

831

F.B.
831

LEWEL BOOK

No. 410

IND

831

MICROFILMED

DEC 15 1964

RETURN TO CITY ENGINEER'S
CITY HALL, SAN DIEGO, C.

8

MI

101 26 30
35 17 30
137 44 00
43 16

78° 33' 30"
35 17 30
113 51 00

Senior & Alley bet Arnold's Walker from F.T. 50's
of University To & Dwight thence W on &
Dwight to & Arizona

13.m.	bolt	N.E. Cor	Hamilton's	Univ	311.51	Grade
572	+ R	H.I	- R	612.7		
13.m.	1.34	312.85				
0+0 F.T.			4.4	308.9	303.00	
+50			6.3	306.5	302.42	
1+0			7.6	305.2	301.84	
1+25	= M.H. See page 5		7.9	304.9	301.26	
2+0			7.1	305.7	300.62	
2+50	M.H. & Dwight		7.2	305.6	300.33	
+50			7.2	305.6	300.10	
3+0			7.1	305.7	299.52	
+50 T.P.	580	309.66	8.97	303.86	298.94	
4+0			5.5	304.2	298.36	
+50			6.1	303.6	297.78	
5+0			10.8 H	298.7	House	
5+0			15.12	304.4	297.20	
+50			5.0	304.7	296.6	
5+60	M.H.		5.3	304.4	296.50	
6+0			7.7	302.0	296.29	
+50			7.55	302.11	296.03	
7+0			10.8 H	299.2	House	
			6.5	303.2	295.76	

Pages 230-32

1

RETURN TO THE
CITY HALL, SAN DIEGO, CAL.

Cut	306.66	306.66	306.66	306.66
	295.76	296.03	296.29	296.50
	10.90 ✓	10.63 ✓	10.37 ✓	10.16 ✓
5.4 ✓	306.66	306.66	306.66	306.66
	296.62	297.20	297.78	298.36
4.1 ✓	10.04 ✓	9.46 ✓	8.88 ✓	8.30 ✓
3.4 ✓	303.86			
	6.59			
3.6 ✓	310.45 = M.H.			
	298.94			
5.0 ✓	11.51 ✓	310.45		
		299.52		
5.3 ✓		10.93		
			310.45	
			298.10	
			10.35	
5.5 ✓	303.86			
	5.59			
6.2 ✓	309.45 = M.H.			
	299.52			
4.9 ✓	9.93 ✓			
5.8 ✓	309.45			
	301.55			
	7.90 ✓			
5.8 ✓	309.45			
	301.26			
	8.19 ✓	309.45		
7.3 ✓		301.84		
		7.61 ✓		
8.1 ✓			309.45	
			303.00	
7.9 (Left out)			6.45 ✓	
5.7 ✓				
6.1 ✓				
7.4 ✓				

309.66

7+50		6.7	303.0	295.50	
8+0		7.9	301.8	295.23	
		(0.3)	299 A	House	
+50		8.3	301.4	294.97	
8+90 ²	M.H. & Landis	8.3	301.4	294.76	
9+0 T.P.	1.88	303.97	8.07	301.59	294.71
+50		3.0	300.5	294.95	
10+0		3.4	300.1	294.18	
+50		3.87	299.60	293.92	
11+0		3.6	299.9	293.65	
+50		2.9	300.6	293.39	
12+0		4.54	298.93	293.13	
12+20 ²	M.H.	5.1	298.4	293.00	
12+50		5.3	298.2	292.57	
13+0	B.M.	6.10	297.37	291.55	
+50		7.2	296.3	291.83	
14+0		9.4	294.1	290.44	
+50		10.81	291.66	289.10	
15+0		11.80	291.67	287.77	
15+50 ²	M.H. & Doughty	12.70	290.8	286.96	
T.P.	0.90	292.57	11.80	291.67	

90.02 90.02 2

86.46
3.56

292.66	293.06	293.06	293.06	293.06	293.06	293.06
5.22	86.46	287.77	287.77	287.77	287.77	287.77
298.06 M.	11.60	10.22	8.22	7.66	6.73	
4.21						
	297.37					72
	4.69					72
	302.06 M.			302.06		
	291.13			291.85		
	10.93			10.21		
	302.06	302.06				
	292.57	293.00				
	9.49	9.06				
	297.37			303.73		27
	6.36			292.57		24
	303.73 = H.			11.16		
	293.00					
	10.73			303.73	303.73	
				293.12	293.39	
				10.51	10.34	
	303.73	303.73				
	293.65	293.92		303.73		
	10.08	9.81		294.18		
				9.55		
	303.73	303.73				
	294.45	294.71		306.42		
	9.28	9.02		294.71		
				12.24		
	297.60					
	6.82					
	306.42 = H.			306.42	306.42	
	293.92			294.18	294.45	
	12.50			12.24	11.94	
	306.42	306.42	306.42			
	294.71	294.76	294.97			
	11.71	11.66	11.45			
	306.42			301.59		
	295.23			5.07	306.66	
	11.19			306.66 M.	295.50	
				295.23	11.16	
				17.43		

292.57

16+0	3.2	289.9	285.14	4.3 ✓
+50	4.8	287.8	283.82	4.0 ✓
17+0	5.6	287.0	282.07	4.5 ✓
17+20 <i>bank</i>	5.8	286.8	282.00	4.8 ✓
+50	6.6	286.0	281.64	4.4 ✓
18+0	7.2	285.4	281.09	4.4 ✓
18+50	7.8	284.8	280.44	4.4 ✓
18+80 ² <i>M.H.</i>	7.9	284.7	280.08	4.6 ✓
19+0	8.04	284.53	279.84	4.7 ✓
+50	7.8	284.8	279.24	5.6 ✓
20+0	8.8	283.8	278.64	5.2 ✓
+50	10.2	282.4	278.04	4.4 ✓
20+54 <i>M.H. & A/17040</i>	10.5	282.1	278.00	4.1 ✓

10.76

291.81

284.53			
5.49			
290.02	90.02	90.02	90.02
278.64	79.24	79.84	80.08
11.38 ✓	10.78 ✓	10.14 ✓	7.94
90.02	90.02	90.02	90.02
80.44	81.04	81.64	82.00
9.58 ✓	8.98 ✓	8.38 ✓	8.02 ✓
90.02	90.02	90.02	90.02
82.51	83.82	85.14	
7.51 ✓	6.20 ✓	4.88 ✓	

3

60.
24
36
3

90.02 9

7 4

sewer beginning at M.H. & Alley between Arnold & Walker 75' N of N.L. right man thence E along Lot Line to M.H. & Alley bet Walker & Oregon 75' N of N.L. right man. thence S an alley for 35' D.E. also N from M.H. for 50' D.E.

B.M. Cor Hamilton Univ			311.51	
B.M.	7.66		319.17	
0+0 M.H. 1+75' S of Univ		14.2	305.0	301.55
+50		12.2	307.0	303.27
+10	b	9.2	310.0	305.00
+50		7.0	312.2	307.89
+20		5.3	313.9	309.78
2+25 no stake		5.7	313.5	
+50		3.7	315.5	312.17
T.P.	7.48	12.7	317.90	
+30		6.5	318.9	314.52
3+27 ⁵ M.H.		4.3	321.1	316.00
0+0				
0+35.5 in Alley	b	4.5	325.9	321.9
0+0			326.1	316.00
0+20 N in Alley		7.0	318.4	316.20
0+50 N in Alley		2.5	322.9	316.5

Pages 230-31

309.45
303.27
6.18 ✓

309.45
305.00
4.45

311.51
5.49
317.00
305.00
12.00 ✓
317.00
307.39

317.00
309.78
7.22 ✓

317.00
312.17
4.83 ✓

317.00
314.52
2.48 ✓
9.61 ✓

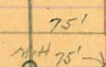
39
29
6



ARC

Walker

UNIVERSITY



right man

Arnold

st

312.17
10.91
323.08
314.52
8.52 ✓

Center Line from M.H. on Canyon Line thence E
 To M.H. Bush & Winder thence E on Bush to D.E. 112.55'
 E of & N 1/2

B.M.	5.67	157.67		152.00	
070 M.H.			12.7	145.00	110.50
T.P.	11.61	168.74	0.54	157.13	
0740 BK			10.79	157.75	150.00
0760 BK			5.7	163.0	160.00
T.P.	11.10	179.61	0.28	168.51	
170 BK			4.30	175.3	172.00
T.P.	12.27	191.70	0.15	179.93	
1750 T.P.	12.57	202.96	1.31	190.39	186.44
1790 BK T.P.	11.91	214.06	0.81	202.15	198.00
270			10.10	204.0	201.09
T.P.	12.60	224.38	0.28	213.78	
2750			5.3	221.1	216.58
T.P.	12.95	239.14	0.19	226.19	
370 BK			4.2	234.9	232.00
T.P.	12.68	251.71	0.11	239.03	
T.P.	11.95	262.86	1.08	250.97	
3740 BK			9.3	253.4	249.00
3745 M.H. Bush & Winder			3.24	259.32	259.00
470			2.75	259.7	259.46
750			2.97	260.24	255.11
570			1.7	261.0	255.77
750			1.10	261.58	256.42
670 T.P.	7.20	269.30	0.56	262.10	257.07
750			6.7	262.6	257.73
6770 ⁸ M.H. & 1/2 BK			6.5	262.8	258.00

GILOFINCH & SUTTER

256.99 NW 1/4 MON

1912

4.5

8.0

3.0

3.3

4.0

4.1

2.9

4.6

2.9

4.4

5.3

5.4

5.1

5.2

5.1

5.0

4.9

4.8

256.00
 12.99
 266.99
 54.26
 12.89
 266.99
 55.11
 11.88
 266.99
 55.22
 11.52
 266.99
 56.57
 10.57
 266.99
 57.07
 9.9
 266.99
 57.73
 9.26
 266.99
 58
 8.79

269.30

8

7+0	6.7	262.6	258.22	4.4
7+50	6.78	262.52	258.60	3.9
8+0	6.2	263.1	258.99	4.1
7+50	5.3	264.0	259.37	4.6
9+0	5.1	264.2	259.75	4.5
9+20 M.H.	4.6	264.7	259.90	4.8
7+50	4.3	265.0	260.14	4.9
10+0	3.8	265.5	260.53	5.0
10+12 ^{EN} M.H. E N 1/2	3.6	265.7	260.63	5.1
7+50	3.12	266.18	260.91	5.3
11+0	2.7	266.6	261.30	5.3
11+25 D.E	2.68	266.62	261.50	5.1

266.99
 6.85
 260.15
 11.80
 271.95
 60.53
 11.42
 71.95
 80.63
 16.32
 271.95
 60.91
 11.04
 271.95
 61.20
 10.65
 271.95
 61.50
 10.45

266.99
 58.22
 9.77
 266.99
 58.60
 8.39
 266.99
 58.19
 8.00
 266.99
 59.37
 7.62
 266.99
 59.75
 7.24
 266.99
 59.90
 7.09
 266.99
 60.11
 6.85

Seneca & Kite st from M.H. Bush to
D.E 275'S

9

B.M	933	275.56	266.18			
M.H. Bush			9.9	265.7	260.53	5.1
0+50			7.8	267.8	262.90	4.9
1+0			5.18	270.38	265.18	5.2
1+40			3.9	271.7	267.00	4.7
1+50	5		3.7	271.9	267.07	4.8
2+0			3.1	272.5	267.44	5.1
2+50			3.2	272.9	267.81	4.6
2+75 D.E			3.5	272.1	268.00	4.1

271.95
269.90
2.05

Sewer & L&K from M.H. Bush St 5 for
75' to D.E.


10

B.M.		H.I.				
		269.30				
M.H. & Bush St		6.5	262.8	258.00	4.8	
0+15.5		5.6	263.7	260.33	3.4	
T.R.	3.22	272.28	0.29	269.06		
0+75 = D.E.		2.3	270.0	265.00	5.0	

266.89
60.33
6.66

5

Sewer line from center of 33rd
center of K + 33rd. See Book

Sta.		H.I.	Rod	Elev.
J.P.		<u>39.87</u>		
0+00	M.H. Center of 33 rd	38.39.9	8.03	31.184
+50	+ alley bet. J + K		8.9	31.0
1+00			8.9	31.0
+35			9.5	30.4
+46			14.4	25.5
+50			14.1	25.8
+76			1.2	38.7
+90			1.4	38.5
2+00			7.3	32.6
+07	m		10.2	29.9
+22	m		16.7	23.9
+32			10.5	29.8
+50			10.2	29.9
3+00			10.3	29.6
+50			10.7	29.2
+68.13	M.H. center of K + 33 rd		10.68	29.19

+ alley bet. J + K to sluicid 11
 Oct. 2/12 Taper
Allen
 370 pages 52 + 67

29,70 B.M.
 2.54
 32.24 H.I.
 3.05
 29.19

Sewer line on Vermont from
Lincoln & Hayes to bottom of

center alley bet.
Canyon north

Oct. 5/12
Childs
att¹²
Shoemaker
RETURN TO
CITY HALL, SAN DIEGO, CAL.

Sta	Sta	H.I.	Rod	Clod
		8.46	300.52	292.06
J.P.	0 +00			293.3
07	+50			293.3
	1 +00			293.3
	+50			294.4
	2 +00			295.5
	+29.5			296.1
	+50			296.3
	3 +00			296.9
2	+50			296.8
	+79.1			295.2
	4 +00			294.9
	+50			294.1
	J.P.	0.07	287.61	12.98 287.34
	+68			0.9 286.9
	J.P.	0.07	274.85	12.83 274.78
3	5 +00			2.4 272.4
	J.P.	0.49	262.55	12.79 262.06
	+27			1.1 261.4
	J.P.	-0.04	249.84	12.67 249.88
	+50			0.9 248.9
	J.P.	0.50	237.17	13.17 236.67
	6 +00	0.08	224.60	12.68 224.52
	J.P.			2.3 221.8
	J.P.			12.71 211.89

Cont. from page 12

Sta	H.I.	Rod Elev.
J.P. 6 + 36	0.06 211.95	7.8 204.1
+ 37		10.4 201.5
+ 40	Septic tank, limb.	12.09 199.8
+ 50		15.70 196.9
+ 62	bottom of casing	22.4 189.5

Oct. 5/12 } Childs
 } Cottel 13
 } Shovelaker

Lincoln

291.7 8.8

291.5 8.0

291.6 8.9

291.8 8.7

Vermont

Hayes

alley line bet. Hayes & Johnson from
center Vermont west

est 57.2 } Childs
 } Copter 14
 } Shoemaker

Sta	H.I.	Road	Elev.
0+00	m.H. center alley 309.52	5.3	295.4
+50	bet. Hayes & Johnson	4.9	295.6
1+00		5.4	295.1
+50		6.9	293.6
2+00		8.7	291.8
+50		9.5	291.0
3+00		8.9	291.6
+50		9.5	291.0
4+00		10.6	289.9
+50		11.3	289.2
5+00		11.7	288.8
+50		12.7	287.8
+60	H.I.	12.81	287.7

Sewer line alley bet. A & B from 25' west of 31st to Sta 2 + 50 west of 31st.

Oct. 8/12 } Childs
 Taylor
 Allen

Sta.		H.I.	Rod Elev.
0+00	F.I. 25' west of 31st Street	218.98	1.44 217.54
+50			5.4 213.6
+83			9.4 209.6
+92			12.9 206.1
J.P.	0.27	206.32	12.93 206.05
1+00			6.3 200.0
J.P.	9.46	203.08	12.70 193.62
+25			12.3 190.8
+35	M.H. bottom of Canyon.		11.51 191.6
+42			9.4 193.7
+50			4.2 198.6
J.P.	11.62	213.98	0.72 202.36
2+00			4.8 209.1
J.P.	6.50	219.10	1.38 212.60
+25			4.8 214.3
+50	Atk. hub.		15.8 217.52

217.87 30th & B
 3.28
 221.15 H.I.
 6.47
 214.68 J.P.
 4.30 H.I.
 218.98

Sheet B-32

Sewer line alley bet. B + C
west.

Sta.		H.I.	Rod	Elev.
0+00	M.H. center of 31st Street	<u>160.12</u>	5.48	154.6
+10			4.3	155.8
+20		<u>170.73</u>	3.7	167.0
+21			1.7	169.0
+31			2.4	168.2
+35		<u>182.45</u>	8.9	173.6
+50			2.3	180.75
J.P. 1+00		<u>195.18</u>	7.0	188.18
+15			2.5	192.7
J.P. +30		<u>207.45</u>	10.6	196.9
+50			8.0	199.45
2+00			3.3	204.15
J.P. +50		<u>219.02</u>	12.0	207.02
3+00			7.4	211.5
+05	H. Hub.		6.76	212.3

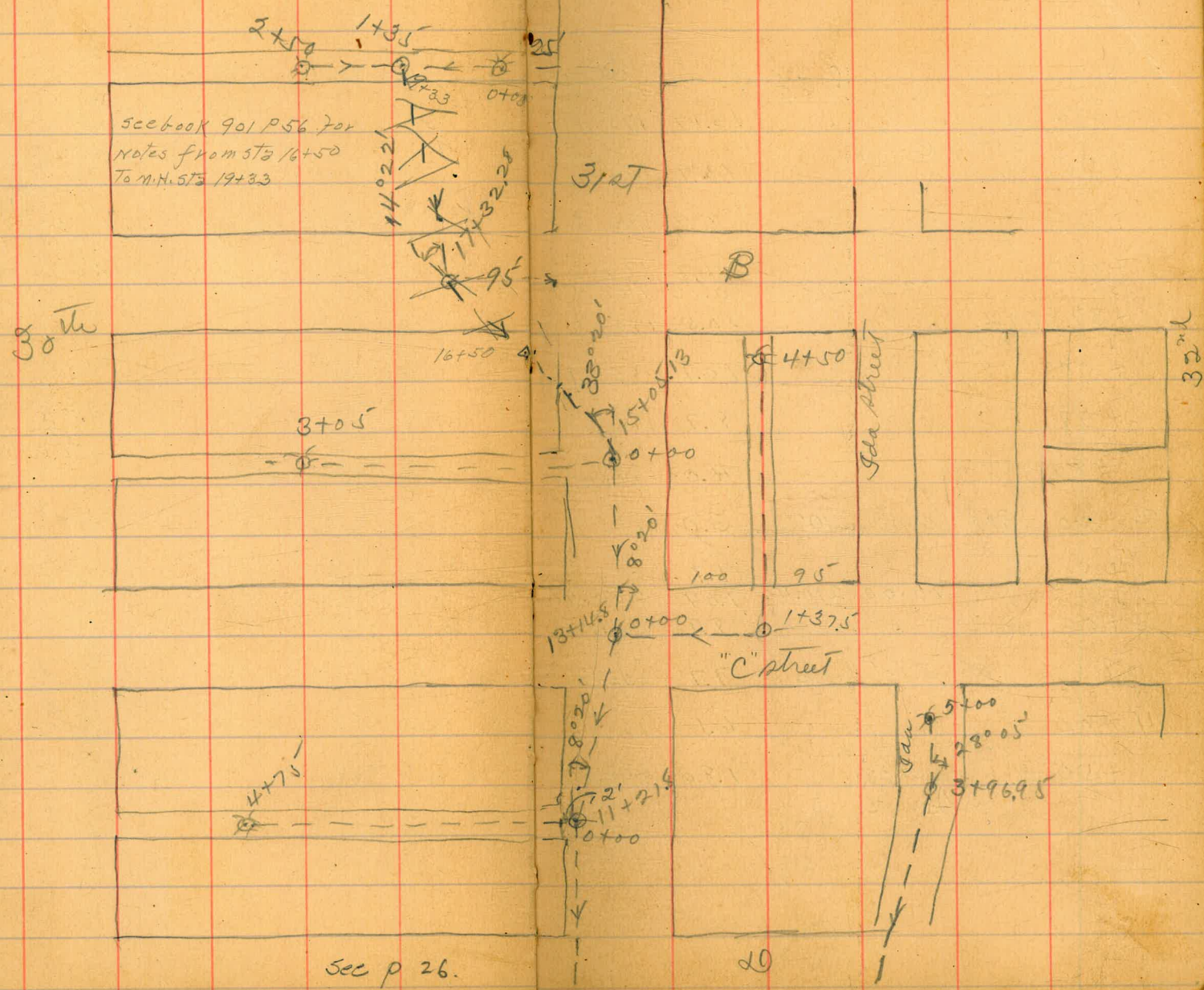
Street B. 31st

from center of 31st Oct. 9/12

16
Heberds
Saylor
Allen

217.54
1.48
<u>219.02</u> H.I.
12.52
206.46 J.P.
0.99
<u>207.45</u> H.I.
12.63
194.82 S.P.
0.36
<u>195.18</u> H.I.
12.92
* <u>182.26</u> J.P.
0.19
<u>182.45</u> H.I.
12.77
<u>169.68</u> J.P.
1.05
<u>170.73</u> H.I.
12.48
<u>158.25</u> J.P.
1.87
<u>160.12</u> H.I.

Oct 9/12
Childs
Taylor
letter 17



Sewer on C from 31st East
north on alley to B.

to alley +

Oct. 10/12

Childs
Atter
Shoemaker
18

Sta.		H.I.	Rod	Elev.
J.P.	6.40	188.66		182.26
0+00	m.H. center of 31 st + C		13.17	175.49
+50			10.9	177.8
+78			8.4	180.3
1+00			4.7	184.0
J.P.	12.90	201.44	0.12	188.54
+37.5	m.H. center of alley bet. 31 st + Ida.		10.53	190.91
+50			10.7	190.74
+77			8.7	192.74
+82			4.0	197.44
2+00	not less than 10' deep		3.0	199.44
+50			1.1	200.34
J.P.	10.00	210.40	1.04	200.40
3+00			8.9	201.5
+50	about 10' deep		7.7	202.7
4+00	about 8' deep.		6.1	206.3
+50	H.I. about 28 B. of B.		1.80	208.60

√ m
m
⊙

Sewer in alley bet. C + 00
west. line of 31st to Sta 4+75

from 2' east of
west.

Childs
atten 19
OCT. 10/12 Shoemaker

Sta.		H.I.	Rod Elev.	
0+00	m.H. 2' east of west line of 31st	159.22	13.32	145.90
+13			19.0	140.22
+50			1.3	157.9
+72	about 12' deep.	171.60	3.7	167.9
1+00		183.81	7.7	176.1
+19			1.8	182.0
J.P.		13.09	196.51	0.39
+50	about 8' deep.		7.4	189.1
2+00			0.5	196.01
J.P.		11.61	207.82	0.30
+50	about 11' deep.		5.1	202.7
3+00			2.7	205.1
+50	about 7' deep.		3.1	204.7
4+00			3.7	204.1
+50			3.6	204.2
+75	F.S. about 5' deep	3.69	204.13	

Sheet B. 33

175.49
8.32
183.81 H.I.
12.73
0.39
171.08 J.P.
0.52
183.42 J.P.
171.60 H.I.
13.01
158.59 J.P.
0.63
159.22 H.I.

Sewer in alley bet. 30 & E.
31st to 32nd.

Sta.		H.I.	Rod Elev.
0+00	F.S. 225' west of 31st/12.10	194.74	174 193.00
J.P. +50		187.59	173.49
			0.7 186.9
1+00			3.8 183.8
+50			8.8 178.8
+75			12.9 174.7
J.P. 2+00	0.42	175.14	12.87 174.72
+25 west line 31st.			8.5 166.64
J.P. +50	0.48	162.61	13.01 162.13
J.P. +50	0.06	150.06	7.6 153.01
3+00			9.6 140.46
J.P. +41	0.33	137.84	12.55 137.51
			6.0 132.84
+50			8.5 129.34
J.P. 4+00	3.50	128.76	12.59 125.26
			12.5 116.26
+32	M.H. bottom of		10.59 118.17
+47	curb where		11.0 117.96
	side of house		
+50	in.		12.7 116.06
+56			10.2 118.56
J.P. 5+00	12.59	141.29	0.06 128.70
			9.3 132.06
+13			5.0 136.29

from 225' west of } Childs
Oct. 11/12 } Other
shown 2' see

187.59
0.73
186.86 J.P.
7.88
194.74

1.32

10867

Oct. 11/12 } Shields
 } Allen
 } Shoemaker
 21

Cont. from page 20

Sta.		H.I.	Rod	Elev.
J.P.	12.20	<u>152.88</u>	0.61	140.68
5 + 50			10.8	142.09
J.P.	12.18	<u>164.87</u>	0.19	152.69
6 + 00			10.9	154.0
J.P.	7.16	<u>172.02</u>	0.01	164.86
+ 50			7.9	164.1
+ 68	F. S. West		3.9	166.1
7 + 00	F. S. West hub.		2.05	164.97
+ 25			3.4	167.6
+ 50			8.3	161.7
J.P.	0.09	<u>159.16</u>	12.95	159.07
8 + 00			2.5	156.7
+ 25			6.1	153.06
+ 50			11.3	147.9
J.P.	0.69	<u>147.63</u>	12.22	146.94
+ 90			11.7	135.9
9 + 00			12.2	135.4
J.P.	3.78	<u>138.81</u>	12.60	135.23
+ 07			6.6	132.2
+ 15.68	M.H. Center of 3rd,	✓	6.65	132.16

0 34

Ida. Street from Sta. 4+32 on
to Sta 5+00 Near. C Street.

alley line bet. 20 + E

Oct. 11/12 } builds
after
Shoemaker

Sta.		H.I.	Rod Elev.
0 + 00	m.H. Sta 4+32	<u>128.76</u>	10.59 118.17
+26	on alley bet. 10 + E		0.2 118.51
J.P.		72.49 <u>140.74</u>	0.51 128.25
+50	not less than 12' deep		7.3 133.4
J.P.		11.98 <u>152.33</u>	0.39 140.35
1 + 00			10.5 141.8
+50			2.7 149.6
J.P.		12.99 <u>164.93</u>	0.39 151.94
2 + 00	about 10' deep		10.4 164.53
+30			9.7 165.2
+10			9.3 165.6
+50			5.5 169.4
+65			2.6 162.3
J.P.		12.73 <u>177.26</u>	0.40 164.53
3 + 00	about 5' deep		12.2 166.06
+50			6.9 170.4
+96.95	28° 05' L m.H. Center Sda.		1.10 176.16
J.P.		12.95 <u>189.11</u>	
4 + 00			12.7 176.4
+50			6.6 182.5
J.P.		2.13 <u>190.96</u>	0.28 188.83
5 + 00	F.I.S. So. of C.	✓	1.42 189.54

Sheet B 33

alley line bet. E + Fr. from
to Sta. 1.3 + 21.05 east of 32nd.

25' east of 30th

Oct. 14/12
Shields
Atter
Shoemaker

Sta	Notes	H.I.	Rod Elev.
J.P.	about 5' deep 3.02	184.17	181.15
0 + 00	Fr. 25' east of 30th		7.75 176.42
+50			5.4 178.8
1 + 00			4.7 179.5
+50			3.9 180.3
2 + 00	0.4%		4.2 180.0
+50			4.3 179.9
3 + 00			4.2 180.0
+50			4.4 179.8
4 + 00	about 9' deep		5.3 178.9
+37			6.9 177.3
+50			8.9 176.3
J.P.	2.32	174.77	11.72 172.45
5 + 00			4.3 170.5
+35	about 5' deep		6.3 168.5
+50			5.8 169.0
6 + 00			4.0 170.8
+05.5	M.H. Center of 31st street		3.75 171.02
+50			1.8 173.0
7 + 00			0.8 174.0

193.00
1.00
194.00
12.85
181.15

12
1.6
2.5
4.1

170.0

Sheet 34

Oct. 14/12
 Childs
 Allen
 Shoemaker

Cont. from page 23

Sta.		H.T.	Rod Elev.
7+50	not less than 9' deep,	$\frac{174.77}{9}$	2.9 171.9
8+00			10.9 163.8
J.P. +39	0.73	<u>162.91</u>	12.59 162.18 6.3 156.6
+50			9.5 153.4
J.P. +00	0.34	<u>150.39</u>	12.86 150.05 11.3 139.1
J.P. +50	about 5' deep	<u>138.11</u>	12.87 137.52 12.0 126.11
J.P. 10+00	1.00	<u>126.30</u>	12.81 125.30 7.6 118.7
J.P. +50	0.83	<u>114.27</u>	12.86 113.44 2.1 112.2
11+00	not less than 5' deep		4.5 109.7
+50			7.6 106.6
+60			9.5 104.7
J.P. +86	0.44	<u>101.93</u>	12.78 101.49 6.6 95.3
12+00			9.3 92.6
+42			13.7 88.2
+46			15.3 86.6
+50			13.9 86.0
+55	with bottom of Camp.		13.45 88.48

42

Oct. 14/12 } Childs
 } Allen
 } Shoemaker

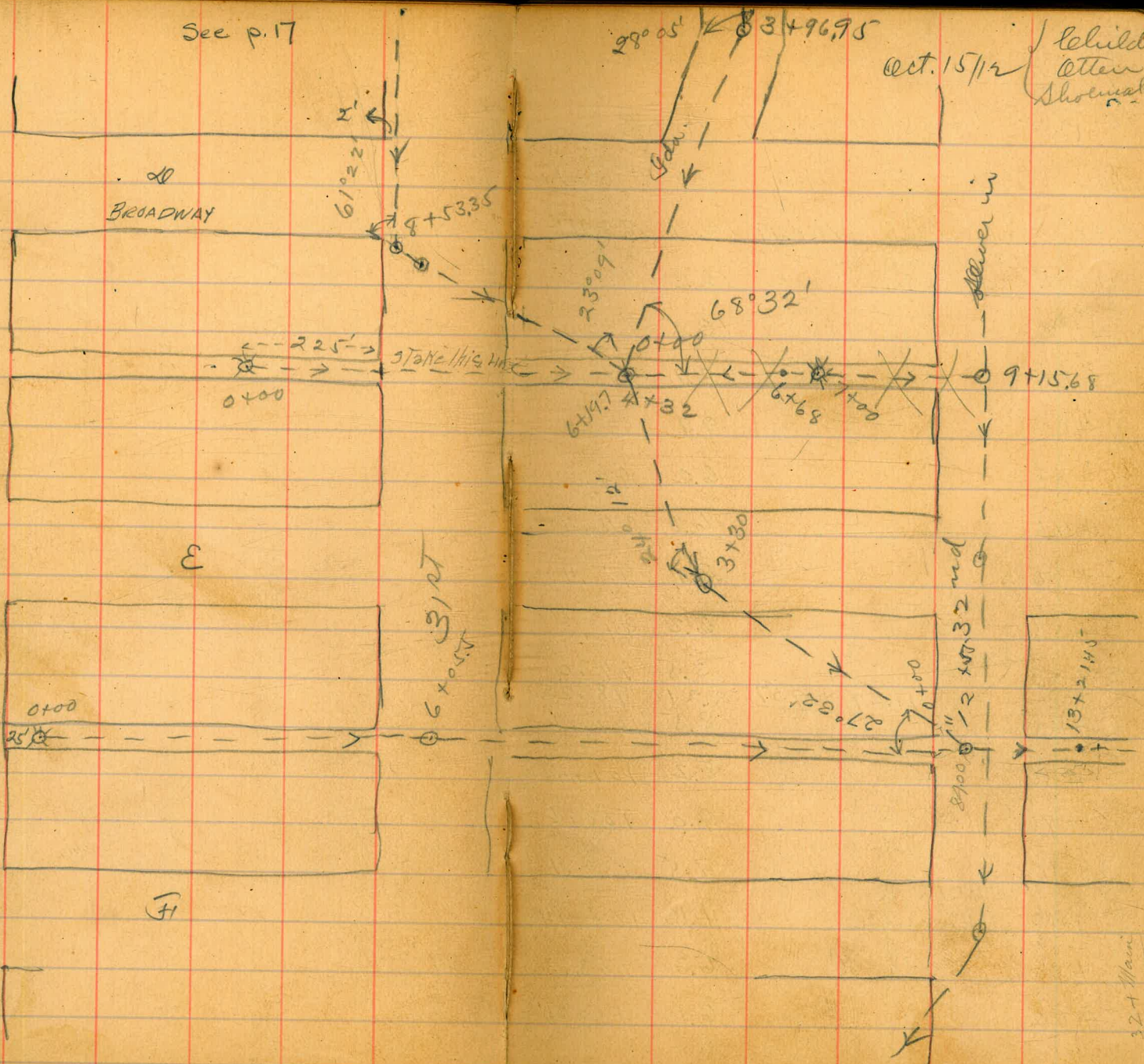
cont. from page 24

Sta	H.T.	Rod	Elev.
12+65	101.93	10.6	91.3
+69		7.9	94.0
+93		8.2	93.7
13+00		6.4	95.3
+2145 old F.S.	✓	5.83	96.10

834

See p. 17

Oct. 15/12
Schields
Atter
Shornwater



Main canyon line from Sta. 12+ to Sta. 1+35 alley bet. A + B

ST on alley bet. E + F

Oct. 15/12 } builds
 often
 Shogunake
 21

Sta		HI	Rod	Elev.
0+00	M.H. = Sta.	<u>100.49</u>	12.01	88.48
+07	12+55 alley bet. E + F		12.3	88.2
+12			13.5	87.0
+15			12.7	87.8
+50			9.9	90.6
1+00			6.2	94.3
+46			6.1	94.4
+50			8.1	92.4
+55			6.2	94.3
2+00			3.5	97.0
J.P.			2.21	98.28
+35	11.29 <u>109.57</u>		8.5	101.1
3+50			8.2	101.4
+75	M.H. angle		9.0	100.6
3+00			7.5	102.1
+30	24° 12' R M.H. angle		4.13	105.44
+50			6.3	103.3
+62			6.1	103.5

Sheet B-35

12/15/12 } deloids
 } Allen
 } Shoemaker
 23

cont. from page 27

Sta.	H.I.	Rod	Elev.
J.P. 4+00	12.62 <u>121.36</u>	0.83	108.74
+25		14.9	106.5'
+50		13.0	108.36
5+00		6.8	114.6
+50		7.0	114.36
+95		5.5	115.9
6+00		6.4	115.0
+05		8.2	113.2
		6.4	115.0
+19.7	23° 09' L M.H. Sta 4+32	3.17	118.19
J.P. +50	alley bet. 20 th & E. <u>133.56</u>	0.51	120.85
+65		10.9	122.7
+73		8.8	124.8
+85		10.6	123.0
7+00		6.4	127.2
+40		8.5	125.1
+50		5.1	128.5'
+60		8.3	126.3
		10.7	122.9

Oct. 16/12 }
 Childs
 Taylor
 et al 29

cont. from page 28

Sta	H.I.	Rod Elev.
7+90	<u>133.56</u>	7.1 126.5'
8+00		6.4 127.2
+25		4.8 128.8
+35		5.3 127.3
+50		3.1 130.5'
+53.35	61°22'R M.H. angle 12.97 <u>144.33</u>	2.20 131.36
J.P. 9+00		12.1 132.2
+50		11.1 133.2
10+00		0.5 143.8
J.P. +50	8+5 <u>152.29</u>	0.19 144.14
		4.2 148.1
11+00		8.2 144.1
+21.8	8°20'R M.H. Sta. 0+00	6.38 145.97
+50	alley bet 0+00	4.1 148.2
+78		6.7 145.6
+86		7.1 145.2
12+00		6.2 146.1
+38		4.1 148.2

Oct. 16/12
 Childs
 Taylor
 atten. 30

cont. from page 29

Sta.	H.I.	Rod Elev.		
		<u>152.29</u>		
12 + 41			1.7	150.6
J.P.	11.41	<u>163.25</u>	0.45	151.84
+ 48			12.2	151.05
+ 50			10.4	152.9
J.P.	11.41	<u>174.38</u>	0.28	162.97
+ 72	7.71	<u>180.48</u>	5.61	172.77
			3.9	176.6
13 + 00			3.5	177.0
+ 11			3.8	176.7
	8° 20' L			
+ 14.8	M.H. Sta. 0 + 00		4.97	175.51
+ 26	on C street	<u>176.96</u>	5.6	171.4
		1.45		
+ 37			4.9	172.1
J.P.	1.59	<u>165.63</u>	12.92	164.04
+ 50			3.2	162.14
+ 61			7.4	158.2
+ 73	bottom of culvert		12.5	153.1
14 + 00			11.0	154.63
+ 50			11.6	154.0
15 + 00			11.0	154.63
	33° 20' L			
+ 05.13	M.H. Sta. 0 + 00		10.98	154.65
+ 25	alley bet. B + C		9.7	153.9

Oct. 16/12
 Shields
 Taylor
 Alt 31

cont. from page 30

Sta.	H.I.	Rod	Elev.
J.P. 15+38	10.73	<u>176.34</u>	0.02 165.61
+45			18.2 162.1
+50			9.0 167.34
+57			9.3 167.0
16+00			11.4 162.9
J.P. +38	11.72	<u>187.56</u>	4.4 171.9
+50			0.50 175.84
J.P. +86	12.82	<u>199.65</u>	11.8 175.8
+86	6.48	<u>206.02</u>	6.3 191.3
17+00			0.73 186.83
+02			0.11 199.54
+32.28			2.9 203.11
+50			2.8 203.2
+61			3.7 202.3
+77			2.83 203.2
J.P. 18+00	4.95	<u>197.99</u>	2.3 203.7
+14			1.5 204.5
+50			1.8 204.2
19+00			12.98 193.04
+33			9.1 188.9
			13.7 184.2
			11.0 186.99
			9.5 189.5
			6.37 191.6

14° 22' R.
 M.H. Bentley
 B.

33 L
 A+B
 M.H. Sta. +35 alley bet.

Alley bet. Ida + B 2nd from
to 25' North of C.

Sta.		H.t.	Rod	Elev.
0+00	FS. 25' No. of B Street	6.00 214.60	1.66	208.60 212.9
+50			3.1	211.5'
1+00			4.7	209.9
+25	about 8' deep. M.H. Center		5.70	208.90
+50	Alley bet. B + C bet. Ida + B 2nd.		6.4	209.2
2+00			8.3	206.3
+50	about 2.5' deep. dead end.		10.3	204.3

3
m
①

25' No. of B

Oct. 17/12
Childs
Taylor
atten 32

alley line bet. B & C from alley
to center of 32nd.

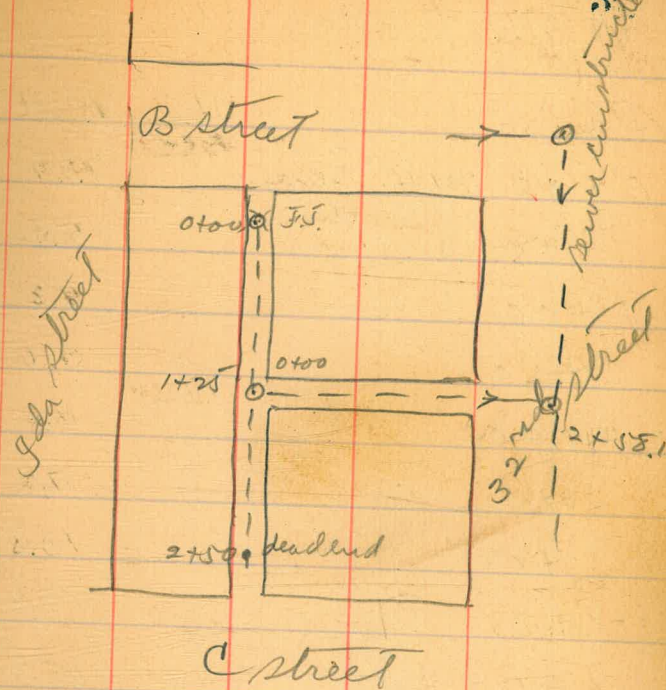
Sta.		H.I.	Rod	Elev.
0+00	M.H. center	<u>214.60</u>	5.70	208.9
+50	alley last of		9.5	205.1
J.P.	Ida + alley	<u>203.02</u>	12.57	202.03
1+00	bet B & C		4.3	198.7
+50			12.5	190.5
J.P.	125	<u>191.81</u>	12.46	190.56
2+00			9.4	192.4
J.P.	157	<u>180.52</u>	12.86	178.95
+50			7.7	172.8
+58.1	M.H. center of 32 nd .		9.22	171.32

Sheet D. 33

bet. Ida + 32nd Oct. 17/12

Childs
Taylor
Allen

30



Alley line bet. Feltan & 34th
North to Sta. 8+10.

Sta.	H.I.	Rod	Elev.
J.P. 0+00	2.07 2048	7.79	18.41 12.69
J.P. +50	5.83 18.52	5.9	17.6
1+00		5.2	13.3
+50		5.1	13.4
2+00		4.8	13.7
+01		4.8	13.7
+08		10.5	8.0
+31		12.9	5.6
+50		11.8	6.7
3+00		10.5	8.0
+50		10.0	8.5
+57		10.3	8.2
+62		6.2	12.3
4+00		6.3	12.2
+50		5.8	12.7
5+00		5.7	12.8
+50		5.4	13.1

Sheet 2-32

from center of road mean

leholds
Staff
34
W. H. Allen
Albion, N.Y.

Oct 26/12

cont. from page 34

Sta	H.I.	Red Elev.
6+00	<u>18.52</u>	4.9 13.6
+50 Mt. center east		5.00 13.52
7+00 + west alley		4.6 13.9
+50 F.P.	5.60 <u>19.12</u>	4.3 14.4
8+00		4.7 13.8
+10 F.I. about 30' So. of north line of Crescent Sub.		5.14 13.98

~~26-37~~

Oct. 26/12
Lehilds
Tay 35
Geller
Shoemaker

129

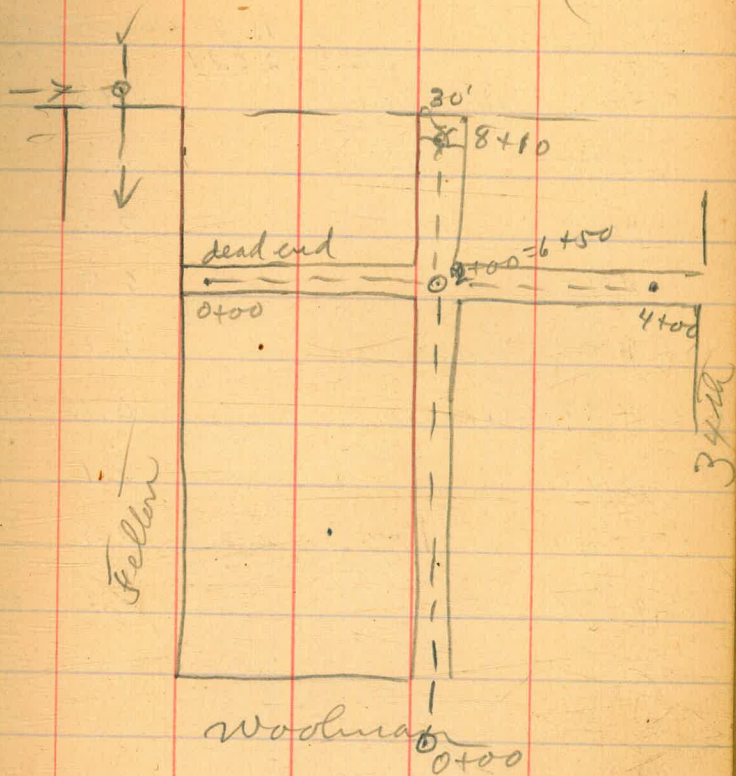
alley line north of Woodman
of Felton to about 23.5 west

Sta.		H.T.	Rod	Elev
J.P.		6.86		13.52
0+00	dead end (hub)	20.38	3.69	16.69
+50			3.8	16.6
1+00			4.2	16.2
+50			5.4	15.0
2+00	M.H. Center of north + south alley.		6.86	13.52
+50			5.2	15.2
3+00			5.1	15.3
+50			5.1	15.3
4+00	dead end		5.3	15.1

Sheet B 35

from about 23.5 east
of 34th Oct. 28/12

Childs
Taylor
Allen



Sewerline 2' north of north line
from center of Feltun to center of

of Arcutt's Subdivision
33rd
J. Childs
Tay 37
Oct. 28/12

Sta.		H.I.	Rod	Elev.
J.P.	5.22	<u>21.91</u>		16.69
0 + 00	M.H. Center of Feltun		4.43	17.5
+ 50			4.8	17.1
1 + 00			5.7	16.2
+ 50			6.3	15.6
J.P.	12.14	<u>33.42</u>	0.63	21.28
2 + 00			9.7	23.9
+ 08.35	Sub. center of alley		6.48	26.94
J.P.	North + South 12.74	<u>43.65</u>	0.51	32.91
+ 40			3.1	47.5
+ 50			1.5	44.1
J.P.	12.32	<u>57.54</u>	0.43	45.22
3 + 00			8.1	49.4
+ 50			4.9	57.6
J.P.	10.53	<u>67.72</u>	0.35	57.19
+ 92			8.3	59.4
4 + 00			5.4	67.7
+ 07.9	M.H. Center of 33 rd + 41' north of Clay.		2.42	65.30

B-30

sewer line center 33rd from

to center alley bet. Webster &

Sta.

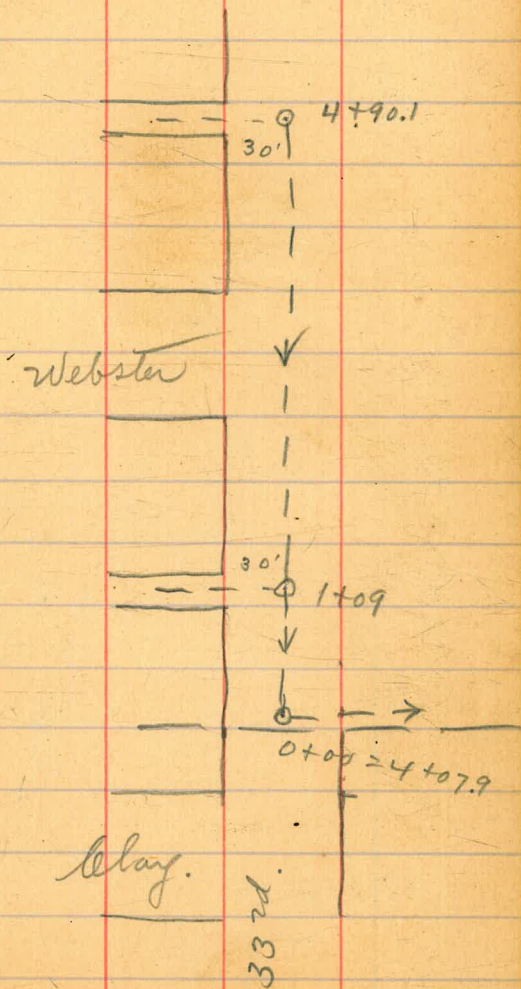
Sta.	Notes	H.I. Rod Elev.	Elev.
0+00	about 12' deep, m.H. center 33 rd	67.72	242 65.30
+27	+41' north of clay.		6.6 61.1
+50			5.5 62.2
+61	0.4% grade.		4.5 63.2
1+00			4.3 63.4
+09	m.H. center alley bet. Clay & Webster		5.66 62.06
+50			7.4 60.3
2+00	about 5' deep.		8.5 59.2
+50			8.1 59.6
3+00	0.4% grade.		7.7 60.0
+50			5.3 62.4
4+00			3.8 63.9
+50			3.9 63.8
+90.1	about 7.5' deep, m.H. center alley bet. Webster & N.		5.27 62.45

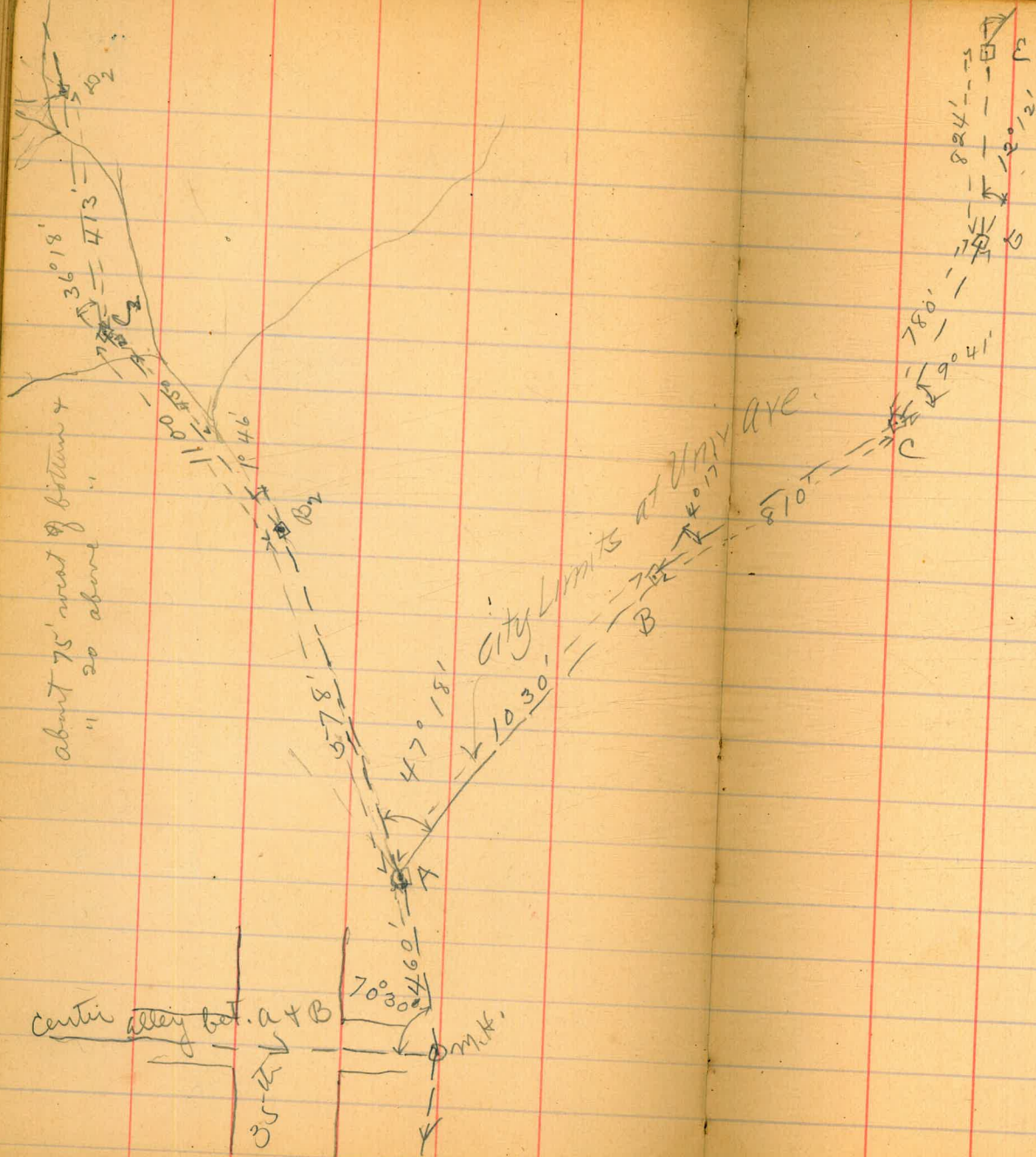
41' north of clay

N.

Oct. 28/12

Childs
Trent
35
Allen



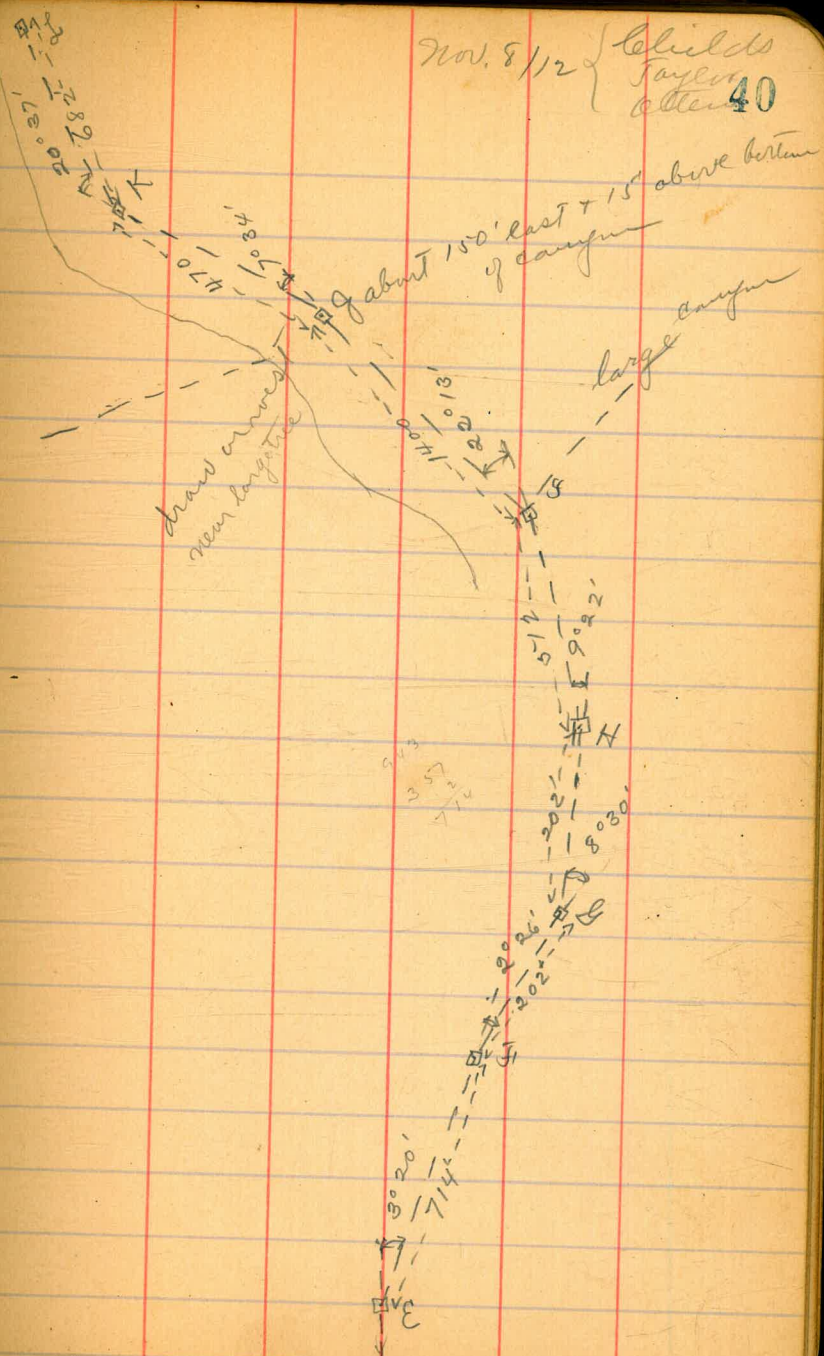


516
 Max. 8/12 } Childs
 468 } Taylor 39
 578 } Allen

opposite small canyon to Left.

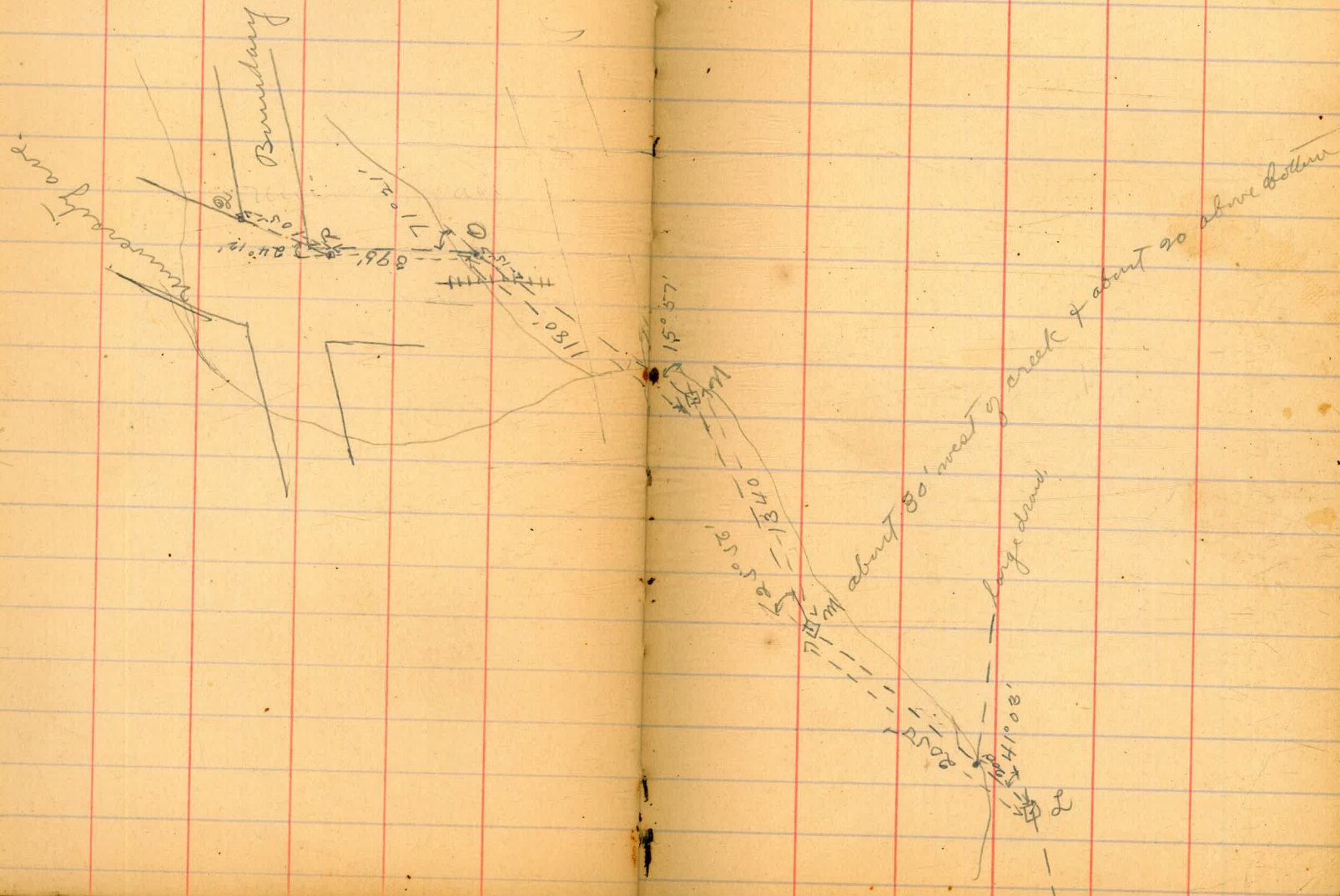
Nov. 8/12

Childs
Taylor
Allen 40



Nov. 8/12

Childs
Taylor
Allen 41



Nov. 9/12 { Childs
Taylor 42
Allen



Main sewer from center
of 11th to north line of city

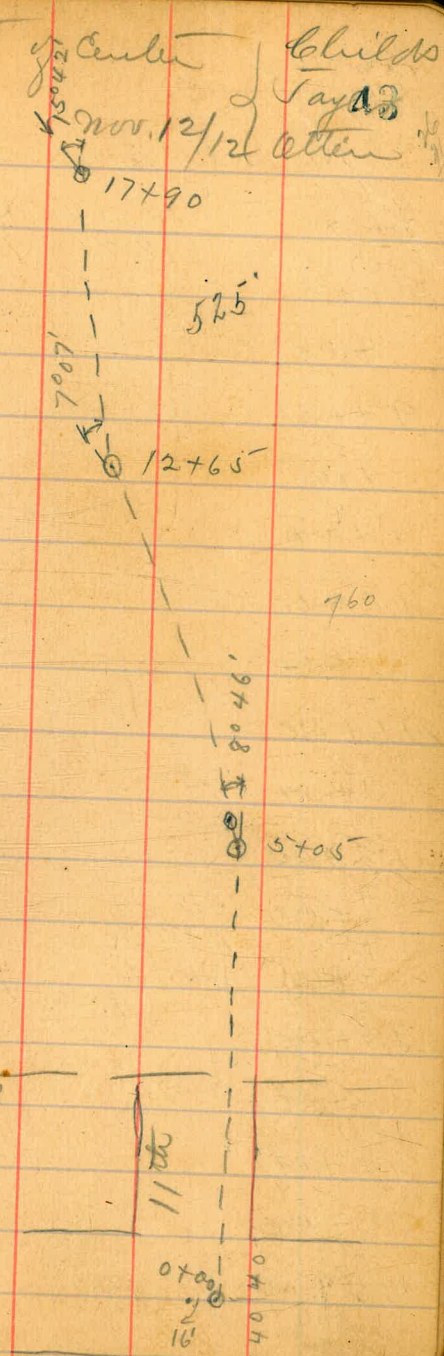
Sta.	H.T.	Rod	Elev.
J.P. 0+00	5.12 88.07	2.10	82.95 B
+50		2.4	86.0
1+00		3.1	85.7
+50		3.8	85.0
2+00		4.1	84.3
+50		4.8	84.0
3+00		5.0	83.3
+50		2.7	83.1
4+00		2.3	85.4
+50		2.3	85.8
5+00		2.9	85.8
+05		3.52	85.2
+50		4.5	84.65
6+00		5.5	83.6
+50		5.3	84.6
7+00		5.5	84.8
+50		5.4	84.6
			84.7

M.H. Center of
A Street + 14'
east of center
of 11th

3046' L
M.H.

Plotted

3 A + 16' east of Center
part



cont. from page 43

Sta	H.I.	Rod	Elev.
J.P. 8+00	8.91	<u>91.89</u> 5.09 8.0	82.98 83.9
+50		7.6	84.3
9+00		8.0	83.9
+14		9.9	87.0
+50		13.3	78.6
10+00		6.6	85.3
+50		4.7	87.2
11+00		4.0	87.9
+50		3.3	88.6
12+00		2.1	89.8
+50		0.7	91.7
+65	70.07 R	0.82	91.07
J.P. 13+00	9.26	<u>100.33</u>	
+50		10.3	90.0
		8.8	91.5
14+00		7.9	92.4
+50		6.9	93.4
15+00		6.6	93.7

Nov. 13/12 } Colville
Taylor 44
Allen

Cont. from page 44

Sta	H.I.	Rod	Elev.
15+22	<u>100.33</u>	10.1	90.2
+50		10.5	89.8
16+00		7.6	92.7
+50		4.8	95.5
+90		6.1	94.2
17+00		7.7	92.6
+08		9.5	90.8
+14		12.2	88.1
+18		14.2	86.1
+21		12.7	87.6
+50		6.0	94.3
+90	15° 42' L M.H.	4.17	96.1
18+00		5.5	94.8
+13		9.2	91.1
+20		10.5	89.8
+27		12.8	87.5
+36		10.7	89.6

Nov. 14/12

Childs
Taylor
45
Atter

cont from page 45

Sta.	H.I.	Rod	Elev.
18 +50	<u>100.33</u>	9.8	90.5
+58		11.5	88.8
+74		12.6	87.7
+79		10.4	89.9
19 +00		8.0	92.3
+50		5.4	94.9
20 +00		4.1	96.2
+50		4.2	96.1
21 +00		3.2	97.1
J.P. +50	12.13 <u>110.39</u>	2.07	98.26
+68		11.1	99.3
		13.1	97.3
22 +00		13.2	97.2
+25		16.1	94.3
+29		18.0	92.4
+32		14.4	96.0
+39		14.3	96.1
+50		18.7	91.7

Cont. from page 46

Sta	H.I.	Rod	Elev.
22+52	110.4	18.7	91.7
+60		14.5	95.9
+75		11.2	99.2
23+00		7.7	102.9
+50		6.0	104.4
24+00		5.1	105.3
+50		5.1	105.3
+67		6.8	103.6
25+00		10.0	100.4
+29		11.2	99.2
+50		13.6	96.8
+72		11.0	99.4
26+00		10.1	100.3
+32		10.1	100.3
+40		12.1	98.3
+50		9.5	100.9
+70		8.2	102.2

Nov. 14/12 } Childs
 Taylor 48
 letter

cont. from page 47

Sta.	H.I.	Rod	Elev.
27+00	<u>110.39</u>	5.7	104.7
+23		6.4	104.0
+33		10.7	99.7
+38		8.6	101.8
+50		7.4	103.0
+70	30° 19' # R M.H.	4.06	106.33
J.P. 28+00	10.72 <u>117.05</u>	9.2	107.8
+50		8.0	109.0
+66		9.1	107.9
+68		12.0	105.0
29+00		13.7	103.3
+09		15.8	101.2
+36		14.0	103.0
+50		13.5	103.5
+65		15.2	101.8
+94		14.2	102.8
30+00		12.8	104.2
+14		11.1	105.9

Nov. 15/12 } Lehigh
 Taylor
 Allen

Cont. from page 48

Sta.	H.I.	Rod	Elev.
30+25	<u>117.05</u>	6.4	110.6
+50		5.3	111.7
31+00		4.8	112.2
+50	about 1.5 north	3.0	114.0
J.P.	of nail 7.56	4.83	112.22
32+00	<u>119.78</u>	7.2	112.8
+50		7.3	111.5
+58		7.7	112.1
+63		9.5	110.3
+70		11.3	108.5
+72		10.3	109.5
33+00		8.1	111.7
+50		6.3	113.5
34+00		4.6	115.2
+50		5.5	114.3
35+00		5.2	114.6
+50		5.6	114.2
36+00		6.6	113.2

Cont. from page 49

Sta.	H.I.	Rod	Elev.
36+11	119.78	8.4	111.4
+15		7.0	112.8
+50		6.0	113.8
37+00		2.9	116.9
J.P.	11.03 129.39	1.42	118.36
+50		10.2	119.2
+55	25° 43' R M.H.	10.14	119.2
+86		13.8	115.6
38+92		15.7	113.7
+96		14.6	114.8
38+00		13.8	115.6
+50		12.3	117.1
+60		13.4	116.0
+63		15.3	114.1
+65		13.9	115.5
39+00		11.7	117.7
+28		12.4	117.0
+31		14.1	115.3

cont. from page 50

Sta.	H.I.	Rod Elev.	Elev.
39+34	<u>129.89</u>	12.8	116.6
+50		11.6	117.8
40+00		9.5	119.9
+50		10.6	118.8
41+00		10.3	119.1
+50		4.9	124.5
+63		1.9	127.5
+85		1.53	127.86
J.P. 42+00	<u>137.50</u>	9.7	127.8
+50		8.7	128.8
43+00		6.1	131.4
+50		5.6	131.9
44+00		5.4	132.1
+50		5.3	132.2
45+00		5.3	132.2
+50		4.5	133.0
46+00		4.9	132.6

33° 04' L

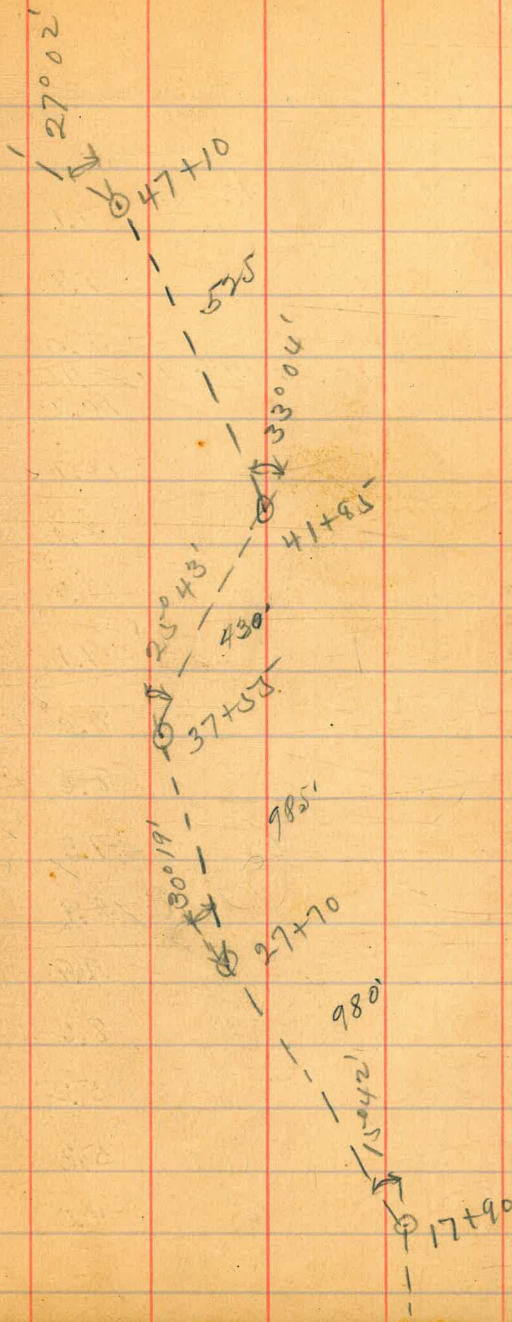
M.H. west

edge of Blvd.
9.64

4710
 41.25
 525

cont. from page 51

Sta.	H.I. Rod Elev.	
46+50 about center of Blvd.	137.50 4.9	137.6
47+00 east edge Blvd.	4.7	137.8
+10 M.H. about 27° 02' L	4.58	132.92 126.3
+50 31' south center of Lane.	4.1	133.4
48+00	3.4	134.1
+50 about center of Blvd.	3.0	134.5
49+00	2.6	134.9
+50 east edge of Blvd.	2.5	135.0
+82	3.7	133.8
50+00	6.6	130.9
+16	7.4	130.1
+34	6.4	131.1
+50	6.2	131.3
+90	6.5	131.0
51+00	7.2	130.3
+44	5.3	132.2
+50	5.0	132.5



cont. from page 52

Sta.	H.I.	Rod	Elev.	
51+60	<u>137.50</u>	7.1	130.4	
+68		5.8	131.7	
52+00		3.0	134.5	
J.P.	10.53	<u>145.07</u>	2.96	134.54
+50		10.3	134.8	
+69		11.7	133.9	
+72		12.7	132.4	
+77		11.7	133.4	
53+00		9.9	135.2	
+50		8.0	137.1	
54+00		8.3	136.8	
+50		7.3	137.8	
55+96		8.9	136.2	
55+00		9.9	135.2	
+05		8.6	136.5	
+50		5.2	139.9	
56+00		5.3	139.8	
+50		4.0	141.1	

Nov. 14/12
Chields
Taylor
53
Carter

139.24
137.87

cont. from page 53

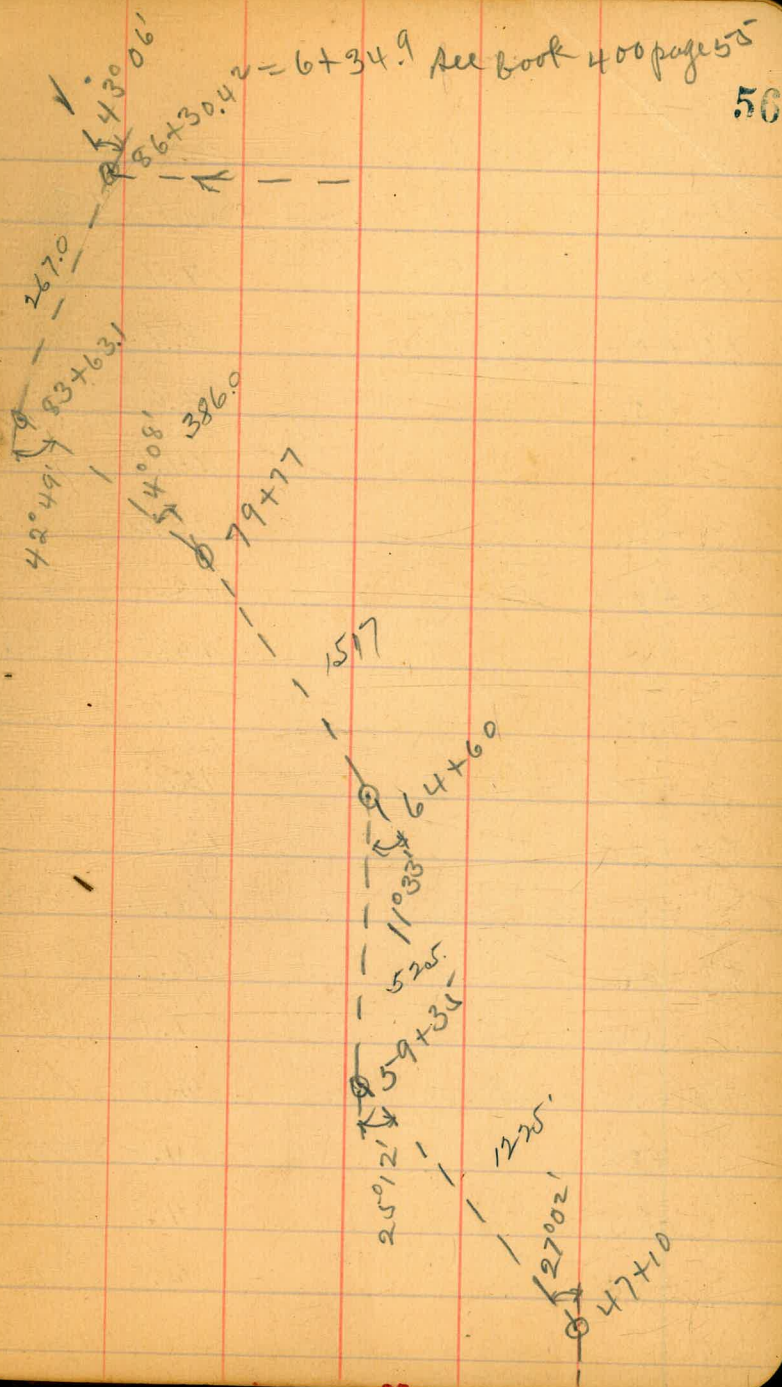
Sta.	H.I.	Rod	Elev
57+00	<u>145.07</u>	3.3	141.8
+14		2.7	141.4
+15		5.2	139.9
+32		6.3	138.8
+41		4.6	140.5
+50		3.4	141.7
J.P.	11.18	<u>150.19</u>	139.01
+71		6.06	139.01
		8.2	141.0
+80		11.3	138.9
+92		9.3	140.9
58+00		8.6	141.6
+50		6.9	143.2
59+00		6.1	144.1
+35	25° 12' R	5.64	144.55
J.P.	M.H.	11.47	<u>156.02</u>
+50		11.2	144.8
+97		10.0	146.0
60+00		13.8	142.2
+40		11.9	144.1

Cont. from page 54

Sta.	H.I. 156.02	Rod	Elev.
60+50		8.8	147.2
61+00		8.5	147.5
+50		7.6	148.4
62+00		5.9	150.2
+50		5.2	150.8
63+00		5.0	151.0
+16		8.9	147.1
+31		6.3	149.7
+50		4.7	151.3
+67		4.9	151.1
+75		8.3	147.7
+86		5.2	150.8
64+00		4.2	151.8
+50		3.1	152.9
+60	11° 33' L M.H.	3.05	153.0
+71		3.8	152.2
+75		5.3	150.7

Cont. from page 55

Sta.	H.I.	Rod Elev.	Elev.
64+82	<u>156.02</u>	2.7	153.3
65+00		2.2	153.8
J.P. +50	11.58 <u>166.28</u>	1.32	154.70
+50		11.3	155.0
66+00		11.6	154.7
+32		14.0	152.3
+40		10.8	155.5
+50		10.4	155.9
67+00		10.2	156.1
+50		9.4	156.9
+95		9.7	156.6
68+00		11.7	154.6
+06		9.6	156.7
+50 South edge of Blvd.		6.8	159.05
69+00 in parking bet.		4.4	161.9
+50 north edge Blvd		4.0	162.3
70+00		3.2	163.1
+24		5.6	160.7



cont. from page 56

Sta.		H.I.	Rod	Elev.
70+50		<u>166.28</u>	4.7	161.6
71+00			3.9	167.4
+50			2.6	163.7
J.P.	13.11	<u>179.05</u>	0.34	165.94
72+00			14.5	164.5
+50			13.2	165.8
73+00			12.6	166.4
+50			14.5	164.5
+56			16.5	167.5
+62			15.0	164.0
74+00			12.9	166.1
+50	east edge of Blvd.		10.4	168.6
75+00			8.7	170.3
+50			7.9	171.1
76+00	west edge Blvd.		6.7	172.3
+25			4.6	174.4
+50			4.9	174.1
+70			6.9	172.1

cont. from page 57

Sta.	H.I.	Rod	Elev.
76+79	<u>179.05</u>	10.0	169.0
+81		9.0	170.0
77+00		7.2	171.8
+50		5.5	173.5
78+00		5.1	173.9
+50		5.1	173.9
+75		4.8	174.2
+82		3.1	175.9
79+00		2.5	176.5
J.P.	5.60	<u>184.54</u>	0.11
+50		6.0	178.5
+77	4° 08' L M.H.	5.15	179.39
J.P.	11.92	<u>191.31</u>	
+82		11.8	179.5
+83		13.7	177.6
80+00		15.2	176.1
+50		14.7	176.6
+75		11.9	179.4
81+00		11.6	179.7

cont. from page 58

Sta.	H.I.	Rod Elev.
81+50	191.31	10.6 180.7
82+00		10.0 181.3
+18		11.5 179.8
+50		10.4 180.9
+70		11.6 179.7
+87		5.7 185.6
83+00		5.0 186.3
+50		2.2 189.1
+63.1	42°49' R M.H. about	1.63 189.68
S.P. +82	16' north of park line + about 30' west of old M.H. 8498.7	196.14 6.7 189.4
+85		7.8 188.3
84+00		8.0 188.1
+50		9.6 186.5
+56		12.0 184.1
+65		10.4 185.7
85+00		9.2 186.9
+50		8.6 187.5

Nov. 15/12 } Lehigh
Taylor
Allen 60

cont. from page 59

Sta	H.I.	Rod	Elev.
85+89	<u>196.14</u>	9.0	187.1
86+00		10.8	185.3
+16		9.9	186.7
+25		7.3	188.8
+30.42 M.H.	43° 06' L	6.99	189.15
" Sta 6+34.9 on line from 10 th + miss		2.25	
		193.89	30

Checked

Change in main sewer from 32nd St.
to outfall.

Sta.	HI.	Rod Elev.
79+40	1000' L m.H. in 82nd Street 121's 4.09	4.78 - 0.69
+55	So. grade line	5.7 - 1.6
+67	See Book 360 Page 8	7.6 - 3.5
80+00		8.0 - 3.9
81+00		7.6 - 3.5
82+00		7.5 - 3.4
83+00		7.5 - 3.4
84+00		7.5 - 3.4
85+00		7.6 - 3.5
86+00		7.8 - 3.7
87+00		8.0 - 3.9
88+00		8.2 - 4.1
+16	-0.34	3.0 - 3.3
+19		7.0 - 7.3
+57		6.2 - 6.5
+59		4.5 - 4.8
+86		3.9 - 4.2

7.40
4.09
- 3.31
= 2.97
- 0.34 H.I.

Nov. 18/12

Childs
Taylor
187

4.01
0.28
- 3.73 V.P.
~~3.73~~
11.96
15.69 H.I.
0.11
15.58 V.P.
12.17
27.25 H.I.
0.66
27.09 V.P.
12.98
40.04 H.I.
3.31
36.73 V.P.
3.78
40.51

7.17
33.42
40.59

cont. from page 61

Sta	H.I.	Rod	Elev.
89+00	<u>-0.34</u>	5.7	-6.0
+11		4.8	-5.1
+41		4.6	-4.9
+45		6.5	-6.8
+94		5.8	-6.1
90+00		5.1	-5.4
91+00		3.8	-4.1
92+00		4.2	-4.5
+25 hub.		4.20	-4.54

Nov. 18/12 } Leitch 62
Taylor
Allen

Sever line on 28th from center
to 5' south of bottom + east along edge

alley bet. Main + Colum
of bluff to 32nd street

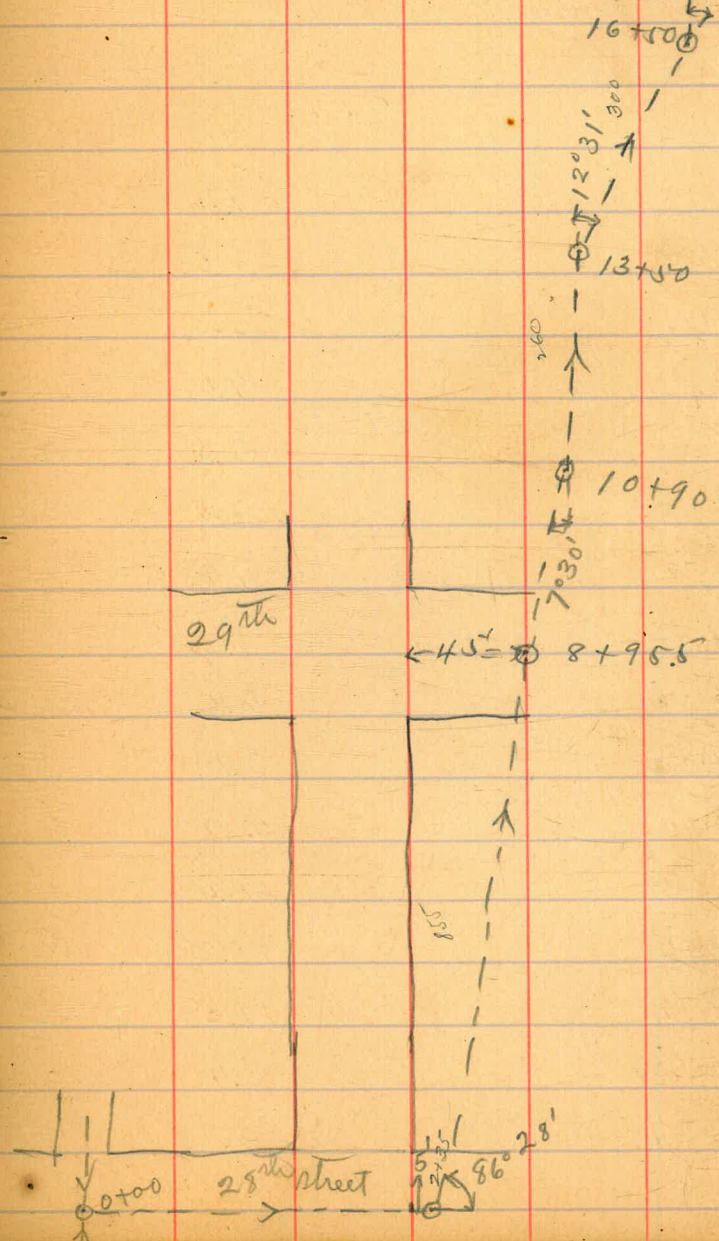
Childs
Taylor 83
Allen

Sta.	H.I.	Red	Elev.
0+00	m.H. Center alley 18.81	0.64	18.17
+50	bet. Colum + Main	3.4	15.4
1+00		5.8	13.0
+50		7.5	11.3
2+00		9.1	9.7
+35	86° 28' L m.H. 5' south	9.76	9.05
J.P. +50	J.P. of bottom + center of 28 th 0.18 - 9.23	0.9	8.3
+53		1.8	7.4
+58		0.9	8.3
3+00		1.6	7.6
+50		2.6	6.6
4+00		3.4	5.8
5+00		5.3	3.9
6+00		5.0	4.2
7+00		5.2	4.0
8+00		5.8	3.4
+62		6.1	3.1

cont. from page 63

Sta.		H.I.	Rod Elev.
8+74		9.23	-0.8
+95.5	high centering 29th		10.38 -1.15
9+00			10.3 -1.1
+10			10.1 -0.9
+18			6.4 2.8
10+00			6.6 2.6
+50			6.5 2.7
+90	7°30' L M.H.	7.58	10.07 6.74 2.49
11+00	J.P.		7.0 3.1
+50			8.1 2.0
12+00			11.9 -1.8
+50			13.3 -3.2
13+00			13.1 -3.0
+30			12.4 -2.3
+50	12°31' R M.H. Side draw.		8.07 2.0
14+00			1.8 8.3
+50			1.1 9.0

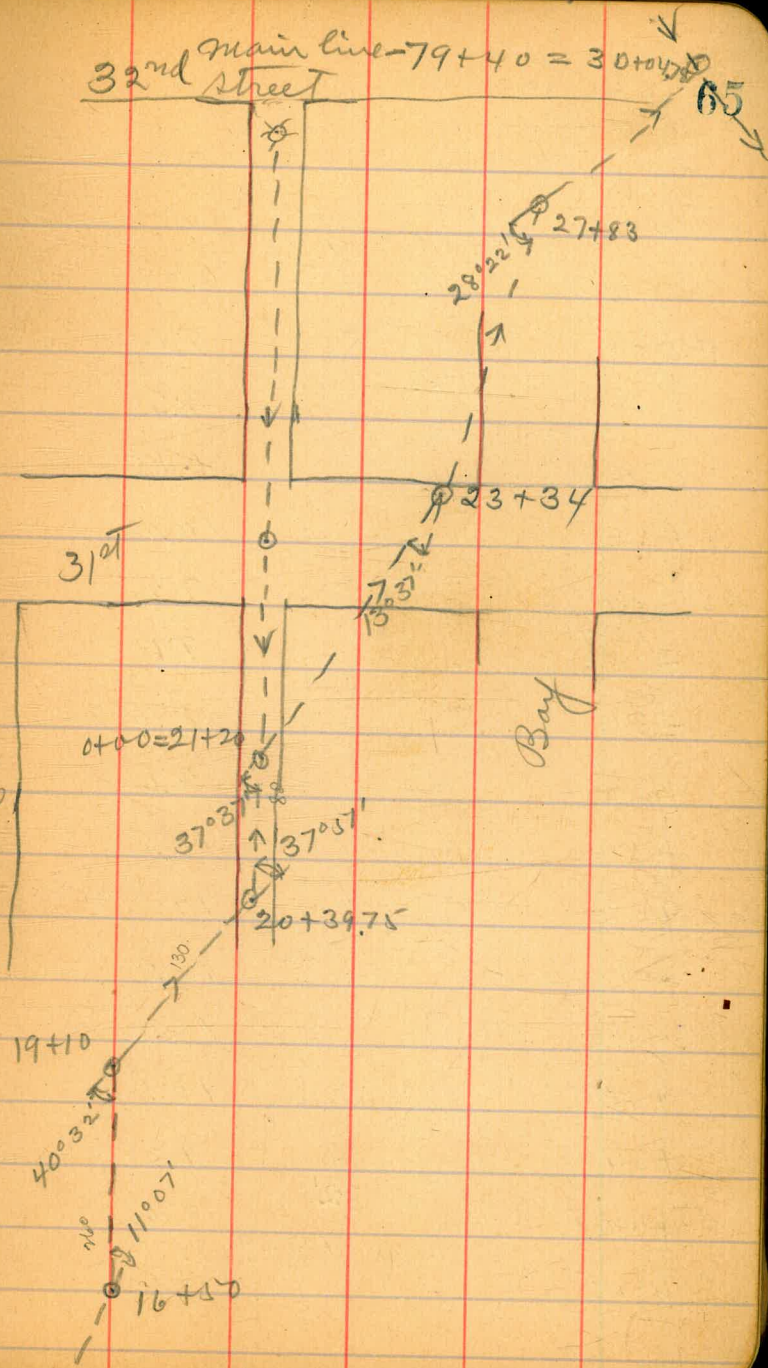
Nov. 20/12 } Childs
Taylor
Allen
11°07'



Cont. from page 64

Sta.	H.I.	Rod	Elev.
14+78	10.07	6.6	3.5
15+00		7.1	3.0
+50		4.6	5.5
16+00		5.3	4.8
+50	11° 07' L		
17+00	M.H. 6.60	9.03	7.64
+50		7.5	1.5
+88		8.6	0.4
18+00		9.8	-0.8
+50		9.3	-0.3
19+00		6.4	-2.6
+10	40° 32' R	3.9	5.1
+25	M.H.	5.09	3.9
+50		10.4	-1.4
+76		11.2	-2.2
20+00		11.5	-2.5
+27		8.4	0.6
		4.7	4.3

32nd main line - 79+40 = 30+00



Nov. 20/12
 Childs
 Taylor
 Allen

Cont. from page 65

Sta.	H.I.	Road	Elev.
20+39.75	37° 51' L 9.03	M.H. Center valley bet. Colton + Bay	6.07 3.0
+50			4.0 5.0
J.P. 80	7.37		8.59
21+00	15.96 16.00		0.44 5.8 3.4 10.7 10.6
	37° 37' R		
+20		M.H. Center valley bet. Colton + Bay	6.45 9.51
+50		Just west of 31st	10.0 6.00
22+00		(drop M.H.)	9.2 6.8
+15			9.1 6.9
+31			13.4 2.6
+33			9.6 6.4
+50			10.5 5.5
+82			14.1 1.9
+90			16.5 -0.5
23+00			12.1 3.9
+10			10.1 5.9
+34	13° 37' L	M.H. near east line 31st about 2'	7.27 8.7
+50			3.8 12.7
J.P.	7.70		15.89 7.77 8.19
24+00			3.9 12.0

cont. from page 66

Sta.		H.P.	Rod	Elev.
24+50		<u>15.89</u>	2.5	17.4
25+00			7.2	8.7
+50			12.3	3.6
J.P. 26+00	0.73	<u>4.92</u>	11.70	4.19
			4.3	0.6
+50			6.2	-1.3
27+00			5.5	-0.6
+50			4.3	+0.6
+83	28°22' R M.H.		4.21	0.7
28+00			4.3	0.6
+50			7.5	-2.6
29+00			8.2	-3.3
+50			8.1	-3.2
30+00			5.8	-0.9
+04.78	M.H. in 32 nd street on Main line.		5.69	-0.77

0.77

RETURN TO
CITY HALL, SAN DIEGO, CAL.

-4.0

Nov. 21/12

Childs
Taylor
Allen

alley line bet. bottom & Bay
 of center of 31st to Sta. 6+75 near
 Sta.

	H.I.	Rod Elev.	
0+00 M.H. 141.95 west	<u>22.16</u>	12.65	9.51
+50 of center of 31 st .		10.5	11.7
+64		8.1	14.1
T.P.	12.17	<u>33.87</u>	0.46 21.70
1+00		10.7	23.7
+41.95 hub center of 31 st .		9.54	23.4
+50		10.4	24.5
2+00		13.9	20.0
+27		16.3	17.6
+50		15.1	18.8
3+00		10.4	23.5
+50		3.1	30.8
4+00		0.6	33.3
+50		0.9	33.0
5+00		0.9	32.0
+50		1.0	32.9
6+00		1.9	32.0
+50		1.8	32.1
+75 F.S. near 32 nd		1.90	32.0

from 141.95 west
 32nd.
 NW. 2 1/2

Lehilds
 Taylor
 Otter

Change in line below collar

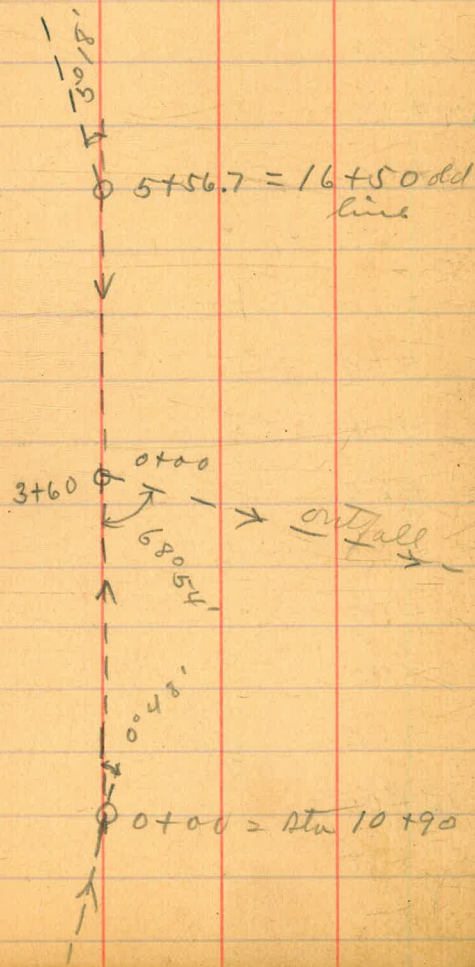
To sta 16+50

Sta.		H.I.	Rod	Elev.
0+00	0° 48' L M.H. = 10+90 on page 64	6.37	3.88	2.49
+50			5.8	0.6
+71			7.8	-1.4
1+00			9.0	-2.6
+50			9.6	-3.2
2+00			9.6	-3.2
+50			9.6	-3.2
+79			8.5	-2.1
3+00			7.5	-1.1
+25			6.8	-0.4
+50			7.0	-0.6
+60	M.H. where outfall starts	7.26	-0.89	
4+00	off.	6.5	-0.1	
+40			4.9	1.5
+50			5.0	1.4
5+00			3.7	2.7
+50			4.2	2.2
+56.7	5° 18' L M.H. = Sta 16+50 on page 65	3.94	2.43	

from Sta 10+90

Dec. 16/12

John 69
Taylor
Allen



change in outfall from sta

3+60 page 69

Nearby west to Bay.

Sta.	H.I.	Rod	Elev.
0 +00 m.H. = Sta 3+60	<u>6.07</u>	6.96	-0.89
+15 m page 69		8.7	-2.6
+20		10.0	-3.9
+28		10.9	-4.8
+50		10.2	-4.1
1 +00		9.8	-3.7
+50		10.7	-4.6
+56		10.7	-4.6
+60		12.7	-6.6
+64		11.0	-4.9
+80		9.6	-3.5
2 +00		9.4	-3.3
+50		9.6	-3.5
3 +00		9.6	3.5
+50		9.7	3.6
4 +00		9.7	3.6
+50		9.5	3.4

Cont. from page 70

Sta.	H.I.	Rod Elev.	Elev.
5+00	<u>6.07</u>	9.2	-3.1
+40		9.0	-2.9
+50		4.9	1.2
+53	hub. about 4'	4.48	1.6
+60	No. of no. rail of S. W. & A.	3.7	2.4
+73		4.9	1.2
+80		8.3	-2.2
+85		10.0	-3.9
+94		9.3	-3.2
6+00		8.9	-2.8
+26		10.2	-4.1
+33		10.5	-4.4
+42		9.3	-3.2
+47		8.9	-2.8
+50		7.5	1.4
+56		5.8	0.3
+64	center of	4.8	1.3
+73	Santa Fe	6.6	-0.5

levit. from page 71

Sta	H.I.	Rod	Elev
6+80	<u>6.07</u>	8.8	-2.7
+87		10.3	-4.2
7+00		9.6	-3.5
+28		9.8	-3.7
+32		8.5	-2.4
+50		7.8	-1.7
+95	hub. near	7.53	-1.46
8+00	high tide line	7.3	-1.2
+50		10.7	-4.6

Dec 16/12 }
Rebilda
72
Taylor
Allen

J.P.

2.05 +0.59

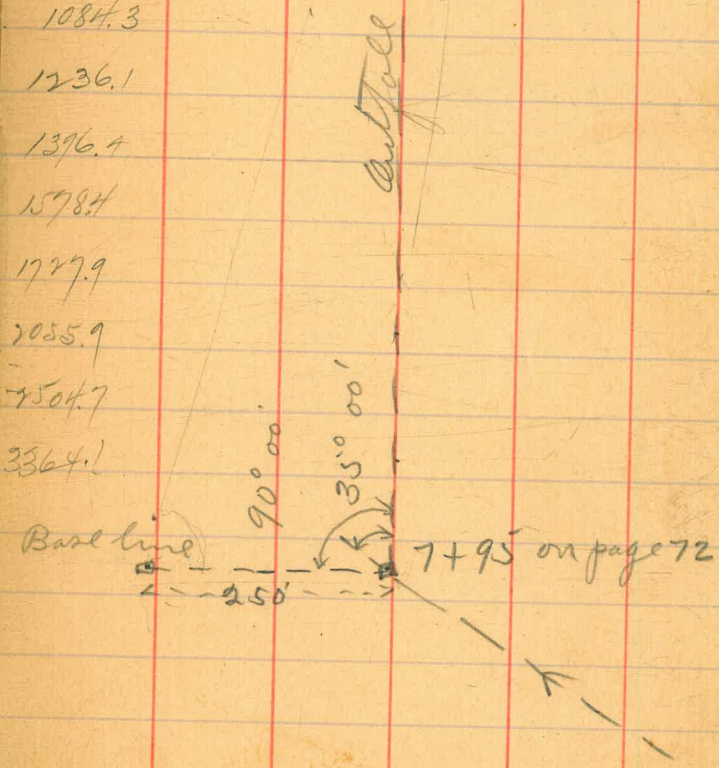
H.I.

-1.46

	angle	Rod	water Level	Behind water Level	
1	73° 13'	13.00	-12.4	4.5	-16.9
2	73° 42'			5.6	18.0
3	75° 08'			6.5	18.9
4	76° 18'			7.5	19.9
5	77° 02'			7.5	19.9
6	78° 34'			8.4	20.8
7	79° 51'			9.0	
8	81° 00'			9.4	
9	81° 53'			9.8	
10	83° 04'			10.5	
11	84° 18'			10.5	
12	85° 45'			11.0	

see next page

Feb. 20/13
 { Childs
 Taylor
 Weston



J.P.

2.13

H.I.

+0.67

-1.46

Jan. 4/13

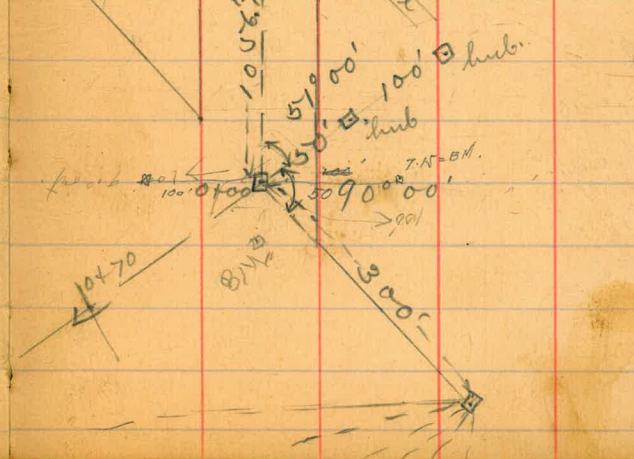
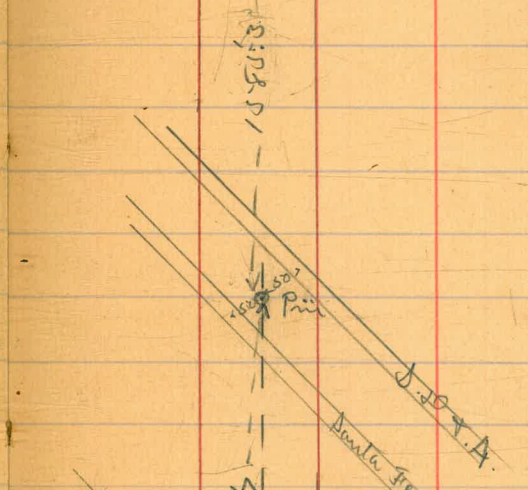
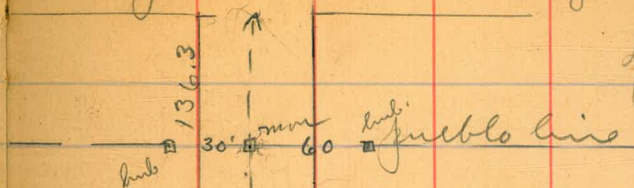
 Childs
 Taylor
 Allen
 Lockwood

No.	Angle	Rod	water level.	Below water level	dist from 7+95.
1	74°14'	10.1	- 9.4		885.45
2	74°57'			6.0 - 15.4	929.77
3	75°16'			6.7 - 16.1	950.69
4	75°55'			6.7 - 16.1	996.52
5	76°36'			10.0 - 19.4	1048.09
6	76°44'			10.5 - 19.9	1060.33
7	76°50'			10.6 - 20.0	1068.67
8					
9					
10					
11					
12					

Bay ave.

May 10/13

Schulds
Wtem
Bunker



B.M. 763

no.	angle	Rod	water level	Below water level
1	67° 13'	714.25	-10.0	0.5 -10.5
2	68° 42'	769.46		1.1 -11.1
3	70° 02'	825.74		1.4 -11.4
4	71° 00'	871.26		1.9 -11.9
5	72° 12'	934.39		2.5 -12.5
6	73° 40'	1023.70		3.4 -13.4
7	74° 26'	1074.48		4.0 -14.0
8	75° 18'	1143.53		4.3 -14.3
9	76° 34'	1256.02		5.2 -15.2
10	77° 58'	1407.36		5.5 -15.5
11	78° 01'	1413.51		6.0 -16.0
12	79° 07'			6.7
13	79° 41'			6.8
14	80° 16'			7.4
15	80° 48'			8.0
16	81° 13'			9.3
17	82° 03'			10.4

may 12/13
 builds
 after
 m. 78
 Bunker
 Rod Hall

H.F.	Rod	Hall
4.47	+12.10	7.63
0+00	outface m.#.	4.0 8.1
+13		4.2 8.9
+16		10.3 1.8
J.P.		11.97 0.13
+24		3.2 -2.1
0.78	+0.91	5.8 -4.9
		10.9 -10.0

18

cut stakes see page 43

7/13
small
shallow
Kerr

	+R	M1.	-R	El. top stakes	grade	cut
B.M.	2.24	88.84		86.00		
0+0 M.H. #14 E of #11 st			2.24	86.0	69.0	17.0
0+50			3.1	85.7	69.50	16.2
1+0			3.8	85.0	70.00	15.0
1+50			4.6	84.2	70.50	13.7
2			5.4	83.4	71.00	12.4
+50			5.8	83.0	71.50	11.5
3			5.5	83.3	72.00	11.3
+50			4.8	84.5	72.50	12.0
4			3.5	85.3	73.00	12.3
+50			4.4	84.9	73.50	11.2
5+0			4.2	84.6	73.97	10.6
5+05 M.H. 8°46' L			4.2	84.6	74.00	10.6
+50			5.7	83.1	74.20	8.9
6+0			6.1	82.7	74.42	8.3
+50			6.0	82.8	74.65	8.2
7			6.2	82.6	74.87	7.7
+50			6.09	82.75	75.10	7.7
8+0	884	91.59	6.09	82.75		
			7.6	84.0	75.32	8.7

91.59

8+50	.7.2	84.4	75.55	8.9
9 No. 5 to Kc. acct. scrip. 1800			75.77	
+50. M.H.	12.9	78.7	76.00	2.7
10	6.2	85.4	77.08	8.3
+50	4.4	87.2	78.16	9.0
11+0	3.8	87.8	79.24	8.6
+50	3.0	88.6	80.32	8.3
12	1.6	90.0	81.40	8.6
+50	0.3	91.3	82.48	8.8
12+65 M.H. 7° 07' R.	0.5	91.1	82.80	8.3

78

2 Sewer line on Wellbourn
 200' Southwest
 H.I.
 5.48 268.70 263.22

Sta	Old M.H. 3+65 Page 7	Rod	Ground
0+00		9.53	259.17
+50		7.77	260.93
1+00		6.45	262.28
+50		5.46	263.24
2+00		4.05	264.65

54.60
 From M.H. at Bush to J. Childs
 Evans
 BM. S.E. Bush + Lark. ^{run 28/18} _{middle}

Grade	dit
254.60	4.6
255.60	5.3
256.60	5.7
257.60	5.6
258.60	6.0

4th A

B.M.

0.65 100.65 100.00

Bottom basement 12.65 87.35
9.40 90.60

10th + Robinson

8.30 103.30 100.80

6.85 1.45

100.0

11.25 88.75

10.63 89.37

.62

5.00
2.85
2.15

90.60

87.35

3.25

5.00

17.5

1- 67.13 ^{7M}

2- 68.42

3- 70.02

4- 71.00

5- 72.12

6- 73.40

7- 74.24

8- 75.18

9- 76.34

10- ~~76.34~~

11- ~~76.07~~

12- 77.58

13- 78.01

14- 79.07

15- 79.41

16- 80.16

17- 80.48

18- 81.13

19- 82.03

2.07

- 1.46

+ 0.61 H.T.

11.00 water

0+00 4.0
+13 4.2
+16 10.3
+24 3.2
+70 - 5.8

1197

7.63

447

12.10

11.97

2.13

.78

.0.91

0.58 SP

00
20
20
60

270
 20
 290
 5 1.23
 291.4
 286.0
 283.5
 290.00

290.00
 290.00

D.W. 84.911
 N.W. 82.9475
 131.24
 131.24 10000
 52.496 53
 262.48
 131.24
 393.72
 131.24
 1722.39376
 250
 3.00
 20.55
 150
 93
 395
 190
 643

285
 630 660 1267
 915
 157.5
 31.5
 45
 1040
 2205
 2080
 213200
 19
 2431.643119

243
 19
 2187
 243
 461.7
 4501
 1160
 643 x 461.7 = 71
 4501
 1160

20 5 14
 3 75 132.5
 32.5
 165.0
 RETURN TO CITY ENGINEER
 CITY HALL, SAN DIEGO, CALIF.

RETURN TO CITY ENGINEER
 CITY HALL, SAN DIEGO, CALIF.

273.40
 35
 110340630.91
 330
 15.45
 Wellborn p9.79 1000
 990
 100
 -2.6
 412
 3
 820



387
 26
 2322
 774
 1100.62 15
 668
 3300
 1620 17.5
 2 3.500
 21.00

-0.5
 -27
 2900
 5.6
 16
 74

M