

U.S. DEPARTMENT OF JUSTICE  
FEDERAL BUREAU OF INVESTIGATION  
Washington, D.C.

490

400

LEVEL

**F.B. 490**

IND

U.S. DEPARTMENT OF JUSTICE  
FEDERAL BUREAU OF INVESTIGATION  
Washington, D.C.



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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	21	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 $\frac{2}{3}$
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
0		0		0		0	
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



Preliminary Sewer  
west of Albatross

1

Lot. line bet. Columbia & state  
of Palm to sta 2+90 bet. Palm

Sta		N.I.	Rad	Elev
0+00	m.H. bottom of Canyon 120' hco.	129.11	8.8	120.3
+50	center of Palm		0.8	128.3
1+00		140.40	6.7	133.7
+20	center Palm		2.7	137.7
+37	120.21 8.90	152.35	10.5	141.8
+44	129.11 ✓ 0.61 129.10 J.P. ① 11.30		6.5	145.8
+50	140.40 ✓ 0.87		6.5	145.8
2+00	139.53 J.P. ② 12.82	164.96	9.5	155.5
+50	152.35 ✓ 0.23 152.12 J.P. ③ 12.84	174.84	8.5	166.3
+90	F.S. near Holmes fence 1.26 163.70 J.P. ④ 11.14 174.84 ✓ 4.26 170.58 +		4.02	170.8

from 120' no. of center  
Nov. 17/07  
& Olive (1575 East of center of Columbia)  
Childe Barber 2  
Taylor

Purple Plaster  
Sheet A-53



Lot line bet. Columbia & India  
to Sta 275 No. of Palm

Sta		N.T.	Rod	Elev
0+00	M.H. No. line of palm bottom of canyon	108.16	12.52	95.7
+50		<u>120.64</u>	12.2	101.4
1+00	8.25 99.91 <u>108.16</u> 0.54		3.7	116.9
+50	x 107.62 T.P. ① <u>13.02</u> 120.64 ✓	<u>133.39</u>	9.9	123.5
2+00	0.49 <u>120.15</u> T.P. ②		7.6	125.8
+50	13.24 <u>133.39</u> ✓		5.7	127.7
+75	F.I. near Quince		4.5	128.9

0+00.	M.H. No. line of Palm bottom of canyon	<u>108.16</u>	12.52	95.7
+13			13.8	94.4
+40	Center Palm		6.1	102.1
+50		<u>120.50</u>	14.3	106.2
+60	12.88 <u>120.50</u> ✓ 6.29 120.21 T.P. ③		10.0	110.5
1+00	10.48 <u>130.69</u> ✓	<u>130.69</u>	3.9	116.6
+50		<u>130.69</u>	9.1	121.6
2+00			7.0	123.7
+50	F.I.		6.1	124.6
+75	F.I.		6.3	124.4

from 275 No. of Palm

Nov. 17/09

Lalinda  
Berber  
Taylor 3

Profile started  
Elev at 2-33



Lot line bet. India & Columbia  
center mtineg & India & north on

sta.		H.T.	Rad	Elev.
0 + 00	M.H. center India & mtineg.	99.79	8.19	91.60
+ 37			6.3	93.5
+ 39	0.55 111.53 112.09 ✓		4.0	95.8
+ 50	12.36 99.72 T.P.D. 0.187 99.79 ✓		1.5	98.3
1 + 00		112.08	5.1	107.0
+ 37.5	M.H. lot line bet. India & Columbia center mtineg.	123.83	12.30	111.53
+ 50			11.4	112.4
2 + 00	0.64 126.68 ✓ 127.32		9.5	114.3
+ 50	12.69 114.63 T.P.D.		7.9	115.9
3 + 00	9.20 123.83 ✓		5.0	118.8
+ 50			3.0	120.8
4 + 00			2.0	121.8
+ 50	F.I. near alive		1.1	122.7

from  
lot line to Olive

Nov. 17/09

Calhoun  
Barber 4  
Taylor

Profile plotted  
A-33-



Lot line bet Columbia & India  
from 65' So. center Laurel to

Sta		H.L.	Rod Elev.	
0+00	Th.S. 65' So. of center Laurel	36.48	1.98	34.50
+11			6.9	29.6
+50	30.96		6.1	30.4
+62	<sup>5.52</sup> 36.48		5.9	30.6
+93			10.8	25.7
1+00			8.3	28.2
+10			3.8	32.7
+40	N.H. bottom of canyon		3.10	33.38

Produce Station  
Sheet A-33

137/5 west of center of India  
Sta. 1+40

Nov. 18/09

Lehilds  
Barber  
Taylor 5

Kalua India st. from Kalua's  
to Guniper

Sta.		Ht.	Rod	Elev
0+00	M.H. center Kalua + India	47.60	4.63	42.97
+50			4.2	43.4
1+00			3.3	44.3
+50			2.5	45.1
+50			1.8	45.8
+50			1.0	46.6
3+00			0.0	47.6
+15	F.S. about 25' from Guniper		-0.3	47.9

56.33  
2.00  
58.33  
12.42  
45.91 TPO  
1.79  
47.60

Profile blatted  
Sheet A. 33

center Kalua from center  
India to bottom bet India & antic.

Blinda  
Barber  
Taylor  
6  
Nov. 18/09

Sta		Ht.	Rod	Elev
0+00	M.H. center Kalua + India	47.60	4.63	42.97
+34			5.3	42.3
+45			10.9	36.7
+50			12.0	35.6
+82		35.55	1.9	33.6
1+00			12.8	22.7
+33		22.93	12.1	10.8
+37.5	M.H. bottom of Canyon on cut line bet India & antic		10.97	11.96

Profile blatted  
Sheet A. 33



India St. from center Laurel

Sta.		N.I.	Rod	Elev.
0+00	M.H. center Laurel + India	<u>64.74</u>	9.54	55.20
+50			8.4	56.3
1+00	56.33 8.41 <u>64.74</u>		4.9	59.8
+50	0.44 <u>64.30 J.P. 0</u>		1.1	63.6
2+00	12.31 76.61 0.42 <u>76.19 J.P. 0</u>	<u>76.61</u>	9.6	67.0
+50	12.79 <u>88.98</u> 0.52 <u>88.46 J.P. 0</u>		6.0	70.6
3+00	12.85 <u>101.31</u>		2.4	74.2
+50		<u>88.98</u>	11.9	77.1
4+00			11.1	77.9
+50			9.4	79.6
5+00			7.4	81.6
+50			5.1	83.9
6+00			3.0	86.0
+50			0.8	88.2
7+00		<u>101.31</u>	11.0	90.3
+50			9.7	91.6

to Olive,

Nov. 18/09

(L. Childs  
Barber  
Taylor)

Sta.		N.I.	Rod	Elev.
7+62.1	M.H. center midway + India	<u>101.31</u>	9.65	91.66
8+00			9.2	92.1
+50			7.8	93.5
9+00			6.1	95.2
+50			4.8	96.5
10+00			3.4	97.9
+50	F.I. near Olive		1.8	99.5

Profile plotted  
Sheet A. 3B

India street from 315' no. center

Sta	H.I.	Rod	Elev
0+00	F.S. 315' no. of center Palm 103.89	1.5	102.4
+50		1.3	102.6
1+00		0.9	103.0
+50		1.3	102.6
2+00		2.8	101.1
+50		4.0	99.9
3+00		4.7	99.2
+15	walden <i>sugata</i> drop mt. center Palm 101.31	2.03	99.28
+50	99.28	2.2	99.1
4+00	461 103.89 ✓ 2.52 99.96	1.9	99.4
+50		1.8	99.5
5+00		1.6	99.7
+50		1.2	100.1
6+00	F.S. near alive	1.2	100.1

of Palm to alive

Nov. 18/09. { Childs Barber 8  
Tayler

Public platel  
Met a. B.



Sta.		Height	Rod	elev.
0+00	M.H. center Laurel	64.74	9.54	55.20
+50			10.6	54.1
1+00			12.9	51.8
+375	M.H. lot line bet India & antic		15.7	49.0

Profile plotted  
Sheet A-24

To lot line bet India & antic

Nov. 18/09

Childs  
Barber 9  
Taylor

Palmer Street from center India to 15' East  
of center article.

Sta.		H.I.	Rod	Elev.
0+00	M.H. center Palmer + India	101.34	2.11	99.23
+37			3.4	97.9
+50	99.91 B.N.S. 1.43 101.34 ✓		11.2	90.1
+70	12.72 88.42 J.P.O. 0.25 88.67 ✓	88.67	10.8	77.9
1+00	12.78 75.89 J.P.O. 4.36 80.25 ✓	80.25	5.9	74.3
+37.5	M.H. on lot line bet. India + article 50.25 ✓		10.44	69.81
+50			11.2	69.0
+75			12.3	67.9
2+00			9.5	70.7
+50			13.5	66.7
+59.43	M.H. 15' East center of article		14.9	65.3

Profile plotted  
Sheet A. 34

Lot line bet. India + article 137.5 East of center of hill  
India from center Palmer to Olive Nov. 19/09

10

Sta.		H.I.	Rod	Elev.
0+00	M.H. center Palmer on lot line bet. India + article.	80.25	10.44	69.81
+12			11.0	69.2
+25			6.4	73.8
+50			4.3	75.9
1+00			1.4	78.8
+50			3.5	76.7
2+00			4.0	76.2
+50			4.1	76.1
+70	F.S.		4.5	75.7

Profile plotted  
Sheet A. 34



Lat line bet. India & Arctic from  
West of Centre India, to Olive

Sta.	H.I.	Rod	Elev.
0+00	21.98	10.03	11.95
+07		8.5	13.5
+40	44.04	12.8	31.2
+50		11.00	33.0
1+00		10.5	33.5
+50		10.2	33.8
2+00		10.0	34.0
+50		3.4	40.6
3+00	55.59	8.7	46.9
+50		6.7	48.9
+80.4		6.56	49.03
4+00		6.6	49.0
+50		2.0	53.6
5+00		4.2	51.4
+50		3.0	52.6
6+00		2.5	53.1

0.94  
44.04 ✓  
12.44  
31.60 J.P. (7)  
0.94  
32.54 ✓  
12.04  
20.50 J.P. (8)  
1.48  
21.98 ✓

M.H.  
Center Laurel

Centre Kalunia +137.5

Nov. 19/09  
L. Childs  
Barber  
Tayler  
E. Jones  
11

Sta.	H.I.	Rod	Elev.
6+50	55.59	2.5	53.1
7+00	68.10	13.2	54.9
+50		11.0	57.1
8+00		9.9	58.2
+50		7.2	60.9
9+00		1.4	66.7
+50		-0.8	68.9
10+00		4.1	64.0
+50		5.8	62.3
11+00	77.66	13.0	64.7
+41.5		9.2	68.5
+50		9.1	68.6
12+00		7.4	70.3
+50		7.7	70.0
13+00		7.2	70.5
+50		3.8	73.9
14+00		1.4	76.3

Profile plotted  
Sheet A-54

80.25  
3.00  
77.25 J.P. (3)  
0.41  
77.66 ✓  
12.68  
64.98 J.P. (4)  
3.12  
68.10 ✓  
12.96  
55.14 J.P. (5)  
0.45  
55.59 ✓  
12.49  
43.10 J.P. (6)

H.J. near Olive



artic sheet 15' East of center  
to palm

Sta.	Ht.	Rod	Elev
0+00	Center Laurel	4.8.77	36.0
		7.7.5	41.07
+50		43.77	34.2
		9.6	39.2
1+00			34.7
		9.1	39.7
+50			35.5
		8.3	40.5
2+00			35.1
		8.7	40.1
+50			34.5
		9.3	39.5
3+00			36.5
T.P.	6.67	44.13	41.5
+50		6.31	37.46
		9.7	34.4
4+00			35.3
		8.8	35.3
+50			36.5
		7.6	36.5
5+00			36.9
		7.2	36.9
+50			37.8
		6.3	37.8
6+00			39.4
		4.7	39.4
+50			40.1
		4.0	40.1
7+00			41.5
T.P.	10.69	53.23	41.5
+50		1.59	42.54
		9.3	43.9

Profile plotted sheet 135

from Laurel

Nov. 19/09  
Barber  
Taylor  
Garnett & India

12

Sta.	Ht.	Rod	Elev.	RM.
7+61.7	Center Mtnieg	532.3	46.8	56.33
		6.4 = corr. track	46.8	0.27
		9.30 = 143.93	46.8	56.60
			46.8	13.07
			46.8	48.53 = T.P.
			0.24	
8+00			45.7	43.77
			45.7	10.24
+50			47.9	RR 33.53 = T.P.
		5.3	47.9	
9+00			49.5	
		3.7	49.5	
+50			52.3	
		0.9	52.3	
T.P.	6.24	58.44	1.03	52.20
10+00			54.4	
		4.0	54.4	
+50			57.1	
		1.3	57.1	
+78.35	M.H. Center Chire angle		56.91	
		1.53	56.91	
11+00			56.4	
		2.0	56.4	
+50			56.3	
		about 11' deep	56.3	
12+00			55.1	
		3.3	55.1	
+50			54.8	
		2.6	54.8	
T.P.	11.66	67.86	2.24	56.20
13+00			58.8	
		9.1	58.8	
+50			62.3	
		5.6	62.3	
+94.9	M.H. Center Palm about 11' deep		65.33	
		2.53	65.33	

6.6



81 art's sheet 15' East of center

To Juniper

Sta.	Ht.	Red.	Ele.	Dist.
0+00	center Laurel 38.86	2.80	36.06	
+50		2.9	36.0	
1+00		3.1	35.8	
+50		4.4	34.5	
2+00		8.2	30.7	
+50		9.8	29.6	
3+00		10.4	28.5	
+42		12.9	26.0	
T.P.	4.70	31.51	12.05	26.81
+50		10.3	21.2	
T.P.	1.32	20.23	12.60	18.91
+82		13.2	7.0	
+95	M.H. bottom of Canyon	9.95	10.28	
4+00		8.5	11.7	
+33		0.6	19.6	
T.P.	12.62	32.61	0.24	19.99
+42		5.2	27.4	
+50		4.9	27.7	
5+00		3.6	29.0	

from center Laurel

Nov. 20/09

Childs  
Barber  
Evans  
Taylor

13

Sta.	Ht.	Red.	Ele.	Dist.
5+50	32.61	2.4	30.2	56.33
T.P.	10.19	40.97	1.83	30.78
6+00		8.3	32.7	33.53
+50		9.7	31.3	5.33
+95	F.H. near Juniper	9.96	31.01	38.56
T.P.	8.84	49.81	0.00	40.97
		2.95	46.87	B.M. Juniper
			46.86	

Surface plotted  
Sheet A-32



Lot, line bet. Arctic & California  
to bottom of canyon 20. of Kalina

from center Laurel

Nov. 20/09

Collected  
Barber  
Eames  
Taylor 14

Sta. B.S. H.I. Rod Ele.

T.P. = 33.53

0+00 center Laurel 28.45 11.2 17.2

T.P. 34.09  
12.84

+50 11.5 16.9

21.75  
6.70

1+00 11.3 17.1

H.I. = 28.45

+50 11.2 17.2

+90 9.9 18.5

2+00 1.8 26.6

+50 2.2 26.2

3+00 2.7 25.7

+09 4.8 23.6

+50 5.5 22.9

T.P. 1.64 24.40 5.69 22.76

+65 6.3 18.1

+72 11.0 13.4

T.P. 2.43 15.79 11.04 13.36

+89 8.3 7.5

+95 12.7 3.1

4+00 m.H. bottom of canyon 10.63 5.16

Barber placed  
sheet at 35



Lot line bet. Arctic + California from Center Laurel  
to Sta. 8+15,

Nov, 20/09

Edwards  
Barber  
Eames  
Taylor 15

Sta.	H.I.	Rod	Elev.	Sta.	H.I.	Rod	Elev.
0+00	Center Laurel 24.16	7.0	17.1	7+61.4	Center monument	32.41	6.1 26.3 <sup>P</sup>
+50		4.1	20.0	8+00		3.9	28.5
1+00		6.2	17.9	+15	F.I.	2.8	29.6
+50		8.1	16.0	T.P.	11.36	43.72	0.05 32.36
2+00		9.5	14.6	T.P.	9.04	52.24	0.52 43.20
+50		10.8	13.3	Point West of Lot Line & N of Cliff		12.2	
3+00		11.5	12.6	T.P.	6.35	59.60	0.99 51.25
+50		10.7	13.4			0.65	Angle Point below 56.95
4+00		13.2	10.9				
T	T.P. 11.83 24.98	11.00	13.15				
+50		15.0	10.0				
5+00		13.2	11.8				
+50		11.1	13.9				
6+00		7.3	17.7				
+50		4.9	20.1				
T.P.	8.19 32.41	0.76	24.22				
7+00		8.7	23.7				
+50		6.1	24.3				

Ordinance placed  
 October 2. 35



California Street from center  
to jumper.

Sta.	H.E.	Red	Elev.
0+00 center Laurel	23.40	10.83	11.57
+50		10.2	12.2
1+00		9.4	13.0
+50		9.1	13.3
2+00		9.2	13.2
+50		9.3	13.1
3+00		9.2	13.2
+50		9.3	13.1
4+00		10.4	12.0
+50		12.1	10.3
5+00		12.3	10.1
+20		12.30	10.10
+50	17.66	8.0	9.7
6+00		6.5	11.2
+50		5.9	11.8
+95 F.I.		4.3	13.4

Profile plotted  
sheet A-35

culvert  
must be 14' deep,  
with bottom of  
canyon

of Laurel

Nov, 22/09

Calculus  
Barb  
Evan  
Taylor

16

21.75 TP  
0.65  
22.40 HZ  
12.80  
10.10 i.P.  
7.56  
17.66 H.Z.  
1.78  
11.88  
22



Center California from center  
Redwood

Sta.		H.I.	Rod	Elev.
0+00	center Laurel	21.40	9.83	11.57
+50			10.4	11.0
1+00			11.2	10.2
+50			10.8	10.6
2+00			9.8	11.6
+50			9.4	12.0
3+00			9.5	11.9
+50			8.3	13.1
4+00	must be 10' deep culvert		7.8	13.6
+50			7.2	14.2
5+00			7.3	14.1
+50			7.4	14.0
6+00	must be about 9' deep		7.1	14.3
+50			5.9	15.5
7+00			4.5	16.9
+50			3.6	17.8

Public Blotter  
 Dec 12-26

Laurel to

Nov. 22/09

belinda  
Barber  
Evans  
Taylor  
17

Sta.		H.I.	Rod	Elev.
7+61.8	center Nutway	21.40	3.46	17.94
8+00	about 4' or 5' below st. grade	20.75	11.3	19.5
+50			10.0	20.8
9+00			8.6	22.2
+50			7.1	23.7
10+00			7.4	23.4
+36.05	center alive angle		7.73	23.05
+50	about 4' below st. grade for grade of sewer		7.7	23.1
11+00			5.8	25.0
+50			5.8	25.0
12+00			6.2	24.6
+50			5.0	25.8
J.R.		19.73	37.59	3.92
13+00	not less than 9' deep.		5.8	31.8
+12.25	center pulley		6.04	31.55
+50			4.5	33.1
14+00			3.7	33.9



Cont. from page 17

Sta	H.I.	Rod	Elev.
14+50	37.59	6.6	31.0
15+00		6.3	31.3
+50		5.1	32.5
16+00		4.8	32.8
+50		5.2	32.4
17+00		5.5	32.1
+50		5.9	31.7
18+00		5.6	32.0
+50		5.0	32.6
19+00		5.3	32.3
+50		4.4	33.2
20+00		3.9	33.7
+10	about 7' deep, F.I. 63.7 so. of Center Redwood	5.35	32.24
	6.9 R.P. track		30.7
	8.5 in gutter		29.1

Ann Page 23

Nov. 22/09  
 Leilds Barber Evans Taylor 18

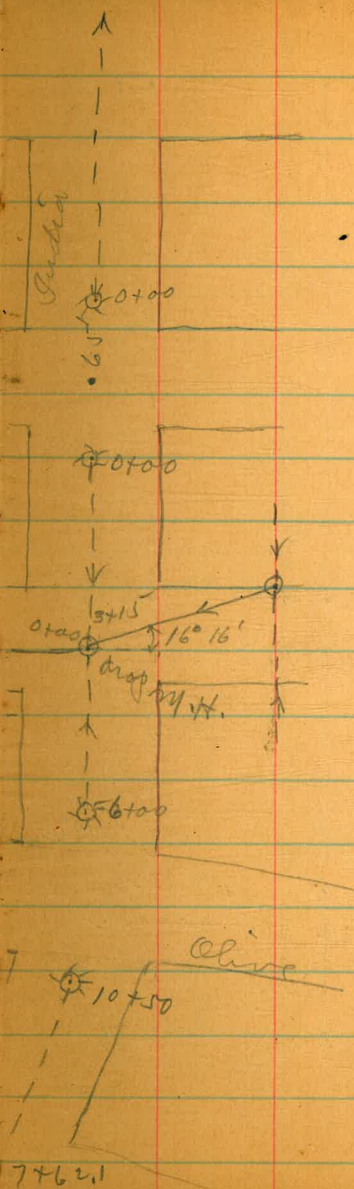
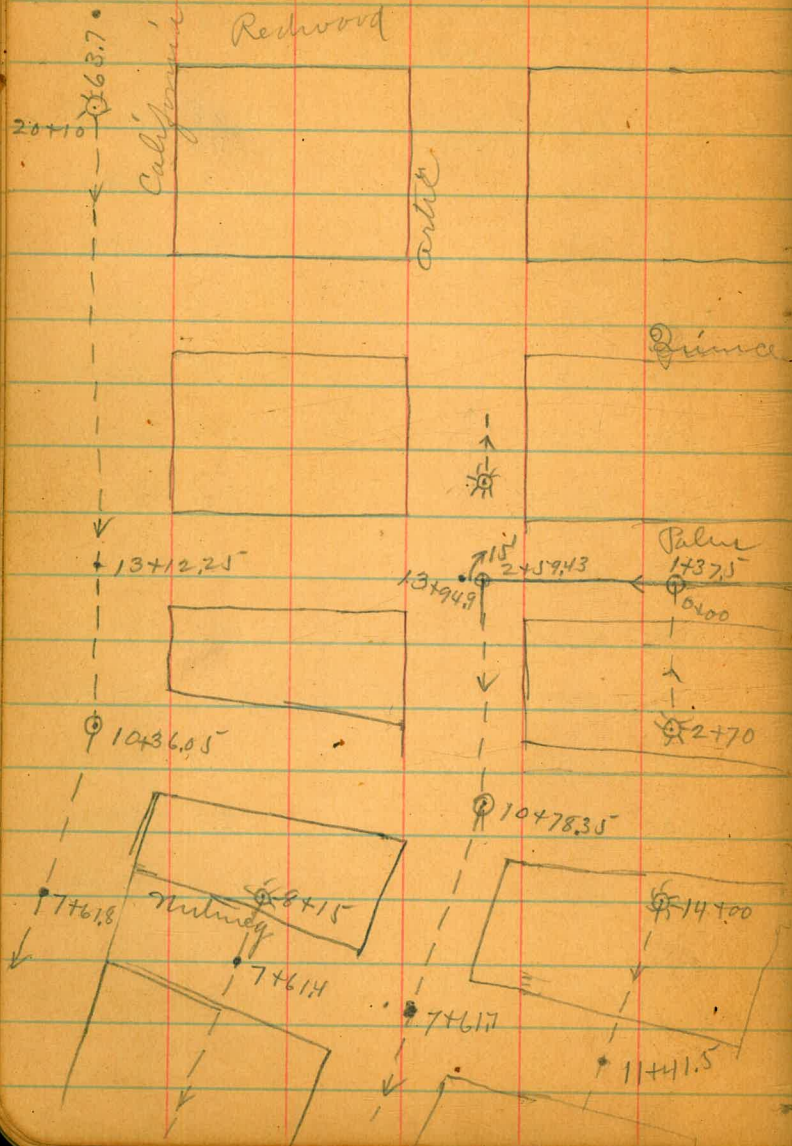
Sta.	outfall levels	Rod	Elev.
	4.98 +2.70		-2.88
10+00	= 16+00 m.H. on canyon line.	14.98	-2.88
+50		6.2	-4.1
1+00		6.6	-4.5
+50		6.8	-4.9
2+00		8.5	-6.4
+50		8.9	-6.8
3+00		9.4	-7.3
+50		9.9	-7.8
4+00		11.1	-9.0
+37	→ water level at →	11.7	-9.6
+50	3 p.m. Oct 18, 1910.	11.9	-9.8
5+00		13.0	-10.9
+50		14.2	-12.1
		14.7	

Oct. 18/10  
 Leilds Barber Taylor



Nov. 22/09

Lot 10  
Barber  
Eans  
Taylor 19





20

78+15  
7+61.8  
7+61.4

California

0+00  
0+00

4+00  
11+70.9  
40°45'

5+20  
13+52.6  
29°40'  
6+95



see page 18 for levels.

Nov. 23/09

nutmeg

7+61.7  
11+41.5

14'

airfall

0+00

Kanrel

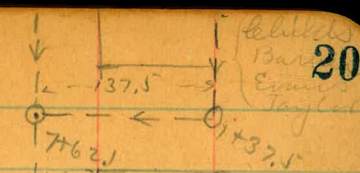
Kalucia

6+19.5  
8+47  
54°47'

8+94.5  
137.5

6+95

Maple



0+00

7+00  
10°46'

0+00

3+15



Center line from center India  
on center Union Street bet.

Sta.		H.I.	Rod	Elev
0+00	2.02 scrop on H.	101.93	2.70	99.91 BAN 99.23
+39			2.5	99.4
+50			7.5	94.4
+57			11.0	90.9
+79			13.2	88.7
1+00			11.5	90.4
+42	M.H. Sta 0+00 lot. line bet. Columbia & Subia		6.22	95.71
+50	J.P.	12.97	5.3	96.6
2+00		113.39	1.51	100.42
+50			12.5	100.9
+50			8.9	104.5
+80.8	M.H. Sta 19+14 on Columbia line.		7.55	105.84
3+00	J.P.	13.00	4.9	108.6
+50		126.16	0.23	113.16
+50			9.4	116.8
4+00			4.9	121.3
+35.15	M.H. Sta 0+00 to line bet. state & Columbia		5.88	120.28
+50			5.8	120.4

Palmer to Sta 5+00  
Dunice & Palmer

21  
Nov. 23/09  
Taylor

Sta		H.I.	Rod	Elev
J.P.	11.79	137.51	0.44	125.72
5+00			9.4	128.1
+29			3.2	134.3
+50			2.8	134.7
+75			4.8	132.7
J.P.	12.39	149.90	0.00	137.51
+98.5	M.H. Sta. 4+90 on state st.		8.57	141.33
6+00			8.6	141.3
+50			2.9	147.0
J.P.	12.50	161.93	0.47	149.43
7+00			4.0	157.5
J.P. 437.5	M.H. angle on lot line	12.44	0.02	161.91
+50			7.7	166.6
J.P.	12.29	186.29	0.35	174.00
8+00			9.4	176.9
+50			1.4	184.9
J.P.	7.05	192.71	0.63	185.66
+75.0	M.H. Sta. 5+08.45 Union St. line		2.19	190.52
15+21.5				190.52
59.5				73.75
73.75				137.5
17.50				17.50



Canyon line from Sta. 21+40 on  
No. 9 Laurel to the bay.

Sta		H.L.	Rod	Elev.
0+00	M.H. Sta 21+40 on state str. line	40.19	3.14	37.05
+50	No. 9 Laurel		2.8	37.4
1+00			1.9	38.3
+50			6.1	34.1
+74.2	M.H. Sta 0+00 on lot line bet. State & Columbia		5.71	34.48
2+00			6.5	33.7
+50			7.3	32.9
3+00			7.5	32.7
+50			8.9	31.3
+54.5	M.H. Sta. 2+75 on Columbia RT. line	36.92	9.21	30.98
J.P. +85			9.12	31.07
			7.8	29.1
4+00			12.6	24.3
+45			11.5	25.4
+50			8.8	28.1
+65			14.0	22.9
+95			14.0	22.9

Profile sketched  
Sheet A-36

State str. line

Nov. 23/09  
Childs  
Barber  
22  
Taylor

Sta		H.L.	Rod	Elev.
5+00			3	36.92
+45				12.2
+50				10.0
+69	M.H. Sta. 4+40 on lot line bet. India & Columbia			3.48
6+00				3.6
+10				4.8
+35				14.6
+50				18.2
+90				19.8
7+00	M.H. in India street.	19.0		26.70
+50				10.1
+75				7.0
8+00				9.2
J.P. +50				10.06
				10.5
+94.5	M.H. Center Kalnia on lot line sta 0+00 bet. India & antic			12.19
9+00				11.3

25° 08' R



Cont. from page 22

Sta.	H.I.	Rod	Elev.	Sta.	H.I.	Rod	Elev.
9+25	24.14	2.6	21.5	13+25	15.93	2.3	13.6
+18		1.9	22.2	+45		2.0	13.9
+57		1.9	22.2	+52.6		0.16	10.10
J.P.	2.56	14.03	11.47				
10+00		4.7	9.3	+67		7.7	2.6
+05		6.1	7.9	+87		6.6	3.7
+18.5		3.70	10.33	+92		12.0	-1.7
+50		4.2	9.8	14+00		12.5	-2.2
11+00		8.9	5.1	+50		12.2	-1.9
+50		7.8	6.2	15+00		12.5	-2.2
+70.9		8.82	5.21	+50		13.2	-2.9
12+00		8.9	5.1	J.P.	3.7.5	1.54	12.47
J.P.	10.72	15.93	5.21	16+00		4.42	-2.88
+10		13.0	2.9	+50		5.7	-4.2
+30		9.1	6.8	17+00		6.4	-4.9
+50		8.9	7.0	+50		7.0	-5.5
+58		9.5	6.4	18+00		7.2	-5.7
13+00		15.0	0.9				

Nov. 23/09

Builds  
Barber  
Evans  
Saylor

23

29° 40' R about 14' deep.  
mk. sta 5+20 on  
California St.

40° 47' R  
2 1/4 mi. S. E. of  
cutting station  
Kahuna

40° 45' L  
mk. sta 4+00 on  
lot line bet. artie  
& California  
10.72

cut full  
to page 18



Horton ave. from 50' so. Thim

Center Kite

Sta.		H.I.	Rod	Elev.	
0+00	M.H. 50' so. of Thim going East 12.72	129.72	3.0.1	126.71	
J.P.		142.04	0.40	129.32	
+50	center Thim		9.38	132.66	
J.P.	going East 13.07	154.72	0.39	141.65	
1+00			12.6	142.1	
+50			3.2	151.5	
+77.3	center Thim going west 13.95	167.57	0.10	154.62	
J.P.			9.0	158.6	
2+00		12.73	180.26	0.04	167.53
J.P.			9.2	171.1	
+50			8.26	172.00	
+54.7	center Jackdaw		0.2	180.1	
3+00		10.96	191.20	0.02	180.24
J.P.			6.4	184.8	
+50		12.84	203.56	0.48	190.72
J.P.			5.9	197.7	
4+00		12.85	216.01	0.40	203.16
J.P.			7.5	208.5	
+50		12.17	227.88	0.30	215.71
J.P.			9.1	218.8	
5+00			5.37	222.51	
+21.9	center rufus going east 1		1.0	226.9	
J.P.		11.57	239.08	0.57	227.51
+58.3	center rufus going west		10.90	228.2	

going East to

Nov. 24/09

W. Childs  
Barber  
Evans  
Taylor

24

Sta.	H.I.	Rod	Elev.
6+00	239.08	7.9	231.2
+50		5.3	233.8
7+00		3.5	235.6
+19.1	M.H. Center Kite Horton ave.	3.22	235.86
			36.4

Profile plotted  
Sheet 4-37



Kite St. line from center  
to Brookes St.

Sta.		H.L.	Rod	Elev.
0+00	m.H. Center Kite + Horton ave.	239.08	3.22	235.86
+50			0.8	238.3
J.P.	12.92	<u>231.96</u>	0.04	239.04
1+00			11.5	240.5
+50			10.5	241.5
2+00			10.1	241.9
+50			9.8	242.2
3+00			10.1	241.9
+50			8.8	243.2
4+00			6.3	245.7
+50			4.4	247.6
5+00			2.4	249.6
J.P.	6.76	<u>258.64</u>	0.08	251.88
+50			6.3	252.3
6+00			3.9	254.7
+50	H.L. Sta. 5 from Center Brookes		1.97	256.67

Horton ave.

Nov. 24/09

Childs  
Barber  
Evans  
Jayer 25

235.86

179

237.65

228.27

9.38

Profile plotted.  
Sheet A-36

J.P.

8.29 250.35 m Jackson



Jackdaw st. from 65' no. of  
to Brookes.

Sta		H.I.	Rod	Elev.
	9.65	164.27		154.62
0+00	M.H. center Jackdaw 465' no. of center		7.54	156.73
+50	J.P.	12.31	0.58	163.69
1+00			10.4	165.6
+50	J.P.	12.93	0.39	172.8
2+00			10.7	177.8
+50			5.0	183.5
+80			5.1	183.4
3+00	J.P.	12.57	0.17	188.37
+50	J.P.	12.42	0.19	199.9
4+00	J.P.	10.99	0.48	204.9
+50	J.P.	13.00	0.03	212.69
			13.2	223.4
+75			4.9	231.7
5+00	J.P.	12.69	0.20	235.8
+50			6.7	242.4
6+00			3.0	246.1
+50			0.0	249.1

center of rupas.

NW. 24/09  
Chillicothe  
Barber  
Emery  
Taylor 26

Sta.		H.I.	Rod	Elev.
J.P.	5.20	254.27	0.07	249.07
7+00			3.8	250.5
+50	J.P. about 26' from Brookes.		4.0	250.3
J.P. on main. on the blaine			3.76	160.51

3.91  
250.36

Profile plotted  
Sheet A-37



3640 street from 65' no. of center  
Brookes.

Sta	J.P.	H.I.	Rod	Elev.
	J.P.	160.26		154.62
0+00	about 15' deep H.I. 65 no. of		0.64	159.62
	J.P.	156.15	12.07	148.19
+50	Center of Thom 7.96		10.6	145.5
+65			11.5	144.6
+100			6.0	150.1
+35			1.6	154.5
+50			3.1	153.0
+200			8.8	147.3
+25	about 5' deep M.H. bottom of Canyon		8.18	147.97
+50			6.7	149.4
J.P.	12.70	168.66	0.19	155.96
3+00			9.2	159.5
+16.5	Center of pas.		4.22	164.44
	12.92	181.40	0.18	168.48
+50			3.8	177.6
J.P.	12.67	193.55	0.52	180.98
4+00			1.8	191.7
J.P.	12.79	206.07	0.27	193.28
+42.8	near on public line		4.17	201.90
+50			2.9	203.2
J.P.	12.60	218.42	0.25	205.82
5+00			5.7	212.7

of them to

Nov 24/09

Childs  
Barber  
Curtis  
Taylor

27

Sta.	J.P.	H.I.	Rod	Elev.
J.P.	12.56	230.91	0.07	218.35
5+50			7.4	223.5
J.P.	12.78	243.46	0.23	230.28
6+00			9.5	234.0
+50			3.8	239.7
7+00			0.3	243.2
J.P.	9.32	252.75	0.03	243.43
+50			8.2	244.5
8+00			6.6	246.1
+50			6.1	246.6
9+00			7.2	245.5
+50			7.9	244.8
10+00			7.5	245.2
+50			6.3	246.4
11+00			3.9	248.8
+30			3.10	249.65

Profile plotted  
Sheet A-38.



Lot. line bet. Hawk & Ibis 140' East  
from center of pas to Sta 3+45 north

Sta.		H.I.	Rod	Elev.
		10.22		164.44
0+00	Center of pas.	<u>175.26</u>	4.5	170.8
+50	M.H. bottom of canyon		5.05	170.21
1+00			2.2	173.1
J.P.		12.60	0.60	174.66
+50			8.5	178.8
2+00			0.4	186.9
J.P.		12.69	0.29	186.97
+50			2.6	197.1
J.P.		12.38	0.11	199.55
3+00			3.5	208.4
J.P.		12.57	0.77	211.16
+45	F.I.		0.66	223.07

Profile plotted  
Sheet A-38

of center of Ibis  
From center of pas to Sta. 5+50 South of  
Turn

Nov. 29/09  
L. Childs  
Barber  
Evans  
Taylor  
28

Sta.		H.I.	Rod	Elev.
		12.15		170.21
0+00	Center of pas.	<u>182.36</u>	11.6	170.8
+50			3.6	178.8
J.P.		7.61	0.58	181.78
1+00			3.0	186.4
+35			2.3	187.1
+50			5.5	183.9
2+00			15.2	174.2
+50			17.7	171.7
3+00			7.6	181.8
J.P.		10.09	0.80	188.59
+40			5.3	193.4
+50			4.9	193.8
4+00			4.8	193.9
+50			7.7	191.0
5+00			10.4	188.3
+50	F.I. just So. of them		13.4	185.3

Profile plotted  
Sheet A-38



Lot. line bet. Jackdaw & Kite  
 Jackdaw from 150' no. upas. to

Sta.		H.I.	Rod	Elev.
J.P.	1.60	<u>224.11</u>		222.51
0+00	F.I. 150' no. of center upas.?	<u>215.78</u>	11.15	212.96
J.P.				
+50			6.5	209.3
1+00			12.5	203.3
+50			5.5	210.3
2+00			1.2	214.6
+50			6.3	209.5
J.P.	5.85	<u>211.24</u>	10.34	205.39
3+00			9.3	201.9
+40	n.H. bottom of canyon		11.92	199.32
+44			13.0	198.2
+50			10.8	200.4
J.P.	12.45	<u>222.74</u>	9.95	210.29
4+00			2.7	220.0
J.P.	12.62	<u>235.15</u>	0.21	222.53
+50			1.1	234.0
J.P.	11.71	<u>246.58</u>	0.28	234.87
+95	F.I.		6.70	239.88

10.72

140' west of center of Sta. 4+95 no. of Willas

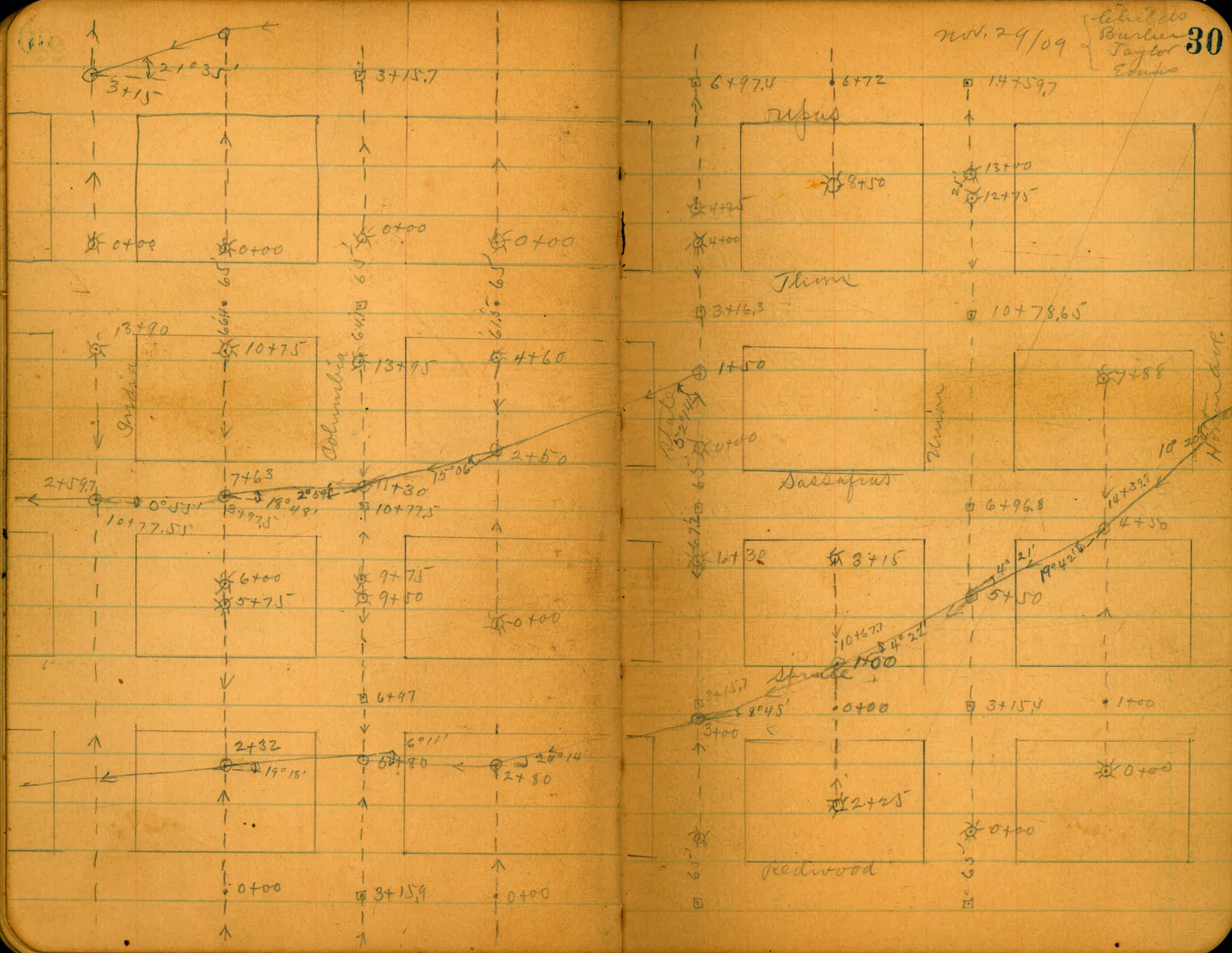
Nov. 29/09

Lehilds  
 Barber  
 Evans  
 Taylor  
 29

Profile started sheet A-38



Nov. 29/09  
Chillicothe  
Burles  
Taylor  
Elms  
30





Carry on line from Sta 0+00  
to Sta. 3+40 on lot line bet.

Sta.		H.I.	Rod	Elev.
0+00	M.H. center Norton	139.41	12.70	126.71
+50	100' so. of center Thorn gage east		10.9	128.5
1+00			8.5	130.9
+50			5.8	133.6
2+00			3.4	136.0
+25	M.H. $87^{\circ} 03' L$		1.81	137.60
+50			0.2	139.2
J.P.	12.89	152.19	0.11	139.30
3+00			10.5	141.7
+50			7.4	144.8
4+00			2.3	149.9
+50			0.3	151.9
J.P.	12.20	164.29	0.10	152.09
5+00			8.6	155.7
+35.5	M.H. center Jackdaw Sta. 0+00. $20^{\circ} 30' R$		7.55	156.74
+50			7.6	156.7
6+00			5.2	159.1
+50			0.4	163.9

center Norton ave.  
Jackdaw & Kite

Nov. 29/09

Schields  
Barber  
Evans  
Taylor  
31

Sta.		H.I.	Rod	Elev.
J.P.	12.48	176.51	0.26	164.03
7+00			8.9	167.6
+50			6.4	170.1
J.P.	12.39	188.90	0.00	176.51
8+00			11.5	177.4
+20	M.H. $16^{\circ} 23' L$		8.84	180.06
+50			5.1	183.8
J.P.	10.86	198.90	0.86	188.04
9+00			10.1	188.8
+50			7.3	191.6
+87.15	M.H. lot line bet Jackdaw & Kite Sta. 3+40. $28^{\circ} 32'$		-0.4	199.3

Profile plotted  
Sheet A-39




canyon line from sta. 2+25 on  
 Sta. 0+50 on lot line bet. Gibis &

line Page 31 to  
 Hawk

Nov 30/09  
 Schields  
 Barber  
 Evans  
 Taylor  
 32

Sta.		H.L.	Road Elev.
	42°31' R		
0+00	M.H. Sta. 2+25 on	149.57	11.97 137.60
+50	Canyon line page 31		10.0 139.6
1+00			6.4 143.2
+50			2.2 147.4
	2°11' L		
+54.76	M.H. Sta 2+25		1.57 148.00
J.P.	at Gibis st. line 12.66	162.22	0.01 149.56
2+00			10.3 151.9
+50			5.8 156.4
3+00			0.2 162.0
J.P.	10.67	172.89	0.00 162.22
+50	M.H. Sta 0+50 on lot line bet. Gibis		3.2 169.7
+53.6	+ Hawk 44°45'		2.68 170.21


  
 This started  
 sheet A-38



union street from 65' no. of  
to willow

Sta.		H.I.	Rod	Elev.
J.P.	0.09	<u>197.86</u>		197.77
0+00	F.S. 65' no. of center of Redwood		2.23	195.68
+50			11.9	186.0
J.P.	209.79	<u>186.14</u>	12.76	185.10
J.P.	0.34	<u>173.99</u>	12.64	173.50
1+00	210.13 12.36 197.77 JP		1.1	172.9
+50			10.4	163.6
J.P.	0.14	<u>161.37</u>	12.76	161.23
2+00			6.3	155.1
+50			11.5	149.9
3+00			12.2	149.2
+15.4	center of fence		12.75	148.62
J.P.	0.61	<u>149.23</u>		
+50			3.4	145.8
J.P.	1.46	<u>138.16</u>	12.53	136.70
4+00			9.4	128.8
+30			12.2	126.0
J.P.	1.94	<u>127.19</u>	12.91	125.25
+50			6.6	120.6
5+00			8.2	119.0
+50	M.H. bottom of canyon		11.26	115.93
6+00			10.6	116.6
J.P.	12.92	<u>139.90</u>	0.21	126.98
+50			8.7	131.2

center of Redwood

Nov 30/09

Lehilds  
Barber  
Dunn  
Taylor  
**33**

Sta.		H.I.	Rod	Elev.	
J.P.		12.84	<u>152.74</u>	0.00	139.90
6+96.8	center of Sassafras		4.60	148.14	
7+00			3.1	149.6	
J.P.		12.97	<u>165.52</u>	0.19	152.55
+50			2.0	163.5	
J.P.		12.87	<u>178.22</u>	0.17	165.35
8+00			0.6	177.6	
J.P.		12.48	<u>190.48</u>	0.22	178.00
+50			0.7	189.8	
J.P.		12.24	<u>202.67</u>	0.05	190.48
9+00			3.9	198.8	
J.P.		11.02	<u>213.53</u>	0.16	202.57
+50			9.8	203.7	
10+00			7.1	206.4	
+50			5.6	207.9	
+78.65	center of fence		3.7	209.8	
11+00			2.0	211.5	
J.P.		6.49	<u>219.78</u>	0.24	213.29
+50		12.71 12.19		6.1	213.7
12+00			4.3	215.5	
+50			2.6	217.2	
+75	F.S. 20.		1.72	218.06	
13+00	F.S. no.		1.79	217.99	

Profile started  
Sheet A-40



Cont. from page 33

Sta.	H.I.	Rod	Elev.
13+50	219.78	3.0	216.8
14+00		5.0	214.8
+50		6.6	213.2
+59.7 center of pas		7.31	212.47
15+00		9.6	210.2
+50 J.P.	0.62 207.57	11.9 12.53	207.9 206.95
16+00		3.3	204.3
+50		6.3	201.3
17+00		4.2	203.4
+50		4.5	203.1
18+00		5.8	201.8
+40 center vine		8.81	198.76
+50 J.P.	0.65 195.29	9.6 12.93	198.0 194.64
19+00 J.P.	0.14 182.85	4.8 12.58	190.5 182.71
+50 J.P.	0.24 170.46	7.4 12.63	175.4 170.22
20+00		4.0	166.5

9/20/30/09

Chillets  
Barber  
Evans  
Taylor

34

Sta.	H.I.	Rod	Elev.
20+50	170.46	12.0	158.5
J.P.	0.81 158.85	12.42	158.04
J.P.	0.20 146.20	12.65	146.20
21+00		8.7	137.5
+35 M.H. bottom of canyon		10.70	135.50
+50 No. of willow		9.2	137.0
22+00		6.6	139.6
+50		9.1	137.1
23+00 M.H. bottom of canyon No. of willow		5.30	140.90



lot line bet. Union & Horton  
 20. of Spruce to Thon

Sta		H.I.	Rod	Elev.
J.P.	3.50	<u>176.98</u>		173.48
0+00	F.S. 100' Ro. of		0.12	176.86
+50	center of Spruce		2.4	174.6
1+00	center of Spruce		4.3	172.7
+50			6.3	170.7
+92.			8.5	168.5
2+00			12.2	164.8
J.P.	0.37	<u>164.85</u>	12.49	164.48
+25			12.1	152.7
+50			10.3	154.5
+80			10.4	154.4
J.P.	1.21	<u>153.16</u>	12.91	151.95
3+00			3.7	149.5
J.P.	0.89	<u>140.62</u>	12.63	140.53
+50			6.5	134.1
J.P.	1.28	<u>129.27</u>	12.63	127.99
4+00			8.2	121.1
+50	M.H. bottom of		11.15	118.12
	campus.			
5+00			10.3	119.0
+25			8.8	120.5
+50			3.8	125.5

ave. from 100'

Nov. 30/09  
 Leibold's  
 Barber  
 Evans  
 Taylor  
 35

Sta.		H.I.	Rod	Elev.
J.P.	11.89	<u>141.04</u>	0.12	129.16
6+00			0.4	140.6
J.P.	11.86	<u>152.81</u>	0.09	140.93
	12.46	<u>165.09</u>	0.18	152.63
F.S.			8.2	156.9
J.P.	12.98	<u>177.56</u>	0.31	164.78
7+00			5.9	171.7
J.P.	12.93	<u>188.49</u>	2.00	175.56
+50			7.2	181.3
+88	F.S. near Thon		1.45	187.04

Profile plotted  
 Sheet A-59



State street line from 65 No. of  
to Sta. 19+75 north of Clearwater

Sta.		H.I.	Rod	Elev.
J.P.	0.06	183.92		183.86
0+00	F.S. 65 No. of center of Redwood		3.39	180.53
+40			13.0	170.9
J.P.	0.11	171.10	12.93	170.99
+50			3.4	167.7
J.P.	-0.02	158.74	12.34	158.76
1+00			8.8	149.9
J.P.	-0.03	146.13	12.58	146.16
+50			9.5	136.6
J.P.	1.07	134.50	12.70	133.43
J.P.	0.90	122.66	12.74	121.76
2+00			6.6	116.1
J.P.	0.58	110.43	12.81	109.85
J.P.	9.22	106.28	12.42	98.101
+50			9.3	97.0
3+00	M.H. bottom of Campground		12.32	93.96
+10			13.6	92.7
+15.7	center of Spruce		13.14	93.14
+50			8.3	98.0
+85			0.8	105.5
J.P.	12.90	119.06	0.12	106.16
4+00			8.0	111.1
J.P.	12.67	131.71	0.02	119.04
+50			3.9	127.8
J.P.	12.75	144.46	0.00	131.71
5+00			4.3	140.2
J.P.	12.78	156.98	0.26	144.20
+35			3.6	153.4

Profile Sheet a. 41

Redwood

Dec. 1/6/99  
L. L. Taylor  
Barber 36

Sta.		H.I.	Rod	Elev.
J.P.	12.38	169.26	0.10	156.88
5+50			5.8	163.5
+65			0.6	168.7
J.P.	10.77	179.99	0.04	169.22
6+00			4.7	175.3
+30	F.S. 67.7 So. of center of Passapias		2.25	177.75
0+00	F.S. 65 No. of center of Passapias	179.99	11.98	168.01
J.P.		170.62		
+30			6.2	164.4
+35			9.6	161.0
+50			9.4	161.2
1+00			12.7	157.9
+50	M.H. bottom of Campground		12.83	157.79
+70			14.1	156.5
2+00			1.0	169.6
J.P.	13.05	183.46	0.21	170.41
+25			5.2	178.3
+50			2.2	181.3
J.P.	12.80	196.05	0.21	183.23
3+00			10.4	185.6

Profile Sheet a. 41



15

Cont. from page 36

Sta.		H.I.	Rod	Elev.
3+16.3	center Thom	196.05	9.37	186.68
+50			5.3	190.7
4+00	F.S. Smith		1.05	195.00
+25	F.S. North		0.71	195.34
+50			1.0	195.0
5+00			4.1	191.9
+50			9.2	186.8
J.P.	139	184.49	12.95	183.10
6+00			4.5	180.0
J.P.	0.88	173.00	12.37	172.12
+50			5.4	167.6
J.P.	0.15	160.37	12.78	160.22
+97.4	center upas.		1.69	158.68
7+00			1.9	158.5
+50			8.4	152.0
+70			8.7	151.7
8+00			12.0	148.4
+50			6.5	153.9
+70			11.1	149.3

see 1/09

Bluffs  
Banks 37  
Taylor

Sta.		H.I.	Rod	Elev.
J.P.		149.35	12.73	147.64
9+00			10.4	139.0
+20			13.0	136.3
+40			4.8	144.5
+50			1.6	147.7
J.P.	6.54	155.73	0.16	149.19
+75			0.9	154.8
10+00			0.3	155.4
+50			6.6	149.1
+60			8.7	147.0
J.P.	0.20	142.90	13.03	142.70
+78.2	center line		3.44	139.46
11+00			13.2	129.7
J.P.	0.12	130.06	12.96	129.94
+20			9.5	120.6
+50			7.0	123.1
12+00			7.4	122.7
J.P.	0.13	117.46	12.73	117.33
+40	M.H. bottom of canyon		8.36	109.10
+50			10.7	106.8
+55			14.0	103.5



Cont. from page 37

Sta.	H.I.	Rod	Elv.
13+00	117.46	11.9	105.6
+50 J.P.	13.04	4.9 0.13	112.6 117.33
14+00		12.9	117.5
+05		12.2	118.2
+33 J.P.	13.06	2.3 0.04	128.1 130.33
+37		6.0	137.4
+50 J.P.	12.96	1.1 0.12	142.3 143.27
+59.95 Center Willow		11.17	145.06
15+00 not less than 10' deep		2.0	154.2
J.P.	3.63	0.47	155.76
+50 F.S. South		1.15	158.24
+75 F.S. North		2.58	156.81
16+00		5.5	153.9
J.P.	0.42	12.98	146.41
+50		1.2	145.6
+65		3.8	143.0
17+00		12.2	134.6
J.P.	0.07	12.05	134.78
+50 about 15 deep		5.7	129.1

Dec 1/09 Colville  
Barb  
Taylor 38

Sta.	H.I.	Rod	Elv.
J.P.	0.23	122.37	12.71
18+00		1.4	121.0
+25		6.6	115.8
+40.6 Center Chalmers J.P.	10.43	120.08	12.72
+50		11.6	108.5
+75 24 H. bottom of campus		11.51	108.57
+90		12.3	107.8
19+00		14.8	105.3
J.P.	12.74	132.76	0.06
+50		10.5	122.3
+75 F.S. (dead end)		0.75	132.01



Lat. line bet. Union & State 137.5  
 from 90' so. center wellas to Sta

Sta.	H.I.	Rod	Elev
J.P.	13.26	<u>122.00</u>	108.74
0+00	9M.H. 90' so. of center of wellas	1.64	120.36
+10		2.6	119.0
J.P.	12.29	<u>133.94</u>	121.65
J.P.	11.81	<u>145.68</u>	133.87
1+00		7.5	138.2
J.P.	12.65	<u>158.12</u>	145.47
+10		4.4	153.7
J.P.	12.90	<u>170.92</u>	158.02
2+00		8.8	162.1
+10		5.1	165.8
3+00		2.9	168.0
J.P.	8.76	<u>179.15</u>	170.39
+10		7.3	171.8
+65		7.3	171.8
+80		12.0	167.1
4+00		13.2	165.9
+35		14.9	164.2
+10		11.2	167.9
+70		3.9	175.2
5+00		2.9	176.2
+10		1.1	178.0

Profile plotted  
 H. - 42

west of center of main  
 8+50 so. of upas.

Reed 1/09  
 39  
 Builders  
 Barber  
 Taylor

Sta.	H.I.	Rod	Elev.
J.P.	13.00	<u>192.03</u>	179.03
6+00		9.9	182.1
+10		6.1	185.9
+72	Center upas.	4.7	187.3
7+00		3.6	188.4
J.P.	9.84	<u>201.46</u>	191.62
+10		9.2	192.3
8+00		3.0	198.5
J.P.	5.30	<u>206.16</u>	200.86
+10	F.S.	2.40	203.76



Lot, line bet. State & Union  
to bet. Spruce & Redwood

Sta.		H.I.	Rod	Elev.
0+00	Center Spruce	117.16	6.2	111.0
J.P.	7.78	<u>124.83</u>		117.05
+50			14.0	110.8
+75			9.7	115.1
J.P.	13.23	<u>138.06</u>	0.00	124.83
1+00			13.3	124.8
J.P.	11.78	<u>149.34</u>	0.50	137.56
+50			6.2	143.1
J.P.	11.43	<u>160.74</u>	0.03	147.31
2+00			2.3	158.4
J.P.	7.62	<u>167.69</u>	0.67	160.07
+25	F.I. bet. Spruce & Redwood.		2.17	165.52
J.P.	12.3	<u>117.16</u>		115.93
0+00	Center Spruce		6.2	111.0
+50			11.8	105.4
1+00	n.H. bottom of Canyon		12.38	104.78
+50			7.6	109.6
J.P.	11.58	<u>128.63</u>	0.11	117.05
2+00			11.1	117.5
J.P.	12.73	<u>141.30</u>	0.06	128.57
+50			3.5	137.8
J.P.	11.72	<u>152.92</u>	0.10	141.20
J.P.	12.32	<u>165.02</u>	0.22	152.70
3+00			10.6	154.4
+15	F.I. near Sassafras,		6.21	158.81

from Sassafras

Dec. 3/09

Rebuilds  
Basher  
Eaves  
Fangler  
40

Sheet 9-39

Profile plotted

315  
224  
1740







Columbia street from 60' north  
Sta. north of grade

Sta.		H.I.	Rod	Elev.
J.P.		3.49	154.19	150.70
0+00	F.S. 65' north		2.60	151.59
+50	center of Quince		3.9	150.3
1+00			4.7	149.5
+50			6.2	148.0
2+00			6.4	147.8
+50			7.7	146.5
3+00			10.2	144.0
+15.9	center Redwood		10.68	143.51
J.P.		0.48	141.80	12.87
+50			1.2	140.6
4+00			8.1	133.7
J.P.		0.21	129.36	12.65
+50			9.0	120.4
J.P.		0.18	116.92	12.62
J.P.		0.79	104.97	12.74
5+00			4.4	100.6
J.P.		0.09	92.62	12.44
+50			11.7	80.9
+80	M.H. bottom of canyon		12.96	79.66
6+00			11.7	80.9
J.P.		12.54	105.09	0.07
+50			5.6	99.5

of Quince to

Dec. 13/09 <sup>Childs</sup>  
Barby **42**  
Frank  
Fayle

Sta.		H.I.	Rod	Elev.
J.P.		12.88	117.84	0.13
6+70			10.6	107.2
+97	center Spruce		7.42	110.42
7+00			7.1	110.7
+30			3.9	113.9
J.P.		12.58	130.30	0.12
+41			2.2	128.1
J.P.		11.71	141.77	0.24
+50			12.2	129.6
8+00			6.1	135.7
+50			2.1	139.7
9+00			2.1	139.7
+50	F.S. Smith		2.73	139.04
+75	F.S. north		4.20	137.57
10+00			4.8	137.0
J.P.		0.24	129.32	12.69
+50			2.0	127.3
+70			4.5	124.8
+72			8.9	120.4
+77.5	center Sassafras,		8.89	120.43

White selected  
of Dec 1-42



Cuts from page 42

Sta.	H.I.	Rod	Elev.
10+84 J.P.	4.38	129.32 121.75	8.5 120.8 11.95 117.37
11+00			7.4 114.3
+30		12.08	109.67
+50 J.P.	13.04	134.77	9.1 112.6 0.02 121.73
12+00 J.P.	12.96	147.61	7.3 127.5 0.12 134.65
+50			8.9 138.7
13+00 J.P.	8.82	136.10	3.7 143.9 0.33 147.28
+50			9.6 146.5
+95			8.29 147.81
0+00		156.10	1.02 155.09
+50			2.9 153.2
1+00 J.P.	1.23	144.64	7.3 148.8 12.69 143.41
+50			3.9 140.7
2+00			7.4 137.2
+50			12.7 131.9

Dec. 7/09  
Lohrle  
Barber  
Taylor 43

Sta.	H.I.	Rod	Elev.
3+00 J.P.	0.42	132.56	12.50 132.14 9.5 123.1
+15.7 center refus.	0.61	120.59	12.58 119.98 6.30 114.39
+40 J.P.	1.89	109.49	9.4 111.2 12.99 107.60
+50			2.5 107.0
+75			12.02 97.47
4+00 J.P.	13.08	122.51	12.4 97.1 0.06 109.43
+50			14.0 108.5
5+00 J.P.	12.90	135.34	2.1 120.4 0.07 122.44
+50			8.5 126.8
6+00			9.5 125.8
+05			9.89 125.45

Profile plotted  
Sheet A-43



conts from page 43

Sta.	J.P.	H.I.	Rod	Elev.
0+00	3.07	137.15	1.26	134.08
+50			0.85	136.30
1+00			4.8	132.3
J.P.	0.18	124.55	10.4	126.7
+50			12.78	124.37
2+00			5.0	119.5
J.P.	1.03	112.62	13.2	111.3
+10			12.96	111.59
J.P.	0.08	99.93	2.3	110.3
+50			12.77	99.85
+6.5			2.0	97.9
J.P.	10.77	98.10	5.6	94.3
+8.5			12.60	87.33
+90			11.8	86.3
3+00			12.26	85.84
+10			13.6	84.5
+15.5			13.9	84.2
+32			11.73	86.4
+50			4.2	93.9
J.P.	12.95	111.08	2.9	95.2
4+00			0.02	98.08
			7.3	103.7

Dec. 7/09  
 Shilts  
 Barber  
 Taylor 44

Sta.	H.I.	Rod	Elev.
4+50	111.03	3.3	107.7
5+00		2.7	108.3
+50		5.4	105.6
6+00		5.4	105.6
+50		4.9	106.1
+95.8		5.01	106.0
7+00		5.2	105.8
+50		7.1	103.9
8+00		4.8	106.2
+50		2.8	108.2
+85		3.00	108.0

885  
 290  
 595  
 1395  
 7548  
 1892  
 37456

1692



Lot, line bet. Columbia & State from  
to sta 6+10 no. of gas. near vine

Sta		H.I.	Red.	Elev.
J.P.	1.60	<u>182.13</u>		180.53
0+00	center Redwood		12.6	169.5
+50			7.3	174.8
1+00			4.5	179.6
+50			4.0	178.1
2+00			3.7	178.4
+50	F.S.		4.0	178.1
0+00	center Redwood	<u>182.13</u>	12.6	169.5
J.P.	1.38	<u>170.57</u>	12.94	169.19
+50			8.7	161.9
J.P.	0.77	<u>158.74</u>	12.60	157.97
+80			3.2	155.5
1+00			9.8	148.9
J.P.	0.50	<u>146.34</u>	12.90	145.84
+20			2.0	144.3
J.P.	0.23	<u>133.65</u>	12.92	133.42
+50			0.7	133.0
J.P.	0.06	<u>121.09</u>	12.62	121.03
2+00			12.6	108.5
J.P.	0.43	<u>108.88</u>	12.64	108.45
J.P.	0.85	<u>97.16</u>	12.57	96.31
+50			8.2	89.0
+80	M.H. bottom of canyon		11.82	85.34

Profile placed  
Sheet A-43

Profile placed  
Sheet A-43

Profile placed  
Sheet A-43

250' so. center Redwood

sec 7/09  
Childs  
Barber  
Taylor **45**

Sta		H.I.	Red.	Elev.
J.P.	5.52	<u>162.89</u>		157.37
0+00	F. 521.5 so. of center of Thom		2.95	159.9
+50			3.7	159.2
1+00			7.7	155.2
+30			12.0	150.9
J.P.	0.69	<u>150.89</u>	12.69	150.20
+50			5.4	145.5
+65			9.1	141.8
J.P.	0.74	<u>138.71</u>	12.92	137.97
+70			1.9	136.8
2+00			5.1	133.6
+15			7.2	131.5
J.P.	11.22	<u>137.21</u>	12.72	125.99
+50	M.H. bottom of canyon		12.59	124.62
3+00			3.4	133.8
J.P.	12.08	<u>149.19</u>	0.00	137.11
J.P.	11.79	<u>160.90</u>	0.08	149.11
+50			7.4	153.5
J.P.	10.86	<u>171.68</u>	0.08	160.82
4+00			5.8	165.9
+50			2.1	169.6
+60	F. J. 61.5 so. center Thom		1.61	170.07

Profile placed  
Sheet A-43



Dec. 8/09

Childs  
Barber  
Eans  
Taylor 46

Cont. from page 45

Sta		H.T.	Rod	elev.
0+00	F.S. 65' No. 9 Center of Tadm	182.18	2.52	179.7
+50			1.7	180.5
1+00			11.1	171.1
+50		170.39	5.9	164.5
2+00			10.8	159.6
+50		158.34	6.2	152.1
3+00		145.79	3.1	142.7
+25			10.3	135.5
+50		133.53	9.0	125.5
J.P.	0.73	121.41	12.83	120.68
+91	m.H. bottom of canyon		10.93	110.48
4+00			11.8	109.6
+50			7.6	112.8
J.P.	10.36	180.41	1.36	120.05
5+00			3.1	127.3
J.P.	11.02	141.39	0.04	180.37
+50			0.9	140.5
6+00			1.3	140.1
+10	F.S. Near Vine		1.54	139.8

Profile plotted  
Sheet A-44

170.07  
12.17  
152.18  
12.09  
170.09  
0.30  
170.37  
12.00  
157.37  
0.95  
158.34



Lot line bet. Columbia and India

from Blk. 20. of center sec 18/09

Shields  
Barber  
Evans  
Taylor 47

W) Redwood to Winder

Sta.		H.I.	Rod	Elev.	Sta.	H.I.	Rod	Elev.	
0+00	Center Redwood	122.13	2.6	119.5	2+50	86.90	13.0	73.9	
J.P.				122.15	J.P.	11.78	0.16	86.74	
+50	J.P.	5.18	134.33		3+00		6.3	92.2	
1+00			11.1	123.2	+05		4.8	93.7	
+50			8.2	126.1	+50		4.3	94.2	
2+00			11.4	122.9	4+00		3.6	94.9	
+50			10.7	123.6	+13		0.5	98.0	
3+00			9.6	124.7	J.P.	11.22	109.73	0.01	98.51
			8.5	125.8	J.P.	11.25	119.80	1.18	108.55
+15	F.S. near Dime		8.9	125.4	+25		6.5	113.3	
J.P.					+50		4.3	115.5	
0+00	Center Redwood	0.44	122.13	122.4	5+00		3.5	116.3	
+50				121.69	+50		1.9	117.9	
1+00			2.6	119.5	+75	F.S. north	1.29	118.5	
J.P.			7.1	115.0	6+00	F.S. north	1.7	118.1	
+50			12.5	109.6	+50		6.9	112.9	
2+00		1.45	110.55	13.03	+80		10.3	109.5	
+65			6.3	104.3	J.P.	0.25	107.16	12.89	
J.P.			8.2	102.4	+7+00		2.4	104.7	
2+00		0.58	95.17	12.96			9.1	98.1	
		1.50	86.90	12.77					
			5.6	81.3					
+32	M.H. bottom of canyon		13.44	73.46					



Cont. - from page 47

Sta.	H.I.	Rod	Elev.
7+28		8.5	98.9
J.P.	10.72	10.523	94.0-1
+50		13.2	92.0
+63	M.H. bottom of canyon	13.43	91.80
+93		11.9	93.3
8+00		3.0	102.2
J.P.	13.27	0.14	105.09
+50		7.8	110.6
9+00		2.8	115.6
+50		2.5	115.9
10+00		4.3	114.1
+50		2.8	115.6
+75	F.J. 664 So. of Center Stake	0.70	117.66
J.P.	5.30	122.96	
0+00	F.J. 657 near Center of Ridge	1.38	121.6
+50		1.4	121.5
1+00		1.2	121.7
+50		5.2	117.7

Profile started  
 Sheet A-44

Dec. 9/09 } Childs  
 Barber  
 Taylor 48

Sta.	H.I.	Rod	Elev.
2+00		5.9	117.1
+50	0.50	11.2	111.8
J.P.	110.92	12.54	110.42
3+00		8.9	102.0
J.P.	0.48	98.51	12.89
+25		1.8	96.7
+50		11.2	87.3
J.P.	9.77	95.42	12.86
+60		12.1	83.3
+70	M.H. bottom of canyon	11.80	83.62
4+00		10.9	84.5
J.P.	12.54	107.23	0.73
+50		9.5	99.7
J.P.	8.08	114.63	0.68
5+00		5.3	109.3
+50		1.9	112.7
6+00		1.5	113.1
+10	F.J. near vine	1.67	112.9

Profile started  
 Sheet A-44



Cont. from page 48

Sta.		H.I.	Rod	Elev.
0+00	F.S. 65' no. 9 center of willow	114.63	7.64	107.0
+50			11.2	103.4
J.P.	0.03	101.65	13.01	101.62
1+00			2.7	99.0
+50			7.1	94.5
+90			11.4	90.2
J.P.	-0.02	89.06	12.57	89.08
2+00			1.8	87.3
+25			5.3	83.8
J.P.	5.37	83.28	11.15	77.91
+28			9.1	74.2
+50			10.5	72.8
+95			7.9	75.4
3+00			10.1	73.2
+15	M.H. near center of Chalmers bottom of canyon		11.50	71.98
+35			5.0	78.3
+50			2.5	80.8
4+00			8.8	79.5
+50			4.3	79.0

Dec. 9/09

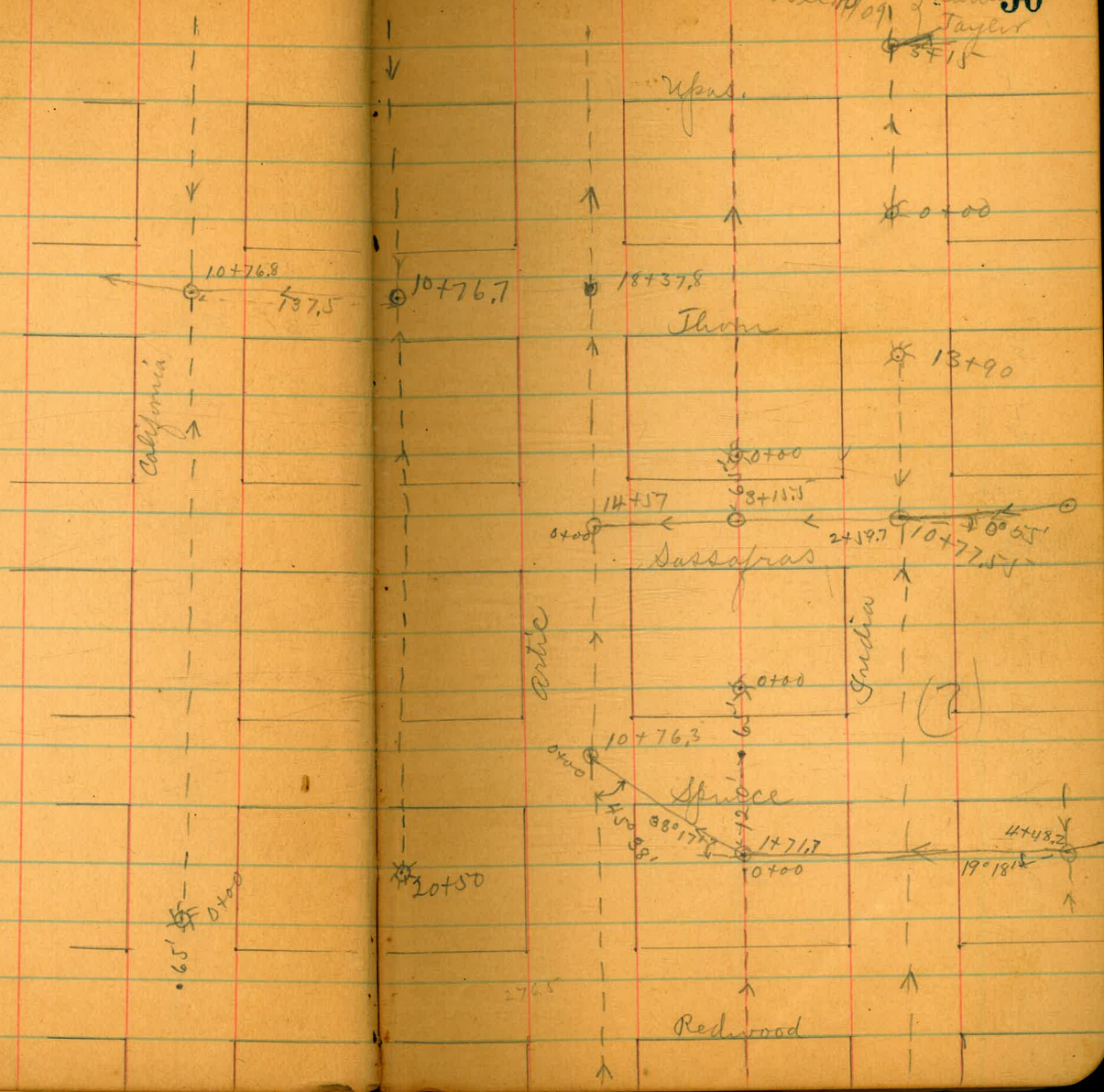
Childs  
Barber  
Jensen 49

Sta.		H.I.	Rod	Elev.
5+00		83.28	3.1	80.2
J.P.	7.85	87.49	3.64	79.64
+50			5.4	82.1
6+00			2.1	85.4
+30	F.S. near window		0.60	86.9
		9.56		
		77.93		

Profile, bladed  
Sheet N. 44



Dec 10/09  
 Childs  
 Barb  
 Taylor  
 50





Harastay

Atung

Barzal

Chalmer

Chalmer

Harastay

Dec. 11/09

Chilled Barber Taylor

51

Winder

637.

36+75

37.5

37.5

0+00

37.1

33+59.2

2+74

14+57.8

Chalmer

17+70

Chalmer

Arctic

India

22+18.1

27+9.1

29+78.3

14+56.5

1+22.5

Willow

0+00

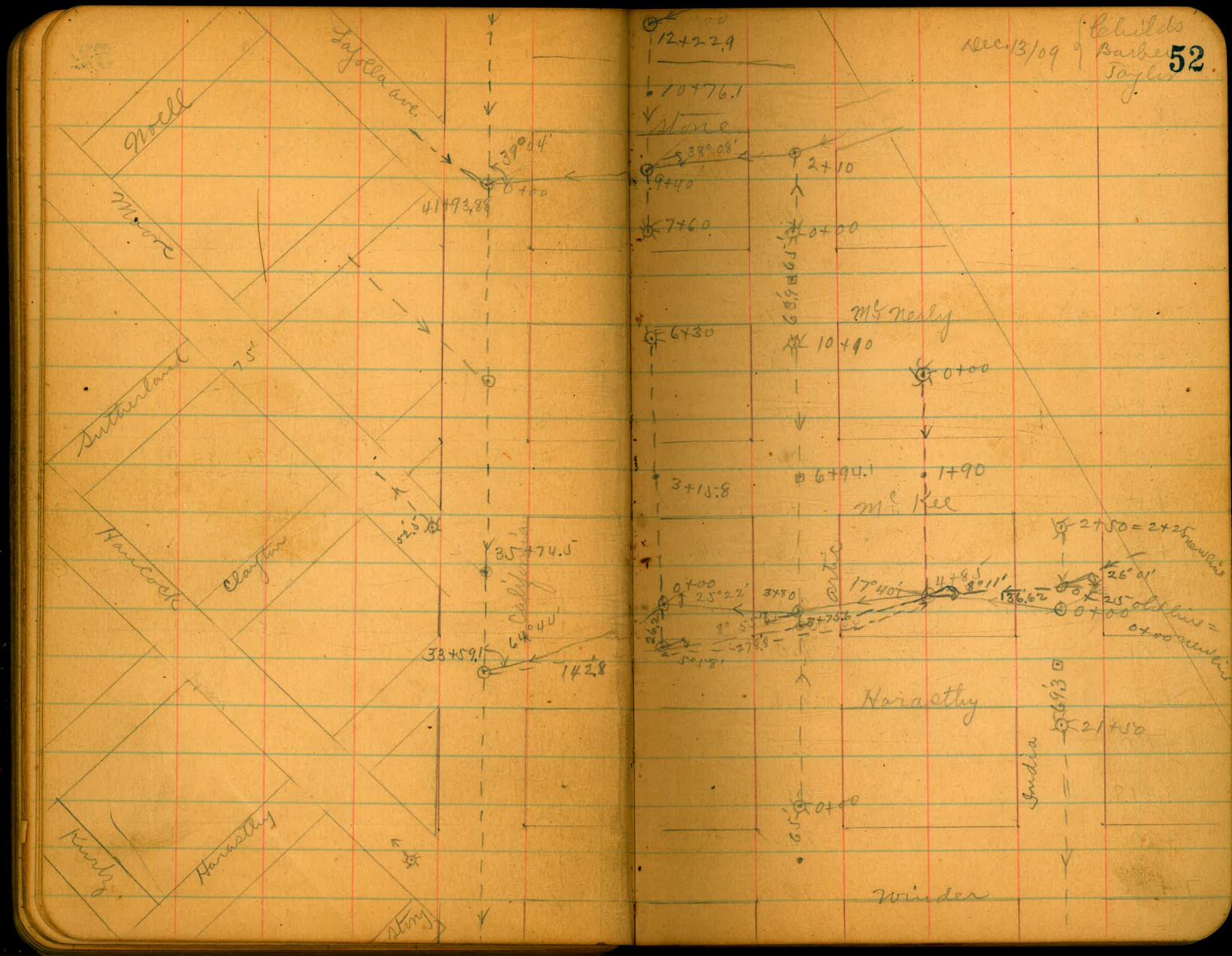
8+90

Vine

Ykas

3+15







Lot line bet. India & Arctic from  
Palm to Chalmers.

Sta.	H.I.	Rod	Elev.
J.P.	3.14	68.53	65.39
0+00	M.H. 120' No. 9 center of spruce	11.01	57.52
+50		4.1	64.4
J.P.	12.74	81.07	68.33
1+00		10.5	70.6
+50		7.7	73.4
2+00		5.5	75.6
+50		5.6	75.5
3+00		5.4	75.7
+50		4.6	76.5
4+00		4.8	76.3
J.P.	6.15	84.84	78.69
+50		8.5	76.3
5+00		9.0	75.8
+50		8.5	76.3
6+00		8.5	76.3
+41.8	center Quince	8.4	76.4
+50		8.4	76.4
7+00		7.9	76.9

Profile plotted  
 sheet 2-45

678  
 Rec 10/09  
 { builds  
 Barber  
 Evans  
 Taylor } 53

Sta.	H.I.	Rod	Elev.
7+50	84.84	5.4	79.4
J.P.	547	86.79	81.32
8+00		6.7	80.1
+50		3.7	83.1
9+00		3.3	83.5
+50	F.S. near palm	5.8	81.0
0+00	F.S. 65' No. 9 center of spruce	73.57	8.18
J.P.	3.01	68.90	65.39
+50		5.5	63.4
1+00		5.2	63.7
+50		4.6	64.3
2+00		3.7	65.2
+50		4.2	64.7
3+00		6.5	62.4
+15.5	M.H. center of Sassafras	7.95	60.95

Profile plotted  
 sheet 2-45



Cont. - from page 53

Sec. 10/19 } Childs  
Baiber  
Evans  
Taylor } 54

Sta.	H.I.	Rod	Elev.	Sta.	H.I.	Rod	Elev.	
0+00	F.I. 65 no. 9 center glass pass	6.890	8.46	60.44	8+00	59.06	4.5	54.6
+50		9.5	59.4	+50		4.0	55.1	
1+00		9.9	59.0	9+00		2.7	56.4	
+50		9.4	59.5	+50		1.4	57.7	
2+00		10.2	58.7	10+00		0.9	58.2	
J.P.	5709	63.89	10.10	58.80				
+50		6.3	59.6	+50		1.4	57.7	
3+00		6.1	59.8	11+00		3.5	55.6	
+50		6.8	59.1	+50		4.8	54.3	
4+00		7.5	56.4	12+00		7.9	51.2	
+50		7.9	56.0	J.P.	5.56	56.90	7.72	57.34
5+00		7.0	56.9	+50		2.7	54.2	
+50		6.3	59.6	+70		3.6	53.3	
6+00		7.4	56.5	13+00		8.9	48.0	
J.P.	274	59.06	5.57	58.32	+50	11.9	45.0	
+50		3.6	55.5	14+00		14.5	42.4	
7+00		3.6	55.5	+50		13.4	43.5	
+50		3.0	56.1	+56.5		13.20	43.70	

Purple Blotched  
Sheet A-45

+56.5 mt. center of  
Willow.



Dec. 11/09

Lilido  
Barber  
Taylor

55

Cont. - from page 54

Sta.	I.T.	Rod	Elev.
15+00	56.90	11.2	45.7
+50		9.1	47.8
16+00		7.0	49.9
+50		3.8	53.1
17+00		3.6	53.3
+50		1.6	55.3
+70	F.I. near Chalmers.	0.9	56.0

68.54  
08  
67.370.36  
56.57 TP  
11.98  
68.52  
0.25  
68.27



Artic street from 65' no. 9  
to bet, McNealy & Storer Sta.

Sta.	H.I.	Rod	Elev.
J.P. 0+00	2.95 68.28		65.33
+50		2.35	66.0
1+00		2.5	65.8
+50		4.2	64.1
1+50		5.6	62.7
2+00		6.1	62.2
+50		5.4	62.9
3+00		7.2	61.1
+15.6		5.70	62.6
+50		5.8	62.5
4+00		4.7	63.6
+50		4.5	63.8
5+00		3.4	64.9
+50		4.8	63.5
6+00		6.1	62.2
+50		5.3	63.0
7+00		4.2	64.1

Profile plotted  
Sheet A-46

center of Palmer

Sta.	H.I.	Rod	Elev.
2+10			
7+50	68.28	4.8	63.5
8+00		4.8	63.5
+50		4.3	64.0
9+00		8.5	59.8
J.P. +50	1.73 57.33	12.68	55.60
+50		2.8	54.5
10+00		3.8	53.5
+50		5.6	51.7
11+00		6.68	50.65
+50		7.2	50.1
12+00		3.3	54.0
+50		4.4	52.9
13+00		4.6	52.7
+50		4.5	52.8
14+00		6.0	51.3
+50		7.3	50.0
+50		7.8	49.5

sec. 11/09  
Childs  
Barber  
Taylor  
56

center of  
Spruce



56 Cont. - from page 56

Sta.	H.I.	Red	Elev.
14+57 m.H. center Daseopus	57.33	5.75	51.58
15+00		7.4	49.9
+50		9.5	47.8
16+00		11.6	45.7
+50		12.8	44.5
J.P.	4.56	12.73	44.60
17+00	49.16	6.1	43.1
+50		7.7	41.5
18+00		9.0	40.2
+37.8 center Thoma		9.49	39.67
+50		9.2	40.0
19+00		8.6	40.6
+50		9.4	39.8
20+00		10.7	38.5
+50		10.7	38.5
21+00		10.0	39.2
+50		8.9	40.3

Dec. 13/09 { Leilids  
Barber  
Taylor } 57

Sta.	H.I.	Red	Elev.
22+00	49.16	8.8	40.4
+50		8.2	41.0
23+00		9.2	40.0
+50		8.9	40.3
24+00		10.9	38.3
+50		12.4	36.8
25+00		11.2	38.0
+50		9.1	40.1
26+00		11.5	37.7
+50		11.2	38.0
27+00		10.1	39.1
+50		8.8	40.4
28+00		11.7	37.5
+50		12.4	36.8
29+00		11.5	37.7
+50		10.7	38.5



Cont. from page 57

Sta.		H.I.	Rod	Elev.
29+78.3	M.H. Center of willow	49.16	10.03	39.13
30+00	15' East of center of art's		10.0	39.2
+50			7.0	42.2
31+00			8.4	40.8
+50			5.2	44.0
32+00			4.8	44.4
J.P.	1323	58.79	3.60	45.66
+50			13.0	45.8
33+00			10.8	48.0
+50			8.8	50.0
+59.2	M.H. Center of Chalmers		8.4	50.4
+81			8.6	50.2
+84			6.0	52.8
34+00			4.8	54.0
+50			4.3	54.5
35+00			2.6	56.2
+50			1.6	57.2

see 13/09. <sup>del Rio</sup> Barb Taylor 58

Sta		H.I.	Rod	Elev.
J.P.		68.37	0.05	58.74
36+00		9.63	9.3	59.1
+50			7.9	60.5
+75	F.I. 637 No. of center grinder		6.90	61.47
J.P.		7.55	69.02	61.47
0+00	F.I. 65' No. of center grinder		5.65	63.4
+50			5.4	63.6
1+00			5.0	64.0
+50			5.0	64.0
2+00			4.9	64.1
+50			4.6	64.4
3+00			5.6	63.4
+50			5.4	63.6
+56			5.1	63.9
+66			10.3	58.7
+80	M.H. bottom of canyon		10.22	58.80
4+00			9.6	59.4

Sheet 20.45  
Profile started



Cont. from page 58

Sta.	H.I.	Rod	Elev.
4+50 J.P.	13.19	69.02	64.5
+75		82.14	0.07 68.95
5+00		10.6	71.5
+50		6.5	75.6
J.P.	13.19	0.8	81.3
6+00		0.03	82.11
+50		9.6	85.7
+50		6.3	85.0
+94.1	Center McKee	3.12	92.2
7+00		2.3	93.0
J.P.	6.08	100.59	0.79 94.67
+50		6.1	94.5
8+00		8.3	92.3
+50		9.0	91.6
9+00		7.4	93.2
+50		6.9	93.7
10+00		5.4	95.2
+10	F.S. 63.9 so. of center of meadow	4.74	95.8

Dec. 13/09

Childs  
Barber  
Taylor 59

Sta.	H.I.	Rod	Elev.
0+00	F.S. 65 north of center of meadow	100.59	1.80 98.8
+50		2.6	98.0
J.P.	2.46	94.27	8.78 97.81
1+00		1.5	92.8
+50		7.5	86.8
2+00		11.8	82.5
+10	mt. bottom of canyon	12.50	81.77

0.38  
100.21 TP  
13.27  
113.48  
1.05  
112.45 TP

Profile started  
Sheet A-45



Lot. line bet. India & Arctic  
 Mc Kee to sta. 4+85 south of

from 290° north of  
 Mc Kee

Dec. 14/09  
 Shields  
 Taylor  
 Schuber 60

Sta.		H.T.	Rod	Elev.
J.P.	4.30	116.75		112.45
0+00	F.S. 190' no. 9		0.4	116.3
	Center of M.S. Kee.			
+50			0.8	116.0
1+00			1.1	115.7
+50			4.0	112.8
+90	Center M <sup>c</sup> Kee		6.9	109.9
2+00			7.8	109.0
J.P.	0.60	104.38	12.97	103.74
+50			0.8	103.6
3+00			5.4	99.0
+50			9.9	94.5
J.P.	0.12	91.66	12.84	91.54
J.P.	0.14	79.00	12.80	78.86
4+00			2.1	76.9
J.P.	5.76	71.86	12.90	66.10
+50			6.6	65.3
+85	M.H. Bottoming Campfire		8.24	63.62

5.76  
 71.69  
 13.10  
 58.59

843  
 63.43  
 71.86  
 13.06  
 58.80  
 820  
 63.62

71.86  
 5.76  
 66.10

Profile plotted Sheet A-116



India street from 65' north of  
to Mc Kee.

Sta.	H.I.	Rod	Elev.
J.P. 0+00	0.61 103.95	2.1	103.34 101.8
+50		2.7	101.2
1+00		3.4	100.5
+50		4.1	99.8
2+00		4.8	99.1
+50		5.4	98.5
3+00		6.1	97.8
+50		6.7	97.2
4+00		8.6	95.3
+50		10.6	93.3
5+00		12.5	91.4
J.P. +50	0.11 91.69	12.37	91.58
+50		2.5	89.2
6+00		4.5	87.2
+50		6.2	85.5
7+00		6.8	84.8
+50		6.5	85.2

Street A-45

Center of Quince

Dec. 14/09

Childs  
Taylor  
Lambert  
**61**

Sta.	H.I.	Rod	Elev.
8+00	91.69	6.9	84.8
+50		7.0	84.9
9+00		7.2	84.5
+50		7.3	84.4
10+00		7.4	84.3
+50		7.6	84.1
+77.55 J.P.	93.78	7.53	84.16
11+00		9.6	84.2
+50		9.2	84.6
12+00		8.6	85.2
+50		8.1	85.7
13+00		7.2	86.6
+50		6.6	87.2
+90		6.1	87.7

M.H. Center of  
Assaf 9.602.

Ft. near Thom



52

Cont. from page 61

Sta.		H.I.	Rod	Elev.	Sta.
0+00	I.S. 3 1/2' sq.	93.78	6.3	87.5	7+50
+50	center of pipe.		6.9	86.9	8+00
1+00			7.8	86.0	+50
+50			8.5	85.3	+90
2+00			9.5	84.3	9+00
+50			10.3	83.5	+50
3+00			10.9	82.9	10+00
+15	M.H. center of pipe.		10.71	83.07	+50
J.P.	4.4/1	87.42			
+50			4.4	83.0	11+00
4+00			4.5	82.9	+50
+50			4.6	82.8	12+00
5+00			4.8	82.6	+50
+50			5.1	82.3	13+00
6+00			5.2	82.2	+50
+50			5.2	82.2	14+00
7+00			5.8	81.6	+50

Dec. 14/09

Schields  
Taylor 62  
Humbert

H.I.	Rod	Elev.
87.42	6.7	80.7
	8.5	78.9
	10.2	77.2
11.45		75.97
J.P.		
0.86	76.83	
	1.2	75.6
	2.7	74.1
	4.5	72.3
	5.8	71.0
	6.7	71.1
	6.2	70.6
	6.8	70.0
	7.5	69.3
	8.2	68.6
	9.0	67.8
	9.5	67.3
	9.7	67.1

M.H. about 7' deep.

Profile plotted  
Sheet A-47



Dec. 15/09 *Lehilds Barber Taylor* 63

cont. from page 62

Sta.		H.I.	Rod	Elev.	Sta.	H.I.	Rod	Elev.
14+57.8	M.H. center	<u>76.83</u>	9.70	67.13	0+00	M.H. 65' no. 9	5.8	73.9
J.P.	Chalices	<u>79.73</u>				Center of Hardisty	10.8	68.9
15+00			12.4	67.3	+50			
+50			10.5	69.2	+87		4.8	74.9
16+00			8.8	70.9	1+00		2.1	77.6
+50			6.9	72.8	J.P.	12.20	91.03	0.94
					J.P.	12.51	<u>103.22</u>	0.32
					+50			6.5
					J.P.	12.81	<u>115.79</u>	0.24
17+00			5.0	74.7	2+00			2.1
+50			3.2	76.5	J.P.	10.05	<u>123.99</u>	1.85
18+00			1.5	78.2	+50	F.I. near McKee		1.7
+50			1.6	78.1				
19+00			1.5	78.2				
+50			1.4	78.3				
20+00			1.3	78.4				
+50			1.2	78.5				
21+00			1.1	78.6				
+50	F.I. 69.3 So. Center of Hardisty		1.0	78.7				

Profile Shelled  
Sheet A-47

7.36  
636



California Street from 65' no.  
Sta. 49+00 near Jefferson

Sta.	H.I.	Red	Elev.
J.P.	19.5	34.19	82.24
0+00	F.S. 65' no. of Center of Redwood	0.1	34.1
+50		1.0	33.2
1+00		0.5	33.7
+50		0.7	33.5
2+00		1.1	33.1
+35		1.4	32.8
+50		6.6	27.6
3+00		7.2	27.0
+50		5.7	28.5
4+00		6.4	27.8
+50		7.0	27.2
5+00		7.5	26.7
+50		8.6	25.6
6+00		9.0	25.2
+50		11.4	22.8
7+00		11.5	22.7

Profile sheet 20-48  
 Profile sheet 20-48

of Redwood to

Dec. 15/09  
 Shields  
 Barber  
 Taylor **64**

Sta.	H.I.	Red	Elev.
7+50	34.19	11.8	22.4
8+00		13.1	21.1
+50		13.1	21.1
J.P.	5.41	26.61	12.99
9+00		6.2	20.4
+50		6.4	20.2
10+00		5.9	20.7
+50		6.3	20.3
+76.8	M.H. center them	6.98	19.68
11+00		7.1	19.5
+50	must be 12' deep	7.7	18.9
12+00		8.1	18.5
+50		7.5	19.1
13+00		6.6	20.0
+50		5.4	21.2
14+00		4.8	21.8
+50		4.1	22.5



64

Cont. from page 64

Sta.	H.I.	Rod	Elev.
15+00	<u>26.61</u>	4.8	21.8
+50		5.9	20.9
16+00		8.7	17.9
+50		9.9	16.7
17+00		9.4	17.2
+50		8.2	18.4
18+00		6.6	20.0
J.P.	9.66 <u>29.68</u>	6.59	20.02
+50		8.3	21.4
19+00		7.7	22.0
+50		7.2	22.5
20+00		7.3	22.4
+50		6.8	22.9
21+00		6.6	23.1
+50		5.3	24.4
22+00		4.9	24.8
+18.1		4.90	24.78

N.H. center of  
willow

Dec. 15/09

Bluids  
Barth 65  
Taylor

Sta.	H.I.	Rod	Elev.
22+50	<u>29.68</u>	4.2	25.5
23+00		2.9	26.8
+50		2.4	27.3
24+00		1.1	28.6
J.P.	12.23 <u>41.73</u>	0.18	29.50
+50		11.9	29.8
25+00		9.5	32.2
+50		8.2	33.5
26+00		6.5	35.2
+50		4.0	37.7
27+00		2.4	39.3
+50		1.7	40.0
J.P.	12.53 <u>53.48</u>	0.78	40.95
28+00		11.3	42.2
+50		10.9	42.4
29+00		10.7	42.8
+50		10.7	42.8
30+00		10.1	43.4



30

Cont. - from page 65

Sta.	H.I.	Rod	Elev.
30+22	53.48	10.5	43.0
+25		8.5	45.0
+50		8.3	45.2
31+00		7.4	46.1
+50		6.8	46.7
32+00		6.3	47.2
+50		5.6	47.9
33+00		4.7	48.6
+50		3.4	50.1
+59.1	M.H. center of Haradity	3.33	50.15
34+00		4.8	48.7
+30		2.4	51.1
+50		2.6	50.9
35+00		2.3	51.2
J.P.	12.97	63.58	2.57
+50		11.2	52.7
+74.5	M.H. center of 15' east center of moor.	10.67	53.21

292.15  
327.43

Dec. 16/09

Calif. Bunker  
Jagers 66

Sta.	H.I.	Rod	Elev.
36+00	63.58	10.0	53.9
+50		8.7	55.2
37+00		7.7	56.2
+50		6.9	57.0
38+00		6.2	57.7
+50		5.2	58.7
+66.65	M.H. lot line bet. moor & Jagers ave.	4.0	59.9
39+00		3.0	60.9
+50		1.7	62.2
40+00		0.4	63.5
J.P.	12.24	75.37	0.75
41+00		11.1	64.3
+50		10.6	64.8
+93.88	M.H. center Jagers ave. + at center line	10.05	65.32
42+00		9.9	65.5
+50		10.0	65.4
43+00		8.5	66.9



sec. 16/09 {  
 Childs  
 Barb 67  
 Fayard

Cont. - from page 66

Sta.	H.I.	Rod	Elev.
43+50	75.37	7.6	67.8
44+00		3.0	72.4
J.P.	12.99	87.89	0.47 74.90
+50		9.1	78.8
+98.2	Center Stone	1.0	86.9
45+00		0.9	89.0
J.P.	13.07	100.90	0.06 87.83
+50		6.9	94.0
J.P.	12.73	113.54	0.09 100.81
46+00		13.8	99.9
+50		6.9	106.6
47+00		1.0	112.5
J.P.	12.76	126.14	0.16 113.38
+50		6.6	119.5
J.P.	12.69	138.77	0.06 126.08
48+00		11.0	129.8
+50		3.1	135.7
J.P.	7.66	145.12	1.31 137.46
49+00	J.I. near north line of Jefferson & center of cove.	3.3	141.8



Lot. line bet. artic & California  
to Sta 12+00 north of Stone

Sta.	J.P.	H.T.	Rod	Elev.
0+00	J.P.	1.79	65.22	63.43
+23			8.32	56.90
+36			9.2	56.0
+50			15.4	49.8
1+00			12.7	52.5
+50			8.9	56.3
			5.1	60.1
2+00	J.P.	12.72	77.92	0.6
+50			0.02	65.20
			9.2	68.7
3+00			6.1	71.8
+15.8			6.1	71.8
+50			7.1	70.8
4+00			7.5	70.4
+50			6.8	71.1
5+00			4.9	73.0
+50			1.3	76.6
J.P.		6.38	84.18	0.12
6+00			5.3	78.9

Profile plotted  
Sheet A-47.

from 65' north of <sup>center of</sup> Hardisty  
Dec. 16/09

Childs  
Barb  
68  
Jays

Sta.	J.P.	H.T.	Rod	Elev.
6+30	J.P.	84.18	3.95	80.2
7+60			3.93	80.2
8+00			4.5	79.6
+50			8.7	75.4
9+00			12.1	72.0
+40			9.32	74.86
+50	J.P.	12.66	96.83	7.2
			0.01	76.9
10+00	J.P.	12.78	109.28	8.4
			0.33	88.4
+50			8.4	100.9
+76.1			3.0	106.3
11+00	J.P.	12.10	121.27	0.2
			0.11	109.1
+50	J.P.	7.13	128.63	3.5
			0.07	117.8
12+00			4.82	123.81
+229			2.43	126.20



Willow street from <sup>15' East of</sup> Center artie to  
Center California.

Sta.		H.I.	Rod	Elev.
0+00	m.H. 15' East of center artie	44.63	5.53	39.10
0+25			4.8	39.8
+35			7.1	39.5
+50			7.5	39.1
1+00			10.1	34.5
+50			12.7	31.9
J.P.	1.87	33.65	12.85	31.78
2+00			2.5	31.1
+50			5.0	28.6
+89.9	m.H. center California		8.85	24.90
J.P.	0.93	44.63		43.70
0+00	m.H. 15' East of center of artie		5.53	39.1
+50			4.3	40.3
1+00			2.1	42.5
+22.5	m.H. lot line bet India & artie		0.93	43.70

Pole staked  
Sheet A-49

Sheet A-49

Dec 16/09

Childs  
B. 69  
Tangier

Span from lot line bet. California & artie to center California Sta

Sta		H.I.	Rod	Elev.
0+00	m.H. lot line bet. cal. & artie.	23.76	1.86	21.90
+50			6.9	16.9
+85			12.0	11.8
1+00			9.2	14.3
+12			2.7	21.0
+20			1.3	22.4
+37.5	m.H. center California		4.11	19.65

see page 80 for outfall

Pole staked  
Sheet A-49



Lot. line bet. Arto's & California  
of Willard to Sta. 20+50 bet.

Sta.	H.I.	Rod	Elev.
0+00	F.S. 65' So. of Center of Willard	33.65	22.3
+50		3.3	31.4
1+00		3.7	29.9
+50		3.8	29.8
2+00		2.9	30.7
+50		3.1	30.5
3+00		4.1	29.5
+50		5.5	28.1
4+00		7.2	26.4
+50		8.0	25.6
5+00		7.8	25.8
+50		6.7	26.9
6+00		5.5	28.1
+50		6.0	27.6
7+00		4.7	28.9
+50		5.9	27.7

Profile plotted  
Sheet A-49

from 65' So. of Center  
Spruce & Redwood  
Dec. 17/09  
Childs  
Barber  
70  
Taylor

Sta.	H.I.	Rod	Elev.
8+00	33.65	6.2	27.4
+50		7.6	26.0
9+00		9.7	23.9
+50		11.1	22.5
10+00		12.1	21.5
+50		11.9	21.7
+76.7	M.H. Center of I.P. 11.65	11.75	21.90
11+00	33.55	11.2	22.3
+50		10.1	23.4
12+00		8.9	24.6
+50		5.7	27.8
13+00		3.2	30.3
+50		0.4	33.1
14+00	11.47	45.02	0.00 33.55
+50		10.6	34.4
15+00		12.0	33.0
+50		9.8	35.2



Cont. from page 70

Sta.	H.L.	Rod	Elev.
15+50	<u>45.02</u>	8.7	36.3
16+00		6.2	38.8
+50		6.5	38.5
17+00		7.2	37.8
+50		5.9	39.1
18+00		4.5	40.5
+50		4.3	40.7
19+00		1.9	43.1
+50		1.8	43.2
20+00		2.7	42.3
+50	F.S. bet. Spruce & Redwood	0.4	44.6

rec'd 17/09 { Leibold  
Barber 71  
Taylor

20 50  
0.267  
9.73.3



Carry line from center of  
to center of Horton ave.

Sta.	J.P.	S.W.	H.I.	Rod	Elev.
0+00			63.02	12.48	57.52
+50				0.7	52.3
1+00				7.2	55.8
+50				5.5	59.5
+71.7				5.50	57.52
2+00				3.4	59.6
J.P.		12.86	75.67	0.21	62.81
+36				12.3	63.4
+50				3.0	72.7
J.P.		12.64	88.06	0.25	75.42
+72				0.5	89.6
3+00				0.5	89.6
J.P.		3.63	90.05		86.42
+46				0.0	90.1
+50				2.7	89.4
J.P.		5.36	82.89	12.52	77.59
+73				11.1	71.8
4+00				11.3	71.6
+48.2				9.42	73.47
+50				9.3	73.6

Profile bladed  
Sheet 2-50

Artic & Spruce

Dec. 17/09  
Childs  
Barber  
Taylor  
72

Sta.	J.P.	H.I.	Rod	Elev.	
5+00			7.5	74.4	
+50			5.0	77.9	
+89.2			3.22	79.67	
6+00			3.1	79.8	
J.P.		12.77	94.94	0.72	82.17
+50			12.6	82.3	
7+00			10.8	84.1	
+27.3			9.59	85.35	
+50			8.7	86.2	
8+00			5.9	89.0	
+50			4.4	90.5	
+88.3			0.98	93.96	
J.P.		106.91		12.9	94.0
9+00			10.1	96.8	
+50			6.3	100.6	
10+00			3.5	103.4	
+67.7			2.11	104.80	



Cont. from page 72

Dec. 17/09 { Childs  
Barber  
Taylor 73

Sta	Sta.	H.I.	Rod	Elev.
0+	11+00	13.04	0.13	106.78
	+50		12.9	106.9
	+50		8.6	111.2
1+	12+00		5.5	114.3
	+50		3.7	116.1
	+60.2	M.H. Sta. 5+50 on ante Union	3.88	115.94
2	13+00		3.1	116.9
	+50		3.2	116.6
	14+00		2.5	117.3
	+39.8	M.H. Sta. 4+50 on lot line bet. Union & Horton 11.25	1.68	118.14
3	15+00	129.39	10.9	118.5
	+50		10.3	119.1
	+50		8.9	120.5
	16+00		7.3	122.1
4	17+00		5.7	123.7
	+50		3.3	126.1
	+11.8	M.H. Sta. 10+00 on Horton ave. line	2.66	126.73



Canyon line from center of  
to center state bet. Sassafras

Sta.	H.I.	Rod	Elev.
0+00 J.P.	64.67	13.09	51.58
+50		9.5	55.2
1+00		5.3	59.4
+22.5 M.H. Sta. 3+15.5 on lot line bet. India & Artie.		3.65	61.02
+50 J.P.	76.99	0.25	64.42
2+00 J.P.	89.67	0.12	76.87
+23		6.8	82.9
+50		6.1	83.6
+59.7 M.H. Sta. 10+77.5 on India street		5.47	84.20
3+00		6.1	83.6
+50 J.P.	102.26	0.09	89.58
+97.5 M.H. Sta. 7+63 on lot line bet. India & Columbia		10.45	91.81
4+00		10.1	91.9
+50 J.P.	114.82	0.12	98.4
5+00		8.7	106.1
+43.6 M.H. Sta. 11+30 on Center Columbia		5.07	109.75

Artie & Sassafras  
& Thom Dec. 18/09  
Jelilids Barber 74  
Tayson

Sta.	H.I.	Rod	Elev.
5+50 J.P.	127.16	0.37	114.46
6+00		11.7	115.5
+50		7.1	120.1
+92.3 M.H. Sta. 2+50 on lot line bet. Columbia & State.		2.53	124.63
7+00 J.P.	140.13	0.06	127.10
+50		6.7	133.4
8+00 J.P.	152.57	0.04	140.0
J.P.	161.74	2.17	150.40
+50		9.2	152.5
+66.2 M.H. Sta. 1+50 on Center State.		3.93	157.81

Profile plotted  
Sheet A-50



Carryover line from center <sup>map</sup>  
 on 87 line bet. Columbia & State

Sta.	J.P.	H.I.	Red	Elev.
0+00	must be about 7' deep M.H. Sta 3+15 on center India	4.24 87.83	4.76	83.59 83.07
+40			4.3	83.5
+50			7.8	80.0
+75			9.7	78.1
1+00			8.4	79.4
+48.4	M.H. Sta. 3+70 on lot line bet. India & Columbia		4.11	83.72
+50			4.1	83.7
J.P.			0.20	87.63
2+00	11.99	99.62	11.0	88.6
+50			5.9	93.7
+85.5	M.H. Sta. 3+75 on center Columbia 13+00	110.56	2.06	97.56
J.P.			11.8	98.8
3+00			7.3	103.3
+50			2.1	108.5
4+00			0.08	110.48
+24.2	M.H. Sta 3+91 on lot line bet. State & Columbia			

& India to sta 3+91

Dec. 18/09

Childs  
 Barlow  
 Taylor

Profile started  
 sheet 8-149



Campfire line from sta. 8+90  
Sta 21+35 on center Union

Sta.	H.I.	Rod	Elev.
J.P.	6.36 about 7' deep		81.06
0+00	M.H. center India Sta. 8+90	11.44	75.98
+50		10.5	76.9
1+00		10.1	77.3
+50		9.3	78.1
2+00		8.5	78.9
+50		7.5	79.9
+80	M.H. in Columbia	6.76	80.9
3+00		6.0	81.4
+50		3.1	84.3
J.P.	12.80 100.09	0.13	87.27
4+00		12.1	88.0
+50		8.9	91.2
5+00		3.4	96.7
J.P.	12.66 112.55	0.20	99.89
+50		9.7	102.8
+66.1	M.H. center State street Sta 12+40	3.43	109.12
6+00		3.7	108.8
+50		1.6	111.0

on India to  
street

Dec. 29/09  
Childs Barber 76  
Tayes

Sta.	H.I.	Rod	Elev.
J.P.	13.08		
7+00	125.34	0.26	112.29
		16.5	108.8
		11.7	113.6
+50		5.5	119.8
+54.8	M.H. Sta 0+00 on lot line bet. State & Union 12.52	4.95	120.39
J.P.	135.90	1.91	123.43
8+00		11.9	124.0
+50		6.2	129.7
+92.3	M.H. Sta 21+35 on Union street	0.42	135.53

Public plotted  
Sheet 1-51



Canyon line from center of  
to Sta. 18+75 on State street line

Sta.		H.I.	Rod	Elev.
J.P.	0.120	68.49		68.29
0+00	M.H. Sta 33+59 on Archie		18.1	50.4
+50			15.0	53.5
1+00			12.6	55.9
+50			9.0	59.5
2+00			5.3	63.4
+50			2.1	66.4
+74	M.H. Sta. 14+52 on India		1.38	67.11
3+00			1.0	67.5
J.P.	12.67	80.96		68.29
+46			10.2	70.8
+50			7.1	73.9
+53			5.0	76.0
+58			4.2	76.8
+72			9.6	71.4
4+00			10.1	69.9
+1.9	M.H. Sta 3+15 on lot line bet India & Columbia		8.84	72.12
+40			4.1	76.9

Sheet A-57  
Archie Bladed

Archie & Chalmers,  
Dec. 20/09  
Schiller  
Barber  
Taylor

Sta.		H.I.	Rod	Elev.
4+50		80.96	8.3	77.7
5+00			0.2	80.8
J.P.	13.02	93.84		80.82
+50			8.1	85.7
+51.7	M.H. Sta. 2+90 on Columbia		8.00	85.84
6+00			6.5	87.3
J.P.	13.03	106.30		93.27
+50			11.8	94.5
7+00			7.5	98.8
+50			3.0	103.3
8+00			1.3	105.0
J.P.	4.85	110.92		106.07
+32.6	M.H. Sta. 18+75 on State		2.30	108.57



Canyon line from center  
Harasity to Sta. 0+00 center India

Sta.		H.I.	Rod	Elev.
0+00	M.H. Sta. 33758.1m California	62.77	13.62	50.15
+50			11.3	51.5
1+00			9.9	51.9
+21			9.4	53.4
+24			7.3	55.5
+50			5.9	56.9
+51.9	M.H. Sta. 0+00 m lot line bet. artic & California	5.85	56.92	
+60			10.0	52.8
+85			9.4	53.4
2+00			12.1	50.7
+37			11.8	51.0
+50			9.8	53.0
+89.2	M.H. Sta. 3+80 m artic	4.00	58.77	
3+00			3.3	59.5
J.R.	12.01	74.62	0.16	62.61
+50			11.0	63.6
4+00			11.7	62.9

566

California and  
925' south of Harasity

Dec 20/09

Elev. to  
Bar 78  
Taper

Sta.		H.I.	Rod	Elev.
4+283	M.H. Sta. 4+85 m lot line bet. artic & India	74.62	11.00	63.62
+50			9.5	65.1
+65	J.R.	3.28	77.85	8.5
+85			0.05	66.1
			2.9	74.57
5+00			2.0	74.9
+34			0.9	75.8
+50			4.2	76.9
+66.5	M.H. Sta. 0+00 m India 25' no. of Harasity		3.8	73.6
				74.0



Campfire line from center californ  
to center arctic just south of Stone

nia & Lapolla ave.  
street,

Dec. 21/09

Childs  
Barber 79  
Taylor  
Edwards

Sta.	H.I.	Rod	Elev.
0+00	M.H. Sta 41+93.88 mi california street	77.16	11.84 65.32
+50			9.6 67.6
1+00			7.5 69.9
+50			6.3 70.9
2+00			4.1 73.1
+18	M.H. Sta 9+40 mi	83.18	2.32 74.84
J.P.	lot line bet. arctic 5.34		6.2 79.0
+50	california		4.9 78.7
+85			7.4 75.8
3+00			2.0 81.2
+50			1.41 81.77
+58.6	M.H. Sta 2+10 on arctic street		

Childs  
Barber 79  
Taylor  
Edwards



Thom Street outfall  
from page 69

Sta.		H.I.	Rod	Elev.
0+00	M.H. center California & Thom	<u>20.07</u>	0.39	19.68
+17			8.8	11.3
+50			8.7	11.4
+77			9.0	11.1
+83			6.1	14.0
+86.5	30' 00" L M.H. center of old Tom Scott RR, & center of Thom		5.97	14.10
+91			6.0	14.1
+101			10.3	9.8
J.P.	2.45	<u>9.84</u>	12.68	7.39
+10			11.5	-1.7
J.P.	+0.49	<u>-0.84</u>	11.17	-1.33
+50			5.5	6.5
2+00			5.7	-6.5
3+00			7.0	-7.8
4+00			8.9	-9.7
5+00	water level. at		9.6	-10.4
6+00	3:35 PM Nov. 17 <sup>th</sup> /10		10.0	-10.8

79 1/2  
Nov. 17/10  
Childs  
Barber  
Fayler



#400

129.5

761.5  
258.5  
1020.0

60.95  
61  
61.56  
10.37  
71.93

1400  
1141.5  
258.5  
783.0

1141.5  
882.5  
783.0

86.42 B.M.

10.07

96.43 ✓

0.05

96.38 5P.

12.86

109.24 ✓

0.01

109.23 J.P. - quarter

10.34 ✓

119.57

4.06

115.51 J.P.

5.52

121.03 ✓

4.29

116.74 J.P.

12.98

129.72 H.I.

86.42 B.M.

86.40 H.I.

12.95

73.45 5P.

0.12

73.57 ✓

80  
37.5  
36.75

69

700

375

63.82

63.43

0.39

6358





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TRAVERSE TABLE FOR TRANSIT BOOK.  
From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		½ DEGREE.		¼ DEGREE.		¼ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0	99.98	1.75	100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.94	3.49	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.86	5.23	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.76	6.98	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.62	8.72	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.45	10.45	99.41	9.15	99.36	9.58	99.50	10.02	84
6	99.25	12.19	99.20	10.89	99.14	11.32	99.31	11.75	83
7	99.03	13.92	99.07	12.62	99.14	13.05	99.09	13.49	82
8	98.77	15.64	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.48	17.36	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.16	19.08	98.40	17.79	98.33	18.22	98.25	18.65	79
11	97.81	20.79	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.44	22.50	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.03	24.19	97.34	22.92	97.24	23.34	97.13	23.77	76
14	96.59	25.88	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.13	27.56	96.48	26.30	96.36	26.72	96.25	27.14	74
16	95.63	29.24	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.11	30.90	95.50	29.65	95.37	30.07	95.24	30.49	72
18	94.55	32.56	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.97	34.20	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.36	35.84	93.82	34.61	93.67	35.02	93.51	35.43	69
21	92.72	37.46	92.55	36.24	92.39	36.65	92.88	37.06	68
22	92.05	39.07	91.88	37.86	91.71	38.27	92.22	38.67	67
23	91.35	40.67	91.18	39.47	91.00	39.87	91.53	40.27	66
24	90.63	42.26	90.45	41.07	90.26	41.47	90.81	41.87	65
25	89.88	43.84	89.69	42.66	89.49	43.05	89.07	43.44	64
26	89.10	45.40	88.90	44.23	88.70	44.62	88.30	45.01	63
27	88.29	46.95	88.09	45.79	87.88	46.17	87.50	46.56	62
28	87.46	48.48	87.25	47.33	87.04	47.72	86.87	48.10	61
29	86.60	50.00	86.38	48.86	86.16	49.24	86.82	49.62	60
30	85.72	51.50	85.49	50.38	85.26	50.75	85.94	51.13	59
31	84.80	52.99	84.57	51.88	84.34	52.25	85.04	52.62	58
32	83.87	54.46	83.63	53.36	83.39	53.73	84.10	54.10	57
33	82.90	55.92	82.66	54.83	82.41	55.19	83.15	55.56	56
34	81.92	57.36	81.66	56.28	81.41	56.64	82.16	57.00	55
35	80.90	58.78	80.64	57.71	80.39	58.07	81.16	58.42	54
36	79.86	60.18	79.60	59.13	79.34	59.48	80.13	59.83	53
37	78.80	61.57	78.53	60.53	78.26	60.88	79.07	61.22	52
38	77.71	62.93	77.44	61.91	77.16	62.25	77.99	62.59	51
39	76.60	64.28	76.32	63.27	76.04	63.61	76.88	63.94	50
40	75.47	65.61	75.18	64.61	74.90	64.94	75.76	65.28	49
41	74.31	66.91	74.02	65.93	73.73	66.26	74.61	66.59	48
42	73.14	68.20	72.84	67.24	72.54	67.56	73.43	67.88	47
43	71.93	69.47	71.63	68.52	71.33	68.84	72.24	69.15	46
44	70.71	70.71	70.41	69.78	70.09	70.09	71.02	70.40	45
45									

Handwritten notes and calculations on the left page of the notebook. Includes numbers like 760, 3496, 37.05, 25.19, 79.73, 3.69, 10.78, 3.80, 14.58, 228.27, 10.78, 3.80, 14.58, 115.53, 3.53, 119.06, 275, 760, 250, 14.50, 2155, 15.90, 79.46, and various other scribbles and lines.

M  
500 R

26° 35'

Center Hank 9200

(3.5)

936

7843

79.46