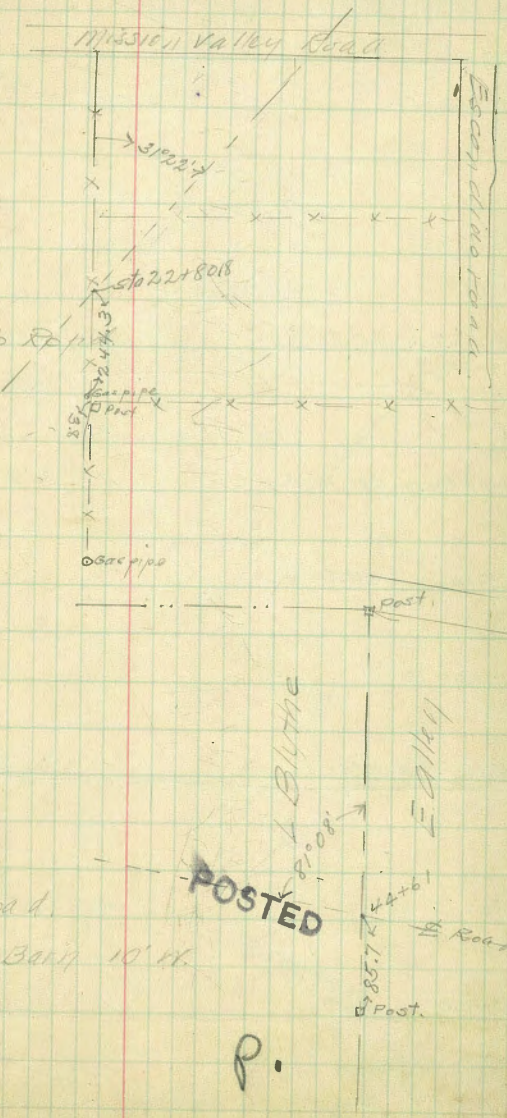
Escondido Road Commencing at Pt. on Hospital grade 250 E of Duffys House

57+45				E side Escondido Road
44+61			inter line bet. L	Blythe & E. Allen
44+198 △		N.5°30'W.		
39+75				High ground
35+20				Main channel
30+50				E. channel river
29+79.9	7°07' L	N.5°30'W.		
22+80.8				
14+05				℄ Mission Valley Road
4+00				County Poor Farm Barn 10' W.
2+73.3 △				Top hill
0+00		N.1°30'E		

Void

POSTED

8-21-08



POSTED

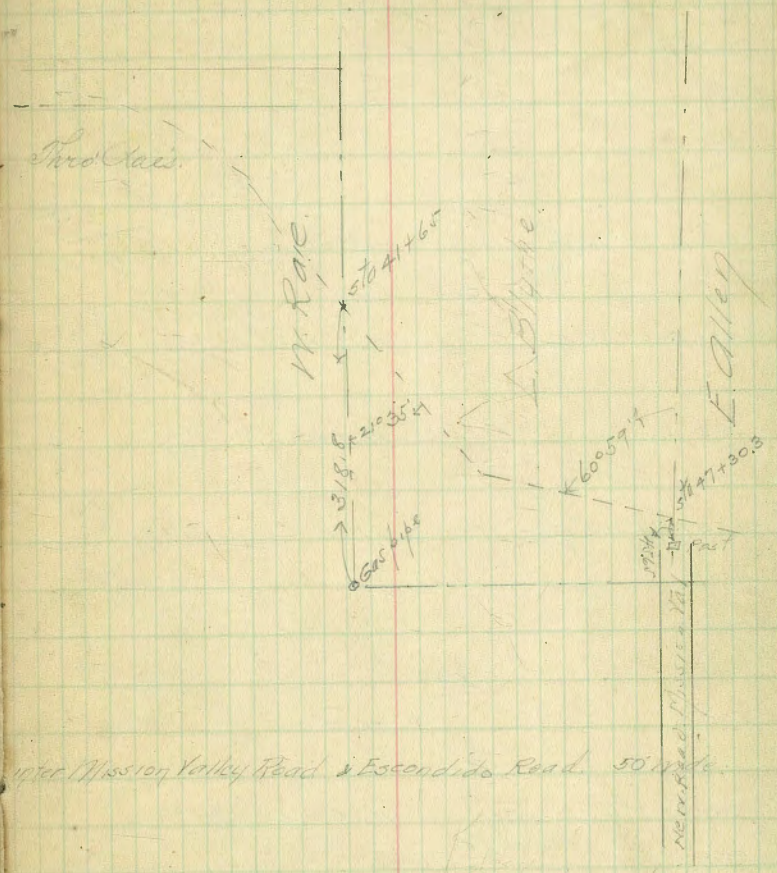
P.

45+30	24°0' L.	N14°45'E.	R. 500 T. 106.28 LC. 209.44
41+65			Inter Pueb. line
40+83.95 △		N38°45'E.	P.T. ~~504.84~~ L.C. = 504.84 T. 287.6 R. 422.4 △ 68°30' PC. curve to R.
35+79.1			
	2220.4		
13+58.7 △	20°56' L	N29°45'W.	35 shorter Poor Farm Fence
13+38.6			
41+40 △			
37+90 △	58°10' R.	N28°30' E	
37+45	~~43°31' R.~~		
27+00 △			
13+64.9 △	20°51' L	N29°45'W.	
2+70.6 △		N9°0'W.	△ 53°38' T 200' R. 395.65 L.C. 370.29
0+00		N9°0'W.	

Void

3+70.3 = 2+00.010 Line
1+65 = Poor Farm Fence
0+00 = P.C. Curve

Staked line on side road thro' Murrays
9-10-08



Inter Mission Valley Road & Escondido Road 50' wide

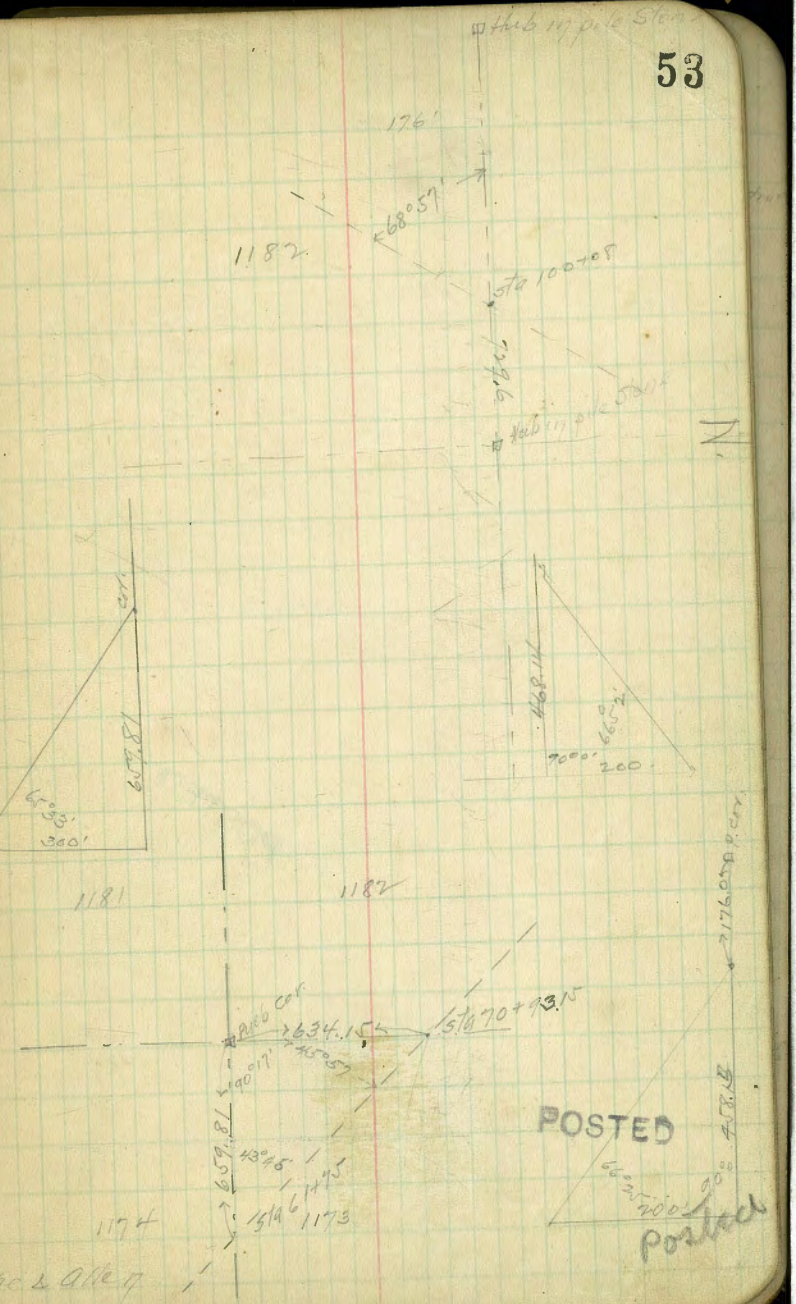
c. Hospital grade

angle to Hospital grade = 58°16'

POSTED
P.

101+00					
100+08					
97+35 △					
		1700			
96+00 △					
89+00 △	21°00' R.		N8°00' E.	N9°07' E.	R. 500 T 92.7 L.C. 183.76
		300			
86+00 △	23°38' L		N 13°00' W.	N 11°58' W.	R. 500. T. 104.6 L.C. 206.24
82+09 △		550	N 10°45' E.		
80+50 △	8°43' L		N 10°45' E	N 11°40' E	
79+80 △			N 20°0' E		
		870			
75+00 △			N 30°0' E		
72+30 △	7°47' L		N 20°0' E	N 20°23' E	
70+93.15					inter. pub line
63+50		2115			C. Present road.
62+00 △					
61+75					inter. Pub. Line
51+15 △	13°25' R.		N 28°0' E	N 28°10' E	R. 1000 T. 117.62 L.C. 234.14
47+30.3		585			int. line bet L Blyth & alley

POSTED



"C" Escondido Blvd. Bet. Pueblo Lots 1105 & 1106
Sketch next page

35+39.1 = 40+83.95 main line				
34+86	23°0' L.			
		331.0		
31+55 △	8°0' L.		N61°45' E	
		438.47		
27+16.53			N69°45' E	P.T.
				L.C. 173.45
				T 117.92
				Δ 99°24
25+43.08				P.C.
26+61 =	99°24' R			P.I.
26+12.5				
22+12.5				
19+53.7 △			N29°45' W	
16+24				
15+74.5				
12+94				
12+50				
11+13				
11+00 △				
9+64.2				
8+71.5 △			N29°30' W	
0+00			N29°30' W	

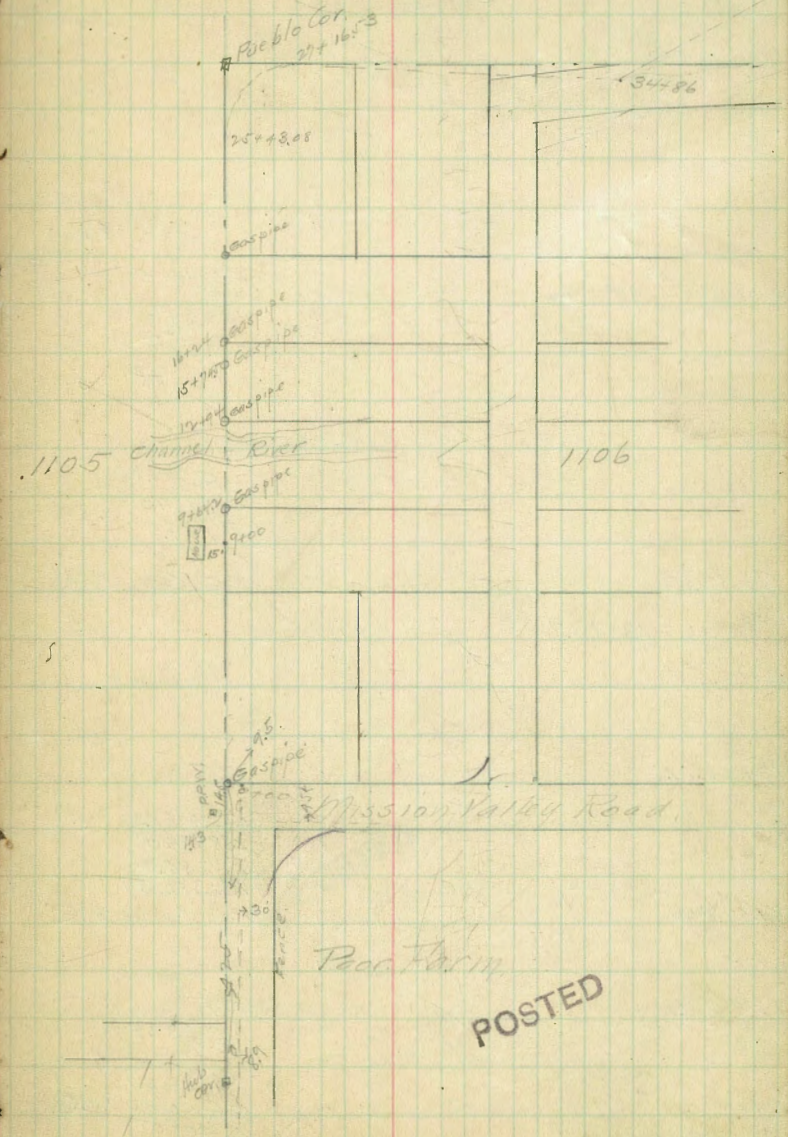
Pueblo Cor.
Hub P.R.W.
Gas pipe
Gas pipe
Gas pipe
Gas pipe
N. bank river
S. bank river 5' above Channel

Gas pipe.

N. Line Mission Valley Road. Gas pipe

POSTED

Line between 1105 and 1106



Δ 90°20'

Escondido Road Commencing at pt. 125 S. of House at Poor Farm

17+13.89	90°0' L.	External 40' 90° R. 9656 L.C. 151.67
12+51.49		P.T. L.C. 298.85 Δ 89°40 T. 189.9' R. 191.0'
9+52.64		P.C. Cur to R.
16+87.13 = 13+58.7		
16+73.5		
13+06.1 Δ		P.T. L.C. 448.33 Δ 89°40' T. 284.9 R. 286.57
8+57.74 Δ		P.C. Curve to R.
7		
2+39.3 Δ		P.T. L.C. 239.27 T. 124.76 R. 342.78
0+00 Δ		P.C. Curve to R. Δ 40°0'

Ties = 40' to N & 30' to S.

Ties = 50' to W & 30 to E. of ℄

Inter ℄ Road thru 1106.

POSTED

Commence Red dirt

Ties 30' E & 30'-75' W

Pt. 125' S. of House at Poor farm.

Ties - 30' E & 30 - 45' W.

Dist from curve to Fence = 18.5

Dist from ℄ to gum trees = 15'

Hospital Grade

		226.9	
16+63.8	6°04'R.		S 3°15'W.
		123.7	
15+40.1	13°58'L		S 3°45'E
		164.0	
* 13+76.1 △	59°14'R.		S 10°15'W.
		74.0	
13+02.1 △	43°28'R.		S 49°0'E
		171.8	
11+30.3	70°0'L		N 87°30'E
		80'	
10+50.3 △ 10+53.3 =	71°17'L		S 22°30'E
		165.3	
8+88 △	71°52'R.		
		184	
7+04 △	19°30'R.		S 23°0'E
		85.0	
6+19 △	17°34'L		S 42°30'E
		391.6	
2+27.42 △	5°26'L		S 25°00'E
		158.3	
0+69.12 △	6°01' R		S 19°30'E
		69.12	
0+00 △	79°31' R	from Pt. on Line to E.	S 25°30'E
	100°21'L	" Pt. on Line to W.	

1376.1
164
15401
1237.8
1363.
2269
18907

69.12
158.3
227.0
391.6
619.0
85
704.00
192.4
896.4
157
1053.4

704
192.4
896.4
157
1053.4

= N.E. Cor. Lot 34 Fleishers Addn.

27+71.7			
		129.8	
26+41.9 Δ	52°0' R.		
		75.8	
25+66.1 Δ	38°0' R.		
		47.0	
25+19.1 Δ	43°0' R.		
		40'	
24+79.1 Δ	40°0' R.		
		150.4	
23+28.7 Δ	83°0' L		
		135.5	
21+93.2 Δ	84°01' L		S.15°15 E
		258.5	
19+34.7 Δ	46°30' R.		S.69°0 W.
	44.0		
18+90.7 Δ	19°45' R.		S.23°0 W.

2193.2
135.5
2328.7
150.4
2479.1
40
2519.1
47
2566.1
75.8
2641.9
129.8
2671.7

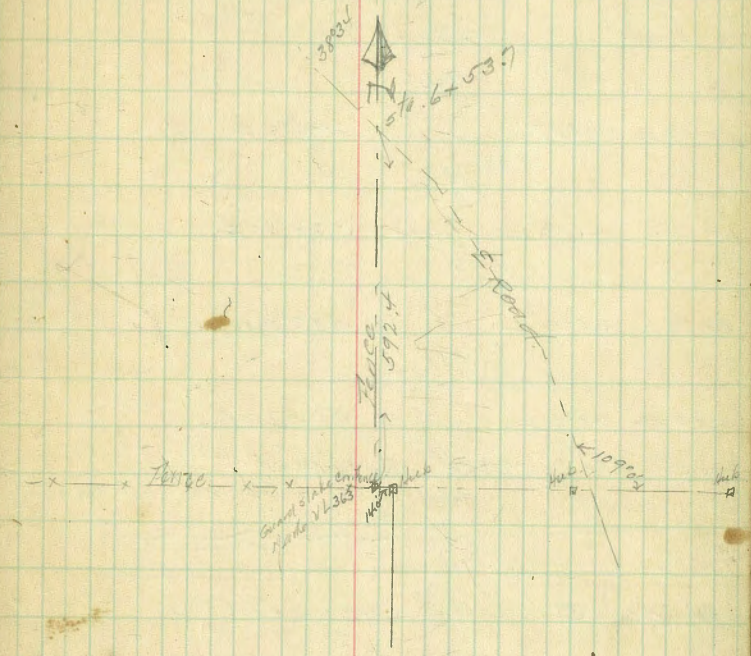
84
69
15

Hospital Grade

Postia

19+97.65 △	=0+00 Escondido Blvd.		
	73.35		
19+24.30 △	6°41'		
15+25 △	9°22' L	N63°0' W.	
6+.537			Inter. Pueblo line
5+50 △	16°20' L.	N53°30' W.	
1+00 △	3°14' L.	N37°15' W.	
0+00 △	109°0' L.	N34°0' W.	

Elevation of sides of Duke



P

Pt at ℄ Road. N. end Fleishers Addn.
Foresight = pt. on N Line, East of ℄ Road

Hospital Grade.

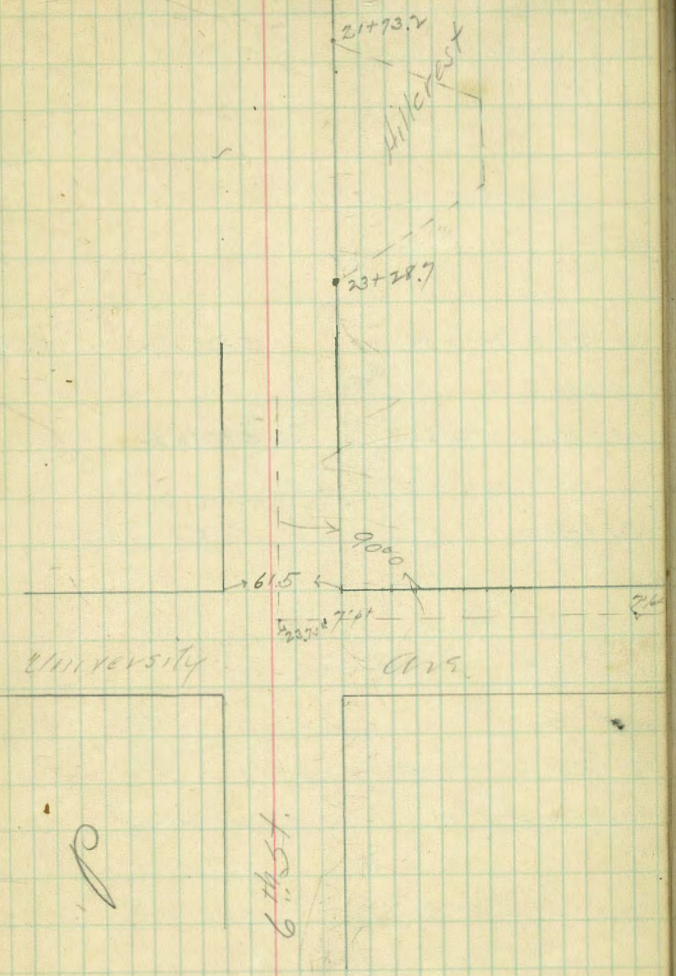
2+44.5	= 23+28.7		
	84.5		
1+60 △	75°46' L.		N76°0' E
1+10 △	56°0' L.		S28°30' E
0+70 △	35°0' L		S27°30' W.
0+00 △	78°0' L.		S67°30' W.

0+00 = Sta 21+93.2 ℄ of road.
sight on Sta 23+28.7 = ℄ line 6th St.

6+65.5 △ = S. line Fleishers Addn.

4+20 △	30°04' R.		N20°0' E
3+00 △	6°30' L		N10°15' W.
1+00 △	11°50' R		N3°30' W.
0+00 △	90°0' L.		

Posted



Prop. line Univ. Ave.

"A" Line Pt. Loma Blvd.

2-29-09

			Needle	
28+00 △	30°0' R.		S 28°30' W.	
23+15 △	34°0' L.		S 1°30' E	
19+48.5 △	34°0' R.		S 32°30' W.	S.E. Cor. P.L. 169
		448.7		
14+99.8 △	89°55 L.		S 1°30' E.	= N.E. Cor. P.L. 169
		115'		
13+84.8 △			S 88°45' W.	P.T.
				Tang = 91.85
				Rad. 200.0
13+04.45	49°20' R.			= P.I. 49°20'
				L.C. 172.17
12+12.6 △				= P.C.
13+23.5 = 25+00 old line				
13+23.5 △	6°05' R.		S 45°30' W.	
		573.5		
7+50 △	16°09' R.		S 39°30' W.	
1+50 △		750		
0+00	12°30 L		S 23° W	

11+50 = 0+00 "A" Line

Hematite St.

1948.5
1499.8
448.7

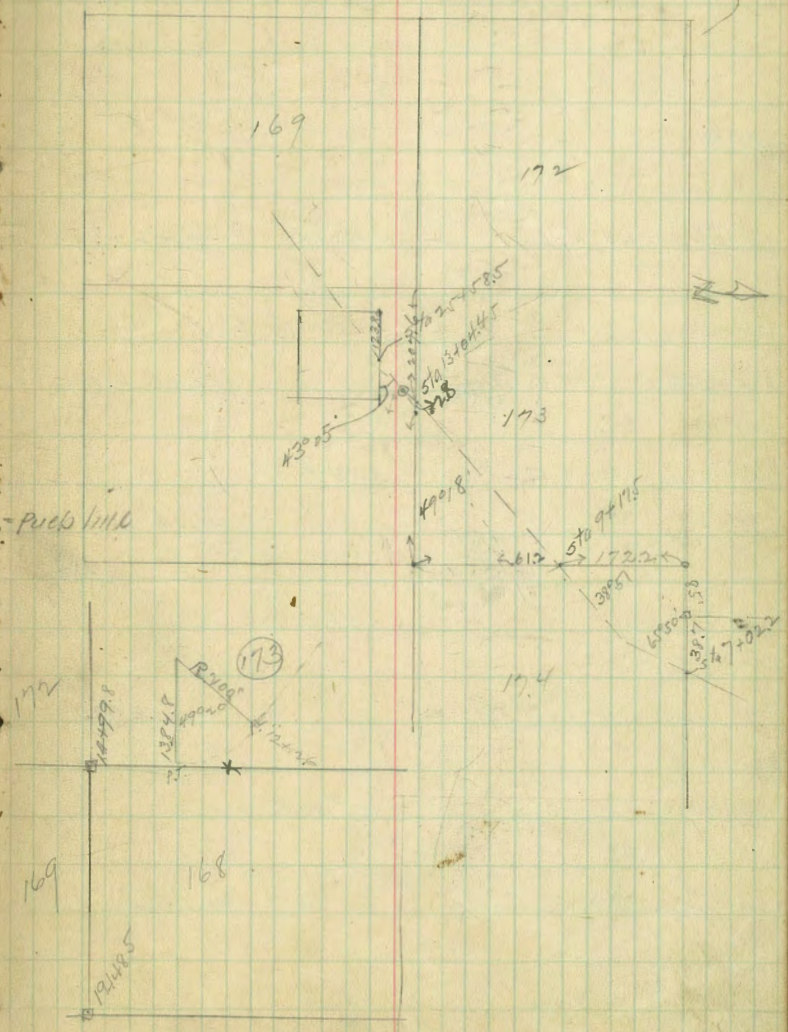
2104
28
2076

1499.8
467

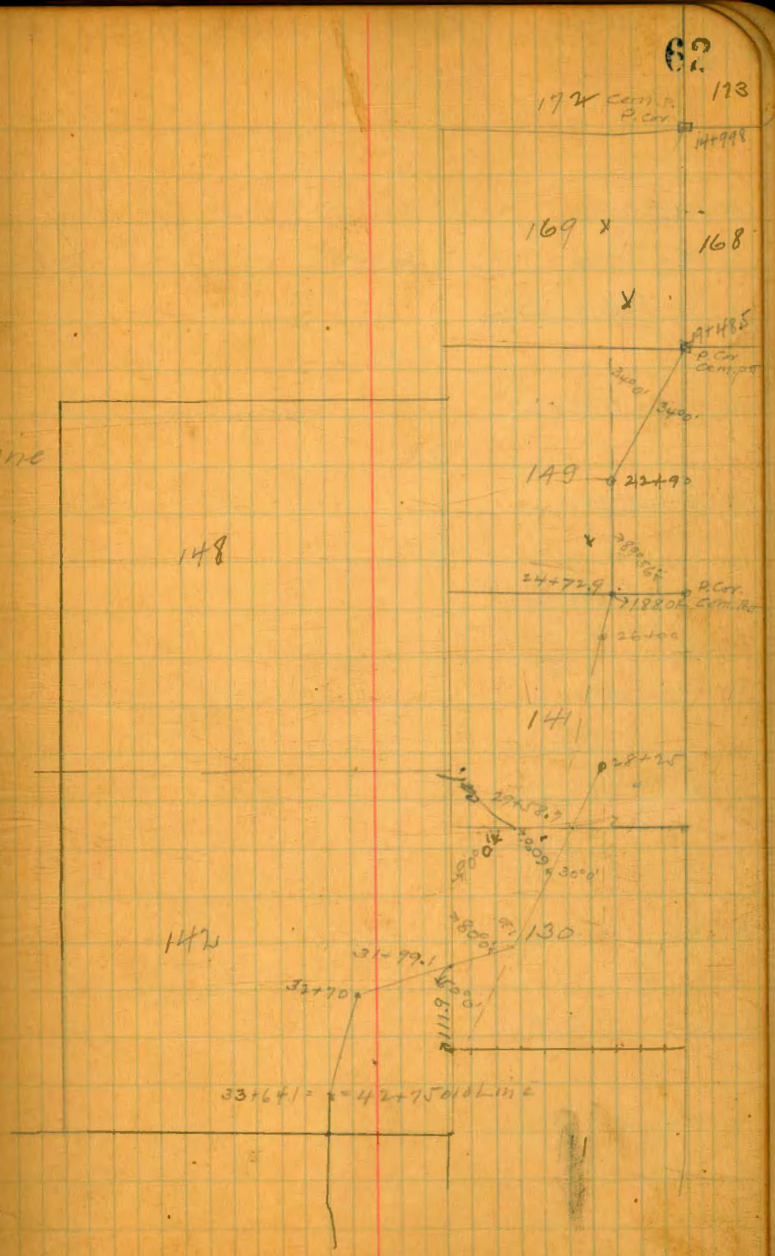
15 = 26.82
12 = 21.46

49.18
38.51
88.09

233.5
61.2
172.3



Sta	Angle	Dist	Needle	
45+00				
33+64.1	= 48°15' L		S20°0' W	= Sta 42+75 old Line
		94!		
32+70 △	10°38' L		S68°0' W	
31+99.1 =		270'		Pueb Line
30+60 △	50°0' R		S78°30' W	
29+58.7		235'		Pueb line
28+25 △	30°0' R.		S28°30' W	
27+50 △		226'		Pt on line
26+00 △	9°0' L		S1°30' E	
		127.1		
24+72.9 △	9°0' R.		S7°30' W	Pueb Line
		182.9		
22+90 △	34°0' L		S1°30' E	
		341.6		



"C" Line Fort Stockton Blvd. 86.0

20+78	=	=33+40.3 old Line		end
17+87.7	=	sta 30+50 " "		
16+35 △	61°21 L.			
		700		
15+65 △	30°0' L.		15+65	straight for dyke road.
		135		
14+30 △	33°0' L.			
		125		
13+05 △	30°0' L.			
12+00 △	16°40' L.			
11+00 △	25°0' L.			
4+00 △	36°0' R.			
3+00 △	15°30' R.			
1+50 △	5°0' R.			
0+00	4°0' L.			

16+50 = 0+00 "C" Line Backsight sta 14+25
From page 32.

1562.1
225
13371

1650
1425
225

15

1787.7
1635
152.7
108
44.7

2078
1635
443

1892.1
443
23,351

1562.1
125
1687.1
135
1822.1

N. Stockton Blvd. "D" Line

2+50

0+00

15+65 = 0+00 "D" Line.

Eline Taylor 57.

Canon Road. 46 wide

= W. Line Rosecrans,

	North		South	
	Cut.		Cut.	Fill
0+00	0.7	2840.0 cu yds	0.7	
1	0.7		0.7	
2	1.0		1.0	
3	0.7		0.6	
4	0.4		0.6	
5	0.4		0.5	
6	fill		fill	
7	"		"	
8	"		8.0	
9	"		2.8	
10	"		0.0	
11	1.0			2.0
12	4.0			2.0
13	3.2			1.0
14	5.1			2.0
15	8.0			4.0
16	9.0			5.0
17	8.0			5.0
18	6.5			3.0
19	3.0			2.0
20	4.0			3.0
21	4.1			1.0
22	3.2			0.0
23	3.0			0.0

Canon Road

	North side		South side	
	fill	Cut	Cut	fill
24		3.4		1.0
25		1.6		0.0
26		2.9		1.0
27		2.5		1.0
28		4.6		2.0
29		3.4		1.0
30		0.0		1.0
31		1.0		0.0
32		1.2		1.0
33		0.0		0.0
34	F. 1.0	West	East	1.0
35	F 1.0		0.4	
36	2.0		0.3	
37		1.2	0.5	
38		2.5	0.3	
39		2.2	1.0	
40		0.0	0.8	
41		3.4	0.8	
42		1.0	0.5	
43		1.0	0.0	
44		0.6	0.6	
45		0.6	0.0	
46		0.0	0.0	
47		0.0		1.0

Aver. cut = 3.9

Cut = 4762.4 cu yds.

Aver North Cut 3.14'

Cut 1266.

	cut	fill	cut	fill
	West		East	
48	0.0			3.0
49	7.0			6.0
50	16.5			6.0
51	1.0			5.0
52	9.0			9.0
53	11.0			7.0
54	5.0			9.0
55	6.0			11.0
56	3.8			4.0
57	5.0			2.0
58	5.0	N end curve 180' Rd.		3.0
59+50	2.0	W. " "	" 1.0	
	North		South	
60	1.7		1.0	
61	1.1		0.8	
62	0.8		0.8	
63	0.9		0.8	
64	0.9		0.7	
65	0.9		0.3	
66	0.8		0.0	
66+44	0.0	Pt Loma Ave.	0.0	

Av. width cut = 23.2
" " Fill 21.8
Cut 2707 cu yds.

Cut 385 cu yds

Boulevard on Ocean Front.
There was a ditch 4' deep & 6' wide on the ocean side of blvd. which was excavated and filled with dirt from Newport ave.

see next page

Levels on Ocean Blvd.

	1.39	13.66		Bacon + Newport 12.27 B.M.	
T.P.	3.00	10.78	5.88	7.78	
		0+00			
center	25		4.0	6.8	
W.			4.5	6.3	
W. bottstope			5.7	5.1	
E "	" 25		6.2	4.6	
		1+00			
22' E.			7.5	3.3	
21' E. x	21.5		4.9	5.9	2.40 } 2.73
center			4.3	6.5	3.0 } 2.13
20' W. x	20.5		6.0	4.8	1.25 }
21 W.			7.0	3.8	
		2+00			
17' W.			7.4	3.4	
16 "	16.5		6.1	4.7	
C.	33		4.5	6.3	
17' E.			5.6	5.2	
18 "	17.5		7.0	3.8	
		3+00			
18' E			7.1	3.7	
17 "	17.5 34		5.5	5.3	
C.			4.5	6.3	
17 W.			6.0	4.8	
18 W.	17.5		7.3	3.5	

		4+00		
17 W.		10.78	6.7	4.1
15 W.	16'		5.7	5.1
C			4.6	6.2
17 E	32		5.7	5.1
19 E	18'		7.8	3.0
T.P.	5.04	10.84	4.98	5.80
		5+00		
18 E			8.2	2.6 —
16 E	17' 30		5.7	5.1
C.			4.7	6.1 —
14 W.			5.7	5.1
16 W.	15'		7.3	3.5 —
		6+00		
18' W.			7.7	3.1
16 W.	17'		5.8	5.0
C.	32		4.6	6.2
16 E.			5.2	5.6
20 E.	18'		7.0	3.8
		7+00		
18' E			7.7	3.1
14 E	16'		5.7	5.1
C	29		4.7	6.1
15 W.			5.8	5.0
17 W.	16'		7.6	3.2

		8+00		
18 W.		10.84	7.5	3.3
14 "	16'		5.3	5.5
C.			4.4	6.4
16			5.3	5.5
20	18'		7.4	3.4
		8+50 = Saratoga St.		
19' E			7.4	3.4
16 "	17.5		5.2	5.6
C			4.1	6.7
29 W			5.4	5.4
66' W.	47.5	X	7.1	3.7
		9+00		
18' N			7.5	3.3
14 "	16'		4.8	6.0
C			4.1	6.7
18' S			5.1	5.7
22' S	20'		7.7	3.1
		10+00		
18' S.			7.0	3.8
16 S.	17'		4.8	6.0
C.			3.6	7.2
14 N			4.5	6.3
20 N	17'		8.0	2.8

		11+00		
20' N		10.84	8.0	2.8
13 N	16.5		3.7	7.1
C			3.0	7.8
16 S			3.7	7.1
20 S.	18'		7.3	3.5
T.P.	5.58	13.16	3.26	7.58
		12+00		
24 S			5.4	7.8
C	24'		4.5	8.7
22 N			5.5	7.7
25 N.	23	= W. Line Abbott St.	6.5	6.7
		W. Line Saratoga St.		X
32 W.			6.1	7.1
23 W.			5.3	7.9
C			4.4	8.8
11 E			4.9	8.3
13 E			6.2	7.0
		1+00		
16 E.			5.2	8.0
C			4.4	8.8
16 W.			5.4	8.8
18 W.			6.5	6.7

		2+00		
18 W.		13.16	5.7	7.5
15 W.			5.0	8.2
C			4.3	8.9
15 E			5.2	8.0
18 E.			6.0	7.2
		3+00 = 5 Line Cape May St.		
18 E			5.8	7.4
15 E			4.9	8.3
C			4.1	9.1
16 W.			4.9	8.3
18 W.			6.2	7.0
		N. Line Cape May St.		
22 W.			6.4	6.8
18 W.			4.0	9.2
C.			2.9	10.3
14 E		13.16	4.0	9.2
17 E.			5.1	8.1
T.P.	9.53	17.83	2.86	10.30
		4+00		
17 E			8.4	9.4
13 E			6.4	11.4
C			5.3	12.5
14 W.			6.4	11.4
21 W.			9.8	8.0

		2+00		
10 W.		17.83	7.6	10.2
14 W.			3.8	14.0
C.			2.8	15.0
14 E			3.7	14.1
18 E.			5.5	12.3
		3+00 = 5 Line Brighton St.		
18 E.			5.8	12.0
13 E			3.0	14.8
C.			2.2	15.6
14 W.			2.7	15.1
19 W.			6.0	11.8
		N. Line Brighton St.		
35 W.			15.0	2.8
13 W.			6.2	11.6
C.			5.3	12.5
13 E.			6.2	11.6
29 E.			14.6	3.2
		100 N.		
25 E			14.8	3.0
17 E.		17.83	10.7	7.1
C			9.6	6.2
14 W.			10.9	6.9
30 W.			15.0	2.8
	7.57	10.42	9.98	7.85

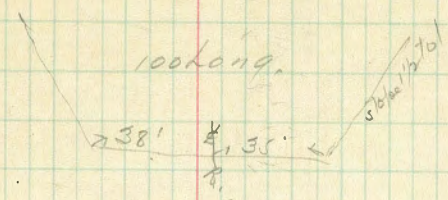
10.42

S. side Long Branch Ave.

16 W.	7.7	2.7
13 W.	6.7	3.7
C.	5.9	4.5
14 E	6.8	3.6
18 E	7.7	2.7

Center. Long Branch ave.

15 E	7.6	2.8
C.	7.0	3.4
15 W.	7.5	2.9



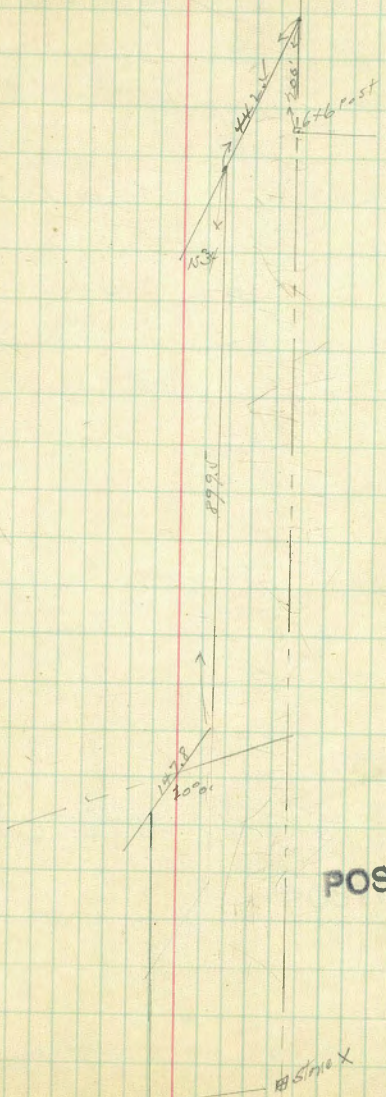
x see thro' sand dune

Survey Pipe Line PT Loma.

11-5-08

397
454
442

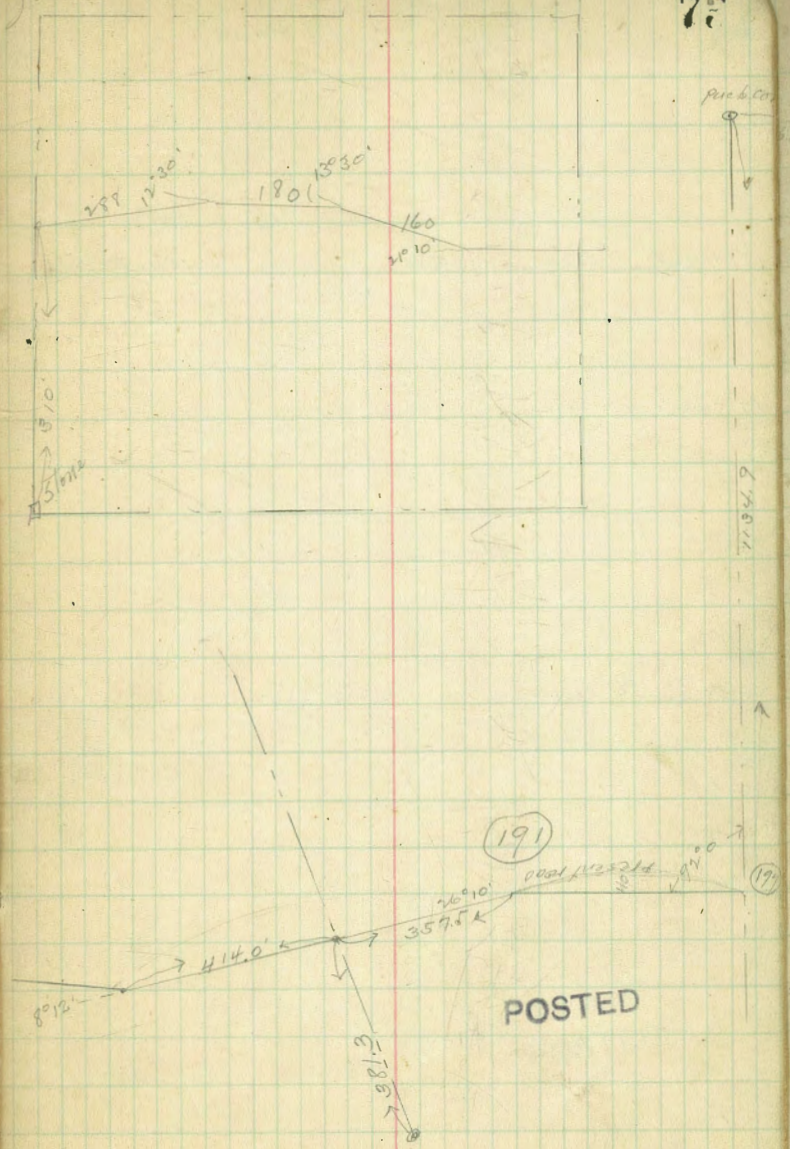
Plat ℄ of road.



POSTED

Pipe Line Pt Loma — Below = ℄ of road.
Nov. 6th 08.

		28.8		
+80 Δ	17°30' L.		S2°30' E.	S 2°48' E
18		180'		
17+0 Δ	13°30' L.		S10°0' W.	S9°12' W.
16		160		
+40 Δ	21°10 R.		S23°30' W	S23°12' W.
N				
14		370'		
13				
120 Δ	8°12' R.		S2°15' W.	S2°07' W.
12				
11				
10				
9				
8		770		
7				
6				
5				
+50 Δ	26°10' L		S6°00' E.	S6°10' E
4				
3				
2				
1				
0+00			S20°00' W.	



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Pt on P.L. bet 191 & 197 - 1134.9'

Pipe line Thro PL. 197.
Line below = ℄ of road.

15 + 46.4		109.8	= Pueb. Line
14 + 36.6	60°55'L.		
		486.6	
+50 △	50°30'L		S.82°45'W.
9			
8			
7			
6			
5			
4			
3			
2			
1			
0+00	21°22'R.		N 46°40'W. = ℄ Road 200' West of Pueb. Cor. Foresight Pueb line

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Dist to Shore line Extreme High Tide

Sta.	Dist.		Sta.	Dist.
36+15	120.0		56	35.0
37+00	140.0		57	40.0
38+00	170.0		58	35.0
39+00	195.0		58+30	50.0
40+00	165.0		59	45.0
40+40	135.0		60	50.0
41+00	135.0		61	50.0
42+00	110.0		+69.2	65.0
42+45	117.0		62	60.0
43+00	140.0	Bluff.	63	55.0
44+00	45.0		64	40.0
45+00	45.0		65	55.0
45+65	35.0		65+80	65.0
46+00	40.0		66	65.0
47+00	40.0		67	60.0
48+00	70.0		68	60.0
49+00	40.0		69	55.0
50+00	35.0		70	55.0
51+00	55.0		71	65.0
52	45.0		72	60.0
53	40.0		73	75.0
54	45.0		74	105.0
55	40.0		75	130.0
55+20.8	35.0		K785	130
			76	135.0

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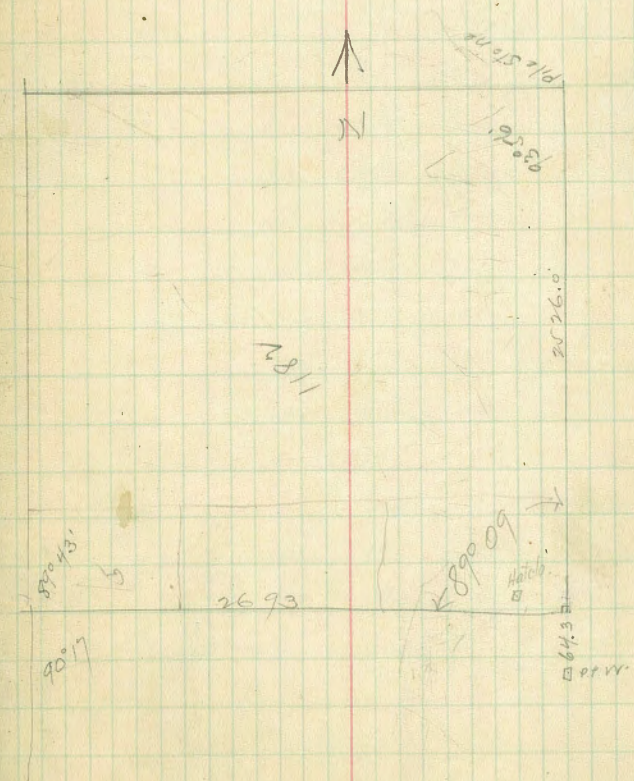
Resurvey of Ft. Stockton Blvd. from to center of Webster.

Center of Webster
+44.05 △ 39° 30' R = Sta. 6+49 "F" Line
Page 45

1+00
+50
Sta 0+00 = 5+57.5 old line

Sta 5+57.5
Feb 18/10 { Childs, Barber, Taylor



Elevation of sides of Dyke below level of dyke.

West side			East side	
			Center readings to be subtrac[ted] from side readings.	
		4.5 20	14.6	10.5
8.8	13.8	5.0 19	13.9	8.9
10.1	14.8	4.7 18	15.0	10.3
8.6	13.4	4.8 17	14.8	10.0
8.7	13.8	5.1 16	15.0	9.9
7.6	12.1	4.5 15	12.5	8.0
8.6	13.4	4.8 14	10.8	6.0
7.7	12.3	4.6 13	11.8	7.2
6.7	11.4	4.7 12	10.0	5.3
6.0	10.5	4.5 11	10.9	6.4
6.7	10.2	3.5 10	10.0	6.5
6.7	9.0	2.3 9	10.1	7.8
6.6	10.0	3.4 8	10.9	7.5
7.6	11.3	3.7 7	9.9	6.2
7.4	10.8	3.4 6	10.0	6.6
6.7	10.0	3.3 5	10.4	7.1
7.2	10.0	2.8 4	8.4	5.6

av. = 7.6

Average 7.6

7648 cu. yds. for 12 feet

3
2
1
Bridge

owner of Lots in Ocean Beach

E. D. Wilson. #398

1421 "F" St.

40 113
70
43

17.45

147.45
79.72
227.17

232
227.2
4.8

100 21
79 31
179°51.

89°55
88 45
5105 E

75
87 35
162.35

4165.00
4083.95
81.05

100.00
0.50
100.50
13.00
87.50
0.00
87.50
9.50
78.00
0.20
78.20
6.30
71.90
4.90
67.00

10.00
100.00
5.20
94.20
67.00
60) 2700 | 45
2400
3000

360 00
80

19243.
73 35
199765

9.00

79 20
4

1.00
9

100

37°40
52 13
89°53

N 87°30
43 28
130 58
780
4902
5028
3815

49

207.8
95 71
300.51

2268
1655
392.3

43 22
44 56
88 18
10 42

59
49
101

42 30
19 30
23 00

8964
885
11.4

1053.4

1302.1

1053.3
885
1653

171.8
1986
73.2

87°15 E
43 28

13 58
510°15 W
3°43

22 38
70
92 30
180
8930

11

2640
1280
7920

20777.1
162.3
209.394

69
13.3
55.7

146.0
44.9
101.1

938
26.4
67.4

8.88
1653
1053.3

888
904
184

87°30

39°44
19°52

907
433

Published by H. S. CROCKER COMPANY, Stationers, Drawing Materials, and Mathematical Instruments, San Francisco.

Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

MINUTES.	LKS.	MINUTES.	LKS.	MINUTES.	LKS.
1	$2\frac{1}{3}$	21	49	41	$95\frac{2}{3}$
2	$4\frac{2}{3}$	22	$51\frac{1}{3}$	42	98
3	7	23	$53\frac{2}{3}$	43	$100\frac{1}{3}$
4	$9\frac{1}{3}$	24	56	44	$102\frac{2}{3}$
5	$11\frac{2}{3}$	25	$58\frac{1}{3}$	45	105
6	14	26	$60\frac{2}{3}$	46	$107\frac{1}{3}$
7	$16\frac{1}{3}$	27	63	47	$109\frac{2}{3}$
8	$18\frac{2}{3}$	28	$65\frac{1}{3}$	48	112
9	21	29	$67\frac{2}{3}$	49	$114\frac{1}{3}$
10	$23\frac{1}{3}$	30	70	50	$116\frac{2}{3}$
11	$25\frac{2}{3}$	31	$72\frac{1}{3}$	51	119
12	28	32	$74\frac{2}{3}$	52	$121\frac{1}{3}$
13	$30\frac{1}{3}$	33	77	53	$123\frac{2}{3}$
14	$32\frac{2}{3}$	34	$79\frac{1}{3}$	54	126
15	35	35	$81\frac{2}{3}$	55	$128\frac{1}{3}$
16	$37\frac{1}{3}$	36	84	56	$130\frac{1}{3}$
17	$39\frac{2}{3}$	37	$86\frac{1}{3}$	57	133
18	42	38	$88\frac{2}{3}$	58	$135\frac{1}{3}$
19	$44\frac{1}{3}$	39	91	59	$137\frac{2}{3}$
20	$46\frac{2}{3}$	40	$93\frac{1}{3}$	60	140

TABLE FOR RUNNING ON SLOPES.

In the following table the first column shows the angle, the second the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS	ANGLE	COR. IN LINKS
°		°		°		°	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07