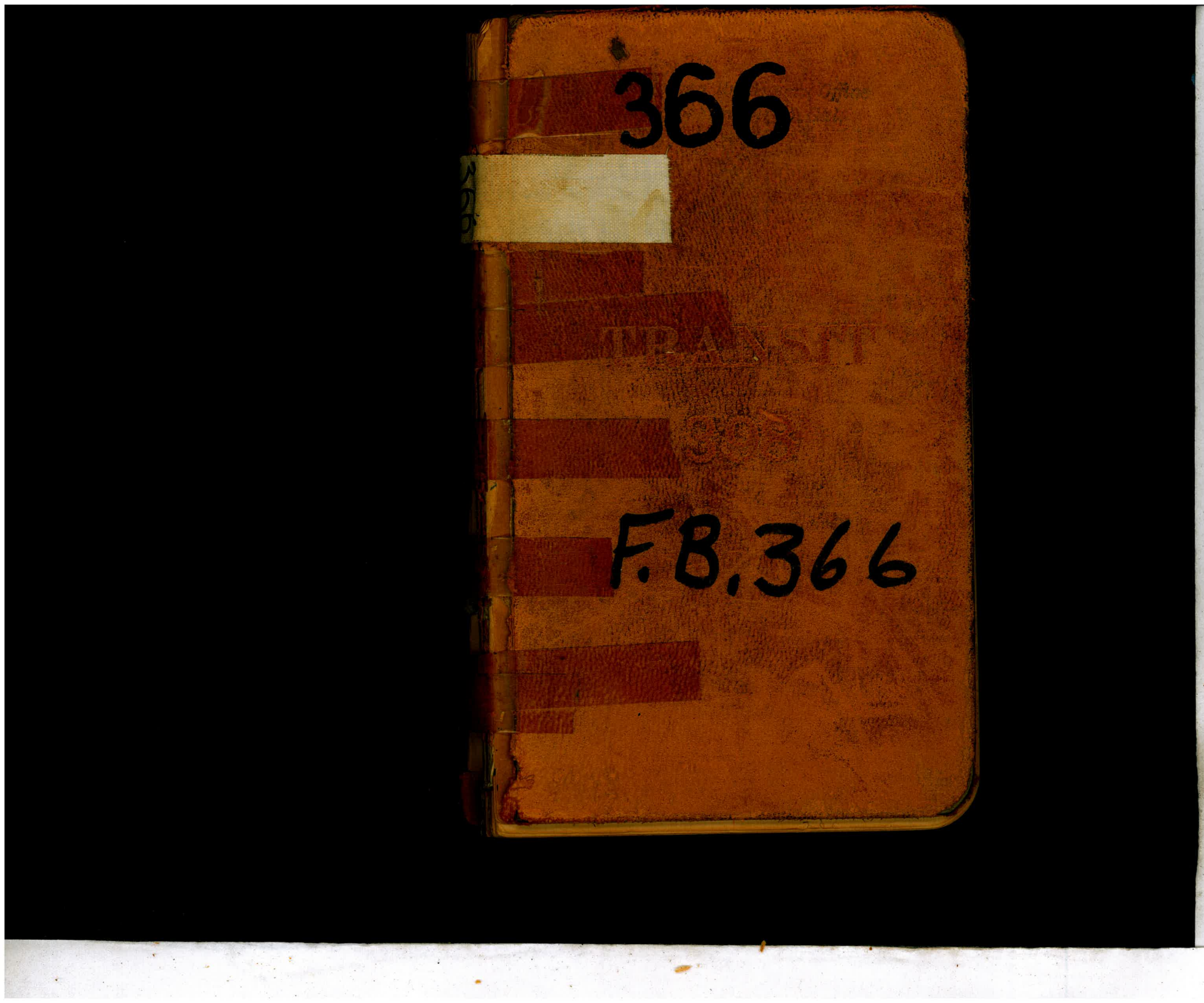

366
F.B.366

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	2⅓	21	49	41	95⅔
2	4⅔	22	51⅓	42	98
3	7	23	53⅔	43	100⅓
4	9⅓	24	56	44	102⅔
5	11⅔	25	58⅓	45	105
6	14	26	60⅔	46	107⅓
7	16⅓	27	63	47	109⅔
8	18⅔	28	65⅓	48	112
9	21	29	67⅔	49	114⅓
10	23⅓	30	70	50	116⅔
11	25⅔	31	72⅓	51	119
12	28	32	74⅔	52	121⅓
13	30⅓	33	77	53	123⅔
14	32⅔	34	79⅓	54	126
15	35	35	81⅔	55	128⅓
16	37⅓	36	84	56	130⅓
17	39⅔	37	86⅓	57	133
18	42	38	88⅔	58	135⅓
19	44⅓	39	91	59	137⅔
20	46⅔	40	93⅓	60	140

TABLE FOR RUNNING ON SLOPES.

MICROFILMED

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.

1964

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

366

1 2

Change in Ft. Stockton Blvd.
Total 11+00 "C" Line

+96.2 - 25° 32' L
+50
6+00
+50
5+00
+50
4+00
+60
+50
+40
+30
3+00
+50
2+00
+50
1+00
+50 - 36° 29' R
0+00 "A" Line = 6+35 "E" Line.

from sta. 6+35 "E" Line
Feb 21/10 { Childs, Barber, Taylor } 2

= sta. 11+00 "C" Line

"I" Line

+33.13 sta. on old line ±

11+00

+50

10+00

+50

9+00

+50

8+00

+83.2 Δ 63°24' R

+50

7+00

+50

6+00

+50

5+00

+50

4+00

+50

3+00

+50

2+00

+50

1+00

+50

0+00 26°33' R

"I" Line

Feb 21/10

{Childs
Barber
Taylor

3

center ℄ Walnut
& Truss

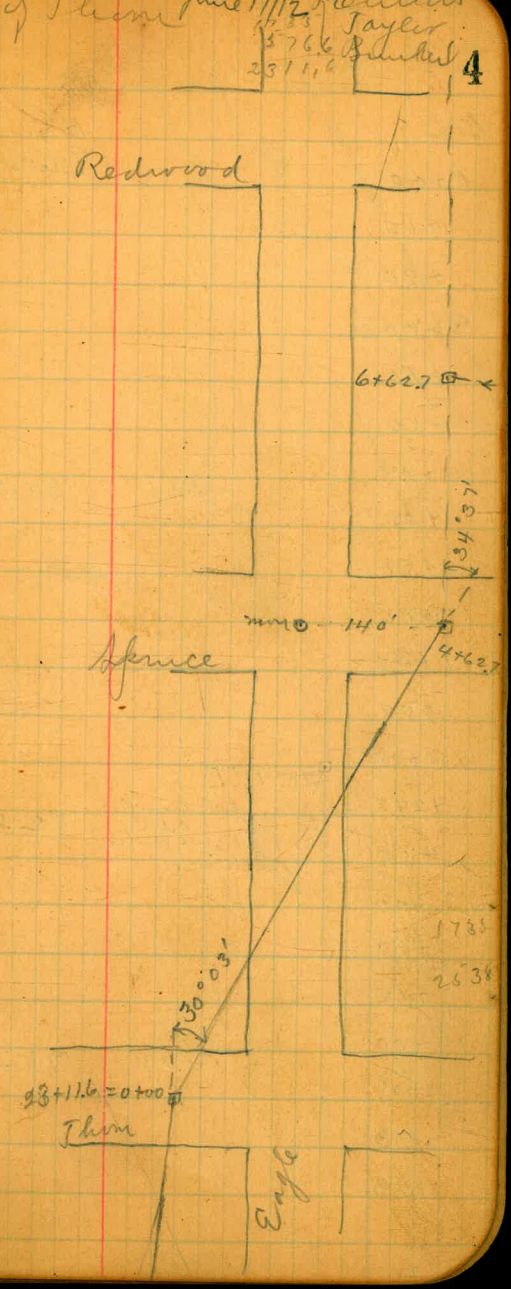
center walnut &
ampudia

= Sta 12+26.1 "F" line

Brick yard Canyon (west Branch) from center of Thom June 17/12 Childs Taylor Bunker

South.

Sta.		H.I.	Rod	Elev.
0+00	30° 03' R. = Sta. 23+11.6 on old line near center of Thom & 86' East of Eagle See Book 351 Page 49	117.20	0.50	116.70
+35			8.9	
+50			9.9	
1+00			12.4	
J.P. +50	0.82	105.22	12.80	104.40
			3.2	
2+00			5.1	
+50	See Book 351 page 49		8.3	
3+00			9.1	
+50			11.5	
+60			14.3	
+68			11.0	
4+00			11.5	
+50			12.6	
+62.7	34° 37' L angle lot line bet. Eagle & Falcon 2.11 & center of Spruce	94.40	12.93	92.29
J.P. +80			3.8	90.6
5+00			3.3	91.1
+50			3.4	91.0
6+00			5.6	88.8
+50			2.9	91.5
+62.7	hub side road to west.		2.25	92.15
7+00			3.5	90.9
+50			5.2	89.2

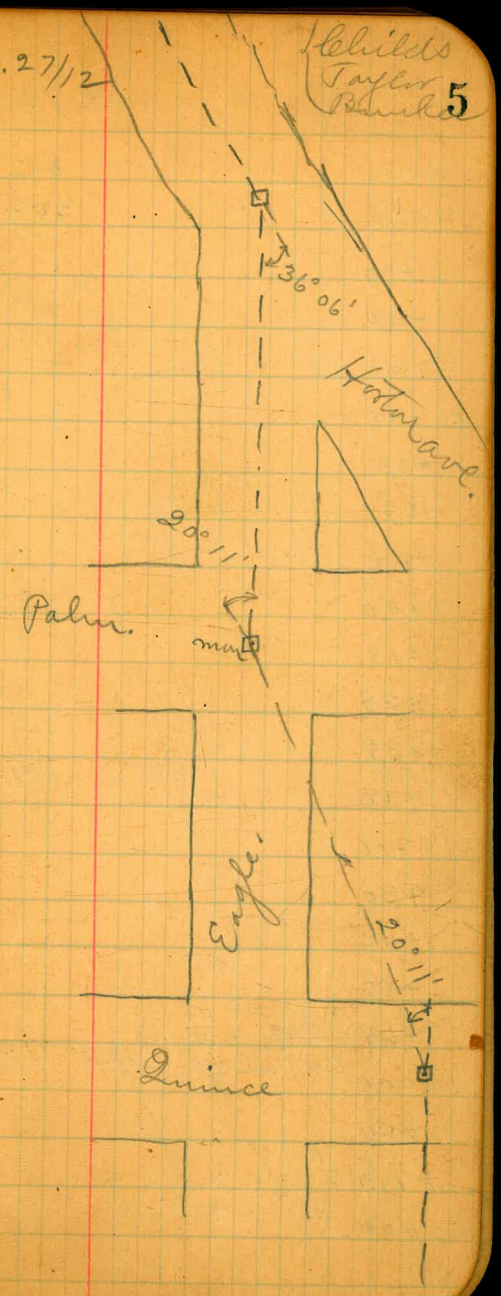


Cont. from page 4

Sta.			H.I.	Rod	Elev.
8+00			94.40	7.9	86.5
+50				11.2	83.2
+90				13.1	81.3
9+00				11.7	82.7
+10				10.2	84.2
+50				10.9	83.5
10+00				12.6	81.8
T.P.		2.66	84.08	12.98	81.42
+50				6.3	77.8
+80				8.1	76.0
+85				7.2	76.9
11+00				6.8	77.3
+50				5.0	79.1
12+00				2.2	81.9
+24.3	20° 11' L angle lot line bet. Eagle & Falcon center of Quince	0.55	82.42	2.21	81.87
+50				2.4	80.0
13+00				5.0	77.4
+35				8.2	74.2
+50				10.2	72.2
14+00				12.7	69.7
T.P.		4.73	75.43	11.72	70.70
+08				7.6	67.8
+13				6.4	69.0
+23				1.7	73.7

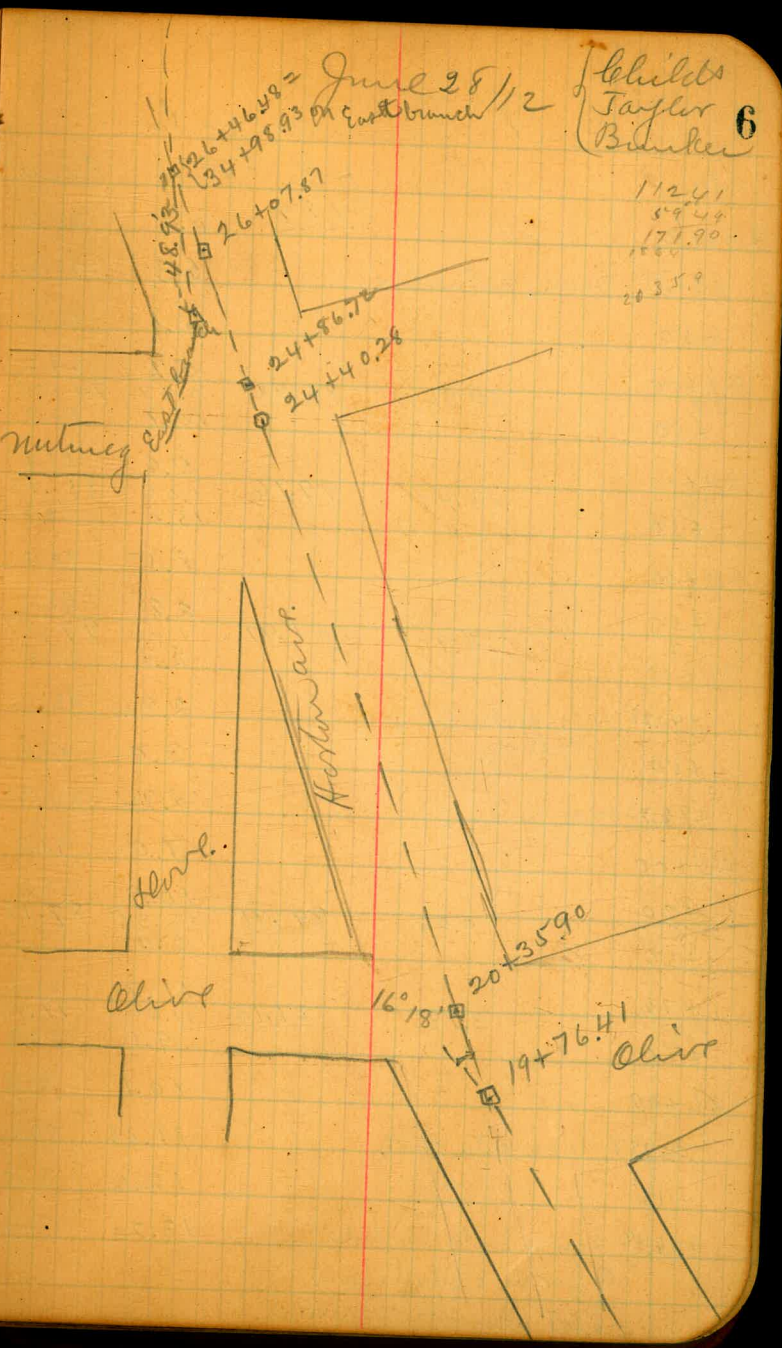
June. 27/12

Childs
Taylor
Bunker



cont. from page 5

Sta.		H.I.	Rod	Elev.
14+50		75.43	3.1	72.3
15+00			5.3	70.1
+50			8.9	66.5
+60			10.9	64.5
16+00			11.4	64.0
+03			2.7	72.7
+29.8	20° 11' R angle Center of		2.95	72.5
+50	Palm + Eagle		5.3	70.1
17+00			9.3	66.1
+18			11.7	63.7
+29			14.1	61.3
+39			13.0	62.4
T.P.		5.93	11.87	63.56
+50		69.49	6.5	63.0
18+00			8.3	61.2
+30			8.5	61.0
+45			6.2	63.3
+50			6.4	63.1
+64	36° 06' L angle Center of	12.66	7.26	62.23
19+00	Hoffman + Eagle	74.89	11.3	63.6
+50			10.8	64.1
+76.41	16° 18' R angle Center of		10.29	64.6
20+00	Hoffman + Olive		10.0	64.9



Cont. from page 6

Sta.		H.I.	Rod	Elev.
20+12		74.89	6.3	68.6
+35.90 mon. center alive			6.3	68.6
+50			6.1	68.8
21+00			5.7	69.2
T.P.	12.96	86.98	0.87	74.02
+50			10.1	76.9
22+00			5.6	81.4
T.P.	13.24	99.16	1.06	85.92
+50			15.0	84.2
23+00			8.5	90.7
+50			2.8	96.4
T.P.	3.90	101.47	1.59	97.57
24+00			2.0	99.5
+40.28 mon. center of Nutmeg.			2.80	98.7
+50			3.0	98.5
+86.72 mon. center of Nutmeg.			5.76	95.7
25+00			7.0	94.5
+30			10.9	90.6
T.P.	0.29	89.41	12.35	89.12
+50			5.0	84.4
+76			11.7	77.7
T.P.	3.18	81.15	11.44	77.97
+80			9.1	72.0
26+00			10.1	71.0
+07.87 mon. center Dove.			11.06	70.1
+16			12.6	68.5
+46.48 sewer hub. center of Horton & Blvd. from East branch of Canyon.			13.20	67.95

June 29/12 { Childs, Taylor, Bunker 7

3861
26 08 65
26 47 26

40438
4644
45082

2440.28
46 44
2486 72

X Sect. Front upas to walnut.

50' street #1 10' sidewalks

5.50 246.71 241.21

A	no. line upas.		
E line		4.4	42^{3}
		4.5	
		5.0	
C		5.6	41^{1}
		5.9	
		6.5	
W. line		7.0	239^{7}
	25' no.		
W line		7.4	39^{3}
		6.0	
		5.6	
C		5.4	41^{3}
		4.8	
		4.4	
E line		3.5	43^{2}

July 22/12 { Childs Taylor Otten

	50 no.		
E. line		3.5	43^{2}
		4.2	
		4.6	
C		5.1	41^{6}
		5.1	
		5.4	
W line		6.3	240^{4}
	59' no. (pueblo line)		
W line		6.3	40^{4}
W cb.	mar-	5.50	
		4.9	
C		5.0	41^{7}
		4.6	
		3.8	
E line		2.9	43^{8}
	75' no.		
E line		3.0	43^{7}
		3.8	
		4.5	
C		4.6	42^{1}
		4.9	
		5.3	
W line		6.2	40^{5}

246,71

100' no.

White			5.7	41°
			5.1	
			4.6	
C			4.0	42 7
			4.1	
			3.6	
Elite			2.8	43 9
	125' no.			
Elite			2.1	44 6
			2.7	
			3.2	
C			3.3	43 4
			3.6	
			3.6	
White			4.3	24 4
S.P.	6.21	252.08	0.84	245.87

252,08

150' north

White	7.5	244 6
	7.6	
	7.0	
C	5.9	46 3
	5.8	
	6.1	
Elite	5.2	46 9
So. line Walnut about 166'		
Elite	1.6	50 5
	1.9	
	2.8	
C	2.7	49 4
	2.1	
	2.1	
White	2.0	250 1

July 23/12 { Child Taylor Otten

25' wide

		H.I.		
	0.14	241.35		241.21

10' west of mon. & West line Front for 50' Street

No. line		0.9	240.4
C —		1.1	240.2
So line		1.6	239.7

30' west

Old west line of Front.

	H.I.		
So. line	241.35	3.7	237.6
C —		3.7	237.6
No. line		2.4	239.0

50' west

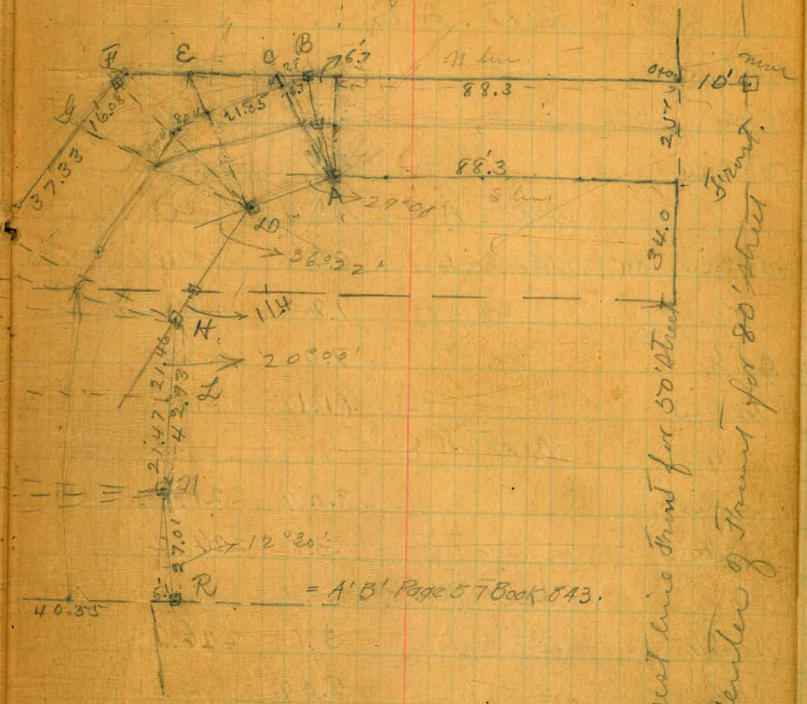
No. line		9.6	231.7
C		10.4	231.0
So. line		7.8	233.5
J.P.	1.48	229.99	228.51

75' west

So line	8.1	221.9
C	8.3	221.7
No. line	6.3	223.7

88.3' west angle.

No. line	4.2	225.8
C	7.6	222.4
So line	11.1	218.9



241.21 B.M. on mon. on pueblo line & Center old Front.

229.99 230.0

Sect. A B.

So. line	11.1	218.9
C	7.3	222.7
No. line	2.7	227.3

Sect A C (50' wide)

on pueblo line	0.9	229.1
C	1.8	228.2
So. 1/4	7.0	223.0
So line	11.1	218.9

Sect D E

So. line	8.09	221.90
So. 1/4	3.8	226.2

Sect D. F.

So. 1/4	3.1	226.9
So. line	8.09	221.9

Sect D. G

So line	8.09	221.9
So 1/4	4.1	225.9

Sect H. I.

C	4.4	225.6
E 1/4	9.5	220.5
E line	14.3	215.7

229.99

Sect. H J

E line	14.3	215.7
E 1/4	9.5	220.5
C	4.82	225.17

Sect H K

C	5.7	224.3
E 1/4	10.2	219.8
E. line	14.3	215.7
	H.I. −0.02 225.15	225.17

Sect. L M.

C	3.6	221.5
E 1/4	9.1	216.0
E line	14.7	210.4

Sect N. O

E line	13.7	211.4
E 1/4	8.2	217.0
C	3.0	222.1

Sect N P

C	2.80	222.3
E 1/4	8.2	217.0
E line	13.7	211.4

Sect N Q.

E line	13.7	211.4
E 1/4	8.0	217.1
C	2.0	223.1

225.15

Sect R.S.

℄			4.4	220.7
E 1/4 for 50' street			9.4	215.7
E line for 40' street			13.0	212.1
E line for 50' street			15.1	210.0
T.P.	13.02	H.I. 238.01	0.16	224.99
T.P.	6.90	H.I. 244.93	-0.02	238.03

Sect 29 E.

C	13.7	231.2
n 1/4	9.4	235.5
pueblo line	7.3	237.6

Sect 20 F

no. line	0.44	244.5
no. 1/4	6.8	238.1
C.	12.69	232.24

Sect 20 G.

C	14.5	230.4
no 1/4	6.5	238.4
no. line	4.6	240.3

Sect H.I.

w line	6.4	238.5
w. 1/4	13.1	231.8

244.93

11 1/2

Sect HJ

W 1/4	14.5	230.4
w line	6.4	238.5

Sect H.K

w line	6.8	238.1
w 1/4	15.5	229.4

Sect L.M.

w line	11.5	233.4
w 1/4	18.3	226.6

Sect N.O.

w 1/4	16.3	228.6
west line	10.9	234.0

Sect. N.P.

west line	11.20	233.7
w. 1/4	16.0	228.9

Sect N.Q.

w 1/4	15.6	229.3
w. line	11.5	233.4

Sect R.S.

west line 50' street	12.71	232.2
west line 40' street	14.0	230.9
w 1/4 50' street	18.2	226.7

Leveles over center line of road
in brickyard canyon.

July 26/12 { Childs, Taylor, Otten

Sta. 0+00 = Sta. 12+00	0.74	H.I. 222.64	221.90		
0+00 on former notes				3.55	219.09
+50				6.7	15.9
+80 angle 13° 20' R				9.75	212.89
1+00				9.0	13.6
+50				13.3	09.3
J.P.	0.18	H.I. 209.98		12.84	209.80
+75				4.8	205.2
2+00				2.5	7.5
+25				1.6	8.4
+50				5.8	4.2
+58.82 angle 12° 53' L				7.10	202.88
+71				11.2	198.8
J.P.	0.17	197.74		12.41	197.57
3+00				2.0	95.5
+50				7.8	87.9
+83.09 angle 3° 29' 20" R				12.28	185.46
J.P.	0.57	186.03		2.6	183.4
4+00				8.1	77.9
+50				11.8	74.2
5+00	1.39	175.37		12.05	173.98
J.P.				1.4	74.0
+50				2.9	72.5
6+00				5.8	69.6
+50				8.2	67.2
7+00				10.1	65.4
+50					

Cont. from page 12

sta		H.I.		
7+75		175.37	12.2	162.2
8+00			8.3	67.1
+02.02 angle 30°27' L			7.70	67.67
J.P.	2.27	165.19	12.45	162.92
+50			0.0	65.2
9+00			2.5	62.7
+03.91 angle 22°00' R			3.50	61.7
+50			6.0	59.2
10+00			9.6	55.6
J.P.	1.72	154.35	12.56	152.63
+41.91 angle 6°50' R			0.66	153.69
+50			0.2	54.2
11+00			4.9	49.4
+50			8.6	47.7
+91.91 angle 20°10' R			10.23	144.12
J.P.	1.52	145.64		
12+00			1.4	44.2
+50			3.0	42.6
+77			7.1	38.5
13+00			7.9	37.7
+50			9.1	36.5
+71.91 angle 28°42' L			10.38	135.26
14+00			12.6	32.0
J.P.	0.20	133.72	12.12	133.52
+50			3.8	29.9
15+00			5.4	28.3

July 26/12 { Childs, Taylor, Otten

July 27/12 Childs Taylor Otten

Cont. from page 13

Sta.			H.I. 133.72		
15+50				6.8	126.9
16+00				9.8	23.9
T.P.		0.57	121.89	12.40	121.32
+22				3.7	118.2
+50				4.2	117.7
17+00				6.7	115.2
+11.91	angle 11° 00' R			7.69	114.20
+50				9.3	112.6
18+00				11.7	110.2
T.P.		1.21	111.36	11.74	110.15
+50				5.1	106.3
19+00				11.5	99.9
T.P.		3.26	102.71	11.91	99.45
+50				4.3	98.4
20+00				4.6	98.1
+10.91	angle 6° 50' R			5.25	97.46
T.P.		0.64	98.10		
+50				2.5	95.6
21+00				5.0	93.1
+50				6.9	91.2
22+00				8.4	89.7
+50				9.4	88.7
23+00				10.6	87.5
+50				11.8	86.3
24+00				11.3	86.8
+50				12.8	85.3

J.P. Sta.	Cont. from page 14	0.40	Ht. 85.91	12.59	85.57
25+00				1.6	84.3
+50				2.0	83.9
26+00				3.9	82.0
+50				6.2	79.7
27+00				7.5	78.4
+50				7.0	78.9
28+00				8.8	77.1
+50				10.0	75.9
+66				10.1	75.8
J.P. +75		0.64	74.00	12.55	73.36
				3.2	70.8
29+00				3.3	70.7
+46.91	angle 20°00' L			2.77	71.23
+50				3.3	70.7
+60				5.2	68.8
+95.84	hub. junct. of blods			6.03	67.97
30+00				6.1	67.9
+50				6.5	67.5
31+00				6.4	67.6
+04.61	angle 40°03 R			6.31	67.69
+50				7.1	66.9
32+00				7.4	66.6
+21				8.0	66.0

48.99
29 46.91
95.84

157.7
29 46.91
31 04.61
2925
3397.11

24°43'

Cont. from page 15

Sta.		H.I. 74.00		
32+28			10.8	63 2
+38			9.1	64 9
+50			9.3	64 7
33+00			8.4	65 6
+50			0.6	73 4
+97.11	angle		2.1	71 9

West line Union
center of Maple.

Change in west Boulevard from center of Eagle & Horton to center of State & Maple. Aug 5/12 {Childs Taylor Otten

Sta.		H.I.		
0+00	center of Eagle	67.38	5.15	62.23
+30	& Horton		7.0	60.4
+50	back right		7.0	60.4
+62	along center		5.4	62.0
1+00	Eagle		3.5	63.9
+50			4.0	63.4
2+00			2.9	64.5
+20			1.5	65.9
+25			11.1	56.3
+50			9.4	58.0
+85			8.3	59.1
3+00			10.1	57.3
+15			10.6	56.8
+25			7.8	59.6
+37			10.5	56.9
+40			12.1	55.3
+50			10.7	56.7
4+00			10.8	56.6
+05	15°35' R		10.85	56.53
P.C. +35		5.17	9.0	52.7
+50		61.70	7.3	54.4
5+00			5.5	56.2

Cont. from page 17

Aug 8/12 { Childs, Taylor, Otten

Sta.		H.I.		
5+04		61.70	7.4	54.3
+07			10.8	50.9
+50			10.4	51.3
6+00			10.0	51.7
+35			10.2	51.5
+50			11.9	49.8
7+00			13.3	48.4
+28			14.1	47.6
+45			11.1	50.6
+50			9.1	52.6
8+00			8.7	53.0
+12			6.2	55.5
+50			4.4	57.3
J.P. 9+00	4.63	65.06	1.27	60.43
+31			3.6	61.5
+50			3.0	62.1
10+00			3.4	61.7
+50			5.9	59.2
+61.75 35° 25' L			7.1	58.0
11+45.10 mon. center of Maple + State			7.06	58.0
			11.68	53.3

1864
1629.8
234.2
405.0
639.2
3926.1
4565.3
656.75
5222.05

10

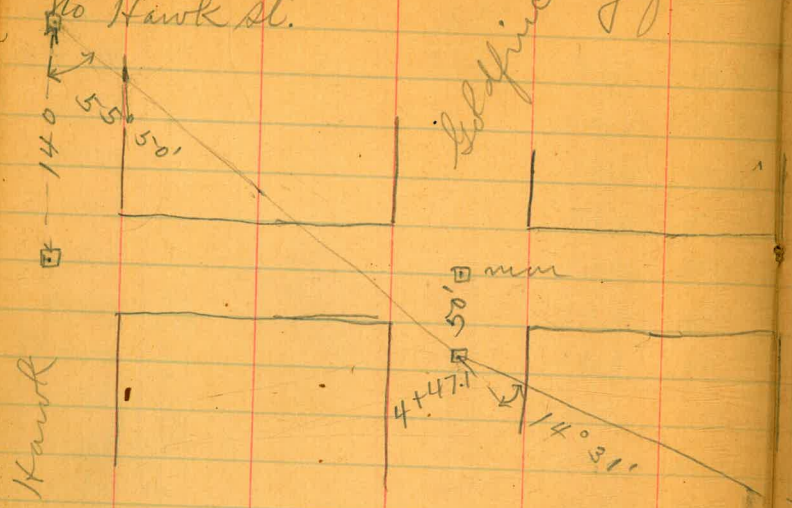
1105.10

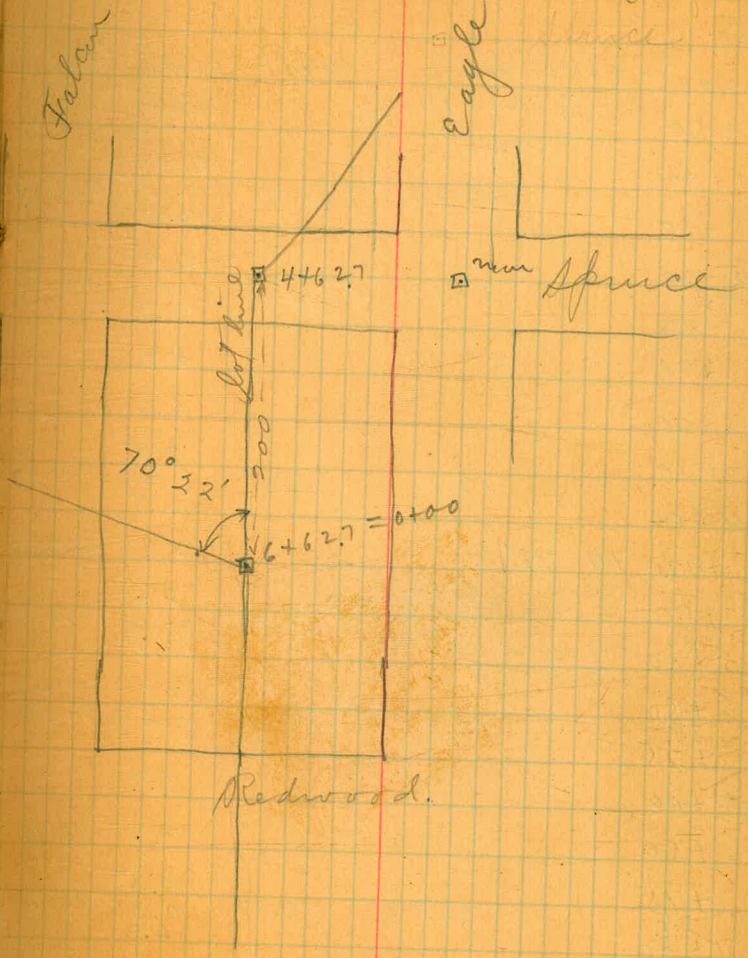
7 oar

52654

Branch road starting from 6+62.7 on main road to Hawk St.

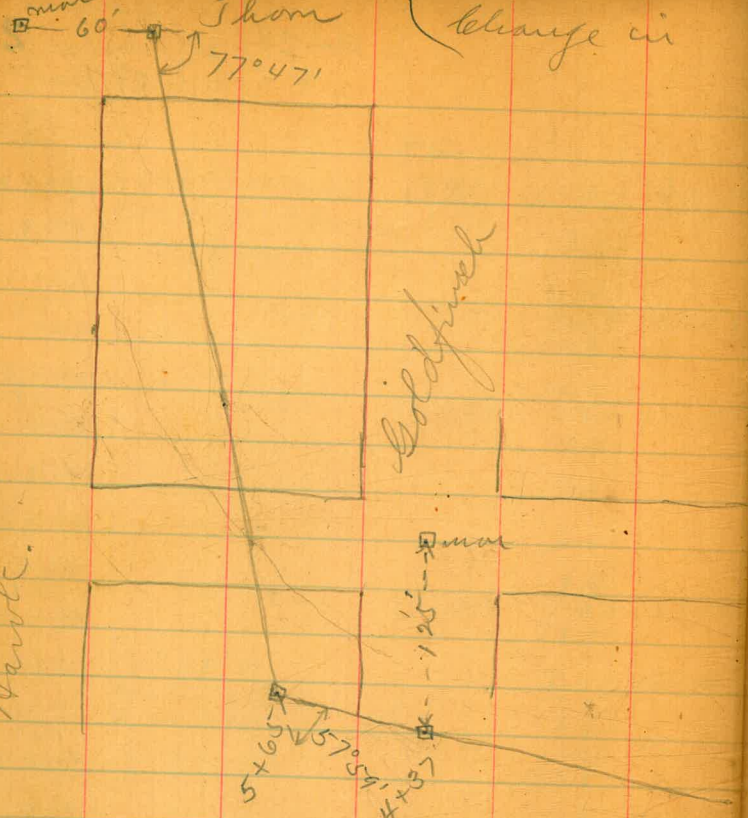
aug 8/12 { Childs, Taylor, Otten





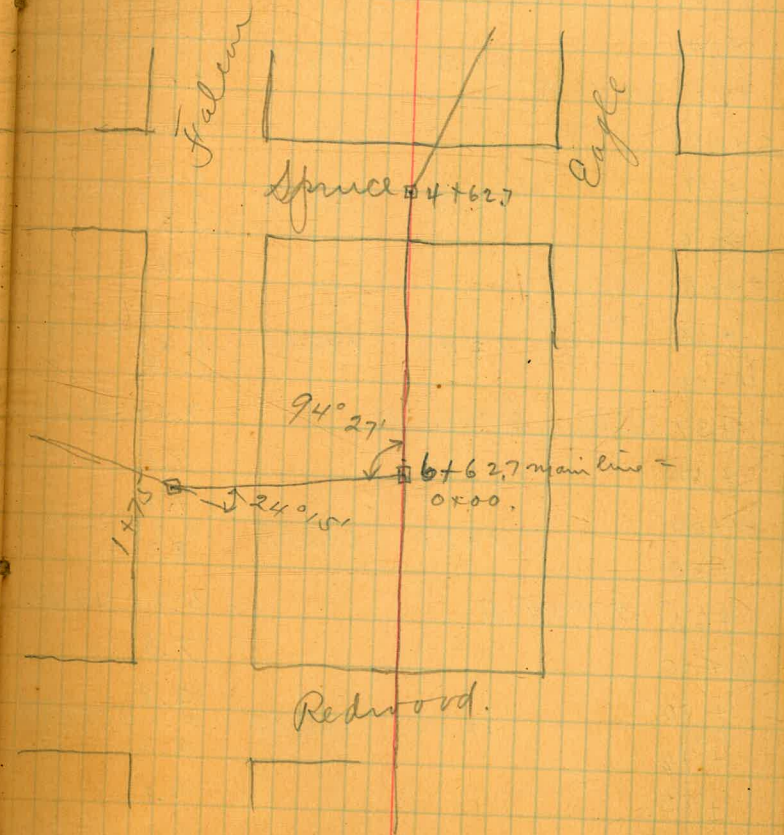
aug. 8/12 { Childs, Taylor, Otten

Sta.			H.I.		
0+00	= 6+62.7 on main road dun Canyon See page 4		104.11	11.96	92.15
+50				9.7	
1+00				6.4	
T.P.		12.80	116.81	0.10	104.01
+50				12.6	
2+00				4.0	
T.P.		13.02	129.59	0.24	116.57
+50				11.8	
+80				9.3	
3+00				6.6	
+50				3.8	
T.P.		13.01	141.20	1.40	128.19
4+00				12.1	
+47.1	14° 31' R.			8.01	133.19
+50	center of Goldfinch +50' South of center of Spruce			7.4	
T.P.		12.92	154.09	0.03	141.17
5+00				11.8	
+50				4.3	149.8
T.P.		13.01	166.81	0.29	153.80
+75				11.0	
6+00				7.9	
+50				4.4	162.4
+75				0.5	
T.P.		12.92	179.37	0.36	166.45
7+00				6.3	
+25				1.1	
T.P.		11.39	190.48	0.28	179.09
+50				7.7	182.8
+86.4	55° 50' R. center of Hawk + 140' north center of Spruce.			2.39	188.09



Change in road see page 19 & 20

Aug. 9/12 { Childs, Taylor, Otten



aug 10/12 { Childs Taylor Otten

Sta.			H.I.		
0+00	=6+62.7 on main road down canyon See page 45		104.18	12.03	92.15
+40				10.4	93.8
+50				10.2	
1+00				6.8	97.4
+50				1.7	
T.P. +75	24°15' R	12.91	116.44	0.65	103.53
				8.90	107.54
2+00				10.1	
+39				0.7	
T.P. +50		12.37	128.50	0.31	116.13
				12.3	
3+00				8.8	
+50				6.3	
T.P. 4+00		12.96	140.81	0.65	127.85
				11.8	
+37	Center of Goldfinch			7.06	133.75
+50				5.6	
5+00				1.8	
T.P. +50		12.90	153.63	0.08	140.73
				8.8	
+65	57°59' R			5.91	147.72
6+00				7.3	
+50				2.8	
T.P. +76		12.80	165.89	0.24	153.39
				8.3	
+83				9.1	
7+00				6.0	

Cont. from page 22

Sta		H.I. 165.89		
7+14			1.1	
T.P.	13.02	178.54	0.37	165.52
+50			4.8	
T.P.	12.95	191.11	0.38	178.16
8+00			9.7	
+50				
T.P.			2.5	
9+00	12.76	203.31	0.56	190.55
T.P.			8.2	
+50	12.93	216.84	0.40	202.91
			12.3	
10+00			4.5	211.3
+38.78	77°47' L		0.11	
+50			0.9	214.9
+98.78	Mon center of Thom & Hawk.		4.18	211.66

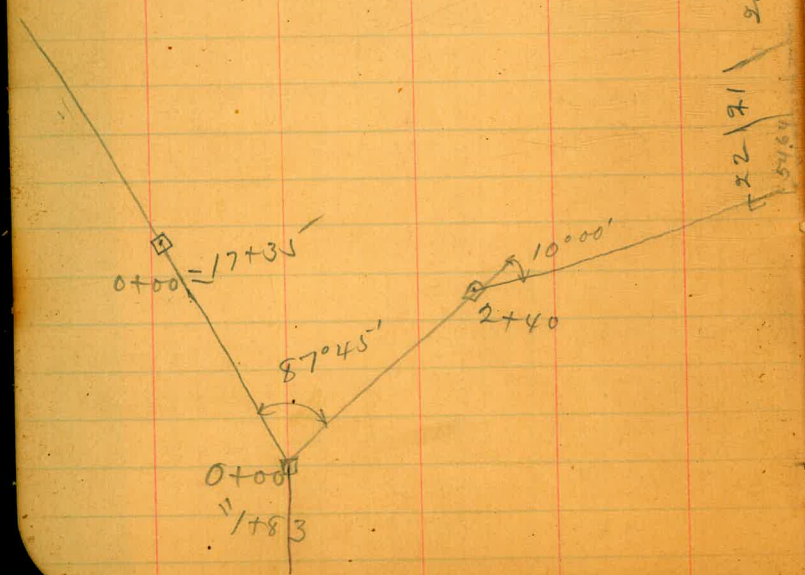
Road Survey from Sta.
to. Center Hawley.

Sta.			H.I.		
0+00			121.98	11.28	110.70
+50				9.1	
1+00				7.2	
+50				4.4	
2+00				1.0	
+40	10°00'R			1.39	120.59
+50				2.7	
3+00				3.8	
+50				3.8	
J.P.		12.96	133.73	1.21	120.77
4+00				11.2	
+50				3.8	
J.P.		7.46	140.25	0.94	132.79
5+00				6.7	
+41.9	34°14'L			2.14	138.11

0+00 Book 351 page 61
Aug 12/12 { Childs, Taylor, Otten

87°45'

Cont from page 24



0.70

0.59

0.77

2.79

38.11

Aug. 13/12 { Childs, Taylor, Otten

Notes for Curves at Front + Upas Street Canyon.

Sta 0+30 = 238.7 Grade
8.3 % Grade.

+24 56 P.T. = 25°00'
ch = 24 51
2+00 17° 58'
ch = 24 95
+75 10° 48'
ch = 24 95
+50 3° 38'
ch = 12 68
+37 29 P.C.C 24°00'
ch = 12.24
+25 16° 58'
ch = 24 76
1+00 2° 38'
ch = 4.6
0 + 95.4 P.C.
+75
+50
+30 → Grade = 238.7
+25

→ Grade 222.55

T = 46' 63
Δ = 50° 00'
R = 100'

T = 22' 26
Δ = 48° 00'
R = 50'

T_2 = 98' 33
Δ = 98° 00'
T_1 = 75' 55

0+00 = New west line of Front St 30' E. of old W line.
241.2 = yr.

8) 8.3
1.04

241.21
0.87
2.08

Aug 14/12 Childs
238.7 Tayeon
7.88 Alten
230.82 Bunker
1.04
231.86
1.04
232.90

230.82
1.04
229.78

95
8.3
285
760
7.885

8.3
75
415
581
6.225
7885
14.11

232.24
9.84
242.08 H.I.
7.1
234.9
9.4
232.6
1.9
1354
228.5

6.3
235.8

2456
125
12.06
83
3678
9648
130098

238.7
14.11
224.59 — 2+00

223.55 = 2+12½
222.55 = 2+24 56

225.63
1.04
226.67
1.04
227.71
1.04
228.75

9.8
232.3
225.6
6.7

6.9
235.2

226.67 = 1+75
227.71 = 1+62½
228.75 = 1+50
235.2
6.5

10.3
231.8
224.6
7.2

9.5
232.6
223.6
9.0

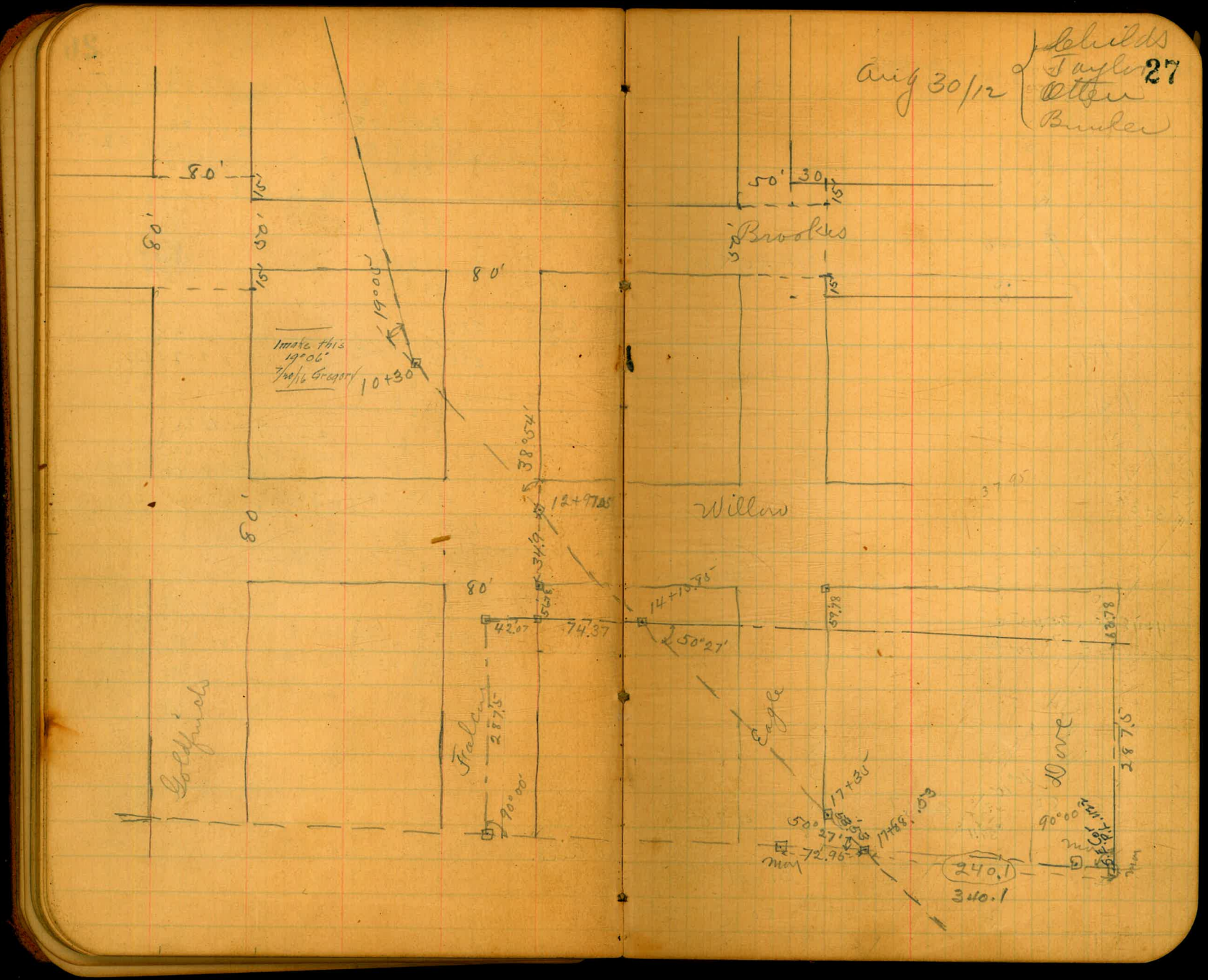
232.6
222.6
10.0

7.8
234.3
226.7
7.6

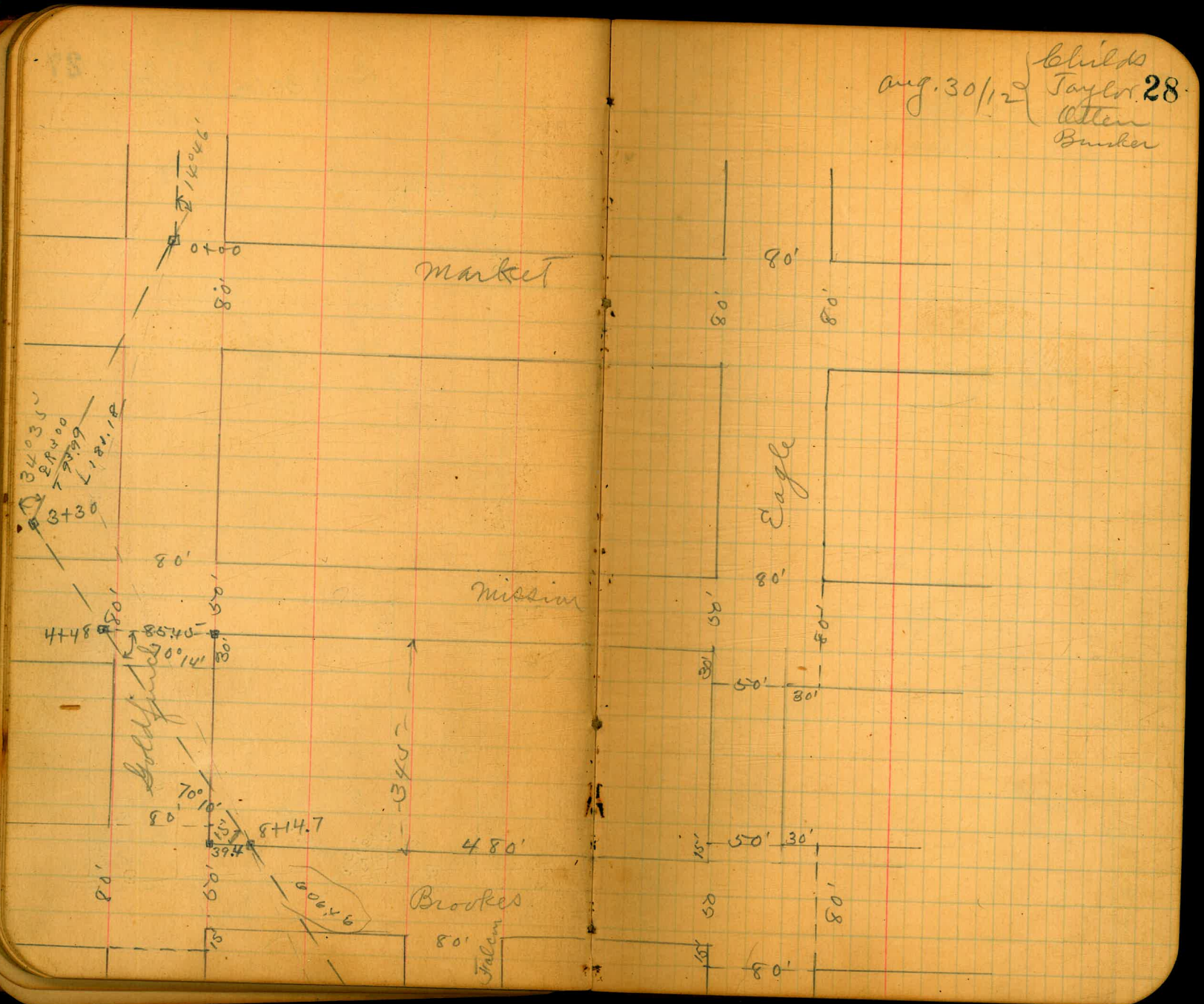
6.3
235.8
227.7
8.1

1420
7.19
9.48

Aug 30/12 { Shields, Taylor, Otten, Bunker



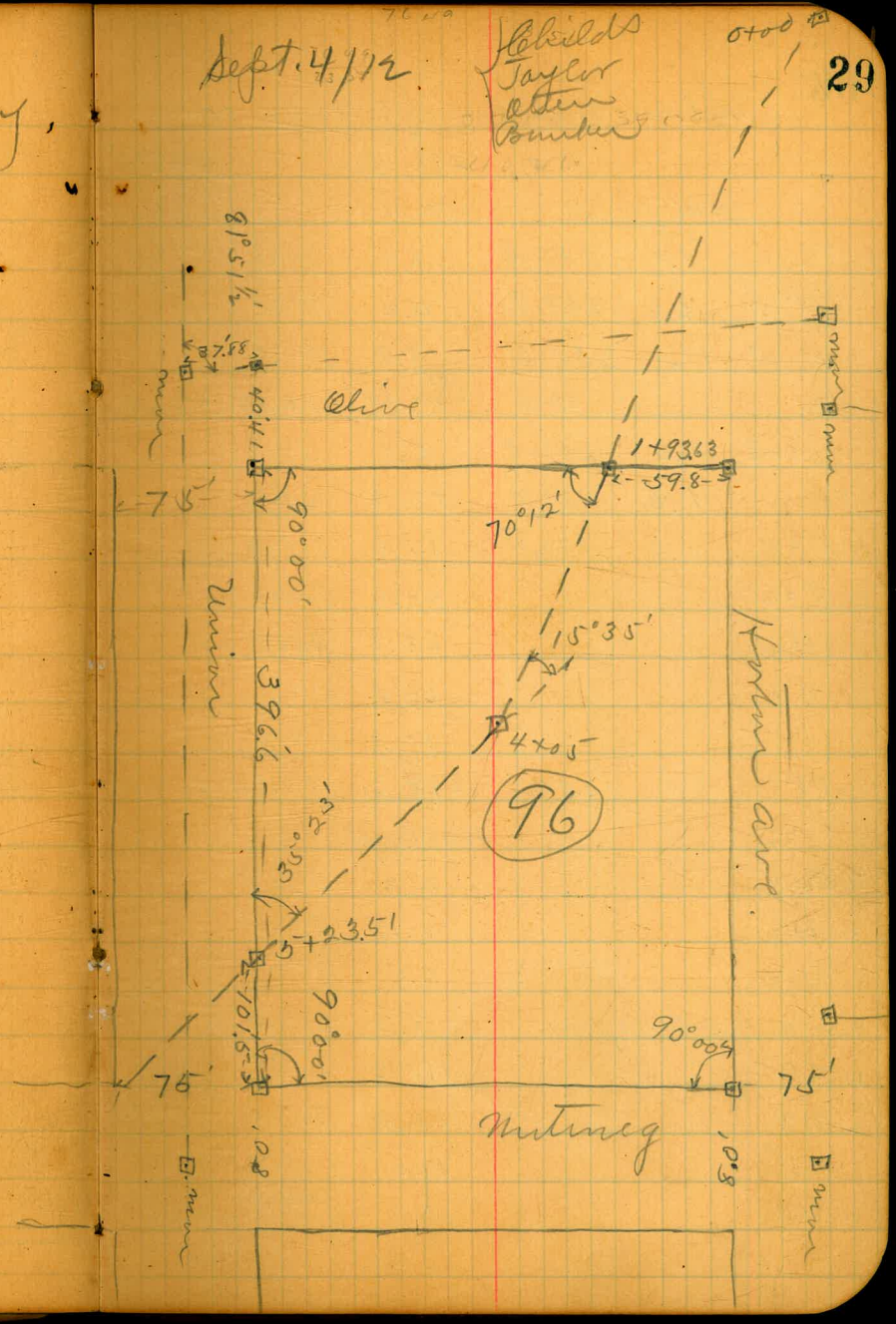
aug. 30/12 { Childs Taylor Allen Bunker



Tie in for right of way, for Boulevard.

Sept. 4/12.

Childs
Taylor
Otten
Bunker



Nov. 30/12 Shields Tayer Patten

Slope levels. See page 10

			H.I.		
	1.10		242.31		241.21 B.M.
	15' no. of no. line		15' so. of so. line		
West line Front for 50' street	1.9	240.4	3.0	239.3	
30' west	2.6	239.7	4.2	238.1	
50' west	11.1	231.2	7.9	234.4	
T.P.		0.26	H.I. 230.39	12.18	230.13
75' west	2.6	227.8	8.1	222.3	
88.3 "	1.0	229.4	12.2	218 bottom of drain	
sect AB	0.0	230.4	11.6	218.8	
sect AC			10.2	220.2	
" AE			13.7	216.7 bottom of drain	
" AF			13.4	217.0	
" AG			12.7	217.7	
T.P.		1.52	H.I. 218.61	13.30	217.09
H.I.			15' east of east line		
sect HG			6.3	212.3	
" HJ			6.1	212.5	
" HK			6.0	212.6 bottom of drain	
" LM	in bottom of drain		7.3	211.3	
" MO			11.2	207.4 bottom of drain	
" MP			11.1	207.5	
" MQ			11.0	207.6	
" RS.			12.9	205.7 bottom of drain	

Moore Road Sudmac 11-29-41. Indexed C.S.K.

Xsec of 20' alley in
Winthrop Highlands
Resub. of Blk 504

NEBP 3.11 N 53.13 N 50.02 Ampudia Hickory

0-10 wly of Line Ampudia St.

N	H.C. Pav.	5.64	247.49
C	"	5.68	247.45
S	"	5.80	247.33

0+00 wly of Ampudia St.

S cb	= Beg. cem. Rock Wall, on Line	4.95	248.18
S pav		5.17	248.01
C "		5.35	247.78
N "		4.97	248.21
N cb		4.81	248.32

Red. to Plot. Profile 2263 12-2-41 C.B.H.

0+01.2

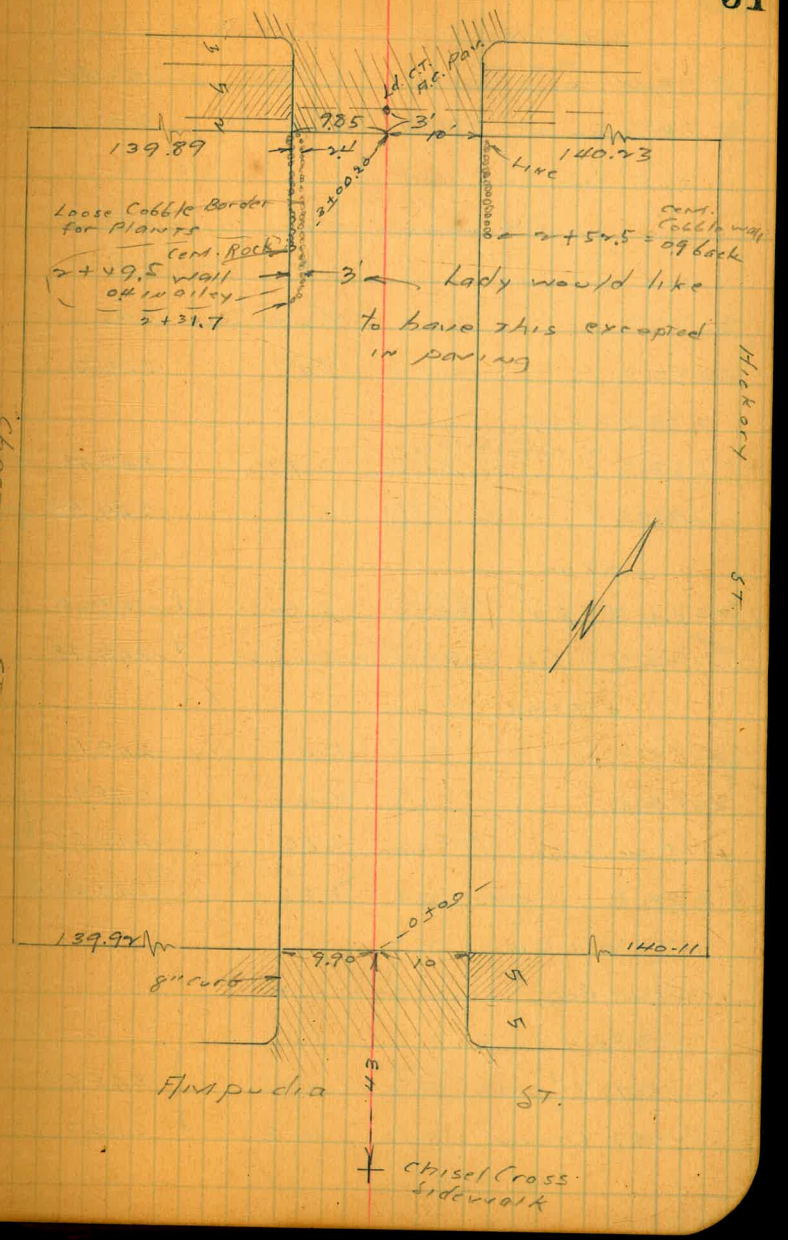
N - 0.8 beg. wire fence ✓

0+20

N		4.3	248.8
C		4.5	248.6
+ 9.8	cem. rock wall	4.3	248.8
S	Top " "	3.6	249.5

0+35.5

N - 0.8 end wire fence ✓



253.13

0+37.4			
S End Top of Rock wall	3.53		249.60
S E. edge 4.5 cem walk	3.63		249.50
+0.15 face Rock wall			
+0.4 end cem. walk	3.63		249.50
+0.3 ground	3.8		249.3
C	4.0		249.1
N	3.9		249.2
0+39.7			
S+0.4 W. edge walk E. " cem. apron	3.73		249.40
S−3.8 " " gar. cem. floor	3.54		249.59
0+44			
N−6.1 E 8.7 cem apron	3.70	✓	249.43
N−7.6 L Sw. gar cem floor	3.65	✓	249.48
0+49.6			
N	4.0		249.1
C	4.4		248.9
+9.9 W. edge cem. apron	3.86		249.27
S+3.8 " " gar. cem.	3.53		249.60
0+50			
N+1.0 beg. wire fence ✓			
0+60.3			
N−0.7 8' gate cem. step	4.45	✓	248.68
N−5 Lawn	4.8	✓	248.3

253.13

0+71.5			
S−4.4 E edge cem. apron	4.47		248.71 ✓
S−6.4 " " do. gar. cem	4.41		248.72
0+84			
N−0.7 end wire fence ✓			
0+85.5			
S−6.4 W. edge do. gar. cem.	4.45		248.68 ✓
S−4.4 " " cem apron	4.47		248.66
S	5.1		248.0
C	5.5		247.6
N	5.5		247.6
0+87			
N−0.8 E. edge cem. apron	5.68		247.45 ✓
N−5.8 " " gar. cem.	5.38		247.75
0+98.5			
N−0.8 W. edge cem. apron	5.95		247.18 ✓
N−5.8 " " gar. cem.	5.46		247.67
1+00			
N−0.5 Beg. 5' cem. Brick wall ✓	6.1		247.0 ✓
N	6.1		247.0
C	6.0		247.1
+7	5.9		247.2
S	5.3		247.8
+5	5.4		247.9

1+01 = 5+03 1½" P.P. ✓

See next page

		253.12		
T.P.	3.95	250.01	7.07	246.06
		1+73 N	5'	
			Cem. Brick	
N - 0.4	end wall			✓
N - 0.4	E.L. cem apron		4.34	245.67
N - 4	" " "		4.37	245.74
N - 8.7	" " do. cem. gar.		4.35	245.66 ✓
N			4.3	245.7
C			4.0	246.0
S			3.7	246.3
		1+47.5		
N - 0.3	cem. apron		4.53	245.48
N - 4	" "		4.60	245.41 ✓
N - 8.7	W.L. cem. gar.		4.40	245.61
		1+50		
S	beg. Cypress hedge ✓		3.4	246.6
+ 7			4.3	245.7
C			4.7	245.3
N			4.6	245.4
+ 0.3	cem. apron		4.56	245.45
+ 4	" "		4.65	245.36
+ 8.7	" "		4.43	245.58
		1+55		
N - 8.7	E.L. do gar. Cem		5.00	245.01

250.01

N - 4	cem apron	5.07	244.94
N - 0.3	" "	5.09	244.92 ✓
	1+60 N		
N - 0.3	& cem. apron	5.10	244.91 ✓
	1+63		
S	end cypress hedge ✓		over hangs in alley 1.5 needs TRIMMING
	1+69		
N - 0.3	W.L. cem. apron	5.17	244.84 ✓
N - 8.7	" do. cem. gar	5.00	245.01
N - 0.75	Beg. 5' cem. brick wall ✓		
	1+70.5		
N		5.3	244.7
C		5.4	244.6
S		4.5	245.5
+ 6.7	E.L. do. gar. Cem	3.75	246.26 ✓
	1+85		
S - 6.7	W.L. " "	3.77	246.24 ✓
	1+97		
S - 0.6	& 3' cem. walk	4.36	245.65 ✓
S	on cem. Blk. Step	4.75	245.26 ✓
+ 1	" " " "	5.00	244.81 ✓
+ 3	" " " "	5.09	244.72 ✓
C		5.8	244.2
N		6.0	244.0

250.01

Lady says, this need Not be excepted

1+98.5

S + 2 beg. of Terraced plants etc. with Loose Rock Border

2+00

N - 0.2 End Con. Brick wall

2+05

N - 4.3 ℄ Sin. gar. cem. 6.00 244.01

2+08

S + 2 End Rock border + Plants

2+09

N	6.3	243.7
C	5.9	244.1
S	5.5	244.5
S + 0.4 E.L. cem. apron	5.58	244.43
S + 6.5 " do. gar. Cem.	4.85	245.16

2+13

N - 0.25 beg. wire fence

2+27.3

S - 6.5 W.L. do. gar.	4.86	245.15
S - 0.4 " apron	5.87	244.14
S	5.9	244.1
C	6.6	243.4
N	6.8	243.2
+ 5	7.0	243.0

250.01

2+31.7

S - 0.4 W.L. 4.4 Cem. walk 5.95 244.06

2+32

S + 0.5 ℄ 15" P.P.

2+34

N - 1.3 ℄ 4' Brick walk 7.09 242.92

N - 0.3 ℄ Pergola

2+40

N	7.4	242.6
C	7.4	242.6
+ 7 Loose Cobble Rock	6.8	243.2
+ 8 on Shrubs +	6.2	243.8 Planting
S	6.1	243.9

2+49.5

S + 0.4 beg. cem. Rock wall 6.68 243.33

2+52.5

S on cem. rock wall	6.95	243.06
S + 0.4 " "	7.0	243.01
+ 2.7 Loose Rock	7.0	243.01
+ 3	8.2	241.8
C	8.5	241.5
+ 7	8.7	241.3
N	8.1	241.9

N + 0.3 end wire fence

N + 0.9 Beg. Cem. Rock wall 7.60 242.41

~50.01

~+70 Cobble rock

N-1	Top	wall	8.1	241.9
N-0.5	Base	"	10.4	239.6
N			10.5	239.5
C			10.6	239.4
+7			10.1	239.9
+7.3	Loose Cobbles		9.~	240.8
+9.5	Base Cent. Rock wall		9.~	240.8
S	Top	"	7.8	242.2 ✓

T.P. C~7 ~43.43 17.85 ~37.16

~+89

S	Top Cent. Rock wall		3.5 ✓	239.9
+0.3	Base " " "		5.4	238.0
+~.4	Top Loose Rock wall		5.4 ✓	238.0
+3			4.0	237.4
C			4.4	237.0
S N			4.0	237.4
S +0.1	Base Cobble wall	Contd.	4.0	237.4
+0.4	Top " "		~.8 ✓	240.6

3+00.~0 E/y Arista St.

N	C6. end	Contd. Cobble wall	8.10	235.33 ✓
N	A.C. Pav		8.~0	235.23 ✓
C	" "			

~43.43

C Pav		8.~~	234.89 ✓
C+9.85 "		8.00	235.43 ✓
C+9.85 C6.		7.8 ~	235.61 ✓

3+10.~ E/y C6 Line Arista

S Pav		8.C~	234.81
C "		8.77	234.66
N1 "		8.90	234.53

Chestnut

S.E.C.T	Arista	11.5~	~31.91	~32~.00 .09

T.P.	IN 35	~+9.51	6~7	~37.16
T.P.	5.71	~53.09	~1.8	~47.38
Orig. BM.			3.07	~500~ ~500~

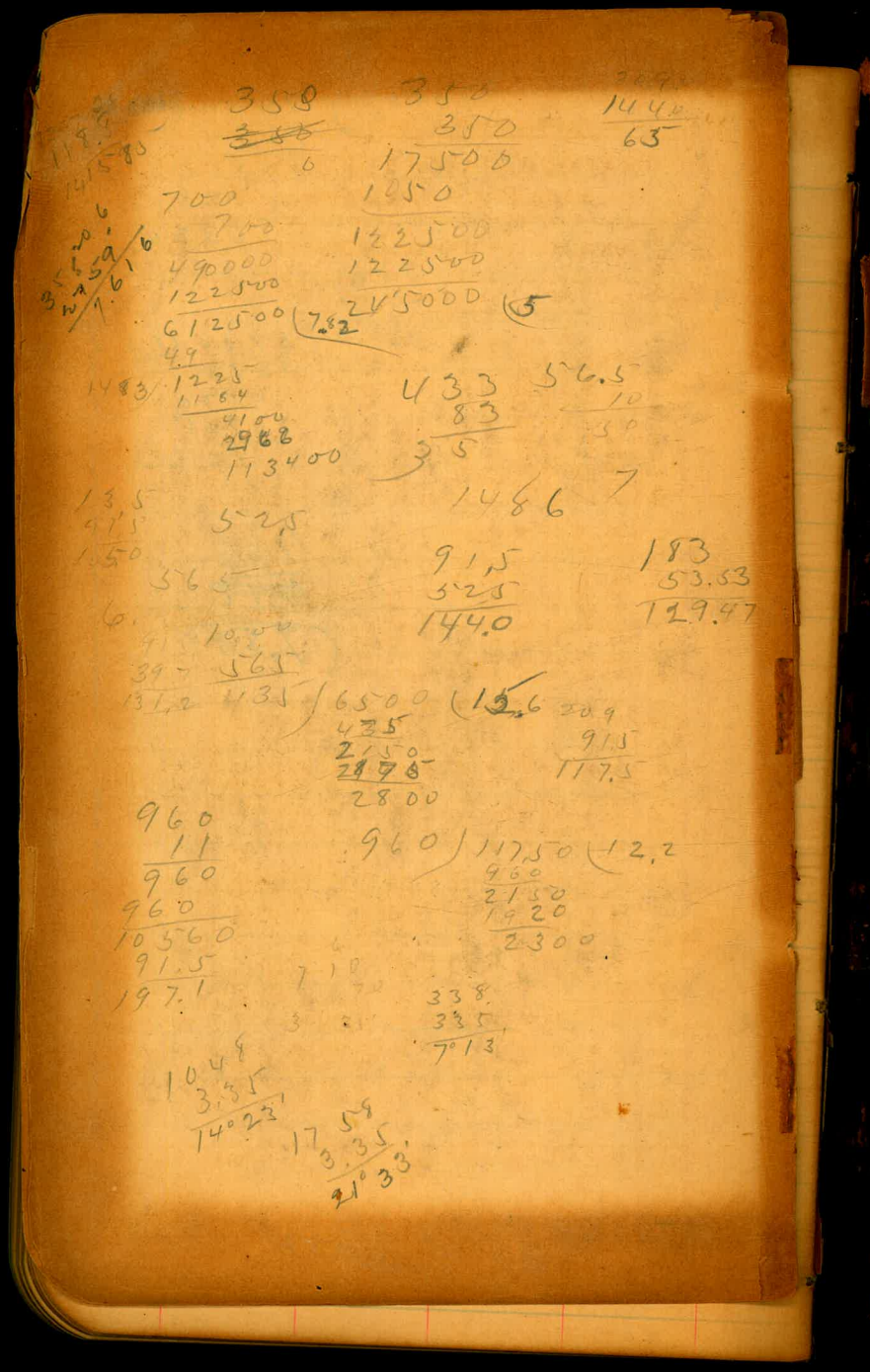
#998

786.4) 9600 (12.2
7864
17360
15728
16320

7864
447.1
339.3) 5700 (15.0
3393
17070
16965
10500

11.63
~~4.40~~
7.53

Degrees



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TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		⅓ DEGREE.		½ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees
	DEGREES		¾ DEGREE.		⅔ DEGREE.		½ DEGREE.		