1924

Soledad Road

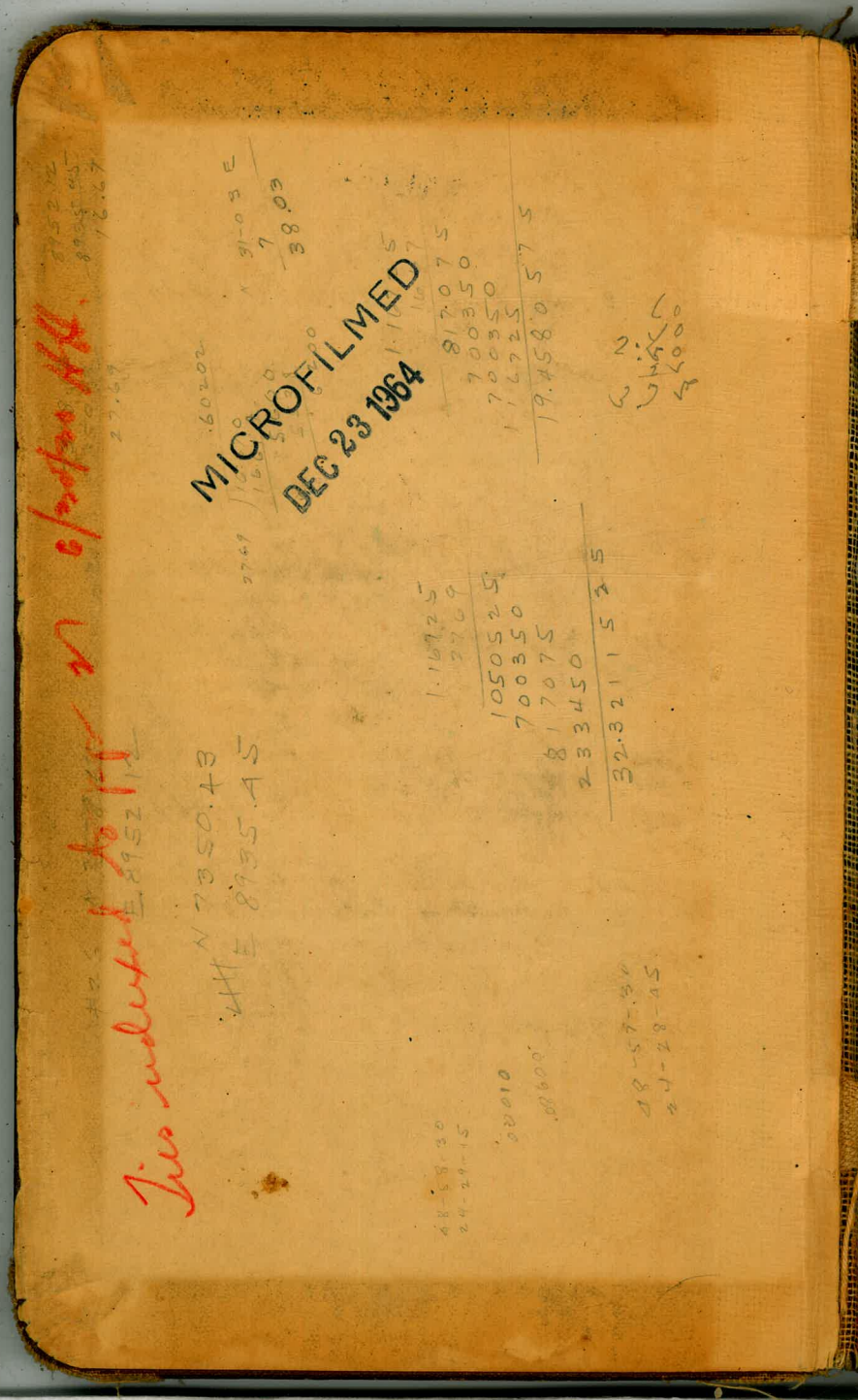
E. La Jolla P.L.S.

1924

PASTE

FIELD BOOK

No. 385 F



Our Leather Bound Engineers Note Books are carried in the following rulings:

No. 380 LEVEL BOOK. Left and Right Hand Page the same as Left Hand Page of this Book.

No. 382 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 4 x 4 to the inch, Center Line Red.

No. 384 MINING TRANSIT BOOK. Left Hand Page as in this Book, Right Hand Page 8x8 to the inch, Center Line Red.

No. 385 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 8 vertical and 4 horizontal lines to the inch, Center Line Red.

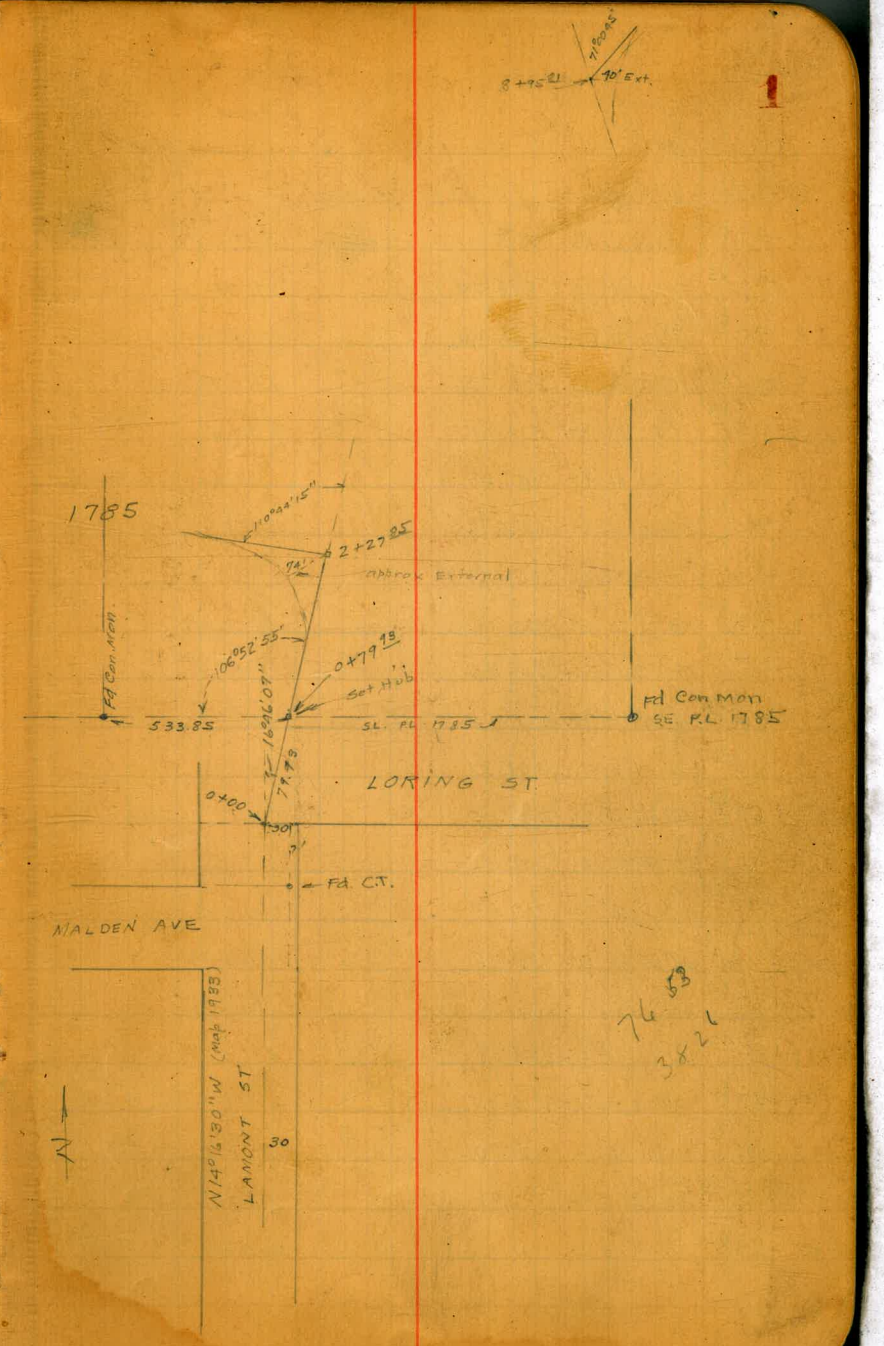
We also carry the Note Books listed above, bound in extra strong Fabri-Hide (otherwise the same quality of book), which can be furnished at a somewhat lower price.

In ordering Fabri-Hide covered books, add the letter *"F"* to catalog number.

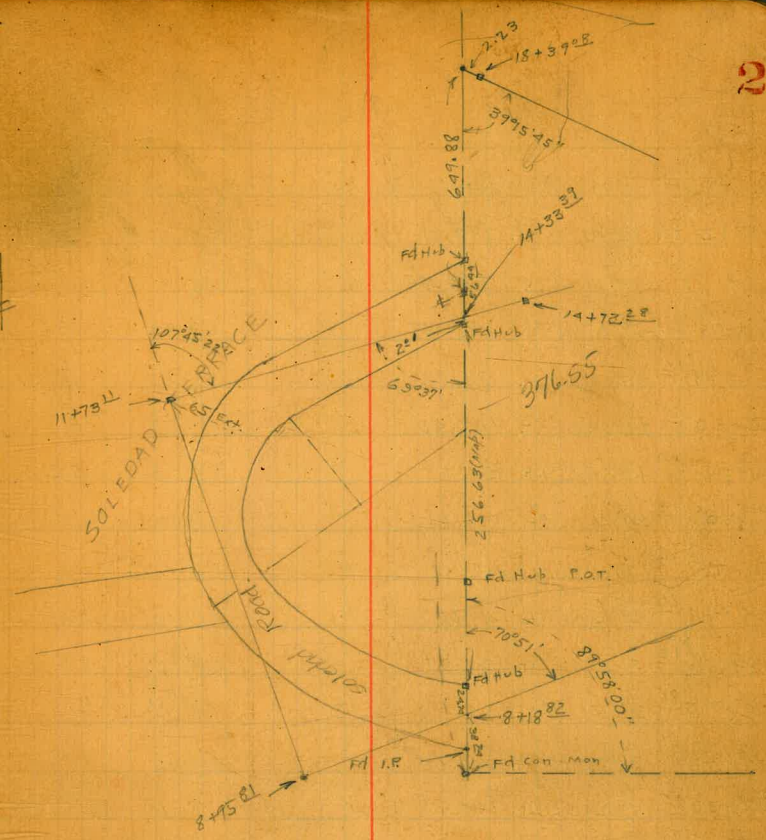
Survey of Soledad Road.

3/11/29. Loudon.

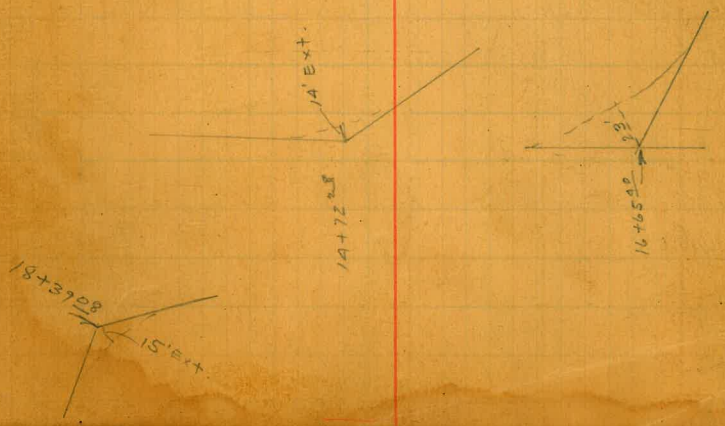
Sta	Def'l	Dist			
0+00	16°46'07" Rt.	227.85			
2+27.85	110°44'15" Lt.	348.73	1	Set Hub	Ext = 74'
5+76.58	15°15'30" Lt.	319.23	2	Set Hub	
8+95.81	71°00'45" Rt.	277.30	3	Set Hub	Ext = 40'
11+73.11	109°45'22" Rt	299.17	4	Set Hub	Ext = 65'
14+72.28	46°47'52" Lt.	193.12	5	Set Hub	Ext = 19'
16+65.40	62°09'08" Lt.	173.68	6	Set Hub	Ext = 23'
18+39.28	52°50'45" Rt.	257.62	7	Set Hub	Ext = 15'
20+96.20	14°48'00" Lt.	1026.89	8	Set Hub	Ext = 6'
31+23.59	11°58'22" Lt.	261.68	9	Set Hub	
33+85.27	12°20'37" Rt.	386.65	10	Set Hub	Ext = 7'
37+71.92	13°31'15" Lt.	159.17	11	Set Hub	Ext = 2'
39+31.09	21°27'15" Rt.	247.49	12	Set Hub	Ext = 7'
41+78.58	32°50' Rt.	265.71	13	Set Hub	Ext = 10'
44+44.29	11°38'30" Rt.	252.00	14	Set Hub	Ext = 6'
46+96.29	31°08'30" Lt.	194.04	15	Set Hub	Ext = 9'
48+90.33	19°15'30" Rt.	281.70	16	Set Hub	
51+72.03	31°44'15" Lt	394.52	17	Set Hub.	Ext = 18'
55+66.55	28°22'00" Rt	128.00	18	Set Hub	Ext = 10'
56+94.55	20°20'15" Lt.	325.72	19	Set Hub.	Ext = 4'
60+20.27	18°02'00" Lt.	315.09	20	Set Hub	Ext = 15'
63+35.36	15°20'30" Rt.	466.20	21	Set Hub	
68+01.56	14°46'30" Rt.	231.24	22	Set Hub	Ext = 15'
70+32.80	21°24'40" Lt	233.39	23	✓	
72+66.19			24	✓	Ext = 5'



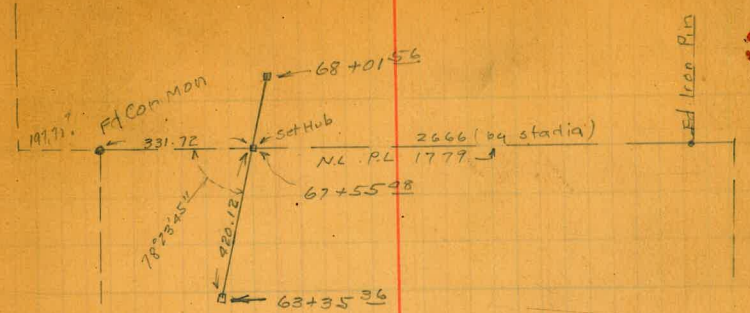
Sta	Defl	Dist			
72+66.19	5°51'00" Lt.	312.83	Set Hub		24
75+79.02	15°56'30" Rt.	315.41	Set Hub	Ext = 11'	25
78+94.48	29°12'00" Lt.	576.40	✓	Ext = 31'	26
84+70.83	7°18'30" Rt.	231.48	✓	Ext = 7'	27
87+02.31	33°47'00" Lt.	300.75	✓	Ext = 26'	28
90+03.06	11°21'30" Rt.	516.60	✓	Ext = 6'	29
95+19.66	18°56'00" Rt.	865.27	✓	Ext = 6'	30
103+84.93	26°00'00" Rt.	391.82	✓	Ext = 11'	31
107+76.75	94°59'45" Lt.	436.27	✓	Ext = 11'	32
112+13.02	48°38'22" Lt.	356.65	✓	Ext = 20'	33
115+69.67	36°04'45" Rt.	248.02	✓	Ext = 9'	34
118+17.69	19°48'45" Rt.	512.88	✓	Ext = 7'	35
123+30.57	31°01'00" Rt.	231.28	✓	Ext = 7'	36
125+61.85	34°56'30" Lt.	240.05	✓	Ext = 14'	37
128+01.90	37°06'45" Rt.	330.95	✓	Ext = 26'	38
131+32.85	91°55'45" Rt.	315.04	✓	Ext = 35'	39
134+47.89	57°33'00" Lt.	192.35	✓	Ext = 19'	40
136+40.24	21°19'50" Rt.	212.18	✓	Ext = 8'	41
138+52.42	121°11'30" Lt.	234.79	✓	Ext = 39'	42
140+87.21	9°22'30" Lt.	216.95	✓	Ext = 4'	43
143+04.16	15°40'15" Lt.	118.70	✓	Ext = 4'	44
144+22.86	24°05'15" Rt.	151.81	✓	Ext = 5'	45
145+74.67	19°41'30" Lt.		✓	Ext = 3'	46



Ties to Soledad Terrace.

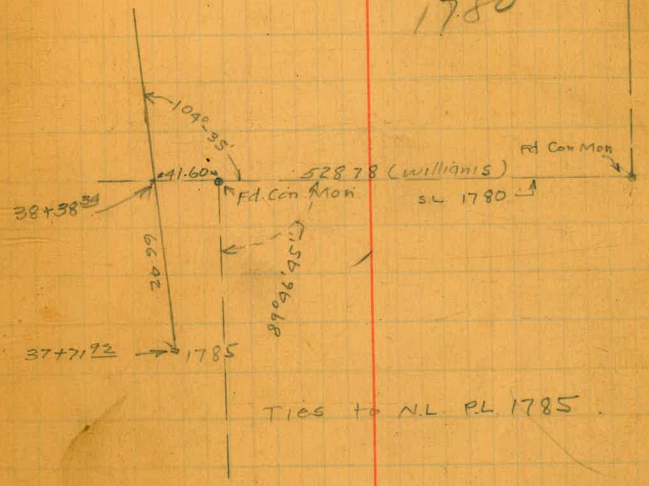


Sta.	Def'l.	Dist.			
145+79 67	19°44'30" Lt.	146.87	set Hub		46
147+21 54	32°47'30" Rt.	290.11	✓	Ext = 8'	47
150+11 45	14°16'45" Lt.	362.65	✓	Ext = 4'	48
153+79 30	19°51'00" Rt.	73.82	✓	Ext = 3	49
154+48 12	30°05'20" Lt.	81.92	✓	Ext = 5	50
155+30 01	26°04'00" Rt.	108.40	✓	Ext = 3'	51
156+38 44	17°56'45" Lt.	150.69	✓	Ext = 5	52
157+89 13	37°26'15" Rt.	118.61	✓	Ext = 3'	53
159+07 74	70°01'30 Lt.	112.12	✓	Ext = 17'	54
160+19 86	29°15'00" Rt.	141.06	✓	Ext = 2'	55
161+60 92	51°28'45" Rt.	134.89	✓	Ext = 7'	56
162+95 81	21°59'00" Lt.	128.08	✓	Ext = 8'	57
164+23 89	37°36'30" Rt.	206.65	✓	Ext = 8'	58
166+30 54	53°21'52 Lt.	160.37	✓	Ext = 18'	59
167+90 71	105°59'45" Rt.	150.41	✓	Ext = 17'	60
169+41 32	57°52'00" Lt.	120.71	✓	Ext = 12'	61
170+62 03	50°55'00" Lt.		✓	Ext = 6'	62

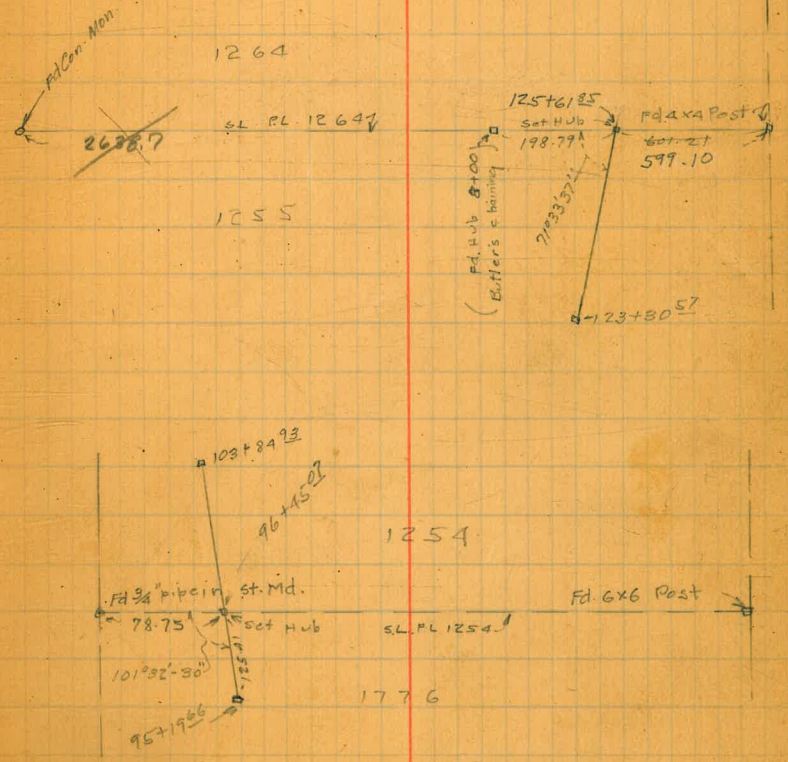


Tie to N.L. P.L. 1779

1780



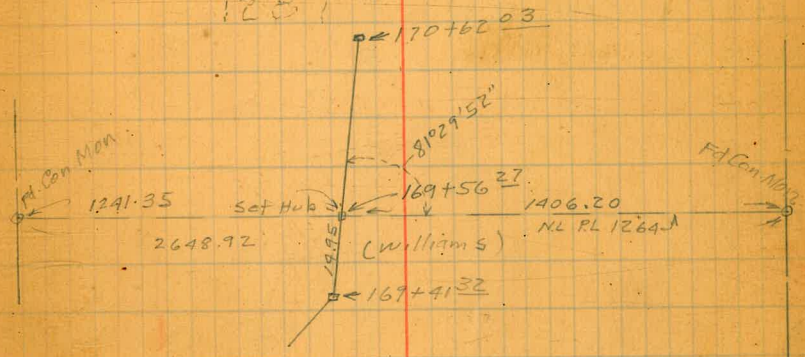
Ties to N.L. P.L. 1785


Fd Con. Mon.
1264
2698.7
SL PL 1264
1255
125+61.85
Set Hub
198.79
Fd 4x4 Post
Set at
599.10
Fd. Hub @ 100' (Butler's chaining)
71°33'37"
123+80.57
103+84.93
96+15.07
1254
Fd 3/4" pipe in st. Md.
78.75'
Set Hub
SL PL 1254
Fd. 6x6 Post
101°32'-30"
125.41'
1776
95+19.66

2647.55

286.30
97.50
99.78
194.28
299.65
263.84
1241.35
1406.20
2647.55

1287



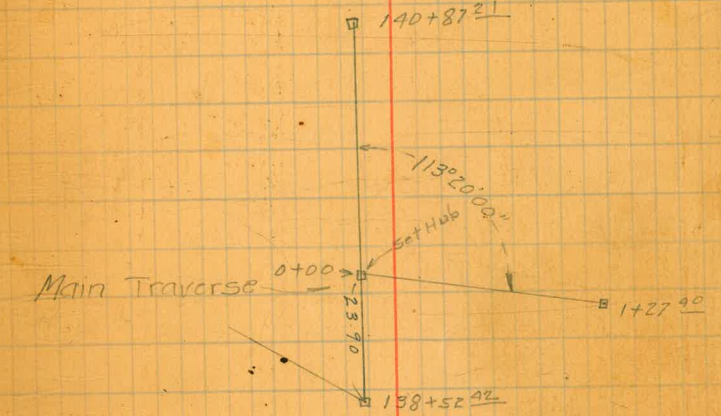
1264

Survey of branch Road to Soledad Mountain from Main Soledad Road.

Road about 10' wide.

Sta	Def'l	Dist.			
0+00	113°20'00" Rt.	127.40	1	Set Hub	
1+27 40	24°09'00" Lt	254.51	2	✓	Ext = 5'
3+81 91	88°00'00" Rt	371.30	3	✓	Ext = 38'
7+53 21	39°55'15" Lt.	80.11	4	✓	Ext = 5'
8+33 32	00°00'00"	296.64	5	✓	branch of loop.
11+29 96	111°09'07" Lt.	208.90	6	✓	Ext = 30'
13+38 86	70°06'45" Lt.	88.80	7	✓	Ext = 16'
14+27 66	69°34'00" Lt	152.31	8	✓	Ext = 16'
15+79 97	40°05'00" Rt.	95.82	9	✓	Ext = 8'
16+75 79	= 8+33 32		5		

4/2/29
London



Coordinates of P.I.s of Soledad Road
Bearings derived from bearing of

	Bearing	Dist	N	S	E
0					
	N2-29-37E	227.85	227.63		9.91
1					
	S71-45-22W	348.73		109.18	
2					
	S56-29-52W	319.23		176.21	
3					
	N52-29-23W	277.30	168.85		
4					
	N55-15-59E	299.17	170.95		245.87
5					
	N8-28-07E	193.12	191.02		28.44
6					
	N53-36-01W	173.68	103.07		
7					
	N0-45-16W	257.62	257.60		
8					
	N15-33-16W	1026.89	989.31		
9					
	N27-31-38W	261.68	232.06		
10					
	N15-11-01W	386.65	373.15		
11					
	N28-42-16W	159.17	139.60		
12					
	N7-15-01W	247.49	245.51		
13					
	N25-34-59E	265.71	239.66		114.74
14					
	N37-13-29E	252.00	200.66		152.45
15					
	N6-04-59E	194.04	192.94		20.56
16					
	N25-20-29E	281.70	254.59		120.57
17					
	N6-23-46W	394.52	392.07		
18					
	N21-58-14E	128.00	118.70		47.89
19					
	N1-37-59E	325.72	325.59		9.28
20					
	N16-24-01W	315.09	302.27		
21					
	N3-08-31W	466.20	465.54		
22					
	N11-42-59E	231.24	226.43		46.93
23					
	N9-42-41W	233.39	230.03		
24					
	N15-33-41W	312.83	301.38		

Survey Origin at 0+00 (see P1)
La Mont St (Map 1933) N 14°16'30" W

8

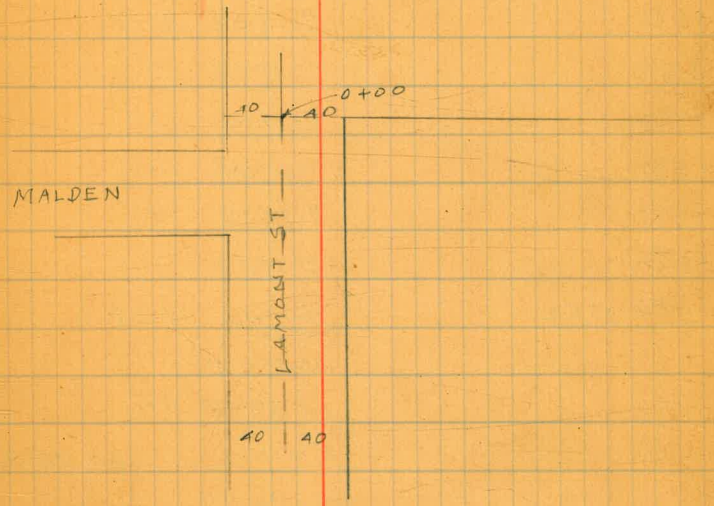
W	Lat.	Long.
	227.63	9.91 E
331.20	118.45	321.29 W
266.19	57.76 S	587.48 W
219.96	111.09 N	807.44 W
	281.54	561.57 W
	472.56	533.13 W
139.79	575.63	672.92 W
3.39	833.23	676.31 W
275.37	1822.54	951.68 W
120.94	2054.60	1072.52 W
101.26	2427.75	1173.78 W
76.45	2567.35	1250.23
31.23	2812.86	1281.46
	3052.52	1166.72
	3253.18	1014.27
	3496.12	993.71
	3700.71	873.14
43.95	4092.78	917.09
	4211.48	869.20
	4537.07	859.92
88.96	4839.34	948.88
24.87	5304.88	973.75
	5531.31	926.82
39.33	5761.34	966.15
83.88	6062.72	1050.03

	Bearing	Dist	N	S	E	W	Lat		Long	
							6378.12	N	1047.89	W
25	N 0-23-49 E	315.41	315.40		2.14	277.78	6883.17		1325.67	
26	N 28-48-11 W	576.40	505.05			8485	7098.54		1410.52	
27	N 21-30-29' 41" W	231.48	215.37			247.22	7269.81		1657.74	
28	N 55-17-16' 41" W	300.75	171.27			358.39	7641.87		2016.13	
29	N 43-55-11" W	516.60	372.06			365.60	8426.11		2381.73	
30	N 24°59-11 W	865.27	784.24				8817.87		2374.86	107+84.93
31	N-1-00-49" E	391.82	391.76		6.87	243.91	9179.59		2618.77	107+76.95
32	N 93-58' 56" W	436.27	361.72			353.70	9225.34		2972.47	112+13.82
33	N 82-37-18" W	356.65	45.75			170.59	9405.40		3143.06	
34	N 46-32' 33" W	248.0E	180.06			230.76	9863.44		3373.82	
35	N 26-44-43' 48" W	512.88	458.04				10094.07		3356.57	
36	N 4-17' 12" E	231.28	230.63		17.25	122.43	10300.55		3479.00	
37	N 30-39-18 W	240.05	206.48				10629.40		3441.82	
38	N 6-26-27' 27" E	330.95	328.85		37.18		10583.68		3130.11	
39	S 81-39-36' 48 E	315.04		45.72	311.71		10733.52		3009.51	
40	N 38-44-50 12 E	192.35	149.84		120.60		10839.10		2825.46	
41	N 60-01-10' 02" E	212.18	105.58		184.05	205.42	10952.81		3030.88	
42	N 61-01-28" W	234.79	113.71			204.39	11025.56		3235.27	
43	N 70-34-23' 58" W	216.95	72.25			118.42	11033.74		3353.69	
44	N 86-04-13" W	118.70	8.18			134.08	11105.03		3487.72	
45	N 61-41-58' 58" W	151.81	71.29			145.34	11126.15		3633.06	
46	N 81-43-28" W	146.87	21.12			218.75	11316.70		3851.81	
47	N 48-58-55' 58" W	290.11	190.55			323.76	11480.10		4175.57	
48	N 63-18-12' 43" W	362.65	163.40			50.69	11533.76		4226.26	
49	N 48-21-21' 43" W	78.82	53.66							
50										

	Bearing	Dist	N	S	E
50	N73-27-~~33~~ 03" W	81.92	23.32		
51	N47-23-~~33~~ 03" W	108.40	73.38		
52	N65-~~28-16~~ 19' 48" W	150.69	62.87		
53	N27-~~54-05~~ 53'33" W	118.61	104.82		
54	S 82-04-~~37~~ 57" W	112.12		15.46	
55	N68-40-~~38~~ 03" W	141.06	51.30		
56	N17-11-~~48~~ 18" W	134.89	128.86		
57	N ~~31-10-48~~ 37°10'18" W	128.08	109.58		
58	N 1-~~34-16~~ 33' 48" W	206.65	206.57		
59	N54-~~56-10~~ 55'40" W	160.37	92.13		
60	N51-~~08-35~~ 04'05" E	150.41	94.54		116.98
61	N6-~~49-35~~ 47'55" W	120.71	119.86		
62	N57°42'55" W				
63					

W	Lat		Long.	
78.53	11557.08	✓	4304.79	W -
79.78	11630.46	✓	4389.57	-
136.94	11693.33	✓	4521.51	-
55.50	11798.15	✓	4577.01	-
111.05	11782.69	✓	4688.06	-
131.40	11833.99	✓	4819.46	-
39.88	11962.85	✓	4859.34	-
66.31	12072.43	✓	4925.65	-
5.67	12279.00	✓	4931.32	-
131.26	12371.13	✓	5062.58	-
	12465.67	✓	4945.60	-
14.31	12585.53	✓	4959.91	

		Dist.		
0+00				
0+30				
0+65.00	28°32'30" Rt			
1+42.63 BC	ev. Lt.		Δ = 139°10'50"	
			R = 110.00	
			T = 295.68	d = 69°35'25"
			L = 267.21	
			Def'l	chord.
		7.37	1-55-10	7.37
1+50		50.0	13-01-18	49.57
2+00		50.00	13-01-18	✓
2+50		50.00	13-01-18	
3+00		50.00	13-01-18	
3+50		50.00	13-01-18	
4+00		9.84	2-33-45	9.84
4+09.84	E.C.	267.21	69-35-25	
4+50				
5+00				
5+50				
6+00				
6+50				
7+00				
7+50				



7+51.21 B.C Cv. Rt.	Δ = 90°	
	R = 191.00	d = 45°
	T = 191.00	
	L = 300.07	
	Defl	Chord
	7-19-05	49.65
8+00	7-29-58	49.86
8+50	7-29-58	✓
9+00	7-29-58	✓
9+56	7-29-58	✓
10+00	7-29-58	✓
10+50	7-29-58	✓
10+51.29 P.C.C	0-11-05	1.23
	45-00-00	
	Δ = 87°54' Rt.	
	R = 100	d = 43°57'
	T = 96.40	
	L = 153.41	
	13-58-17	48.28
11+00	14-19-26	49.48
11+50	14-19-26	✓
12+00	1-19-51	4.64
12+04.64 E.C.	43-57	

12+39.99	BC	Δ = 67°20 L	
		R = 250	
		T = 159.21	d = 31°10
		L = 294.98	
		Def'l	chord
		1-08-50	10.01
12+50		5-43-46	49.90
13+00		5-43-46	✓
13+50		5-43-46	✓
14+00		5-43-46	✓
14+50		5-43-46	✓
15+00		1-22-20	11.97
15+11.27	EC	31-10-00	
15+50			
16+00			
17+00			
18+00			
19+00			
20+00			
21+00			
22+00			
23+00			
24+00			
25+00			
26+00			
27+00			

28+00

28+12.78 B.C

Δ = 7°46'40" L

R = 1000

T = 67.78

L = 135.75

Def'l chord.

28+50		1-03-58	37.22
29+00		1-25-56	49.98
29+48.53	E.C.	1-23-26	48.52
		3-53-20	
30+00			
31+00			
32+00			
33+00			
34+00			
34+60.52	B.C.	Δ = 47°28' R	
		R = 1000	Δ = 23°44'
		T = 439.66	
		L = 828.45	
		1-07-52	39.48
35+00		1-25-57	49.98
35+50		✓	✓
36+00		✓	✓
36+50		✓	✓
37+00		✓	✓

1-03-58
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3-53-20

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18-19-16
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19-45-13
1-25-57
21-11-10
1-25-57
22-37-07

22-37-07
1-06-53
23-44-00

37+50		1-25-57	49.98	
38+00		✓	✓	
38+50		✓	✓	
39+00		✓	✓	
39+50		✓	✓	
40+00		✓	✓	
40+50		✓	✓	
41+00		✓	✓	
41+50		✓	✓	
42+00		1-06-53	50.00	
42+50		1-06-53	38.96	
42+88.97	E.C			
43+00				
44+00				
45+00				
46+00				
47+00				
47+00.97	B.C	Δ = 25°48'30" L		
		R = 1000		d = 12°51'45"
		T = 228.34		
		L = 448.99		
47+50		1-24-16	49.02	
48+00		1-25-57	49.98	
48+50		✓	✓	
49+00		✓	✓	

1-24-16 –
1-25-57
2-50-13 –
1-25-57
4-16-10 –
1-25-57
5-42-07 –
1-25-57
7-08-04 –
1-25-57
8-33-01 –
1-25-57
9-59-58 ✓
1-25-57
11-25-55 –
1-25-50
12-51-45 –

49+50	1-25-57	49.98
50+00	✓	✓
50+50	✓	✓
51+00	1-25-50	49.94
51+49.94 E.C.		
52+00		
53+00		
54+00		
55+00		
56+00		
57+00		
58+00		
59+00		
60+00		
60+18.81 B.C.	Δ = 6°37' L	
	R = 1000	d = 3°18'30"
	T = 57.81	
	L = 115.48	
	0-53-37	81.19
60+50	1-25-57	49.98
61+00	0-58-56	34.29
61+34.29 E.C.		
62+00		
63+00		
64+00		
65+00		

0-53-37
1-25-57
2-19-34
58-56
3-18-30

66+00
67+00
68+00
69+00
70+00
71+00
72+00
73+00
74+00
74+54.52 B.C.

Δ = 14°35' L
R = 1000
T = 127.96
L = 254.53

d = 7°17'30"

1-18-10 45.47
1-25-57 49.98

75+00
75+50
76+00
76+50
77+00
77+09.05 E.C.
78+00
79+00
80+00

1-18-10 –
1-25-57
2-44-07 –
1-25-57
4-10-04 –
1-25-57
5-36-01 –
1-25-57
7-01-58 –
15-32
7-17-30

80+88.12 B.C	Δ = 24°29' L		
	R = 1000		
	T = 216.97		
	L = 427.31	d = 12°14'30"	
	0-20-25	11.88	
81+00	1-25-57	49.98	
81+50	✓	✓	
82+00	✓	✓	
82+50	✓	✓	
83+00	✓	✓	
83+50	✓	✓	
84+00	✓	✓	
84+50	✓	✓	
85+00	0-26-29	15.43	
85+15.43 E.C.			
86+00			
87+00			
88+00			
89+00			
90+00			
91+00			

0-20-25 -
1-25-57
1-46-22 -
1-25-57
3-12-19 -
1-25-57
4-38-16 -
1-25-57
6-04-13 -
1-25-57
7-30-10 -
1-25-57
8-56-07 -
1-25-57
10-22-04 =
1-25-57
11-48-01 ✓
1-26-29
12-14-30 -

8515.43
670.80
9186.23

$91+58\frac{82}{}$ BC.	$\Delta = 31^{\circ}02'$ R		
	$R = 1000$		
	$T = 277.64$	$d = 15^{\circ}31'$	
	$L = 541.63$		
	1-10-47	41.17	
$92+00$	1-25-57	49.98	
$92+50$	✓	✓	
$93+00$	✓	✓	
$93+50$	✓	✓	
$94+00$	✓	✓	
$94+50$	✓	✓	
$95+00$	✓	✓	
$95+50$	✓	✓	
$96+00$	✓	✓	
$96+50$	✓	✓	
$97+00$	0-00-43	0.45	
$97+00\frac{45}{}$ E.C.			
$98+00$			
$99+00$			
$100+00$			
$101+00$			
$102+00$			
$103+00$			
$104+00$			
$105+00$			

1-10-47
1-25-57
2-36-44
1-25-57
4-02-41
1-25-57
5-28-38
1-25-57
6-54-35
1-25-57
8-20-32
1-25-57
9-46-29
1-25-57
11-12-26
1-25-57
12-38-23
1-25-57
14-04-20
1-25-57
15-30-17
0-00-43
15-31-00

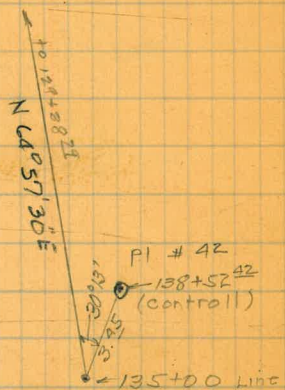
105+32.65 BC	Δ = 60°05' L	0-59-38
	R 500	2-51-53
	T = 289.16 d = 30°02'30"	3-51-31
	L = 524.33	2-51-53
	0-57-38 17.35	6-43-24
105+50	2-51-53 49.98	2-51-53
106+00	✓ ✓	9-35-17
106+50	✓ ✓	2-51-53
107+00	✓ ✓	12-27-10
107+50	✓ ✓	2-51-53
108+00	✓ ✓	15-19-03
108+50	✓ ✓	2-51-53
109+00	✓ ✓	18-10-56
109+50	✓ ✓	2-51-53
110+00	✓ ✓	21-02-59
110+50	0-23-52 6.98	2-51-53
110+56.98 E.C.		23-54-52
111+00		2-51-53
112+00		26-46-45
112+75.15 B.C.	Δ = 39°52'30" R	2-51-53
	R = 500 d = 19°56'15"	29-38-38
	T = 181.37	2-51-53
	L = 347.97	30-02-30

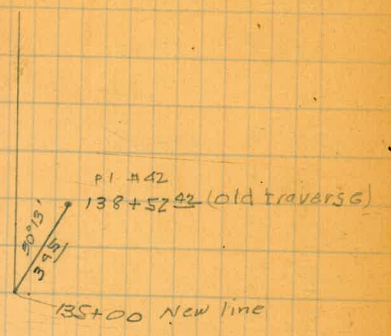
		Defl	Chord	
		1-24-24	24.55	
113+00		2-51-53	49.98	
113+50		"	"	
114+00		"	"	
114+50		"	"	
115+00		"	"	
115+50		"	"	
116+00		1-20-33	23.40	
116+23.42	E.C.			
117+00				
118+00				
119+00				
120+00				
120+64.39	B.C.	$\Delta = 100°12'$ R		
		R = 500		d = 50°06
		T = 598.00		
		L = 874.41		
		2-02-29	35.62	
121+00		2-51-53	49.98	
121+50				
122+00				
122+50				
123+00				
123+50				
124+00				
124+50				

1-24-24
2-51-53
4-16-17
2-51-53
7-08-10
2-51-53
10-00-03
2-51-53
12-51-56
2-51-53
15-43-49
2-51-53
18-35-42
1-20-33
19-56-15

125+00	
125+50	
126+00	
126+50	
127+00	
127+50	
128+00	
128+50	
129+00	
129+38.29	E.C.
130+00	
131+00	
132+00	
133+00	
134+00	
135+00	End of line.

2-02-29
2-51-53
4-54-22
2-51-53
7-46-15
2-51-53
10-38-08
2-51-53
13-30-01
2-51-53
16-21-54
2-51-53
19-13-47
2-51-53
22-05-40
2-51-53
24-57-33
2-51-53
27-49-26
2-51-53
30-41-19
2-51-53
33-33-12
2-51-53
36-25-05
2-51-53
39-16-58
2-51-53
42-08-51
2-51-53
45-00-44
2-51-53
47-52-37
50-06
2-13-23

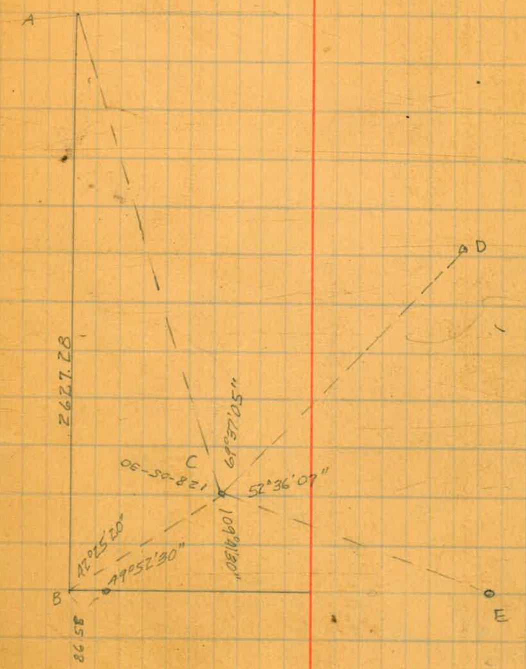



P.I. #42
138+52 42 (old traverse)
30°13'
34.51
135+00 New line

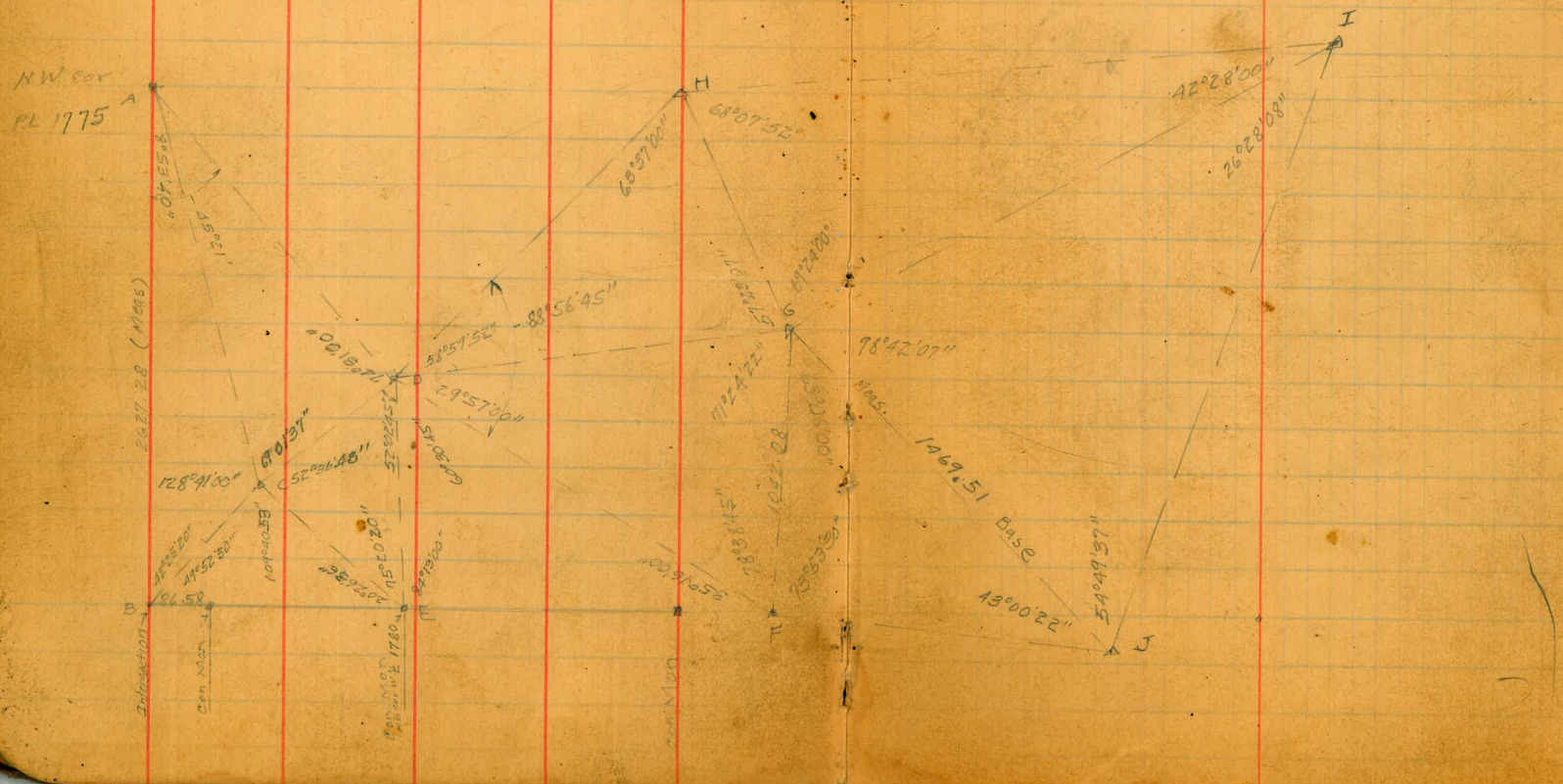
South on production w'ly line of 1255

sta.	slope	Vert L	Hor Dist.	
0+00	164.23	4°30'	163.72	N.W. 1775 Fd Old 3x3 x 4' R.W Post.
$1+63^{72}$	295.00	4°40'	294.07	
$4+57^{74}$			41.86	
$4+99^{60}$	295.00	12°27'	288.06	
$7+87^{66}$			65.00	
$8+52^{66}$	72.67	6°11'	72.25	
$9+84^{91}$	295.00	0°30'	294.99	
$12+19^{90}$	70.5	4°21'	70.30	
$12+90^{20}$	295.00	12°20'	288.19	
$15+78^{39}$			115.00	
$16+93^{39}$			285.00	
$19+78^{39}$	290.00	6°15'	288.28	
$22+66^{67}$	181.34	10°56'	178.05	
$24+44^{72}$	183.70	1°30'	183.64	
$26+28^{36}$				

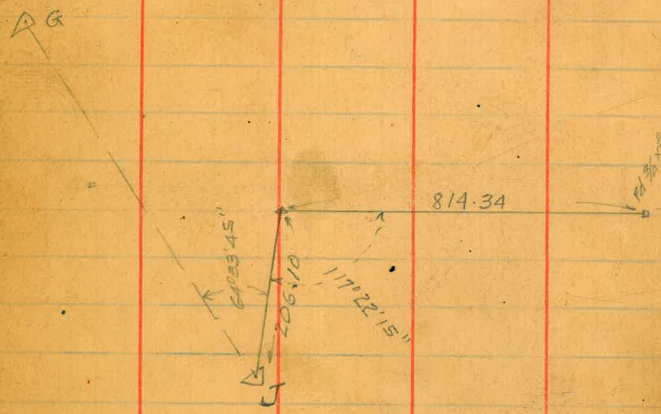
Survey of P.L.'s 1775-1776-1255
1254 for Soledad Road R.o.W.
6/24/29 Loudon. - Jacobson - Morgan.



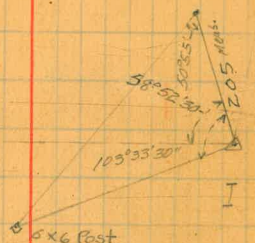
TRIANGULATION NET FOR SURVEY OF PUEBLO LOTS 1775-1776-1255-1254



Slope	V L	Hor	Iron Pin
295.00	25°28'	266.33	
245.00	15°06'	236.54	
295.00	19°44'	277.67	
		38.80	L.
		814.34	
207.00	5°20'	206.10	Δ J

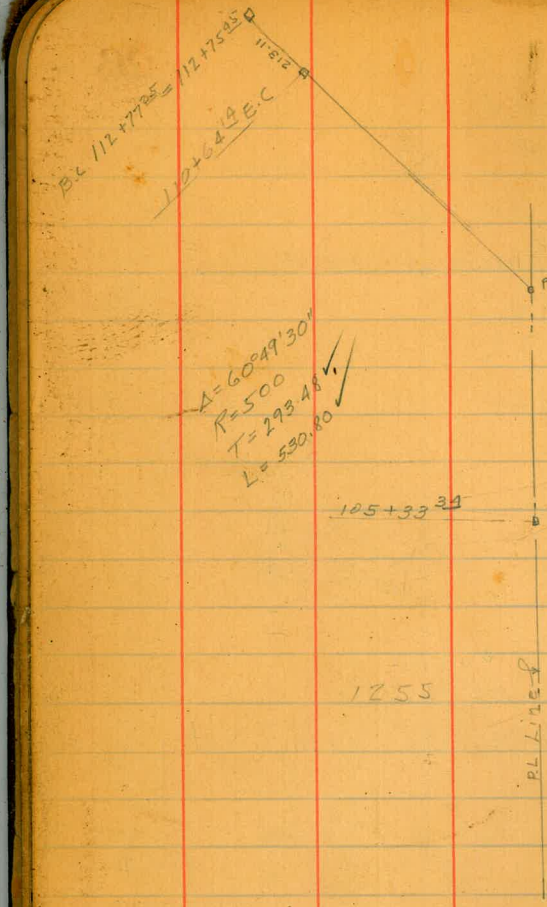


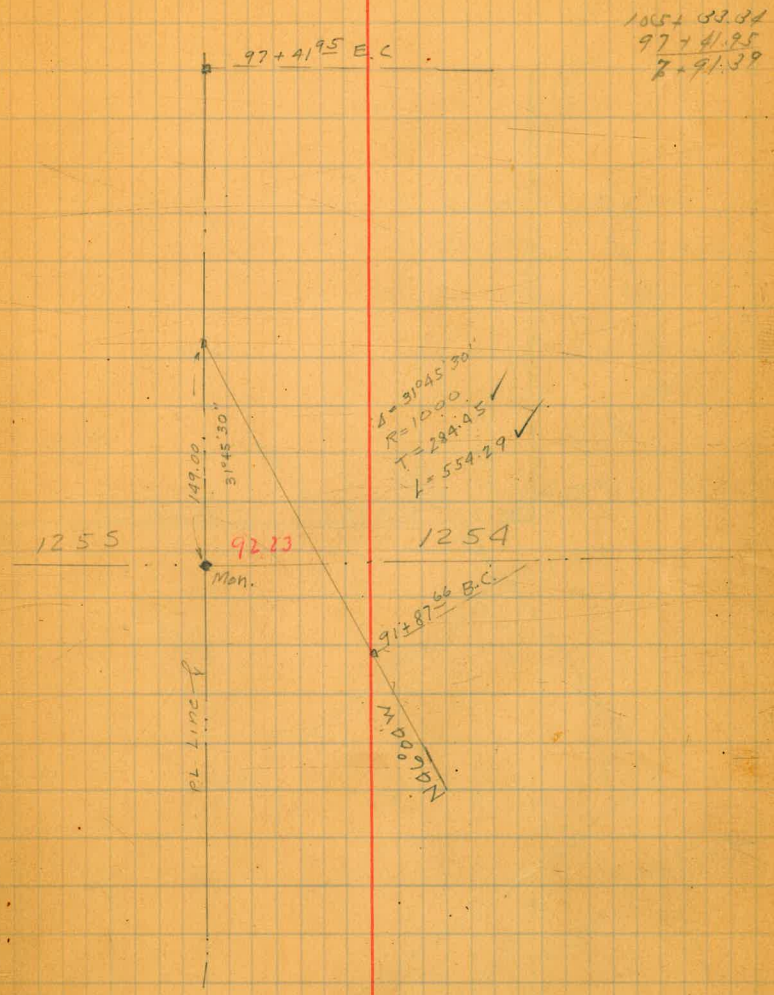
Tie of Iron Pin N.E. P.L. 1779
to Triangulation Net.



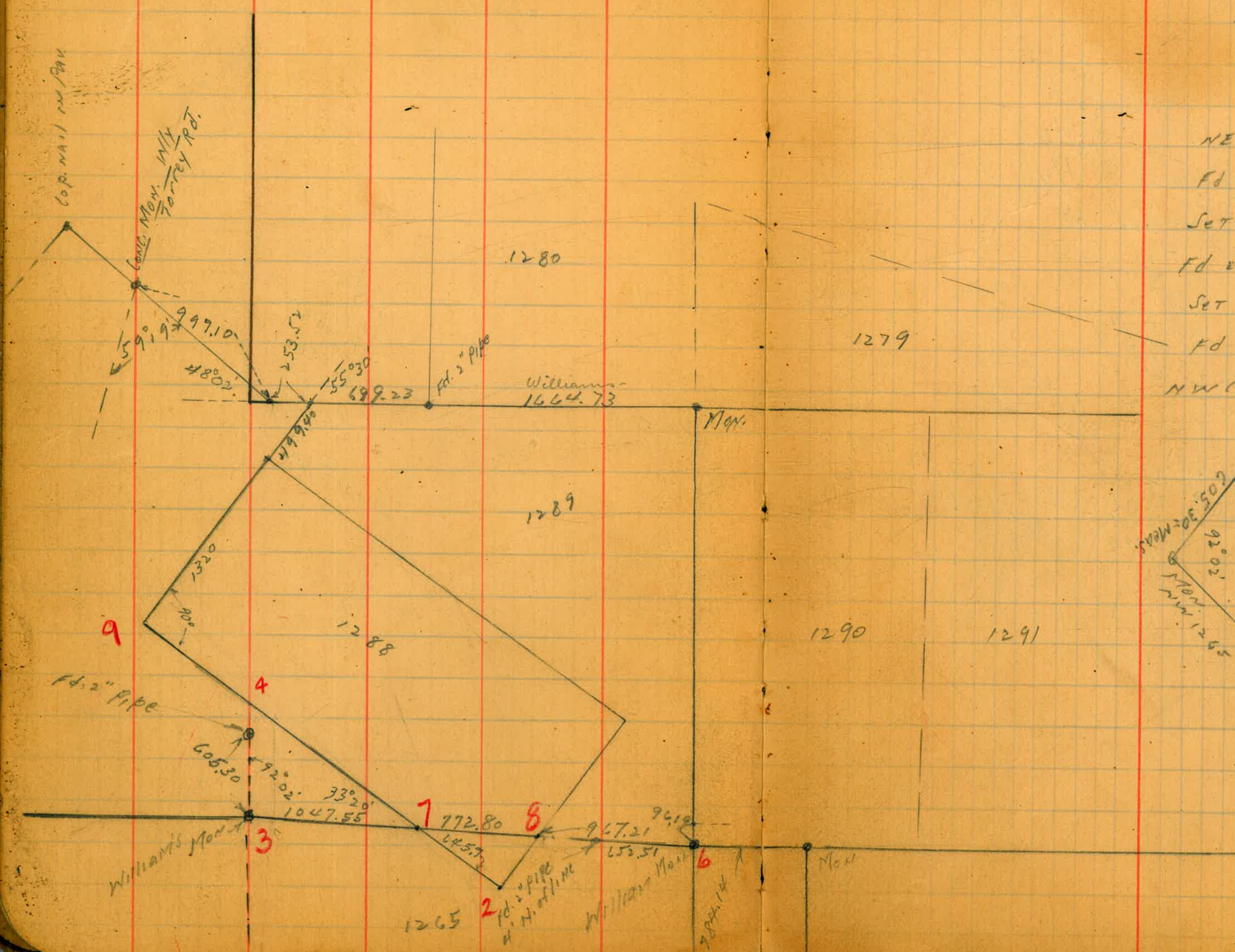
Tie to N.E. P.L. 1776 from Net.

Change of Alignment Soledad Road on E.L. of P.L. 1254.

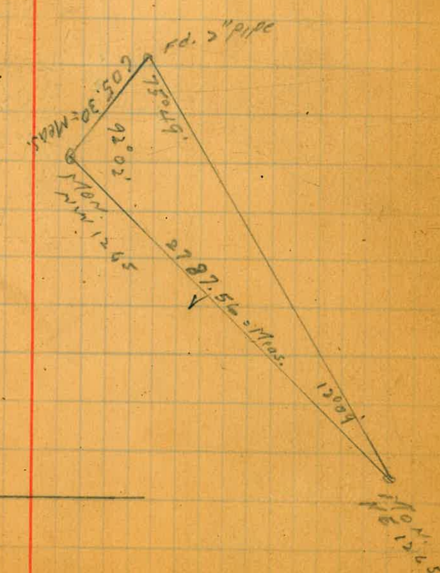




Moore
6-38.



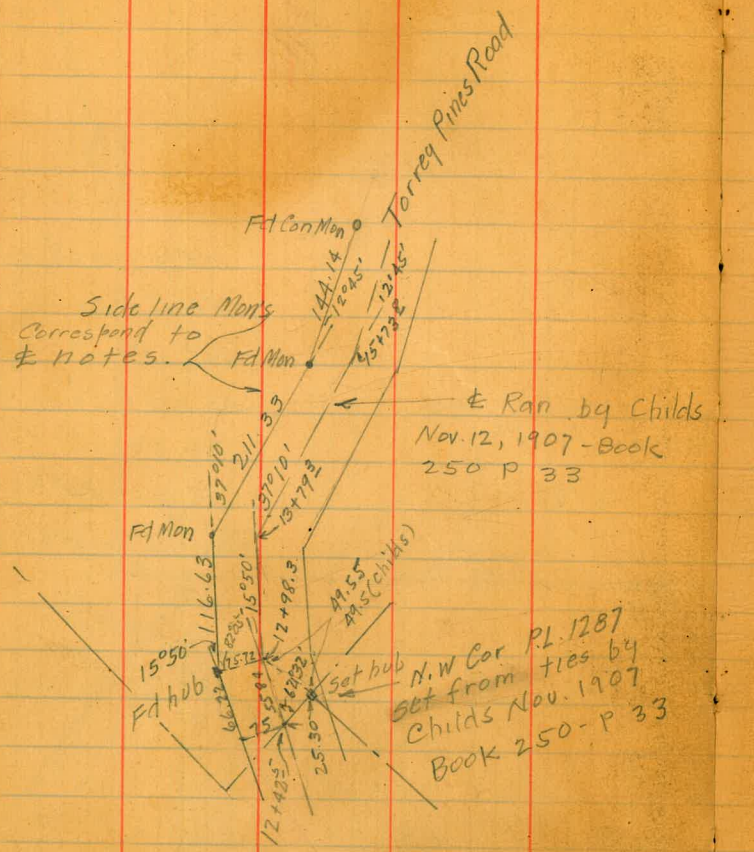
NE Cor 1265 =	00
Fd 2" Pipe	6+53.51
Set 1"x1"	9+67.21
Fd 2x2 RW on Line	12+82.15
Set 1"x1"	17+40.01
Fd 2x2 RW.	21+15.08
NW Cor 1265 =	37+87.56

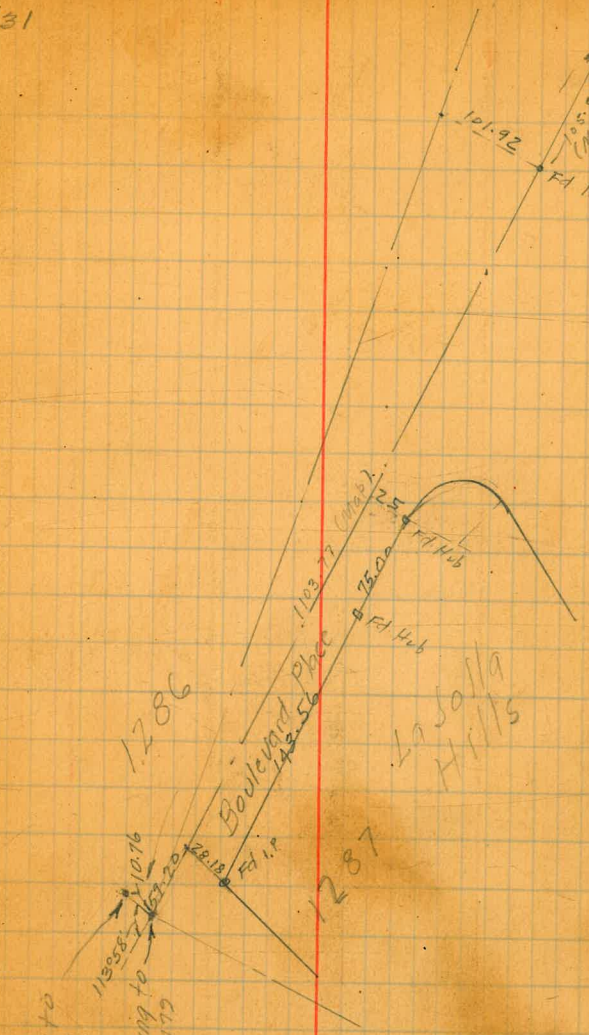


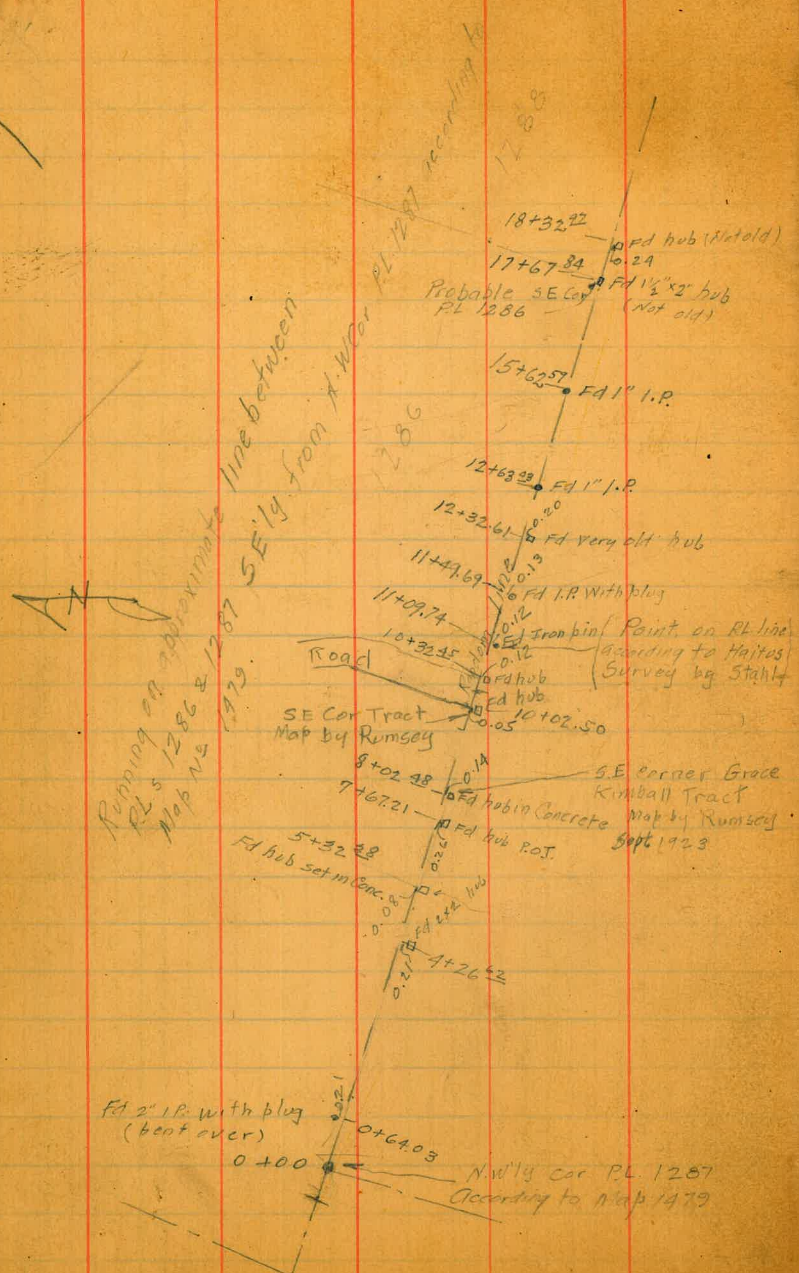
Survey P.L. 1288, 1286

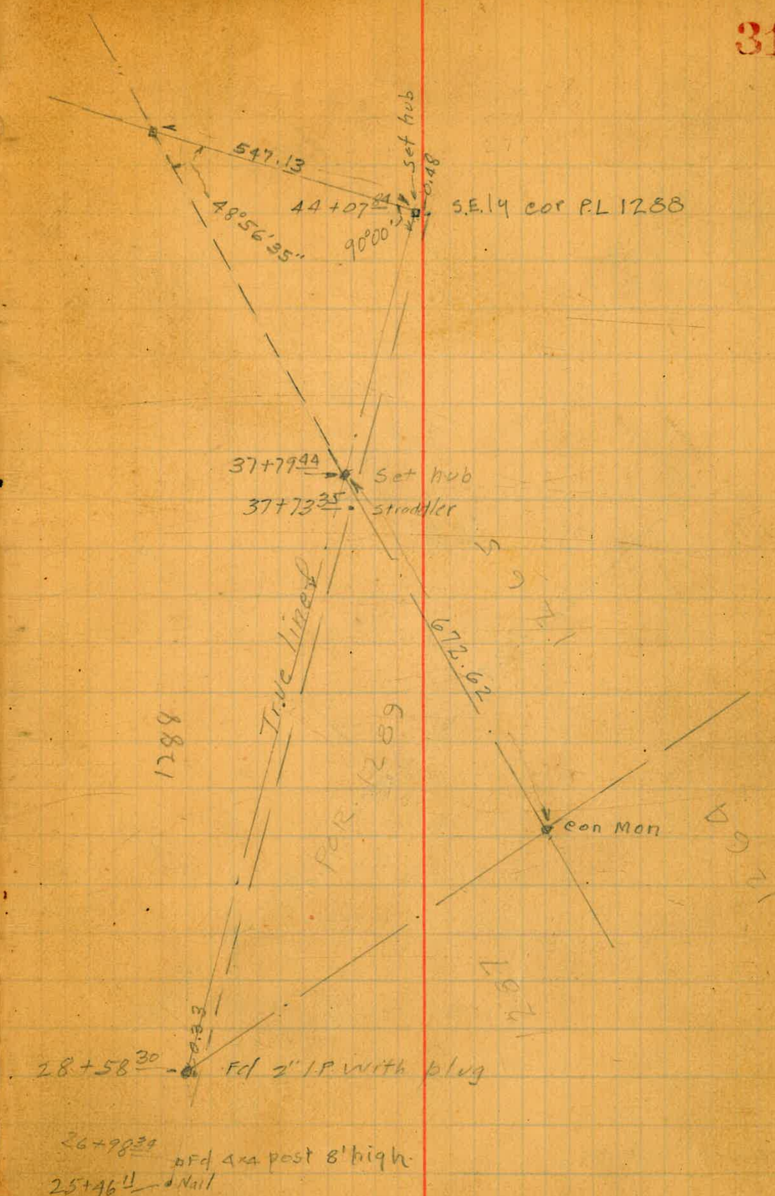
Loudon
Overmit
Isbell

2/26/31

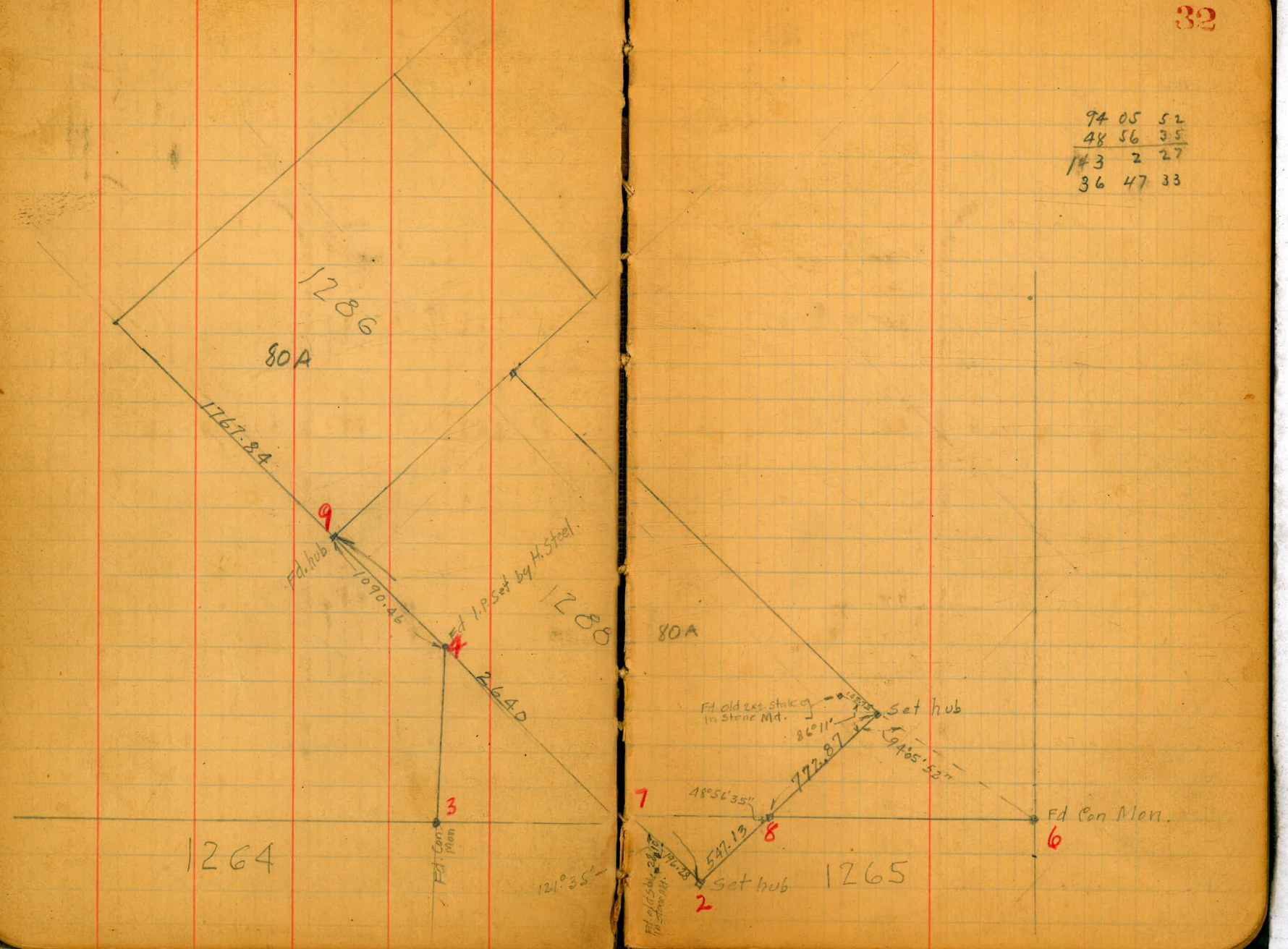





Running on approximate line between
PL's 1286 & 1287
Map No 1979
SE'ly from N.W. Cor PL 1287 according to
1288
1286
N
18+32.92
Fd hub (Not old)
0.24
17+67.84
Fd 1½"x2" hub (Not old)
Probable SE Cor P.L. 1286
15+62.57
Fd 1" I.P.
12+63.33
Fd 1" I.P.
0.20
12+32.61
Fd very old hub
0.13
11+49.69
Fd I.P. with plug
Line
11+09.74
0.12
Iron pin
Point on PL line according to Haites Survey by Stahl
10+32.45
0.12
Fd hub
Fd hub
Road
SE Cor Tract Map by Rumsey
0.05
10+02.50
8+02.48
0.14
S.E. corner Grace Kimball Tract Map by Rumsey Sept 1923
Fd hub in Concrete
7+67.21
Fd hub P.O.T.
5+32.48
Fd hub set in Conc.
0.08
Fd 2x2 hub
4+26.42
0.21
Fd 2" I.P. with plug (bent over)
0.21
0+64.03
0+00
N.W'ly cor P.L. 1287 According to Map 1979


547.13
Set hub
0.48
44+07.84
S.E.¼ cor P.L 1288
48°56'35"
90°00'
37+79.44
Set hub
37+73.35
straddler
672.62
True line
1288
Por 1289
1289
Con Mon
28+58.30
0.33
Fd 2" I.P with plug
26+98.34
Fd 4x4 post 8' high
25+46.11
Nail

94 05 52
48 56 35
143 2 27
36 47 33

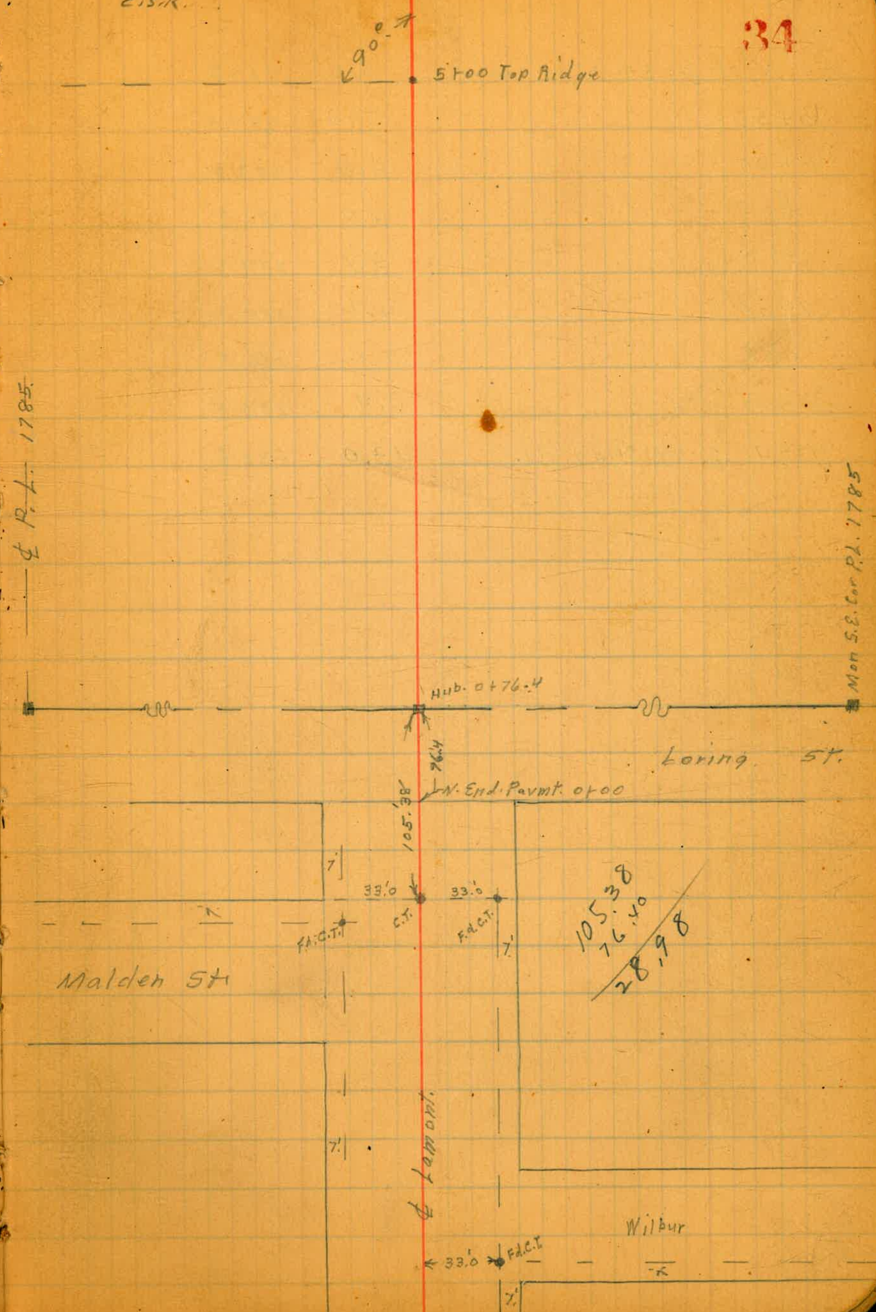


1-15-34 Soledad Rd.

Miller
Walker
Bliss

BM N. End Top Curb	13.03	219.93 ~~113 Ass~~			S.E. Loring & Lamont
0+00 N. End Pavmt			13.25	Ass ~~112.7~~ 206.68	206.90
0+50			9.8	210.1	
1+00			4.0	215.9	
T.P.	13.04	232.72	0.25	219.68	
1+50			10.6	221.6	
1+78 S. side Existing Rd.			5.5	226.7	
2+00 N " " "			3.6	228.6	
T.P.	12.74	245.13	0.33	232.39	
2+50			4.0	241.1	
T.P.	12.40	257.15 ~~150.~~	0.38	244.75	
$5+95^{45}$ P.C. Soledad Rd. Plat showing R. of W.			4.6	Ass ~~143.6~~	
T.P.	13.00	269.91	0.24	256.91	
3+00			14.8	255.1	
3+50			3.5	266.4	
T.P.	12.20	281.82	0.29	269.62	
4+00			6.8	275.0	
4+50			0.5	281.3	
T.P.	9.61	Ass. ~~182.95~~ 289.88	1.55	280.27	
$4+69^{43}$ Hub. ℄ Lamont Produced			6.42	283.46	
5+00 Top Ridge ∆ 90° Lt			4.5	285.4	

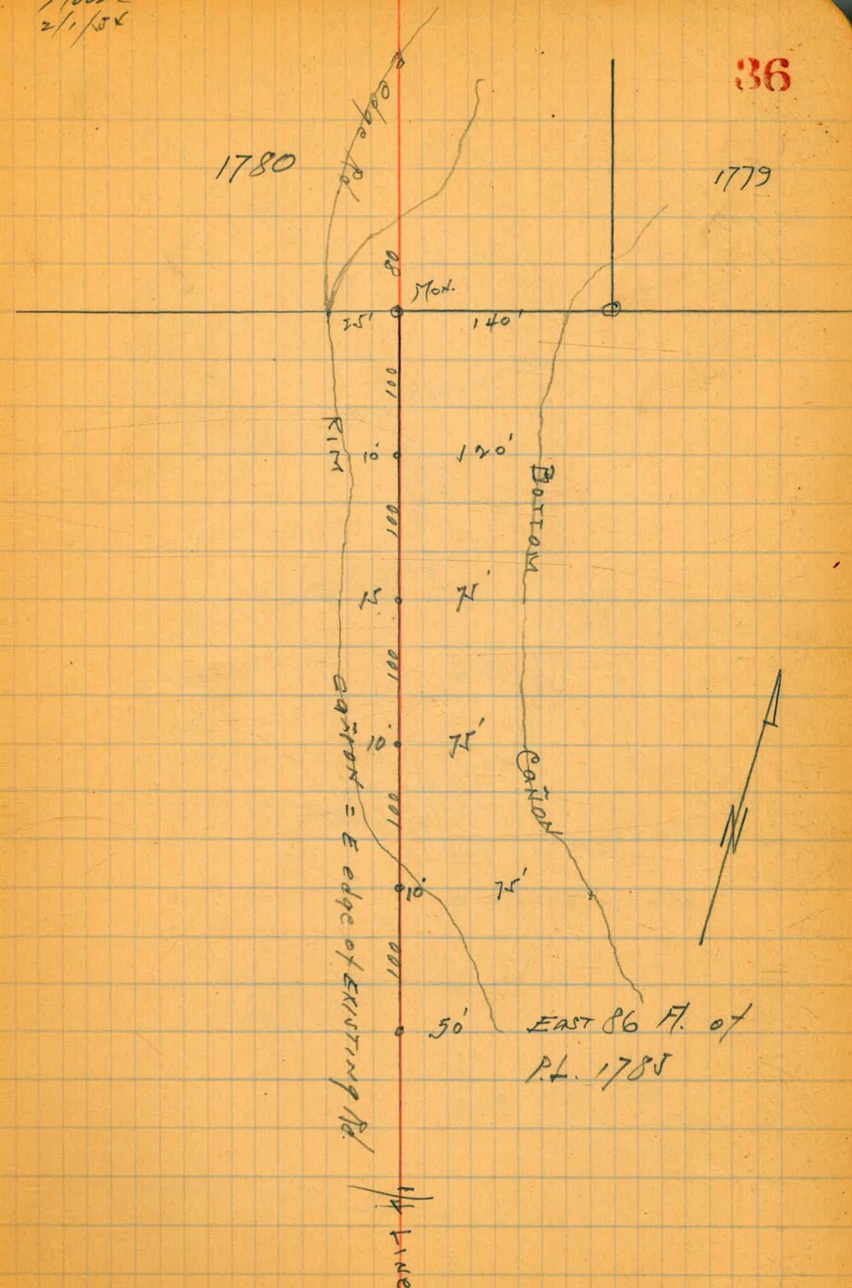
Indexed
C.S.K.



Ass
187.95

50' N of 5+00 & 90°-00 Lt.		5.0	284.9
5+50		5.4	284.5
6+00		6.0	283.9
+50		6.0	283.9
+80		5.7	284.2
7+00		4.7	285.2
+50		3.1	286.8
8+00		4.4	285.5
9+24 & existing Rd.		13.0	276.9

Moore
2/1/54

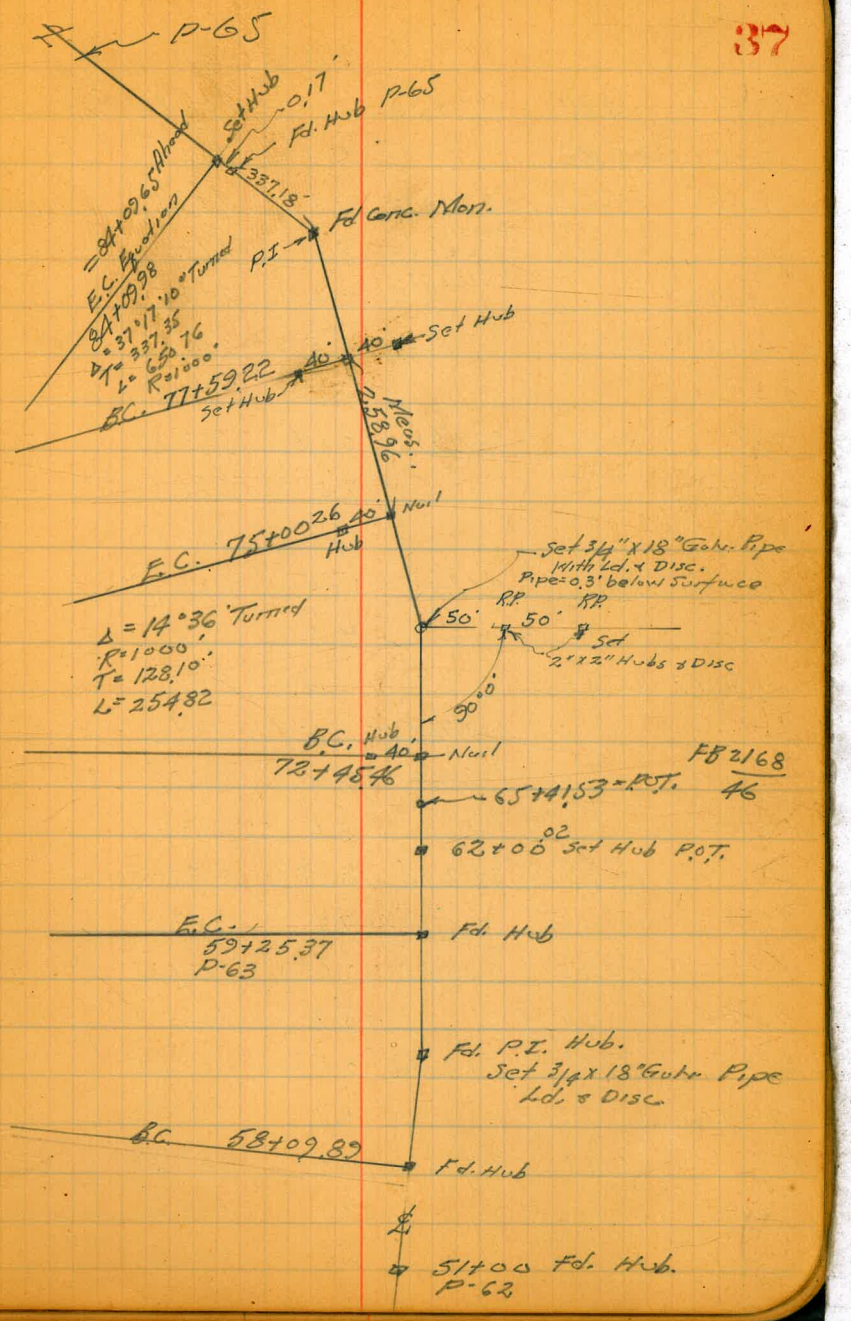

1780
1779
E edge Rd.
Mon.
25'
140'
120'
75'
75'
75'
50'
RIM
BOTTOM
CAÑON
Cañon = E edge of EXISTING Rd.
1/4 Line
East 86 Ft. of
P.L. 1785

Soledad Road Ties To E.C.'s & B.C.

Reset, Due to Diff. in Angles as shown P-64-65.

Walker
Pope
Huffman
5-5-52

84+09.65 Ahead
84+09.98 = Back



FB 2168
46

℄ Levels Soledad Road
East of Lamont

					OUT.
BM	13.16	220.06		206.90	HL&Co. SE Loring & Lamont
0+0	BC Rt		15.1	205.0	
+50		Δ 89°53'12"	11.6	208.5	
		R. 100.0			
1+0		T. 99.80	8.0	212.1	
		L = 156.88			
+50			5.6	214.5	
+56.88	EC		5.50	214.56	on Hub
2+0			2.6	217.5	
TP	13.06	232.98	0.14	219.92	
+50			7.5	226.5	
3+0			1.4	231.6	
TP	12.37	244.70	0.65	232.33	
+50			10.0	234.7	
+83.62	BC Lt		10.4	234.3	
4+0		Δ 17°45'34"	11.5	233.2	
+50		R = 200.0	12.5	232.2	
5+50			5.0	239.7	
TP	12.82	257.34	0.18	244.52	
6+50			7.9	249.4	
TP	13.05	270.33	0.06	257.28	
7+50			8.8	261.5	
TP	12.68	282.53	0.48	269.85	
8+50			7.7	274.8	
TP	7.23	289.51	0.25	282.28	
9+50			7.1	282.4	
10+0	EC		6.6	282.9	

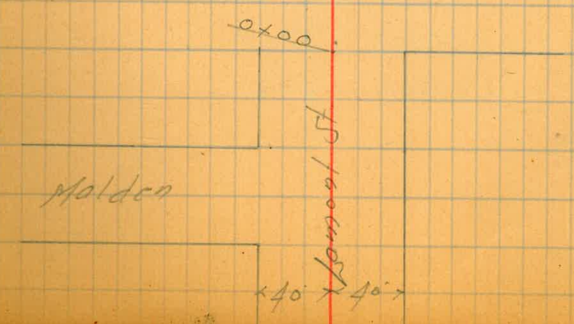
	289.51			
11+0		5.5	284.0	
12+0		6.0	283.5	
13+0		4.6	284.9	
14+0		5.5	284.0	
15+0		5.9	~~283.6~~	
+58		5.40	284.11	on Hub

Alignment Soledad Road.

Lt.

No. See page 41

3+04.69	E.C.		51° 40'
3		Δ 103° 20'	50° 46.29
+50		R 150.0'	41° 13.33
2		T 189.71	31° 40.38
+50		L 270.53	22° 07.42'
1		Def 11.4591	12° 34.47'
+50			3° 01.51'
0+34.16	B.C.		
0+0			



Rt.

To Sec Page 42

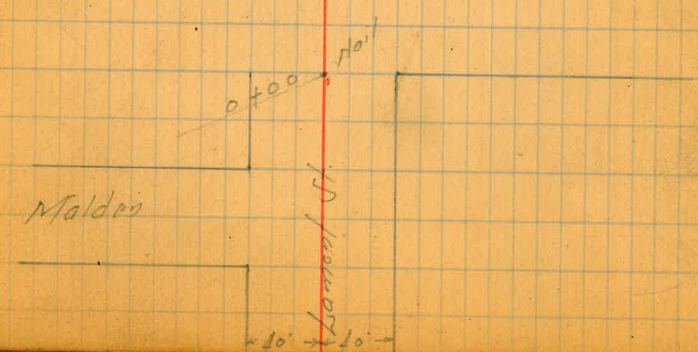
10+02.52	E.C.		43°57'
		Δ 87°54'	
10		R 100.0	43°13.70'
+50		T 96.40	28 54.27'
		L 153.41	
9		Def 17.1887	14°34.73'
8+49.11	P.C.C		38°51.42'
8		Δ 77°42'50"	31°29.49'
+50		R 191.0	23°59.53
7		T 153.89	16°29.56'
+50		L 259.07	8°59.59
6		D 8.9993	1°29.63
5+90.04	B.C.		

Alignment Soledad Road

			Lt.
3+08.70	E.C.		51° 40'
3			50° 00.30'
+50		Δ 103°20'	40° 27.38'
2		R 150.0'	30° 54.42'
+50		T 189.71	21° 21.47'
1		L 270.53	11° 48.52'
+50		Dc 11.4591	2° 15.56'
0+38.17	B.C.		
0+00			

indexed
C.S.R.

Feb. 6-34
V Moore
Sisson
Northup



			Rt.
10+08.29	E.C.		43°57'
10			41°37.43'
		Δ 87°54'	
+50		R 100.0	27° 15'
		T 96.40	
9		L 153.41	15°55.55'
		Def 17.1887	
8+54.88	P.C.C		38°51.43'
8			30°37.57'
		Δ 77°42'56"	
+50		R 191.0	33°07.60'
		T 153.89	
7		L 259.07	15°37.64'
		Def 8.9993	
+50			8°07.67'
6			0°37.71'
5+95.81	B.C.		

			Lt.
13 + 27.22	F.C.		31° 10'
13			28° 03.22'
		Δ 62° 20'	
+50		R 250'	22° 19.85'
		T 151.21	
12		L 271.98	16° 35.48'
		Def. 6.8754	
+50			10° 51.61'
11			5° 07.74'
10 + 55.24	B.C.		

			Lt.
28+27.20	E.C.		3° 55
28		Δ 7° 50	3° 08.21'
		R 1000.0	
+50		T 68.47	1° 42.30'
		L 136.72	
27		D 1.7188	0° 16.35'
26+90.48	B.C.		

Rt.

34+40.97	P.O.T.		
31+69.88	E.C.		3°38.50'
+50		Δ 7°17'	3°04.33'
		R 1000.0	
		T 63.65	1°38.39'
		L 127.12	
+50		31+51.7188	0°12.46'
30+42.76	BC		

Fd. Pipe
8-20-47

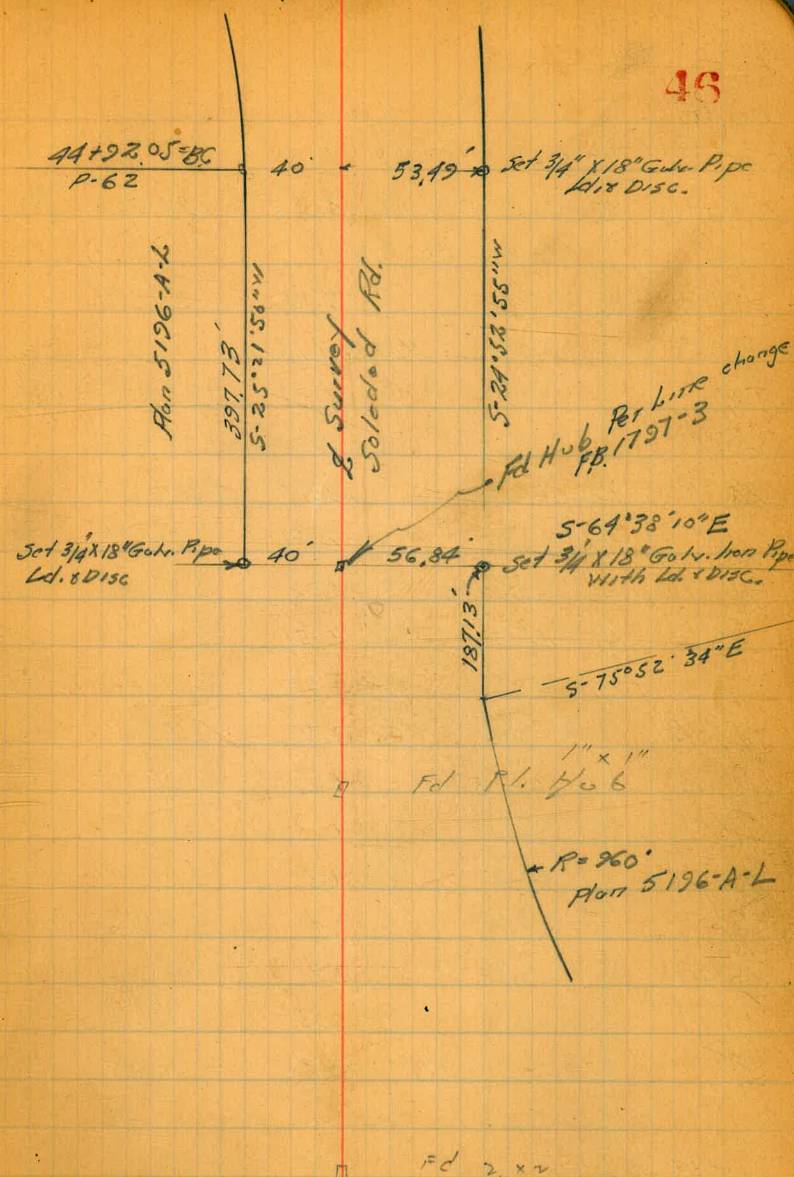
City Proj.

Fd. Stub 8-21-47

			Rt.

Alignment Cont Page 62

41+52.77	E.C. = 43+61.67 (Loudon)		20°07.25'
41			18°36.54'
+50			17°10.60'
40	Rt	Δ 40°14'30"	15°44.65'
+50		R 1000.00	14°18.71'
39		T 366.36	12°52.77'
+50		L 702.35	11°26.82'
38		Def. 1.7188	10°00.88'
+50			8°34.94'
37			7°08.99'
+50			5°43.05'
36			4°17.11'
+50			2°51.16'
35			1°25.22'
34+50.42	BC		



Soledad Road Cross Section

BM	12.83	198.89		186.06	S.E. 7' Tack W. Bar + Lomond
TP	12.17	210.73	0.33	198.56	186.29 1408-54
		00 - 50			
℄ on paving			7.75	202.98	
		0+0 = N'ly End Paving			
BM			3.88	206.85	F. 7' Tack 3' So of S.L. Paving + Lomond
40' Rt			3.5	207.2	
20 Rt = Top Cb			3.84	206.89	
Gutter			4.45	206.28	
℄			4.06	206.67	
20' Lt = Gutter			4.51	206.22	
Top Cb			3.90	206.83	
40' Lt.			3.7	207.0	
		0+38.17 = B.C.L			
40 Lt			0.3	210.4	
20 Lt			1.3	209.4	
℄			1.4	209.3	
20' Rt			1.4	209.3	
40 Rt.			0.3	210.4	
TP	12.25	222.62	0.36	210.37	
		0+50			
40' Rt			11.8	210.8	
20 Rt			12.0	210.6	
℄			12.4	210.2	
20 Lt			12.3	210.3	

indexed CSK.

Feb. 9-34 Moore Sisson Northburg

		222.62		
40' Lt.			11.8	210.8
	1+0			
40' Lt			9.8	212.8
20' Lt			8.7	213.9
℄			6.9	215.7
20' Rt.			5.2	217.4
40' Rt.			3.5	219.1
TP	12.70	235.31	0.01	222.61
	1+50			
40' Rt.			11.1	224.2
20' Rt.			12.2	223.1
℄			14.4	220.9
20' Lt.			15.8	219.5
40' Lt.			17.5	217.8
	2+0			
40' Lt.			13.3	222.0
20' Lt.			10.5	224.8
℄			6.9	228.4
20' Rt.			3.9	231.4
30' Rt.			0.1	235.2
40' Rt			0.0	235.3
TP	13.01	248.20	0.12	235.19
	2+25			
40' Rt.			11.6	236.6
20' Rt			11.0	237.2
15' Rt			12.8	235.4

248.20

✓ ℄	15.1	233.1
20 Lt	20.2	228.0
40 Lt	24.3	223.9
✓ 1+50		
40 Lt	22.4	225.8
20 Lt	18.2	230.0
✓ ℄	14.0	234.2
8 Rt	9.6	238.6
20 Rt	10.0	238.2
30 Rt	10.6	237.6
40 Rt	3.8	244.4
✓ 3+0		
40 Rt	1.9	246.3
30 Rt	5.8	242.4
28 Rt	9.3	238.9
9 Rt	9.8	238.4
✓ ℄	15.2	233.0
20 Lt	20.4	227.8
40 Lt	24.2	224.0
✓ 2+08.90 EC		
40 Lt	24.6	223.6
20 Lt	21.2	227.0
✓ ℄	16.0	232.2
10 Rt	9.8	238.4
28 Rt	9.2	239.0
30 Rt	5.7	242.5

248.20

40 Rt	1.7	246.5
✓ 3+50		
40 Rt	1.9	246.3
36 Rt	3.7	244.5
33 Rt	8.0	240.2
16 Rt	8.7	239.5
✓ ℄	17.0	231.2
20 Lt	23.1	225.1
40 Lt	27.4	220.8
✓ 4+0		
40 Lt	26.3	221.9
20 Lt	21.0	227.2
✓ ℄	14.0	234.2
13 Rt	9.8	238.4
20 Rt	5.8	242.4
35 Rt	6.3	241.9
40 Rt	0.9	247.3
✓ 4+50		
40 Rt	+4.0	252.2
32 Rt	2.8	245.4
15 Rt	1.8	246.4
10 Rt	5.0	243.2
✓ ℄	8.3	239.9
20 Lt	15.6	232.6
40 Lt	22.1	225.1

		248.20		
	5+40			
40' Lt.			15.4	232.8
20' Lt.			9.2	239.0
✓ ℄			2.8	245.4
TP	12.25	260.98	0.17	248.03
11' Rt.			11.1	249.9
37' Rt.			11.5	249.5
30' Rt			7.7	253.3
40' Rt			3.8	257.2
	5+50			
40' Rt			2.5	258.5
23' Rt			6.2	254.8
20' Rt.			9.9	251.1
3' Rt			10.0	251.0
✓ ℄			12.5	248.5
20' Lt			18.1	242.9
40' Lt			23.5	237.5
	5+95.81 B.C. Rt.			
10' Lt			19.7	241.3
20' Lt			15.7	245.3
5' Lt			11.0	250.0
✓ ℄ on Hub			8.32	252.66
10' Rt			8.5	252.5
19' Rt			5.2	255.7
40' Rt.			1.4	259.6

		260.98		
	6+50			
40' Rt			0.0	260.98
20' Rt			3.0	258.0
16' Rt			6.3	254.7
✓ ℄			5.8	255.2
9' Lt			9.0	252.0
20' Lt			11.7	249.3
40' Lt.			16.3	244.7
	7+0			
40' Lt			8.6	252.4
20' Lt			4.8	256.2
7' Lt			2.7	258.3
✓ ℄			1.5	259.5
18' Rt			2.0	259.0
TP	11.97	272.76	0.19	260.79
22' Rt			10.4	262.4
40' Rt			9.1	263.7
	7+50			
25' Rt			8.1	264.7
20' Rt			8.7	264.1
18' Rt			10.8	262.0
✓ ℄			9.8	263.0
25' Lt			14.9	257.9
	7+75			
30' Lt = Cor. House Appr. Ex. Floor			12.5	259.3

		272.76			
	8+0				
25' Lt			10.5	262.5	
℄			7.3	265.5	
18' Rt			7.8	265.0	
20' Rt			5.9	266.9	
25' Rt			5.6	267.2	
	8+54.88 P.C.C.				
25' Rt			2.7	270.1	
15' Rt			2.9	269.9	
13' Rt			4.4	268.4	
℄			4.0	268.8	
25' Lt			4.7	268.1	
B M			7.48	265.28	105' Lt 8+54.88 at Cor. Lamar Conc. Step
	9+0				
25' Lt			0.6	272.2	
℄			2.0	270.8	
25' Rt			2.3	270.5	
	9+50				
25' Rt			1.2	271.6	
18' Rt			2.0	270.8	
℄			1.1	271.7	
25' Lt			0.0	272.76	
TP	12.47	284.91	0.32	272.44	
	10+08.89 E.C.				
25' Lt			12.4	272.5	
℄			12.8	272.1	

	284.91		
25' Rt		13.6	271.3
	10+55.24 B.C. Lt		
25' Rt		13.4	271.5
℄		12.4	272.5
25' Lt		12.0	272.9
	11+0		
25' Lt		9.9	275.0
℄		11.7	273.2
25' Rt		12.6	272.3
	11+50		
25' Rt		10.9	274.0
℄		9.7	275.2
25' Lt		7.5	277.4
	12+0		
25' Lt		6.0	278.9
℄		7.8	277.1
25' Rt		9.5	275.4
	12+50		
25' Rt		7.0	277.9
℄		5.1	279.8
25' Lt		3.5	281.4
	13+0		
25' Lt		0.5	284.4
℄		2.4	282.5
25' Rt		3.6	281.3

	284.91			
	13+27.22 = E.C.			
40' Rt.		6.3	278.6	
20' Rt.		3.6	281.3	
℄ on Hub		1.15	283.76	
20' Lt.		+0.9	285.8	
40' Lt.		+2.7	287.6	
		0.26	284.85	284.81 Loudon EC Hub
	13+50			
40' Lt.		+4.2	289.1	
20' Lt.		+1.1	286.0	
℄		1.3	283.6	
20' Rt.		4.2	280.7	
40' Rt.		7.3	277.6	
	13+75			
40' Rt.		8.1	276.8	
30' Rt.		8.5	276.4	
℄		3.7	281.2	
20' Lt.		+0.8	285.7	
40' Lt.		+5.5	290.4	
	14+0			
40' Lt.		+1.0	285.9	
20' Lt		4.1	280.8	
℄		8.9	276.0	
20' Rt.		9.0	275.9	
40' Rt.		11.3	273.6	

	284.91			
	14+30			
40' Rt.		19.0	265.9	
℄		9.3	275.6	
25' Lt		8.9	276.0	
40' Lt		3.6	281.3	
	14+50			
40' Lt		8.6	276.3	
12' Lt		9.1	275.5	
℄		15.0	269.9	
TP	6.14	278.81	12.2 Lt	272.67
20' Rt.			15.4	263.4
40' Rt.			19.7	259.1
	14+75			
40' Rt.			10.3	268.5
20' Rt.			18.9	261.9
℄			8.8	270.0
17' Lt.			5.2	273.6
40' Lt			3.3	275.5
	15+0			
40' Lt.			4.7	274.1
15' Lt.			6.2	272.6
℄			13.7	265.1
10' Rt			14.8	264.0
30' Rt			8.2	270.6
40' Rt			7.9	270.9

378.81

15+0 = Proposed Culvert 45° Left.

85 Rt.		22.8	256.0
65 Rt.		18.2	260.6
50 Rt.		18.8	260.0
25 Rt.		18.0	260.8
℄		13.7	265.1
20 Lt.		6.5	272.3
40 Lt.		5.5	273.3
50 Lt.		10.9	267.9
70 Lt.		9.5	269.3
	15+30		
40 Lt		8.6	270.2
35 Lt		8.7	270.1
28 Lt		5.8	273.0
℄		7.0	271.8
20 Rt.		6.9	271.9
40 Rt		6.1	272.7
	15+50		
40 Rt.		6.2	272.6
20 Rt.		6.5	272.3
℄		5.9	272.9
25 Lt		5.5	273.3
30 Lt		8.2	270.6
40 Lt		7.0	271.8
	16+0		
40 Lt.		3.8	275.0

378.81

20 Lt		4.0	274.8
℄		4.2	274.6
20 Rt		4.2	274.6
40 Rt		3.8	275.0
	16+50		
40 Rt		0.7	278.1
20 Rt		0.5	278.3
℄		0.0	278.8
20 Lt		0.0	278.8
40 Lt		0.3	278.5
TP	12.15	290.87	0.09
	17+0		
40 Lt		9.5	281.4
20 Lt		8.5	282.4
℄		6.7	284.2
20 Rt		6.9	284.0
40 Rt		7.1	282.8
	17+50		
40 Rt		3.7	287.2
20 Rt		4.8	286.1
℄		5.3	285.6
20 Lt		6.5	284.4
40 Lt		6.6	284.3
	18+0		
40 Lt		3.3	287.6
20 Lt		3.0	287.9

		290.87		
✓ ℄			2.1	288.8
20 Rt			2.5	288.4
40 Rt			1.6	289.3
TP	12.49	303.30	0.06	290.81
	18+50	✓		
40 Rt			11.1	292.2
20 Rt			11.4	291.9
✓ ℄			11.3	292.0
20 Lt.			12.6	290.7
40 Lt			12.7	290.6
	19+0	✓		
40 Lt.			10.0	293.3
20 Lt			9.8	293.5
✓ ℄			8.8	294.5
20 Rt			8.5	294.8
40 Rt			7.7	295.6
	19+50	✓		
40 Rt			5.0	298.3
20 Rt			5.8	297.5
✓ ℄			6.0	297.3
20 Lt.			7.1	296.2
40 Lt.			7.4	295.9
	20+0	✓		
40 Lt			5.3	298.0
20 Lt			5.0	298.3
✓ ℄			3.5	299.8

		303.30		
20 Rt			3.5	299.8
40 Rt			2.5	300.8
	20+50			
40 Rt			0.7	302.6
20 Rt			1.5	301.8
✓ ℄			1.7	301.6
20 Lt			2.7	300.6
40 Lt			3.4	2999
TP	12.60	315.34	0.58	302.74
	21+0	✓		
40 Lt			14.4	300.9
20 Lt.			14.3	301.0
✓ ℄			13.0	302.3
20 Rt			12.3	303.0
40 Rt			10.9	304.4
	21+50	✓		
40 Rt			10.0	305.3
20 Rt			11.4	303.9
✓ ℄			11.6	303.7
20 Lt.			12.5	302.8
40 Lt			13.4	301.9
	22+0	✓		
40 Lt			12.3	303.1
20 Lt			10.5	304.8
✓ ℄			10.2	305.1
20 Rt.			9.7	3056

		315.34		
40 Rt			8.4	306.9
	22+50			
40 Rt			6.2	309.1
20 Rt			7.4	307.9
℄			8.0	307.3
20 Lt			8.8	306.5
40 Lt			9.7	305.6
	23+0			
40 Lt			7.1	308.2
30 Lt			7.8	307.5
20 Lt			5.5	309.8
℄			5.1	310.2
20 Rt			4.6	310.7
40 Rt			4.1	311.2
	23+50			
40 Rt			1.7	313.6
20 Rt			1.9	313.4
℄			2.5	312.8
20 Lt			2.7	312.6
40 Lt			4.4	310.9
	24+0			
40 Lt			0.8	314.5
20 Lt			0.0	315.34
℄			0.2	315.1
TP	12.62	327.94	0.02	315.32
20 Rt			12.2	315.7

		327.94			
40 Rt			11.9	316.0	
	24+50				
40 Rt			9.8	318.1	
20 Rt			10.1	317.8	
℄			10.2	317.7	
20 Lt			11.2	316.7	
40 Lt			11.0	316.9	
	25+0				
40 Lt			8.7	319.2	
20 Lt			8.4	319.5	
BM			8.38	319.56	40 Lt 25+0 Iron Pipe
℄			8.0	319.9	
20 Rt			7.7	320.2	
40 Rt			8.2	319.7	
	25+50				
40 Rt			5.2	322.7	
20 Rt			5.1	322.8	
℄			5.6	322.3	
20 Lt			6.0	321.9	
40 Lt			6.7	321.2	
	26+0				
40 Lt			3.8	324.1	
20 Lt			3.8	324.1	
℄			3.2	324.7	
20 Rt			2.7	325.2	
40 Rt			2.3	325.6	

		327.94		
	26+50			
40' Rt.			0.7	327.2
20' Rt.			0.3	327.6
℄			0.8	327.1
20' Lt.			1.1	326.8
40' Lt.			1.1	326.8
TP	12.62	340.20	0.36	327.58
	26+90.48 ℄ Lt			
40' Lt.			11.2	329.0
20' Lt.			11.5	328.7
℄			11.2	329.0
20' Rt.			11.7	328.5
40' Rt.			13.2	327.0
	27+50			
40' Rt.			12.0	328.2
20' Rt.			9.6	330.6
℄			8.8	331.4
20' Lt.			7.8	332.4
40' Lt.			6.6	333.6
	28+0			
40' Lt.			5.3	334.9
20' Lt.			5.7	334.5
℄			6.1	334.1
20' Rt.			7.4	332.8
40' Rt.			10.0	330.2

		340.20		
	28+50			
40' Rt.			8.1	332.1
20' Rt.			5.1	335.1
℄			3.8	336.4
20' Lt.			3.9	336.3
40' Lt.			2.6	338.6
	29+0			
40' Lt.			0.1	340.1
20' Lt.			0.9	339.3
℄			2.2	338.0
20' Rt.			4.4	335.8
40' Rt.			6.6	333.6
	29+50			
40' Rt.			4.9	335.3
20' Rt.			2.0	338.2
TP	13.03	353.04	0.19	340.01
℄			11.8	341.2
20' Lt.			10.6	342.4
27' Lt.			10.8	342.2
29' Lt.			9.1	343.9
40' Lt.			8.8	344.2
	30+0			
40' Lt.			5.1	347.9
30' Lt.			5.6	347.4
28' Lt.			7.3	345.7
20' Lt.			6.6	346.4

353.04

℄		7.6	345.4
20 Rt		9.7	343.3
40 Rt		14.6	338.4
	30+42.26 B.C. Rt		
20 Rt		17.5	335.5
20 Rt		9.0	344.0
℄ on Hub		4.04	349.00
20 Lt		3.4	349.6
25 Lt		3.6	349.4
30 Lt		2.0	351.0
40 Lt		2.2	350.8
	30+65		
40 Lt		0.2	352.8
26 Lt		0.5	352.5
24 Lt		2.1	350.6
5 Lt		2.2	350.8
℄		4.0	349.0
20 Rt		10.7	342.3
40 Rt		22.0	331.0
	31+0		
40 Rt		18.8	334.2
20 Rt		9.4	343.9
℄		2.8	350.2
4 Lt		1.1	351.9
23 Lt		0.9	352.1
25 Lt		7.8	354.3

353.04

40 Lt		+2.0	355.0
TP=	12.97 364.66	1.35	351.69
	31+50		
40 Lt		6.0	358.7
35 Lt		6.7	358.0
28 Lt		9.3	355.4
2 Lt		9.4	355.3
℄		11.2	353.5
25 Rt		17.2	347.5
40 Rt		27.3	337.4
	31+69.88 EC.		
40 Rt		23.5	341.2
20 Rt		14.8	349.9
℄ on Hub		9.34	355.32
3 Lt		8.3	356.4
33 Lt		7.8	356.9
25 Lt		5.7	359.0
40 Lt		4.6	360.1
	32+0		
40 Lt		1.2	363.5
25 Lt		3.0	361.7
28 Lt		5.5	359.2
℄		7.4	357.3
25 Rt		12.0	352.7
40 Rt		17.1	347.6

		364.66		
	32+40			
40' Rt			15.6	349.1
25' Rt			9.1	355.6
↓			6.5	361.2
4 Lt			2.0	362.7
28 Lt			1.4	363.3
TP	12.60	377.07	0.19	364.47
25' Lt			11.4	365.7
40' Lt			11.0	366.1
	33+0			
40' Lt			5.6	371.5
37' Lt			8.8	368.3
34' Lt			7.0	370.1
27' Lt			6.8	370.3
23' Lt			8.6	368.5
↓			8.9	368.2
28' Rt			15.1	362.0
40' Rt			18.7	358.4
	33+50			
40' Rt			13.9	363.2
20' Rt			9.5	367.6
↓			3.9	373.2
28' Lt			3.0	373.2
21' Lt			5.4	371.7
34' Lt			2.6	374.5
40' Lt			1.3	375.8

		377.07		
TP	12.72	389.43	0.36	376.71
	34+0			
40' Lt			9.5	379.9
35' Lt			13.2	376.2
31' Lt			10.1	379.3
29' Lt			11.3	378.1
10' Lt			11.6	377.8
↓			15.0	374.4
23' Rt			20.1	369.3
40' Rt			23.3	366.1
	34+50 42.8 C. Rt			
40' Rt			19.0	370.4
B.M			14.12	375.31
20' Rt			14.7	374.7
↓			10.9	378.5
19 Lt			5.8	383.6
38' Lt.			5.9	383.5
40' Lt			4.2	385.2
	35+0			
40' Lt			0.1	389.3
28' Lt.			0.2	389.2
↓			3.9	385.5
20' Rt			9.2	380.2
40' Rt			8.4	381.4
TP	12.61	401.02	0.02	389.41

Pk. Nail 11' Rt 34+4

		402.02		
	35+50			
40' Rt.			9.8	392.2
20' Rt.			9.0	393.0
℄			9.8	392.2
20' Lt.			8.8	393.2
40' Lt.			8.4	393.6
	36+0			
40' Lt.			3.8	398.2
20' Lt.			5.4	396.6
℄			5.3	396.7
20' Rt.			5.1	396.9
40' Rt.			4.8	397.2
	36+50			
40' Rt.			0.9	401.1
20' Rt.			1.0	401.0
℄			1.2	400.8
20' Lt.			0.8	401.2
40' Lt.			0.5	401.5
TP	12.63	414.56	0.09	401.93
	37+0			
40' Lt.			9.1	405.5
20' Lt.			8.7	405.9
℄			9.0	405.6
20' Rt.			7.8	406.8
40' Rt.			7.8	406.8

		414.56		
	37+50			
40' Rt.			3.7	410.9
20' Rt.			3.5	411.1
℄			3.7	410.9
20' Lt.			3.8	410.8
40' Lt.			4.0	410.6
TP	12.74	427.14	0.16	414.40
	38+0			
40' Lt.			12.5	414.6
20' Lt.			11.7	415.4
℄			11.2	415.9
20' Rt.			10.1	417.0
40' Rt.			10.5	416.6
	38+50			
40' Rt.			5.7	421.4
20' Rt.			5.4	421.7
℄			5.5	421.6
20' Lt.			5.6	421.5
40' Lt.	37.18		6.8	420.3
	39+0			
40' Lt.			1.6	425.5
20' Lt.			1.5	425.6
℄			0.8	426.3
TP	12.98	440.07	0.05	427.09
20' Rt.			13.7	426.4
40' Rt.			14.2	425.9

	✓ 440.07		
	39+50		
40' Rt		9.6	430.5
25' Rt		8.9	431.2
✓ ℄		9.0	431.1
20' Lt		8.8	431.3
40' Lt		9.2	430.9
	40+0		
40' Lt		5.0	435.1
20' Lt.		4.2	435.9
7' Lt.		3.8	436.3
✓ ℄		4.9	435.2
20' Rt.		4.7	435.4
40' Rt		4.5	435.6
	40+50		
40' Rt		1.8	438.3
20' Rt		0.9	439.2
✓ ℄		0.0	440.1
20' Lt.		0.0	440.1
40' Lt.		0.5	439.6
TP	13.41	✓ 452.33 0.15	439.92
	41+0		
40' Lt		10.5	441.8
20' Lt		9.7	442.6
✓ ℄		8.9	443.4
20' Rt		9.9	442.4
40' Rt		10.4	441.9

	✓ 452.33		
	41+52.77 EC		
40' Rt		6.4	445.9
20' Rt		5.6	446.7
℄ on Hub		6.19	446.14
20' Lt		7.5	444.8
40' Lt		8.7	443.6
	42+0		
40' Lt		5.3	447.0
20' Lt		4.1	448.2
✓ ℄		3.0	449.3
20' Rt		2.7	449.6
40' Rt		3.1	448.9
TP	13.58	✓ 464.71 0.20	452.13
	42+50		
40' Rt		11.4	453.3
20' Rt		10.5	454.2
✓ ℄		10.0	454.7
20' Lt.		10.6	454.1
40' Lt.		12.2	452.5
	43+0		
40' Lt		3.6	461.1
20' Lt		3.7	461.0
✓ ℄		4.5	460.2
20 Rt		5.5	459.2
40' Rt		6.0	458.7
TP	12.14	477.97 0.88	463.83

	475.97		
	43+50		
40' Rt		12.0	464.0
20' Rt		11.7	464.3
℄		10.9	465.1
20' Lt		10.2	465.8
40' Lt		9.1	466.9
	44+0		
40' Lt		5.7	470.3
20' Lt		6.1	469.9
℄		6.8	469.2
20' Rt		5.7	470.3
40' Rt		5.5	470.5
	44+50		
40' Rt		2.3	473.7
20' Rt		2.2	473.8
℄		2.9	473.1
20' Lt		1.9	474.1
40' Lt		3.2	472.8
TP	12.61	488.39	0.19	475.78
	44+92.05 BC Lt.		
40' Lt		12.6	474.8
20' Lt		13.3	475.1
℄		13.7	474.7
20' Rt		13.0	475.4
BM		12.83	475.56
40'		12.7	475.7

07 H06
30' Rt 44+92.05

	488.39		
	45+0		
40' Rt		12.5	475.9
20' Rt		12.7	475.7
℄		13.3	475.1
20' Lt		12.6	475.8
40' Lt		13.0	475.4
	45+50		
40' Lt		9.1	479.3
20' Lt		9.8	478.6
℄		10.6	477.8
20' Rt		10.2	478.2
40' Rt		10.4	478.0
	46+0		
40' Rt		8.1	480.3
20' Rt		7.9	480.5
℄		8.3	480.1
20' Lt		7.2	481.2
40' Lt		7.2	481.2
	46+50		
40' Lt		4.8	483.6
20' Lt		4.9	483.5
℄		5.4	483.0
20' Rt		4.7	483.7
40' Rt		4.3	484.1

	48839			
	47+0			
40' Rt		0.4	488.0	
20' Rt		1.4	487.0	
℄		2.1	486.3	
20' Lt		1.2	487.2	
40' Lt		0.6	487.8	
TP	12.82	500.90	0.81	488.08
	47+50			
40' Lt		10.6	490.3	
20' Lt		10.4	490.5	
℄		11.5	489.4	
20' Rt		11.1	489.8	
40' Rt		11.2	489.7	
	48+0			
40' Rt		9.4	491.5	
20' Rt		9.2	491.7	
℄		9.9	491.0	
20' Lt		11.2	489.7	
40' Lt		13.6	487.3	
	48+50			
40' Lt		11.4	489.5	
20' Lt		9.3	491.6	
℄		8.5	492.4	
20' Rt		7.4	493.5	
40' Rt		7.1	493.8	

	500.90			
	49+0			
40' Rt		4.9	496.0	
20' Rt		4.9	496.0	
℄		5.2	495.7	
20' Lt		7.0	493.9	
40' Lt		7.2	493.7	
	49+41.04 EC			
40' Lt		3.1	497.8	
20' Lt		3.4	497.5	
℄		1.74	499.16	on Hub
20' Rt		1.7	499.2	
40' Rt		1.7	499.2	
TP	12.91	512.07	1.74	499.16
	50+0			
40' Rt		6.5	505.6	
20' Rt		6.0	506.1	
℄		6.1	506.0	
20' Lt		6.5	505.6	
40' Lt		7.1	505.0	
TP	7.74	518.77	1.04	511.03
	50+50			
40' Lt		8.2	510.6	
20' Lt		7.2	511.6	
℄		7.0	511.8	
20' Rt		6.8	512.0	
40' Rt		6.9	511.9	

Cont Page 68

Alignment Soledad Road

Feb. 14-84

62

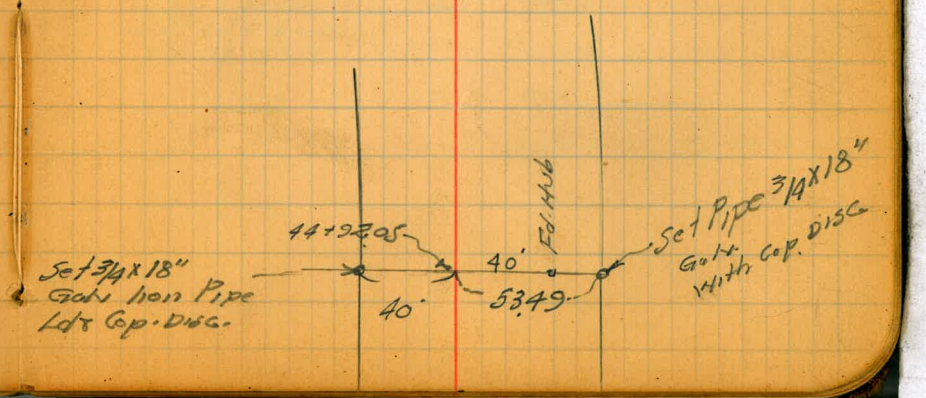
			Lt
51+0	P.O.T.		
49+41.04	E.C.		12°51.75'
49			11°41.22'
+50			10°15.29'
		Δ 25°43'30"	
48		P 1000.0'	8°49.33'
		T 238.34	
+50		L 448.99	7°23.39'
		D 1.7188	
47			5°57.44'
+50			4°31.50'
46			3°05.55'
+50			1°39.61'
45			0°13.67'
44+92.05	B.C.		

Ford From Pipe 46

Fd 2x2
8-22-47.

Fd 2x2

Fd 2x2 Hub P.I.



tr.+00.02				
			Lt.	
59+25.37 E.C			3° 18.50'	
		Δ 6° 37'		
59		R 1000.0	2° 34.89'	
		T 57.81		
+50		L 115.18	1° 08.94	
		D 1.7188		
58+09.89 B.C				

1947

Set 2" x 2" Hub 2-8-49

Fd. finish nail

Fd. Hub, Set New Hub 5-5-52 C.B.W.

Fd

Fd. Hub & Tack = P.I.
Set 3/4 X 18" Galv. Pipe With Ld & Disc.
5-5-52 C.B.W.

Fd

Fd.

			Lt.	
75+00.13	E.C.		7°17.50'	
				See P-37 for slight Change in Ties.
+50			5°51.34'	
		Δ 14°35'		
74		R 1000.0	4°25.39'	
		T 127.96		
+50		L 254.53	2°59.45'	
		D 1.7188		
73			1°33.51'	
72+45.60	BC			

℄

Fd 2x2 ☐← 40 →

Fd 2x2 ☐← 40 →
8-22-47.

Lt.

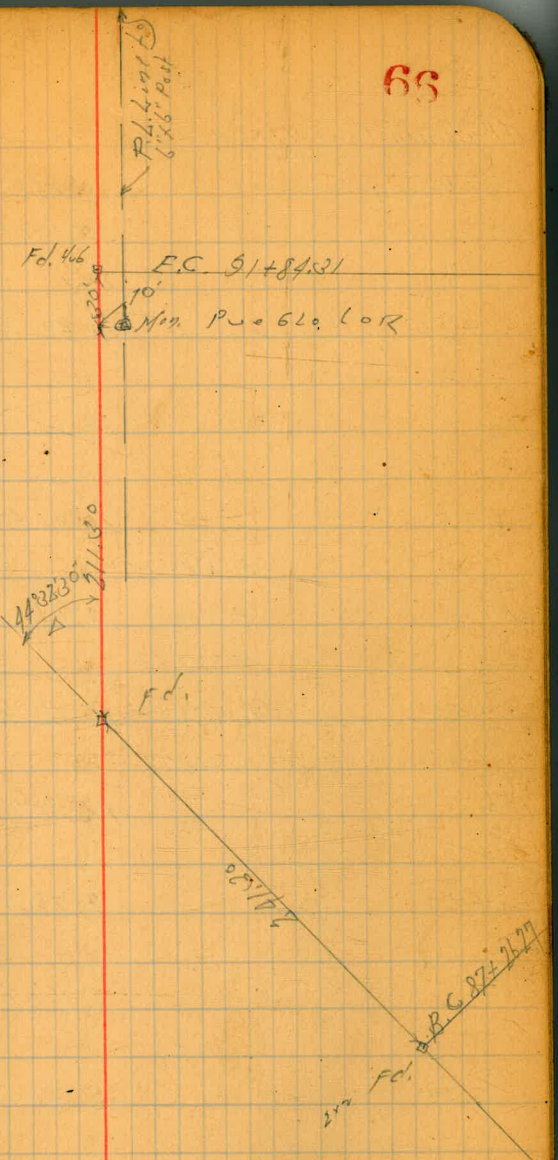
84+09.48	EC		18°38.25'	
84			18°21.96'	
+50			16°56.21'	
83			15°30.07'	See P-37 for slight change in Ties
+50		Δ 37°16'30"	14°04.12'	
82		R 1000.0	12°38.18'	
+50		T 337.26	11°12.24'	
81		L 650.57	9°46.29'	
+50		D 1.7188	8°20.35'	
80			6°54.40'	
+50			5°28.46'	
79			4°02.52'	
+50			2°36.57'	
78			1°10.63'	
77+58.91	CC			

Fd 2x2 ☐

○ Fd. Con. Mon. P.I.

Fd 2x2 ☐

			Rt.	
91+84.31	E.C.		22°16.25'	✓
+50			20°36.15'	
91			18°16.28'	✓
		Δ 44°32'30"		✓
+50		R 588.20	15°44.42'	
		T 241.30		
90		L 458.04	13°18.55'	✓
		D 2.9173		
+50			10°52.69'	
89			8°26.82'	✓
+50			6°00.96'	
88			3°35.09'	✓
+50			1°09.23'	
87+26.27	B.C.			



Alignment Cont. 12.91 Page 44

		Lt.	
109+15.32 E.C.		30°24.75'	
109		29°32.07'	
+50		26°40.18'	
108		23°48.30'	✓
+50		20°56.41'	
	Δ60°49'30"		
107	R 500.0	18°04.53'	✓
	T 293.48		
+50	L 530.80	15°12.64'	
	D 3.43.77		
106		12°20.76'	✓
+50		9°28.87'	
105		6°36.99'	✓
+50		3°45.10'	
104		0°53.22'	
103+84.52 B.C.			

Line changed
12.91 - L9

Fd. 2x2 ◻

60 49 30
29° 41' 30"
31-08-00

◻ Fd. P.I. Con. Mon.

Fd 2x2 ◻

Ford Page 61 518.77

✓ 51+0 P.O.T

40' Rt			5.7	513.1
20' Rt			5.8	513.0
✓ ℄ on Hub			5.60	513.17
20' Lt			6.2	512.6
40' Lt			6.5	512.3
	✓ 51+50			
40' Lt			6.4	512.4
20' Lt			6.1	512.7
✓ ℄			5.3	513.5
20' Rt			5.1	513.7
40' Rt			5.0	513.8
	✓ 52+0			
40' Rt			5.5	513.3
20' Rt			5.7	513.1
✓ ℄			5.9	512.9
20' Lt			6.1	512.7
40' Lt			6.4	512.4
	✓ 52+50			
40' Lt			6.6	512.2
20' Lt			6.3	512.5
✓ ℄			6.7	512.1
20' Rt			6.3	512.5
40' Rt			6.4	512.4

✓ 518.77

53+0

40' Rt			7.4	511.4
20' Rt			7.3	511.5
✓ ℄			7.1	511.7
20' Lt			6.2	512.6
40' Lt			5.0	513.70
	✓ 53+50			
40' Lt			3.6	515.2
20' Lt			4.4	514.4
✓ ℄			6.3	512.5
20' Rt			6.9	511.9
40' Rt			7.6	511.2
	✓ 54+0			
40' Rt			6.7	512.1
20' Rt			5.6	513.2
✓ ℄			4.2	514.6
20' Lt			2.5	516.3
40' Lt			1.7	517.1
TP	12.27	✓ 526.16	4.88	513.28
	54+50			
40' Lt			6.8	519.4
20' Lt			8.4	517.8
✓ ℄			10.0	516.2
20' Rt			11.5	514.7
40' Rt			12.8	513.4

			514.2
			516.2
			516.8
			519.1
			520.8
			520.8
			519.3
			517.4
			516.5
			514.6
			515.6
			516.9
			517.7
			519.2
			520.2
			519.8
			517.9
			517.8
			516.4
			515.3

		9.6	516.6
		9.0	517.2
		8.6	517.6
		7.4	518.8
		6.6	519.6
		5.6	520.6
		6.8	519.4
		7.5	518.7
		8.0	518.2
		8.5	517.7
		6.5	519.7
		6.5	5197
		5.60	520.56
		5.0	521.2
		2.9	523.3
		0.7	525.5
		3.0	523.2
		4.4	521.8
		5.1	521.1
		5.8	520.6
TP	12.89	2.27	523.89

536.78

14.2	521.4
14.0	522.8
12.4	524.4
10.3	526.5
9.4	527.4
8.6	528.2
9.8	527.0
11.2	525.6
12.5	524.3
12.9	523.9
12.0	524.8
11.3	525.5
9.5	527.3
8.7	528.1
8.4	528.4
7.9	528.9
7.9	528.9
8.2	528.6
9.1	527.7
10.9	525.7

536 78

9.2	527.6
7.9	528.9
7.1	529.7
7.2	529.6
8.0	528.8
7.6	529.2
7.0	529.8
6.4	530.4
6.1	530.7
7.1	529.7
5.7	531.1
5.4	531.4
5.8	531.0
6.7	530.1
7.3	5295
6.3	530.5
5.8	531.0
5.2	531.6
4.3	532.5
4.0	532.8

536.78

62+50

40' Rt	3.6	533.2
20' Rt	3.8	533.0
℄	4.8	532.0
20' Lt	5.8	531.0
40' Lt	6.7	530.1

63+0

40' Lt	6.7	530.1
20' Lt	6.3	530.5
℄	5.2	531.6
20' Rt	3.6	533.2
40' Rt	3.6	533.2

63+50

40' Rt	3.6	533.5
20' Rt	4.6	532.2
℄	6.2	530.6
20' Lt	6.6	530.2
40' Lt	7.5	529.3

64+0

40' Lt	6.1	530.7
20' Lt	7.5	529.3
℄	7.0	529.8
20' Rt	6.5	530.3
40' Rt	5.4	531.4

536.78

64+50

40' Rt	7.8	529.0
20' Rt	7.7	529.1
℄	7.8	529.0
20' Lt	5.8	531.0
40' Lt	4.3	532.5

65+0

40' Lt	3.4	533.4
20' Lt	4.7	532.1
℄	7.0	529.8
20' Rt	8.0	528.8
40' Rt	9.2	527.6
TP	11.42 544.48	533.06

65+50

40' Rt	17.1	527.4
20' Rt	15.4	529.1
℄	13.3	531.2
20' Lt	10.7	533.8
40' Lt	8.1	536.4

66+0

40' Lt	4.3	540.2
20' Lt	8.0	536.5
℄	14.4	533.1
20' Rt	14.4	530.1
40' Rt	15.2	529.3

544.48

66+50

40 Rt.	14.0	530.5
20 Rt.	12.0	532.5
℄	9.2	535.3
20 Lt.	6.3	538.2
40 Lt.	2.9	541.6

67+0

40 Lt.	3.3	541.2
20 Lt.	5.4	539.1
℄	8.2	536.3
20 Rt.	10.3	534.2
40 Rt.	12.5	532.0

67+50

40 Rt	10.2	534.3
20 Rt.	9.2	535.3
℄	6.9	537.6
20 Lt	4.9	539.6
40 Lt	3.4	541.1

68+0

40 Lt	3.1	541.4
20 Lt	4.8	539.7
℄	7.2	537.3
20 Rt	9.8	534.7
40 Rt.	11.0	533.5

544.48

68+50

40 Rt	11.7	532.8
20 Rt	10.0	534.5
℄	8.4	536.1
20 Lt.	6.1	538.4
40 Lt.	4.2	540.3

69+0

40 Lt.	5.5	539.0
20 Lt	7.5	537.0
℄	9.6	534.9
20 Rt	9.9	534.6
40 Rt.	11.2	533.3

69+50

40 Rt	13.1	531.4
20 Rt.	11.2	533.3
℄	9.1	535.4
20 Lt.	7.6	536.9
40 Lt	5.7	538.8

70+0

40 Lt	7.0	537.5
20 Lt	8.3	536.2
℄	9.8	534.7
20 Rt	11.3	532.6
40 Rt	13.2	531.3

70+50

40 Rt.	14.8	529.7

	544.48			
20' Rt		12.8	531.7	
↓ ⊥		11.2	533.3	
20' Lt.		10.8	533.7	
40' Lt.		9.3	535.2	
	71+0			
40' Lt.		10.3	534.2	
20' Lt.		12.1	532.4	
↓ ⊥		12.8	531.7	
20' Rt		14.2	530.3	
40' Rt.		15.7	528.8	
	71+50			
40' Rt		14.8	529.7	
20' Rt		13.8	530.7	
↓ ⊥		12.6	531.9	
20' Lt		11.8	532.7	
40' Lt.		10.8	533.7	
	72+0			
40' Lt		9.8	534.7	
20' Lt		11.2	533.3	
↓ ⊥		11.6	532.9	
20' Rt.		12.0	532.5	
40' Rt.		12.2	532.3	
	72+45.60 B.C. Lt			
40' Rt		8.2	536.3	
20' Rt		7.7	536.8	
↓ ⊥		8.2	536.3	

	544.48			
20' Lt		7.7	536.8	
40' Lt		7.2	537.3	
	73+0			
40' Lt.		3.1	541.4	
20' Lt		2.5	542.0	
↓ ⊥		3.8	540.7	
20' Rt.		3.0	541.5	
40' Rt.		2.8	541.7	
TP	10.08	552.30	2.26	542.22
	73+50			
40' Rt		8.7	543.6	
20' Rt		8.7	543.6	
↓ ⊥		8.7	543.6	
20' Lt		7.7	544.6	
40' Lt		7.0	545.3	
	74+0			
40' Lt		4.4	547.9	
20' Lt		5.1	547.2	
↓ ⊥		7.1	545.2	
20' Rt		8.3	544.0	
40' Rt		9.1	543.2	
	74+50			
40' Rt		10.4	541.9	
20' Rt		8.5	543.8	
↓ ⊥		6.6	545.7	
20' Lt		4.4	547.9	

	552.30		
40'Lt		3.8	549.5
	75+00.13 - P.C.		
40'Lt		3.0	549.3
20'Lt		4.5	547.8
℄		7.5	544.8
20'Rt		8.8	543.5
40'Rt		11.1	541.2
	75+50		
40'Rt		13.2	539.1
20'Rt		10.4	541.9
℄		8.5	543.8
20'Lt		6.3	546.0
40'Lt		3.8	548.5
	76+00		
40'Lt		3.1	549.2
20'Lt		5.7	546.6
℄		7.8	544.5
20'Rt		10.5	541.8
40'Rt		13.8	538.5
	76+50		
40'Rt		9.5	542.8
20'Rt		8.0	544.3
℄		6.0	546.3
20'Lt		4.1	548.2
40'Lt		2.0	550.3

Feb 23-84

552.30

	77+00		
40'Lt		1.4	550.9
20'Lt		3.8	548.5
℄		4.1	548.2
20'Rt		6.4	545.9
40'Rt		8.7	543.6
	77+58.91 - B.C. Lt.		
40'Rt		5.5	546.8
20'Rt		4.7	547.6
℄		2.77	549.53 02+06
20'Lt		1.2	551.1
40'Lt		0.0	552.3
TP	356 561.77	0.09	552.21
	78+00		
40'Lt		8.4	552.4
20'Lt		9.0	552.8
℄		10.5	551.3
20'Rt		12.0	549.8
40'Rt		13.4	548.4
	78+50		
40'Rt		10.9	550.9
20'Rt		9.4	552.4
℄		8.0	553.8
20'Lt		7.5	554.3
40'Lt		7.6	554.2

561.77

79+0		
40 Lt	7.6	554.2
20 Lt	6.8	555.0
℄	6.7	555.1
20 Rt	7.1	554.7
40 Rt	8.0	553.8
79+50		
40 Rt	5.0	556.8
20 Rt	5.2	556.6
℄	5.7	556.1
20 Lt	7.2	554.6
40 Lt	8.3	553.5
80+0		
40 Lt	8.4	553.4
20 Lt	6.9	554.9
℄	4.6	557.2
20 Rt	2.8	559.0
40 Rt	1.8	560.0
80+50		
40 Rt	1.4	560.4
20 Rt	2.5	559.3
℄	4.4	557.4
20 Lt	6.2	555.6
40 Lt	8.8	553.0
81+0		
40 Lt	10.0	551.8

561.77

75

20 Lt	8.3	553.5
℄	5.5	556.3
20 Rt	3.6	558.2
40 Rt	2.2	559.6
BM	1.00	~~560.77~~ 560.67 on P.I. Reset
81+50		
40 Rt	4.4	557.4 with Mon.
20 Rt	5.5	556.3
℄	7.3	554.5
20 Lt	9.1	552.7
40 Lt	11.3	550.5
82+0		
40 Lt	11.1	550.7
20 Lt	8.4	553.4
℄	6.7	555.1
20 Rt	5.2	556.6
40 Rt	2.7	559.1
82+50		
40 Rt	1.0	560.8
20 Rt	1.8	560.0
℄	3.9	557.9
20 Lt	7.1	554.7
40 Lt	9.8	552.0
83+0		
40 Lt	6.8	555.0
20 Lt	4.6	557.2

		561.77			
TP	12.62	574.27	0.12	561.65	
℄			13.5	560.8	
20' Rt			11.3	563.0	
40' Rt			9.3	565.0	
	83+50				
40' Rt			7.6	566.7	
20' Rt			9.0	565.3	
℄			11.5	562.8	
20' Lt			13.2	561.1	
40' Lt			13.0	561.3	
	84+09.48 EC				
40' Lt			6.7	567.6	
20' Lt			7.0	567.3	
℄			8.47	565.80	on HC
20' Rt			5.6	568.7	
40' Rt			5.5	568.8	
	84+50				
40' Rt			3.7	570.6	
20' Rt			3.6	570.7	
℄			3.7	570.6	
20' Lt			4.0	570.3	
40' Lt			4.1	570.2	
	85+0				
40' Lt			2.7	571.6	
20' Lt			1.5	572.8	
℄			1.8	573.0	

		574.27			
20' Rt			1.5	572.8	
40' Rt			0.7	573.6	
TP	12.93	587.04	0.16	574.11	
	85+50				
40' Rt			11.0	576.0	
20' Rt			12.4	574.6	
℄			12.9	574.1	
20' Lt			13.3	573.7	
40' Lt			13.9	573.1	
	86+0				
40' Lt			12.3	574.7	
20' Lt			11.6	575.4	
℄			11.9	575.1	
20' Rt			10.4	576.6	
40' Rt			10.3	576.7	
	86+50				
40' Rt			8.9	578.1	
20' Rt			9.5	577.5	
℄			10.0	577.0	
20' Lt			11.0	576.0	
40' Lt			11.5	575.5	
	87+0				
40' Lt			11.1	575.9	
20' Lt			10.2	576.8	
℄			9.3	577.7	
20' Rt			8.3	578.7	

587.04

40' Rt		7.5	579.5	
	87+26.27 B.C. Pt			
40' Rt		6.8	580.2	
20' Rt		7.5	579.5	
↓ Δ		8.92	578.12	
20' Lt		9.8	577.2	
40' Lt		10.9	576.1	
	87+50			
40' Lt		10.8	576.2	
20' Lt		9.8	577.2	
↓ Δ		8.5	578.5	
20' Rt		7.4	579.6	
40' Rt		6.0	581.0	
	88+0			
40' Rt		4.2	582.8	
20' Rt		5.6	581.4	
↓ Δ		7.4	579.6	
20' Lt		8.7	578.3	
40' Lt		11.1	575.9	
	88+50			
40' Lt		9.7	577.3	
20' Lt		7.3	579.7	
↓ Δ		4.6	582.4	
20' Rt		3.2	583.8	
40' Rt		1.7	585.3	
TP	12:18	598.87	0.85	586.69

598.87

	89+0		
40' Rt		11.2	587.7
20' Rt		12.5	586.4
↓ Δ		14.7	584.2
20' Lt		16.7	582.2
40' Lt		17.8	581.1
	89+50		
40' Lt		15.6	583.3
20' Lt		13.5	585.4
↓ Δ		11.5	587.4
20' Rt		9.2	589.7
40' Rt		7.1	591.8
	90+0		
40' Rt		5.2	593.7
20' Rt		7.9	591.0
↓ Δ		12.8	586.1
20' Lt		17.3	581.6
40' Lt		21.5	577.4
	90+50		
40' Lt		19.5	579.4
20' Lt		15.0	583.9
↓ Δ		10.2	588.7
20' Rt		4.4	594.5
35' Rt		0.6	598.3
	91+0		
40' Rt		+4.0	602.9

		598.87			
20' Rt			0.3	598.6	
✓ ℄			5.6	593.3	
20' Lt			11.0	587.9	
40' Lt			16.2	582.7	
		91+50 ✓			
40' Lt			13.1	585.8	
20' Lt			8.8	590.1	
✓ ℄			2.6	595.3	
TP	8.62	606.19	1.30	597.57	0.7 Rt. Mon 10' Rt 91+54
20' Rt			6.3	599.9	
40' Rt			3.0	603.2	
		91+84.31 EC ✓			
40' Rt			2.8	603.4	
20' Rt			6.2	600.0	
✓ ℄			10.0	596.2	
20' Lt			15.3	590.9	
40' Lt			20.0	586.2	
		92+0 ✓			
40' Lt			20.1	586.1	
20' Lt			16.0	590.2	
✓ ℄			10.6	595.6	
20' Rt			6.3	599.9	
40' Rt			2.9	603.3	
		92+50 ✓			
40' Rt			4.1	602.1	
20' Rt			7.1	599.1	

606.19

✓ ℄		11.3	594.9	
20' Lt		15.8	590.4	
40' Lt		20.2	586.0	
	93+0 ✓			
40' Lt		17.8	588.4	
20' Lt		14.2	592.0	
✓ ℄		9.2	597.0	
20' Rt		5.7	600.5	
40' Rt		2.5	603.7	
	93+50 ✓			
40' Rt		2.0	604.2	
20' Rt		4.5	601.7	
✓ ℄		7.1	599.1	
20' Lt		11.4	594.8	
40' Lt		14.9	591.3	
	94+0 ✓			
40' Lt		14.3	591.9	
20' Lt		8.8	597.4	
✓ ℄		4.4	601.8	
20' Rt		2.1	604.1	
40' Rt		0.6	605.6	
	94+50 ✓			
40' Rt		3.0	603.2	
20' Rt		1.8	604.4	
✓ ℄		3.7	602.5	
20' Lt		7.6	598.6	

606.19

40' Lt	12.5	593.1	
95+0			
40' Lt	10.6	595.6	
20' Lt	6.5	599.7	
✓ ℄	3.7	602.5	
20' Rt	2.7	603.5	
40' Rt	3.9	602.3	
95+50			
40' Rt	4.4	601.8	
20' Rt	3.7	602.5	
✓ ℄	3.7	602.5	
20' Lt	5.8	600.4	
40' Lt	10.0	596.2	
96+0			
40' Lt	8.0	598.2	
20' Lt	5.0	601.2	
✓ ℄	2.7	603.5	
20' Rt	3.2	603.0	
40' Rt	4.3	601.9	
96+50			
40' Rt	3.6	602.6	
20' Rt	2.7	603.5	
✓ ℄	2.0	604.2	
20' Lt	4.0	602.2	
40' Lt	6.7	599.5	

606.19

79

97+0			
40' Lt	9.4		596.8
20' Lt	6.8		599.4
✓ ℄	5.0		601.2
20' Rt	4.2		602.0
40' Rt	5.7		600.5
97+50			
40' Rt	9.0		597.2
20' Rt	6.8		599.4
✓ ℄	5.2		601.0
20' Lt	5.7		600.5
40' Lt	7.7		598.5
98+0			
40' Lt	3.7		602.5
20' Lt	3.8		602.4
✓ ℄	4.1		602.1
20' Rt	6.3		599.9
40' Rt	9.8		596.4
98+50			
40' Rt	5.3		600.9
20' Rt	4.2		602.0
✓ ℄	2.4		603.8
20' Lt	1.0		605.2
40' Lt	1.3		604.9
TP	12.84	618.85	606.01

		618.85		
	99+0			
40' Lt			10.0	608.9
20' Lt			10.5	608.4
✓ ℄			10.3	608.6
20' Rt			11.7	607.2
40' Rt		✓	13.6	605.3
	99+50			
40' Rt			10.5	608.4
20' Rt			7.2	611.7
✓ ℄			4.3	614.6
20' Lt.			5.0	613.9
40' Lt.			5.4	613.5
TP	13.01	631.50	0.36	618.49
	✓ 100+0			
40' Lt			12.6	618.9
20' Lt			12.3	619.2
✓ ℄			12.1	619.4
20' Rt			13.7	617.8
40' Rt		✓	14.6	616.9
	100+50			
40' Rt			6.8	624.7
20' Rt			6.7	624.8
℄			7.3	624.2
20' Lt			7.4	624.1
40' Lt			7.8	623.7

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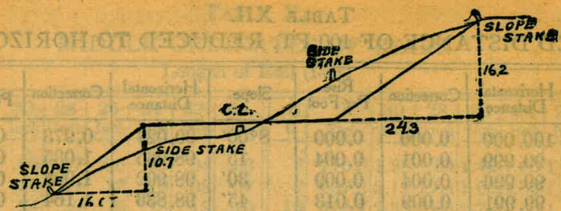
IMPROVED TABLES AND INFORMATION

.00044



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1½ TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0 00	0 15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1 65	1 80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3 45	3.60	3 75	3.90	4.05	4.20	4 35	2
3	4.50	4 65	4.80	4.95	5 10	5 25	5 40	5.55	5.70	5.85	3
4	6.00	6 15	6.30	6.45	6.60	6 75	6.90	7.05	7.20	7.35	4
5	7 50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9 00	9 15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10 65	10.80	10.95	11.10	11.25	11.40	11.55	11 70	11.85	7
8	12.00	12 15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13 50	13 65	13 80	13 95	14.10	14.25	14.40	14 55	14.70	14.85	9
10	15.00	15 15	15 30	15 45	15.60	15.75	15.90	16.05	16.20	16 35	10
11	16 50	16 65	16 80	16.95	17 10	17.25	17.40	17.55	17.70	17.85	11
12	18 00	18 15	18.30	18 45	18.60	18 75	18.90	19.05	19.20	19 35	12
13	19 50	19 65	19.80	19.95	20.10	20.25	20 40	20.55	20.70	20.85	13
14	21.00	21 15	21.30	21.45	21 60	21.75	21.90	22 05	22 20	22 35	14
15	22 50	22 65	22 80	22 95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24 15	24 30	24 45	24.60	24.75	24 90	25 05	25.20	25.35	16
17	25.50	25 65	25.80	25 95	26.10	26 25	26 40	26.55	26.70	26.85	17
18	27.00	27 15	27.30	27 45	27.60	27.75	27.90	28.05	28 20	28.35	18
19	28 50	28 65	28 80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30 00	30 15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31 50	31 65	31.80	31.95	32 10	32 25	32.40	32.55	32 70	32 85	21
22	33 00	33 15	33 30	33 45	33.60	33 75	33.90	34.05	34.20	34.35	22
23	34 50	34 65	34.80	34.95	35.10	35 25	35 40	35.55	35.70	35 85	23
24	36.00	36 15	36.30	36 45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37 80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39 00	39 15	39.30	39 45	39 60	39.75	39.90	40.05	40.20	40.35	26
27	40 50	40 65	40 80	40.95	41.10	41.25	41 40	41.55	41.70	41.85	27
28	42 00	42 15	42.30	42.45	42.60	42 75	42.90	43.05	43.20	43.35	28
29	43 50	43 65	43.80	43 95	44.10	44 25	44 40	44.55	44.70	44 85	29
30	45 00	45 15	45.30	45 45	45.60	45.75	45.90	46.05	46 20	46.35	30
31	46.50	46.65	46.80	46 95	47.10	47 25	47.40	47.55	47.70	47.85	31
32	48 00	48.15	48.30	48 45	48.60	48 75	48.90	49.05	49 20	49.35	32
33	49 50	49 65	49.80	49.95	50.10	50.25	50.40	50.55	50 70	50.85	33
34	51 00	51.15	51.30	51.45	51.60	51 75	51.90	52.05	52.20	52.35	34
35	52 50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54 00	54 15	54.30	54 45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55 50	55 65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57 45	57.60	57 75	57.90	58.05	58.20	58 35	38
39	58 50	58.65	58 80	58.95	59.10	59 25	59.40	59 55	59.70	59.85	39
40	60 00	60 15	60 30	60 45	60 60	60.75	60 90	61.05	61 20	61.35	40
41	61.50	61 65	61 80	61 95	62 10	62 25	62.40	62 55	62 70	62.85	41
42	63 00	63.15	63 30	63.45	63 60	63 75	63 90	64 05	64 20	64.35	42
43	64.50	64 65	64 80	64.95	65.10	65 25	65 40	65.55	65.70	65.85	43
44	66 00	66 15	66.30	66.45	66.60	66.75	66.90	67.05	67.20	67.35	44
45	67 50	67 65	67 80	67.95	68.10	68.25	68 40	68.55	68.70	68.85	45
46	69 00	69 15	69 30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70 50	70 65	70 80	70 95	71.10	71.25	71 40	71.55	71.70	71.85	47
48	72.00	72 15	72.30	72.45	72.60	72.75	72.90	73 05	73.20	73 35	48
49	73 50	73 65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

Computed by L. Leland Locke.

3.65 w.

.00198
264) .365
264
1010
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1.40 - 14-05
7.00 - 3-25

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699 62

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585
8.190

829
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2487
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2.51

2690
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1811
138
14488
5433
1811
2.49918