

Misc. Surveys.

ades. Cable Road.

Sections on

filled

edwood 9

9

TRANSIT

F.B.9

9

*Return to City Engineers Office
City Hall, San Diego, Cal.*

MICROFILMED

DEC 2 1964

9

*Return to City Engineers Office
City Hall, San Diego, Cal.*

*4 11 09
50 100 9
19
50 100*

50 100

50

Innsider R.B. Survey & grades
for wall - - - 15

Fehlman H survey of lots L

Blk 354 H A. 30

3rd St cross sections 31-35

2nd St " " 36-40

Redwood St " " 41-44

McC Kenzie & Bros. 11

Barris Harry L. survey W 1/2 blk 280 M.T. (2

" " survey lots 283 blk 16 M.T. (3

Stowe O.J. Grades 14

S.H. Cable Co. Sinter & grades 3-6

copied into Cable Road book

Arnold - Grades 7

Parker Judge - survey 8

Board of Education Plat of Home 9

Cable Co. Grades - - 10-11

Clive Ave x sections 12

Logan & 22nd x " of corner plots 13

Clapton x sections of cable co. ditch 15

Gas Co. location of pipes 17

Cable Co, Grades copied into book 19-20

McC Ronald, W. J. ^{gravel} lot K. 15 H.A. 21

Cable Co 22-23

Reid Bros survey lots S. H. I blk 283 24

Herrman Odd 24

Logan Ave Grades 27-28

Board of Education survey of Cent Home 29

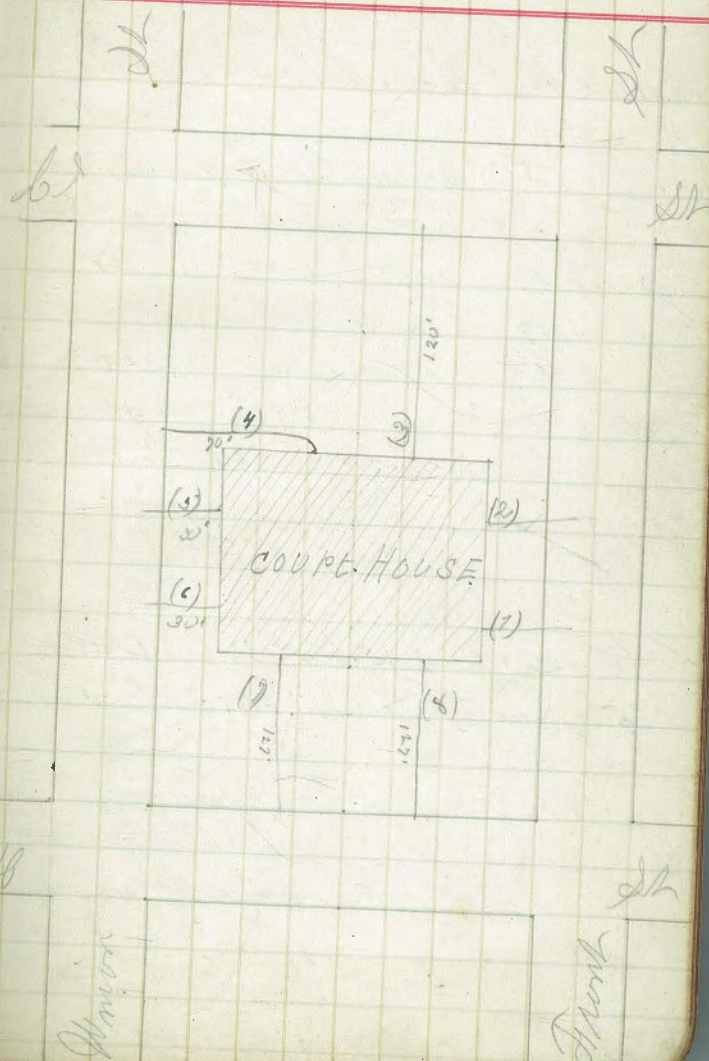
Grades for leaders from eaves
south of court house
for the Kenzie & Bro.

Grades for drains to cover
troughs at court house
drains as in diagram
Drain No. 1. 115 dist from N
line of H St. Elev at Bld 29.95
& fall of $\frac{1}{8}$ " in 1' to gutter
No. 2. 140' dist from N
line of H St. Elev at Bld. 29.09
fall of $\frac{1}{8}$ " to foot to gutter.
No. 3. 120 S of C St
Elev at Bld 31.0 fall to gutter
 $\frac{1}{8}$ " to 1' or 1' in 96'
No. 4. 150 N of H St. 70' east of
Union St. Grade 28.04. fall
of $\frac{1}{8}$ " to 1' to gutter
Nos 5 & 6 dist respectively 155 & 107
ft from S line of H St. Elev 27.5 &
27.9 fall $\frac{1}{8}$ " to 1' to gutter. lengths so
Nos 7 & 8 outlet the same as old
gutter. 127 in lengths each bell
2-100, to gutters on d St

Aug 29, 1888

Hamelin
Cotton
Williams
Kensley

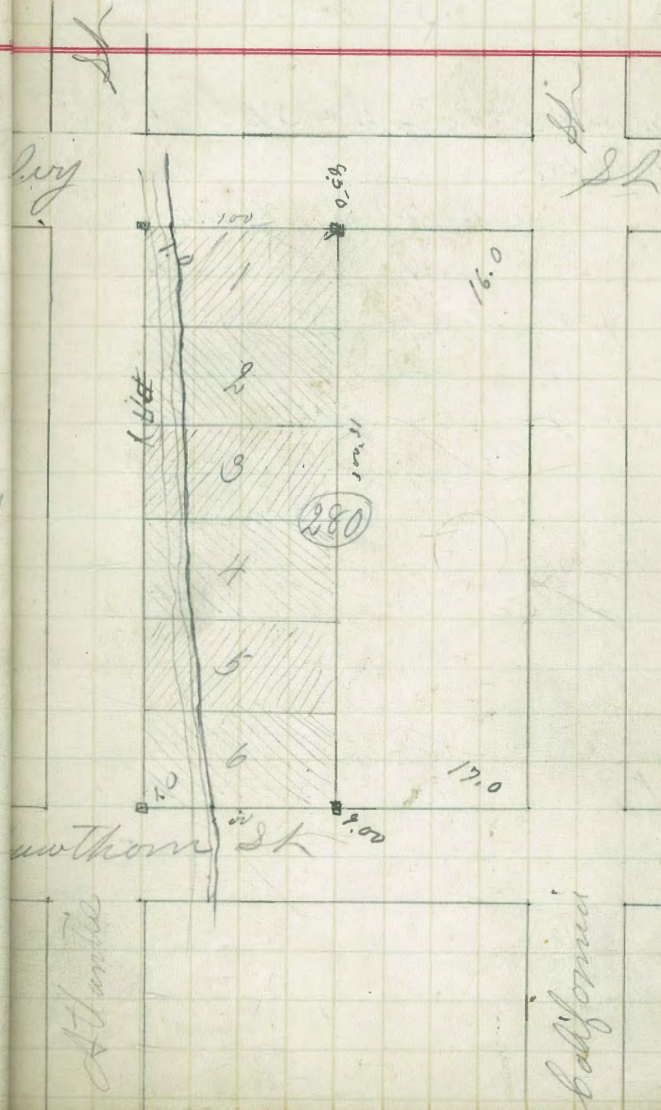
1



for Bm + H2 Grad Rod

Survey of W. 42 Blk 280
 4 points
 5 grades 3 as indicated in sketch
 for Henry & Clara

21.57	0.30	21.87	11.30	10.57
	1.77	12.57	9.50	3.57
			8.50	4.04
			6.10	6.44
			8.50	
			6.44	
			2.06	
11.51	2 1-28	2.57	9.97	
Bm.	Hawthorn & Oak	3.77	17.51	



Sept 2 1889

Hamlin
Linton
Williams
Kempsey

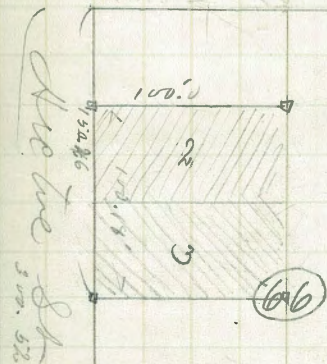
3

Survey of Lots 2 & 3 Blk 66
M. J. L. for

Henry L. Davis

Kalmie

St



Andrew

St

Quimper

St

Grades for Stone

Hawthorn St bet 3rd & 4th

Sept 4 1889

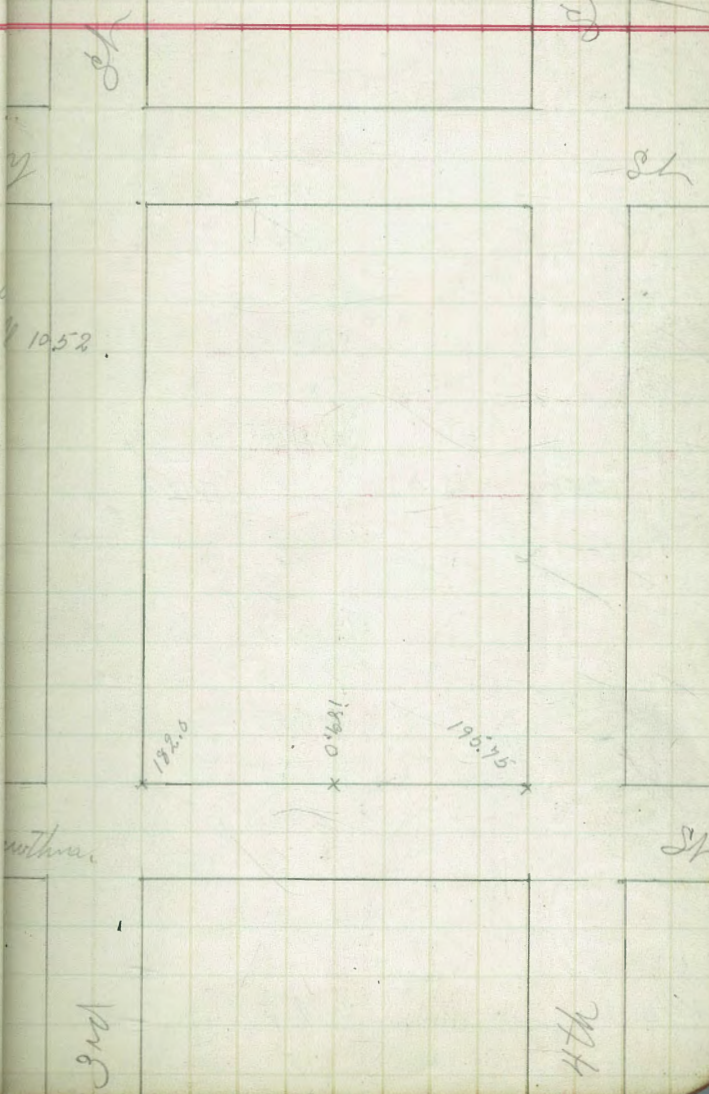
Hambler
Huber

4

Sum
Sp
for

Sea
trou
dr
Sm
& fa
N
Sm
fa
N
C
H
N
W
of
2
No 27
gr
2-1

Bm	+	H.O	Grade	Prod	Elev
196.31	2.01	198.32			
			195.75	2.57	
			189.00	9.32	
	0.15	186.87	11.60	186.72	
	1.17	176.36	11.68	175.19	Grade
			4.88	171.48	172.1052
	11.04	186.23	-1.17	175.19	
	9.70	192.69	3.24	182.99	
B.M.	3 rd & 4 th Scape		8.89	185.80	B



Grades & Sines on 6th St
for Cable Road.

Hambin
Orton
Williams
Hensley

Sept 9 1889

5

5.79

Sum
Sp
for

Sea
Trow
dr
Sine
of
N
Sine
fa
N
C
N
W
of
S
N
W
2-1

Sta	+	H O	Grade	Road	ble
B.M.		10.03			3.79
0			2.417	7.613	✓
+50			3.084	6.946	✓
1			3.750	6.280	✓
+50			4.417	5.613	✓
2			5.083	4.947	✓
+50			5.750	4.280	✓
3			6.417	3.613	✓
B.M.	5.50	13.820		1.710	8.110
+40			6.917	6.903	✓
0			7.417	6.403	✓
+50			8.167	5.653	✓
1			8.917	4.903	✓
+50			9.667	4.153	✓
2			10.417	3.403	✓
+50			11.167	2.653	✓
3			11.917	1.903	✓
B.M.	7.53	20.84		0.51	13.33
+40			12.417	8.423	✓

N line of L St

S line of K St

W line of K St

K St

N line of K St

S line of J St

J St

Sea
Sp
for

Sea
Trow
of
dr
line
of
N
line
fa
N
C
11
N
W
of
of
1
2
No. 2
gu
2-1

Sta + H₀ Grade Rock Elev

20.84

line of J Sh

12.917 7.923 ✓

13.750 8.090 ✓

14.584 8.256 ✓

15.417 8.423 ✓

16.250 8.590 ✓

17.083 8.757 ✓

17.917 8.923 ✓

18.750 9.090 ✓

19.584 9.256 ✓

20.417 9.423 ✓

21.250 9.590 ✓

22.083 9.757 ✓

22.917 9.923 ✓

23.750 10.090 ✓

24.584 10.256 ✓

25.417 10.423 ✓

26.250 10.590 ✓

27.083 10.757 ✓

27.917 10.923 ✓

28.750 11.090 ✓

29.584 11.256 ✓

30.417 11.423 ✓

31.250 11.590 ✓

32.083 11.757 ✓

32.917 11.923 ✓

33.750 12.090 ✓

34.584 12.256 ✓

35.417 12.423 ✓

36.250 12.590 ✓

37.083 12.757 ✓

37.917 12.923 ✓

38.750 13.090 ✓

39.584 13.256 ✓

40.417 13.423 ✓

41.250 13.590 ✓

42.083 13.757 ✓

42.917 13.923 ✓

line of J Sh

J Sh

line of J Sh

line of H Sh

25-3921/40
25-1665-55

com 6th & H Sh

Sept 12th/89.

7

Grades
for

Bm + HI Grade Rod

Grades for Mr Arnold

18th & B St, NE cor

4 points at curb

68.96 8.88 77.84

8.94 86.48 0.30 77.54

68.0

9.84

Cut

70.67

7.17

73.33

4.51

86.48

76.00

10.48

7.17

Clinton
Williams
Hensley

18th

St

St

84.0

78.67

76.00

78.33

70.67

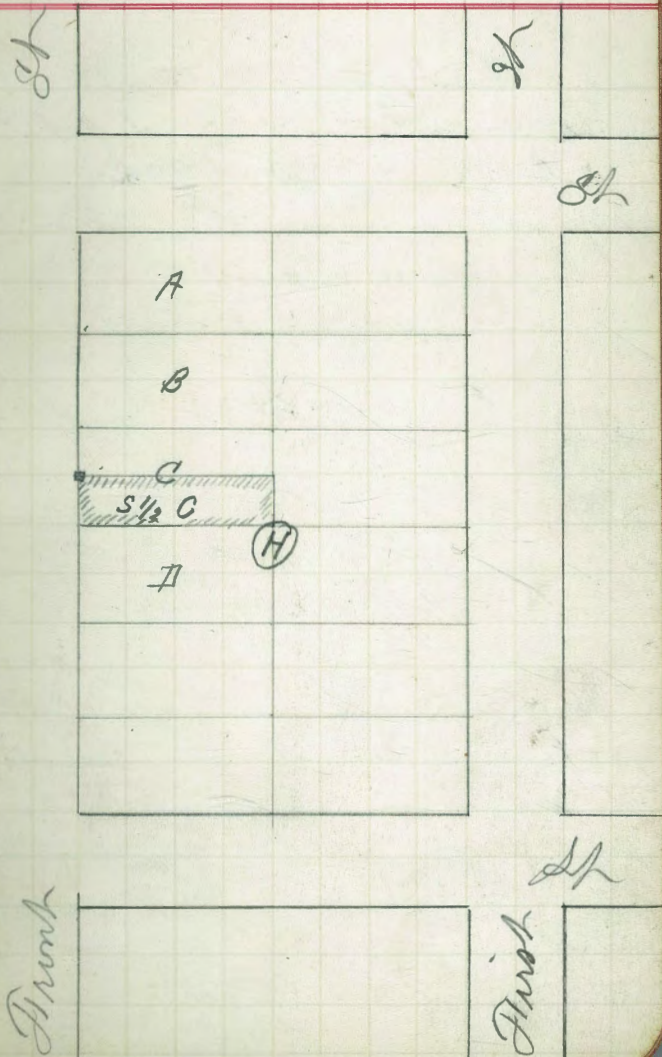
68.0

Sept 14 1889

Hambur
Huber
Van Hook

8

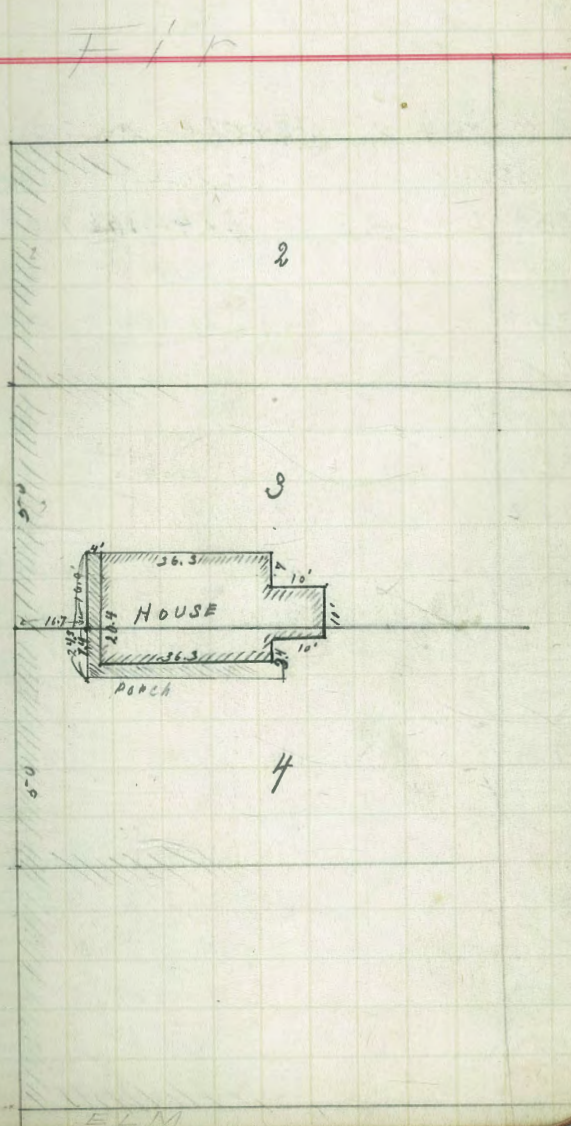
Get NW cor of S 1/2 of lot C
slk H. H.A. and a
point on middle line of
lot C on opposite side
from Judge Parker



Plot of house on Middle
town School lot
Blk In F add.

Street

Salle



Grades for cable car

Sta
for
B
tra
dr
lin
2
N
lin
fo
N
C
1
W
of
2
4027
go
2-

Sta	+	H ₀	Grade	Prod	bl
B ₀	6.405	32.893			26.
3+0			24.417	8.476	✓
+60			24.917	7.976	✓
0			25.417	7.476	✓
+50		50'	26.334	6.359	✓
1		1	27.250	5.643	✓
+50		9166	28.167	4.726	✓
2			29.043	3.810	✓
+50		0.9166	30.000	2.893	✓
3#	5.540	36.118		2.315	.80
B ₀	4.475	38.043		2.560	33.0
3+0			30.917	7.126	✓
+40			31.417	6.626	✓
0			31.917	6.126	✓
+50		50	32.592	5.451	✓
1+0			33.267	4.776	0+
+50		50	33.942	4.101	✓
2+0		0.575	34.617	3.426	✓

S line H St
H St
N line H St
line of S St
N line S St

Br
S/ov
for

Stu + HD Grade Rod

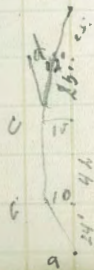
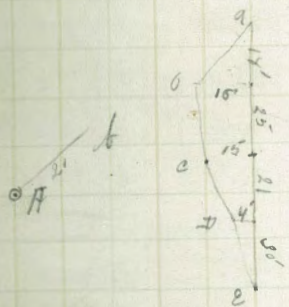
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of
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gu
2-

		38.043	33.292	3.426 0.75	
2750			35.292	2.757	
370			35.967	2.076	3 line Fish
#	3.195 ^m	39.583	1.55	36.388	
			1.25	38.333	

Cross Section of borrow pit
at 22nd and Logun Ave.

Sta	+	W	-	Elev
B.M.	4.41			
A				5.3
B		bottom		7.6
C				5.6
D				8.1
E				5.9
F				8.4
G				5.9
H				8.4
I				6.1
J				9.1
Pit no. 2				
K				4.5
L				7.1
M				5.9
N				7.2
O				5.0
P				7.4
Q				5.0
R				7.8
S				5.5
T				9.2

Logun & 22nd s/pk post



Check Levels over Leubke Road from L.S. to R 14

See
for
See
from
at
dr
Sm
& f
M
Sm
for
M
C
1
of
of
2
dist
go
2-

Sta	+	HI	-	Blw	Gr
B 9	5.90	9.70		3.790	
0150			6.61	3.09	+ 0.
120			5.92	3.78	+ 0.
150			5.28	4.42	+ 0.1
220			4.61	5.09	+ 0.1
150			3.99	5.76	0.
320			3.28	6.42	- 0.1 3 of K 24
140			2.765	6.935	+
0			2.276	7.425	
B 9			1.375	6.325	

Sept 18 1860

15

Cross Section of French rubble road for J. G. Capron

Sta	+	H ₀	-	Elev	determine amount of concrete filling
0	5.96	(14.5) 14.28		8.32	
	5.96			8.32	elev of bottom
0			10.1	4.2	N line R St
			Bottom width	1.8 ✓	
			T of width	4.6 ✓	
+50			9.3	5.0	B. ditch
			T of width	4.4 ✓	
			Bottom	1.8 ✓	
170			5.6	5.7	B. ditch
			T of width	4.3 ✓	
			Bottom ..	1.6 ✓	
+50			7.8	6.5	
+750			T of width	4.4 ✓	
			Bottom ..	1.6 ✓	
270			7.1	7.2	
			T of width	4.4 ✓	
			Bottom ..	2.0 ✓	
+50			6.3	8.0	
			T of width	4.4 ✓	
			Bottom	1.6 ✓	

Grades for cable inspection II to I St

Sta +	H ₂	Grade	rod	Σ
BM 4.695	38.165			
0		31.917	6.348	✓
+50		32.592	5.673	✓
1		33.267	4.998	✓
+50		33.942	4.323	✓
2+0		34.617	3.648	✓
+50		35.292	2.973	✓
3+0		35.967	2.298	✓
#	3.700	39.045	1.2	36.
			1.570	38.

N line of I St

S line of I St

Location of Gas & Water
 pipes of H & 6th St

Sept 23

1889

Hamber
 Artur
 Wallwine

17

Sta	+	H ₀	-	Elev
	2.20	28.69		26.49
			6.87	21.81
H St			6.24	22.45
291	1.79	40.13		38.34
F St			6.54	33.59

Top of water pipe feeds to hydrant
 at Sta 3+0 crosses cable road

Top of gas pipe crossing
 cable road of Sta 3+30

Top of gas pipe at 6th & F
 crossing cable road of Sta 0+0

Grades for R.B. Ironside

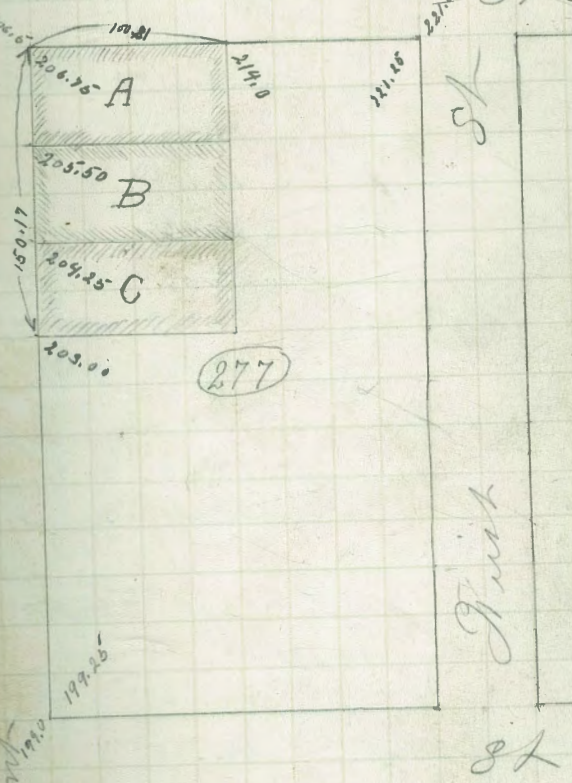
Sept 24 1883

Humble
Return
William 18

Bm + H.O. Grade

Grades for wall for
Lots A, B, & C, Blk 277 H. Ironside

199.34	8.73	208.07		
#	6.00	212.36	1.71	
		206.75	5.61	
		205.50	6.86	
		204.25	8.11	
		203.10	9.36	
Bm			4.64	20
#	7.58	217.60	2.34	210
		214.00	3.60	
#	10.48	227.01	1.07	206
Bm			4.41	222



Grades for cable car Sixth St from 6 to 19

Sta	+	HO	Grade	Rod	
Bn	6.759	45.092			38
B+0			36.967	19.105	✓ S line of T St
				.100	
7	+40		36.217	8.876	✓ T Street
				.250	
	0		36.467	8.626	✓ N line of T St
	+50		37.400	7.692	✓
	1+0		38.334	6.754	✓
	+50		39.267	5.825	✓
	2+0		40.200	4.892	✓
	+50			.934	
	3+0		41.134	3.954	✓
			42.067	3.020	✓ S line of C Street
	+40			.500	
			42.567	2.525	✓ C Street
Bn#	5.21	49.921		.39	44
			43.067	6.854	✓ N line of C Street
	+50		44.292	5.629	✓
	1+0		45.517	4.404	✓
	+50		46.742	3.179	✓

50
 10.933
 50
 1225-50

Section
 from
 the
 line
 of
 the
 cable
 car
 to
 the
 line
 of
 the
 street
 1027
 90
 2-

11.1.3

1.123

Sta	+	H ₂	Grade	Rod	Co
	5.170	49.921	49.921	-1.123	48.
2+0		53.938	47.963	1.958	
+50			49.192	4.746	-
3+0			50.417	8.521	✓
B ₉ n			50.407	3.340	57.
+40			50.667	8.740	✓
B ₉ n	8.817	59.407			50.
0			50.917	8.470	✓
+50			51.708	7.699	✓
1			52.500	6.912	✓
+50			53.292	6.115	✓
2			54.084	5.323	✓
+50			54.875	4.532	✓
+80			55.349	4.056	✓
3+0			55.617		
B ₉ n				1.999	57

0.796 250'

S line of B Street

B Street

N line of B Street

20' S of S line of C Street

Curt grade for H. Madison
 set K blk 15 H.A.

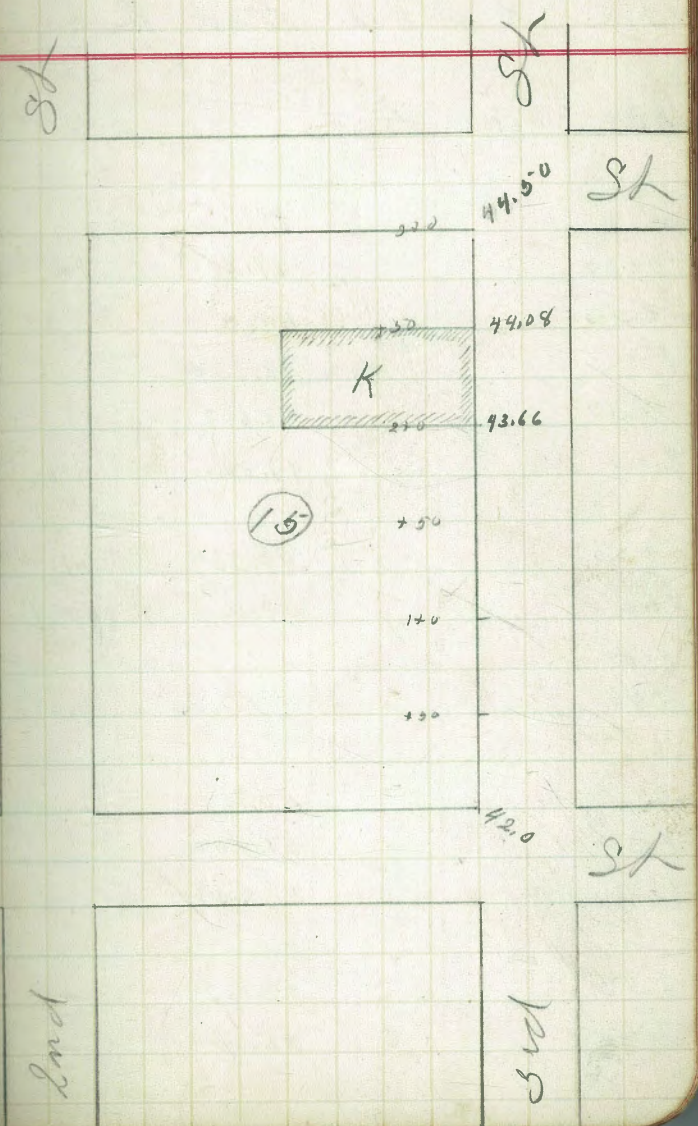
Sept 27 1889

Hennrich
 William 21

Sta	+	NO	Grade	Rock
-----	---	----	-------	------

Bm	3.20	48.31		45
----	------	-------	--	----

		43.66	4.65	
		44.08	4.23	
Bm	3rd & B St		4.76	46



Grades for cable road on 4th St

8
2
6
S
tr
of
de
In
e
C
S
t
o
Q
g
402
g
2

Sta	+	HO	Grade	Prod	3
Bm	4610	53 975			49
0			47.687		
0+20			47.800	6.075	✓
+50			48.000	5.975	✓
1		50	48.334	5.541	✓
+50			48.667	5.208	✓
2+0			49.000	4.875	✓
		0.8333		.54	
+50			49.334	4.541	✓
3+0			49.667	4.208	✓
Bm				3.25	50.0
+40			49.917		
0			50.167		
+50			51.500		
1			52.834		
+50			54.167		
2+0			55.500		

PTT

S line of B St

center of B St

N line of B St

Sta	±	H ₀	Grade	Roll	Obs
-----	---	----------------	-------	------	-----

+50

1.3308-50

56.854

8+0

58.167

S line of A street

Sept 28

1883
Humboldt
Clinton
Williams

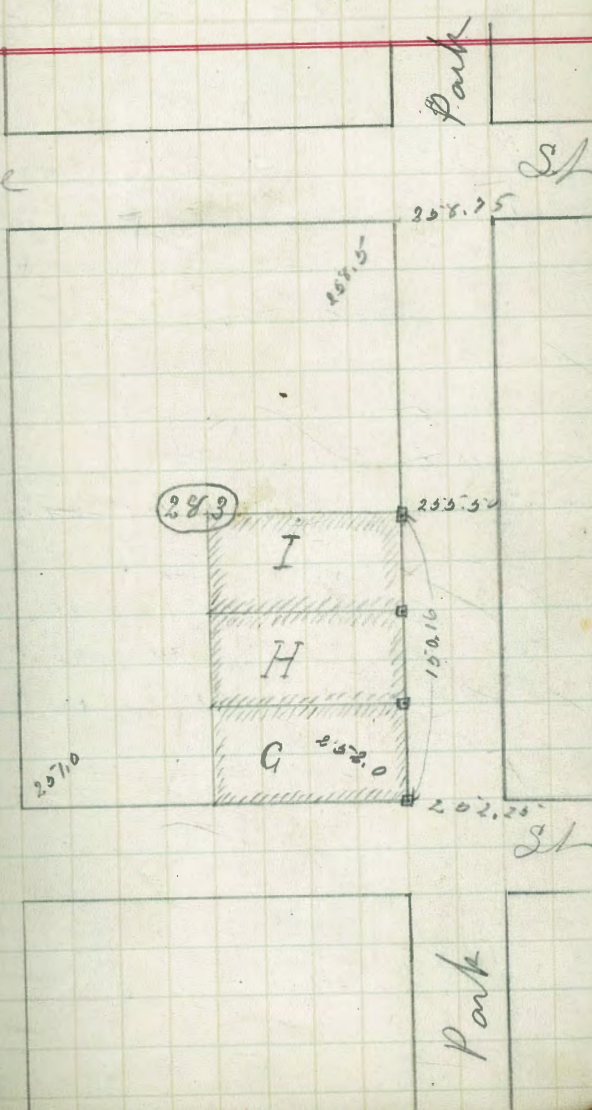
24

Sta + H O Gentle Bend

Survey of Lots G, H, & I B
280 Hortons Add
for Reid Bros
Set front as indicated
in diagram

Set grades at SW & NE
corners

249.67	9.01	254.68	5th & Small
		252.25	6.43
		7.32	251.16
	4.94	260.48	3.14
Bm	5th & Maple	2.03	258.45



Sept 30th

Elevations of Gas Pipes.

	+	H.I	-	Pipe Elev	B.I
	0.090	33.64			33.
2+29			5.86	27.78	Sub H + G
2+51			5.18	28.46	Tapped on Top of main
	1.56	39.90			38.
2+03			8.19	31.71	G + F
	4.99	43.33			38.
0+25			8.91	34.42	F + F
	2.49	53.08			50.
1+53			8.87	44.21	E + D
	1.85	59.27			57.
2+11			7.44	51.83	D + C

Location of gas service pipes
bet F & E str on 18

Sta	+	HO	-	Ele
BM	4.57	42.99		38.34
0+25			8.57	34.40
0+77			7.94	34.97
2+52			8.60	34.91
H	9.61	51.18	1.34	41.57
BM			6.48	44.70
BM	1.12	45.81		44.69
1+48.5			9.56	36.25
BM			7.47	36.34

gas pipe

gas pipe

gas pipe (?) or water

2" gas pipe
6 1/2" to street

depth of trench 3.2'
Cen. back 5 1/2' W of St Center

Image 3.6"
Yokes 4' apart
Depth Conduit 2.23'
Bottom of yoke 2.78'

top of ditch 4.4
bot " " 1.6

Level grades in Logans Hole 16
St to S 21st St

Level at N# cor S 21st & Logans
28.5' at W cor 28.5'
at a point 300' North 12.0 on N

27

11.0 on S. at a point 480 on
N 11.0 at SW cor on S mile

9.0
at SE cor 160th & N 11.0
SW cor of N street

Sta	+	H.D	Grade	Avd
89m	2.20	16.55		3.60
	2.11	15.06		14.3
0			11.0	4.66
+50			10.16	9.0
1			10.91	7.15
+50			11.18	3.84
2			11.45	3.61
+50			11.62	3.44
3+0			12.0	3.06
0			10.46	4.60 ✓
+60			10.72	4.34 ✓
1+10			10.93	4.13 ✓
+60			11.15	3.91 ✓
2+10			11.36	3.70 ✓
+60			11.57	3.49 ✓
3+10			11.75	3.21
+60			12.0	

Grades on Longon Ave

Sta	+	H.S	Grade	Roll	
Sta		13.06			
0.1			9.00	6.00	✓
+30			9.33	5.73	✓
1			9.66	5.40	
+30			10.00	5.06	✓
2			10.33	4.73	0.1 high
+50			10.66	4.40	0.4 high
+20			11.0	4.06	1.2 high
+30			13.92	1.14	0.6 high
#	17.43	28.49		0.0	10.06
4+0			16.83	19.66	✓
+30			15.75	6.74	✓
5			22.66	3.83	✓
+30			25.58	0.91	✓
#	9.37	35.73	0.50	0.91	25.58
6+0			28.50	6.64	
8m			33.6	31.75	

3.30

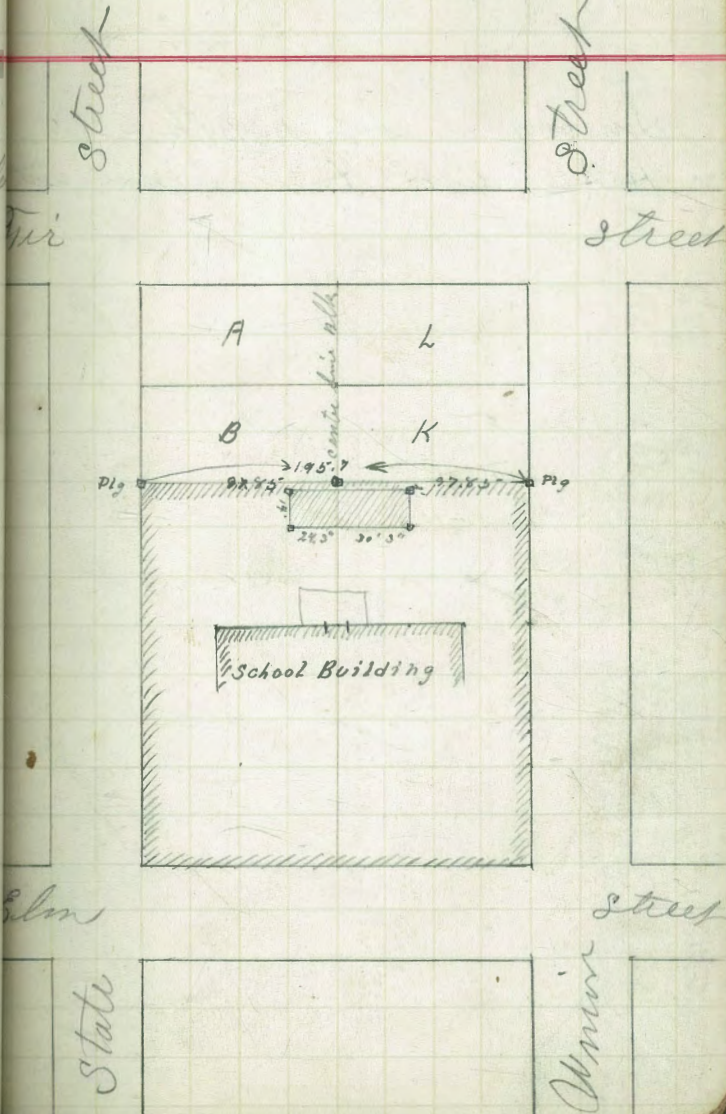
Long on, 2 list

Survey for location of Out-houses
at M^{rs} J. School-house

Hambro's Trust
Arthur
William
Hensley

29

Set back line of out-houses &
south of North line of school

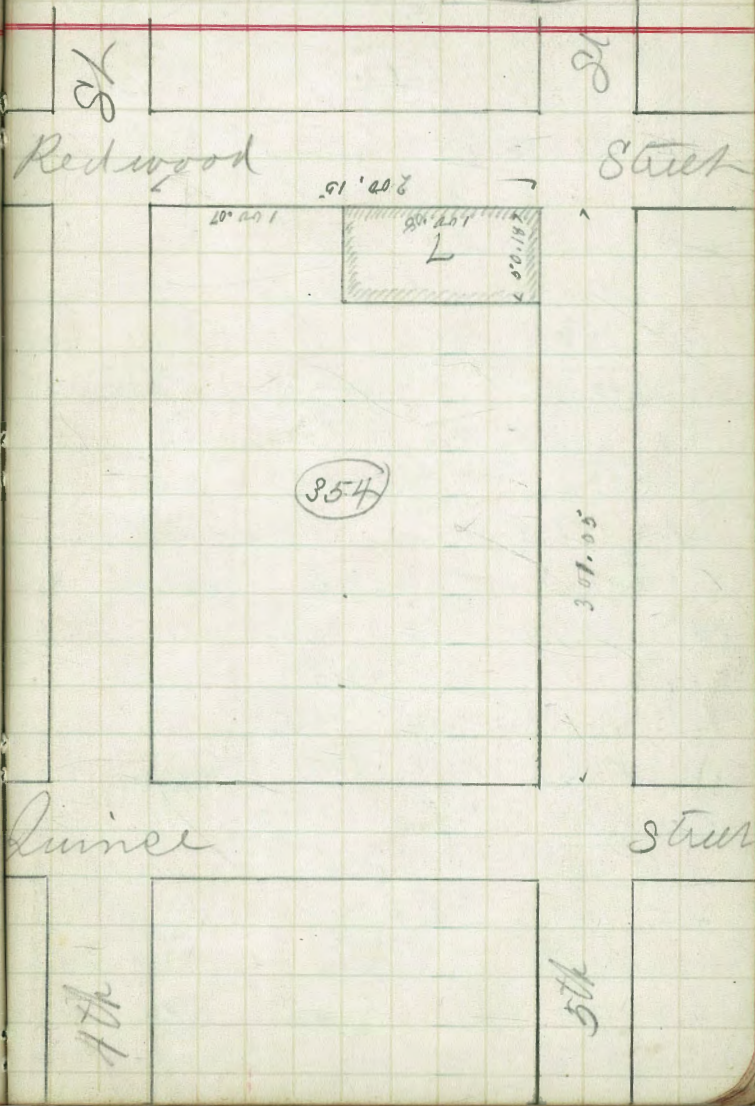


Oct 15 1889

Hornblin
Arton
William's
Hensley

30

Survey of Lot L Blk 354
H.A.C. for H. Fishman.



Trans Section of 3rd Street

Oct 15 1883

Hambin Brook
Center Level **31**
Williams
Pensly

North of Olive Center B

W
Rod Elev Rod Elev Rod Elev Stu + HJ - Elev

(268.0)

4.62 268.00 265.38

6.7 261.9 5.0 263.8 4.4 263.9 +0 S Line Olive Street

6.1 261.9 4.5 263.5 4.1 263.9 +40 Olive St

6.0 262.0 4.8 263.8 3.8 264.0 0 N Line Olive Street

7.6 260.4 5.4 262.6 4.2 263.9 +50

9.8 258.2 +59

(247.5)

(268.0)

0.53 267.25 11.28 256.72

11.0 236.5 9.4 258.2 3.0 265.1 +0

(237.2)

(257.3)

(268.0)

2.16 247.47 11.94 245.31

10.4 226.8 8.8 249.0 1.6 266.1 +50

(237.2)

(257.3)

(268.0)

1.34 237.19 11.62 235.85

8.3 228.9 3.7 253.6 5.1 262.2 +0

(247.5)

(268.0)

2.4 245.1 11.1 256.4 +30

(226.1)

(237.2)

(247.5)

0.87 226.13 11.93, 225.26

8.9 217.2 8.3 228.9 2.9 244.1 +50

(203.0)

(214.5)

(226.1)

0.18 214.50 11.81, 214.32

4.5 194.5 6.7 207.9 3.2 220.3 +0 S Line Palm Street

(192.1)

(203.0)

(214.5)

0.35 202.96 11.89, 202.61

4.8 187.3 7.8 195.2 4.1 210.5 +40 Palm Street

1.05 192.11 11.90, 191.06

Cross Section of 3rd Street Oct 15 1883

N of Calive

West		East		Elev	
Rod	Elev	Rod	Elev	+	-

(181.3)	(192.1)	(203.0)			192.11
8.7 172.6	5.6 186.5	7.5 195.0			N line Palm Street
12.8 168.5					+15

(181.3)	(181.3)	(192.1)			
4.5 176.4	6.9 174.4	7.2 184.5			
	10.7 170.6				

(203.7)	(192.1)	(192.1)			
10.1 193.6	11.1 181.0	12.6 179.1			
		9.0 183.1			

(214.6)	(203.7)	(203.7)			
4.0 210.6	1.0 202.7	12.6 190.5			
(237.0)	(225.9)	(203.7)			

2.7 234.3	10.3 215.6	1.9 201.8			
(264.8)	(237.0)	(214.6)			
8.5 256.3	6.9 230.1	5.5 209.2			

(264.8)	(254.4)	(225.9)			
5.8 259.5	11.7 242.7	5.4 220.5			
(264.8)	(254.4)	(237.0)			

2.4 262.0	5.5 248.9	12.7 224.5			

N line Palm Street
+15
#0.91 181.31 11.71 180.40
11.10 192.12 0.29 181.02
11.56 203.65 0.03 192.09
11.08 214.57 0.16 203.49
11.50 225.95 0.12 214.45
11.51 236.96 0.50 225.45
6.50 242.69 0.77 236.19
Junee Street.

West		Center		East							
Rod	Elev	Rod	Elev	Rod	Elev	Sta	+	H O	- Elev		
			(279.6)					279.58			
4.8	274.8	5.5	274.1	11.2	268.4	140					
4.2	275.4	4.5	275.1	9.0	270.6	+50					
3.7	275.9	3.9	275.7	7.0	272.6	+0					
3.2	276.4	2.8	276.8	5.0	274.6	+50					
2.5	277.1	2.1	277.5	3.1	276.8	+0					
2.2	277.4	1.8	277.8	1.8	277.1	+40			Spruce Street.		
1.7	277.9	1.3	278.3	0.9	278.0	0					
			(285.6)				BM #	7.54	285.56	1.54	<u>279.98</u> 278.100
7.2	278.4	6.7	278.9	6.3	279.3	+50					
6.6	278.8	6.1	279.5	5.8	279.4	+0					
6.2	279.4	5.7	279.9	5.4	280.2	+50					
5.7	279.9	5.4	280.2	4.9	280.7	+0					
5.1	280.5	4.9	280.7	4.6	281.0	+50					
4.1	281.5	4.5	281.1	4.8	280.8	+0					
4.5	281.1	4.0	281.6	3.9	281.7	+40			Thorn St		
4.5	281.1	4.0	281.6	3.5	282.1	0	BM		4.04	281.56	
4.0	281.6	3.5	282.1	3.1	282.5	+50					
3.6	282.0	3.0	282.6	2.5	283.1	+0					
3.2	282.4	2.7	282.9	2.1	283.5	+50					

Lower Section of sul Sh

West		Center		East						
Rod	Elev	Rod	Elev	Rod	Elev	Sta	+	H ₀	-	Elev
			(289.5)							
6.7	282.8	6.0	283.5	5.4	284.1	+0		285.58		
6.8	283.2	5.2	284.3	5.0	284.1	50#	6.58	289.45	2.69	282.87
5.9	283.6	5.1	284.4	4.5	285.0	+0				
						B m			6.12	283.34
5.6	283.9	4.6	284.9	4.4	285.7	+40				W of ar Sh
5.3	284.2	4.6	284.9	4.2	285.3	0				
4.9	284.6	4.4	285.1	3.7	285.8	+48.6				N Line H ₀
5.0	284.5	4.3	285.2	3.7	285.8	+50				
4.6	284.9	3.9	285.6	3.6	285.9	+0				
4.3	285.2	3.8	285.7	3.4	286.1	+50				
4.3	285.2	3.6	285.9	3.3	286.2	+67.2				S Line of Ferry Street

Lower section of 2nd St

from Nutmeg North
Hamlin
Arter, William
Kensley

West		Center		East		Sta	+	H J	-	Elv
Road	Elv	Road	Elv	Road	Elv					
			(256.8)			B9m	4.56	256.81		252.23
12.0	244.8	9.0	247.8	4.6	252.2	3+0				
11.0	245.8	6.9	249.9	3.5	253.3	+40				Nutmeg St
9.9	246.9	6.0	250.8	2.5	254.3	0				
8.4	248.4	5.0	251.8	2.0	254.8	+50				
6.9	249.9	4.3	252.5	1.9	254.9	+0				
5.9	250.9	2.9	253.9	1.5	255.8	+50				
1.7	(245.6) 243.9	6.6	250.2	1.8	255.0	+0				
	(245.6)	(245.6)	(256.8)							
10.4	235.2	4.3	241.3	8.6	248.1	+50				
	(234.5)	(245.6)	(245.6)			#	0.33	245.64	11.50	245.31
4.3	230.2	6.7	238.9	2.1	243.3	3+0				South line Olive
		6.7	238.9	2.6	243.0	+0.6	B9m		2.18	243.46
	(234.5)					#	0.83	234.50	11.97	233.67
3.9	230.6					+15				
	(214.0)	(214.0)	(223.5)			#	0.62	223.49	11.63	222.87
3.6	210.4	7.1	206.9	2.5	221.1	+40				Olive St
	(191.8)	(203.4)	(223.5)			#	2.29	214.05	11.73	211.76
8.8	183.0	9.1	192.3	4.9	218.6	0				North line Olive St.
	(180.6)	(212.0)	(223.5)			#	0.21	211.97		211.76
4.5	176.1	12.0	200.0	4.4	219.1	+50				

Cross-section of 2nd St

Oct 16th 1889

Humbler
Arton
Williams
Harris

37

West		Cent		East		Sta	+	HO	-	Ele
Rod	Ele	Rod	Ele	Rod	Ele					
(180.6)		(191.8)		(209.4)						
9.3 17 1.3		8.0 183.8		5.5 197.8 +0				211.97		
(162.4)		(169.2)		(191.8)		#	3.38	203.41	11.94	200.03
7.8 154.6		1.6 167.6		10.9 180.9 +50	#	0.00	191.80	11.61	191.80	
		(162.4)			#	0.31	180.35	11.56	140.24	
		8.0 154.4			+88 #	0.39	169.33	11.61	168.94	
		(162.6)			+92 #	0.93	162.62	7.74	161.69	
(162.6)		10.1 152.5								
10.0 152.6		8.0 154.6		7.8 161.4						
(162.4)										
12.8 149.6		(162.6)								
10.5 151.9		7.2 153.4		(162.6)						
				5.0 157.4						
				7.8 154.8						
(172.8)		(172.8)				#	11.10	172.79	0.93	161.69
4.9 167.9		8.1 164.7		4.5 157.5						
(183.8)		(183.8)		(172.8)						
2.7 181.1		10.1 173.7		1.9 170.9		3+0	B On		1.71	179.08
(194.8)		(194.8)		(183.8)		#	11.49	183.78	0.52	172.27
10.0 184.6		10.1 184.7		3.8 180.5		+40	Palm St Cr			
(206.6)		(206.6)		(194.8)		#	11.12	194.82	0.06	183.70
5.2 201.4		8.0 198.6		3.7 191.0		#	11.99	206.59	0.22	194.60

cross section of 2nd St

West		Center		East		Sta	T	HO	-	Elev
Rod	Blv	Rod	Blv	Rod	Blv					
	(240.0)		(228.9)		(206.6)					206.59
12.5	227.5	8.6	220.3	4.0	202.6	+50				
	(257.1)		(240.0)		(228.9)		# 11.21		217.20	0.60, 205.99
1.4	249.7	1.6	238.4	3.3	223.6	+0	# 11.76		228.99	0.17, 217.03
			(262.7)				# 11.15		240.01	0.03, 228.86
		5.1	257.6		(262.7)	+37	# 11.62		251.06	0.57, 239.44
	(262.7)		(262.7)		3.5	254.1	# +26	11.80	262.71	0.15, 250.91
0.5	262.2	1.8	260.9	3.4	259.3	+50				
			(270.2)				# 7.74		270.17	0.32, 262.39
6.4	263.8	5.7	264.5	5.7	264.0	+0				
5.8	264.4	5.0	265.2	4.3	265.9	+50				
5.3	264.9	4.4	265.8	3.9	266.3	+0				
							B 9m			9.54, 266.63
5.1	265.1	4.2	266.0	3.5	266.7	+40	Quince St			9.54, 266.63
4.8	265.4	3.9	266.3	3.2	267.0	0				
8.0	262.2	3.6	266.6	2.6	267.0	+50				
11.7	258.5	7.5	262.7	2.9	267.1	+0				
12.0	258.2	9.1	261.1	4.1	266.1	+50				
11.3	258.9	8.2	262.0	5.4	264.8	+0				
10.6	259.6	7.8	262.4	6.0	264.1	+50				
8.9	261.3	5.9	264.3	4.1	266.1	+0				

Lower Section of 2nd St

West		Center		East		Sta	+	H C	-	Elev
Rod	Elev	Rod	Elev	Rod	Elev					
			(276.1)					270.17		
						B.M. # 9.78		276.12	3.53	266.34
14.0	262.1	12.2	263.9	9.8	266.3	+40	Redwood St			
12.3	263.4	11.0	265.1	8.8	267.3	0				
10.1	266.0	9.2	264.9	5.8	270.3	+50				
6.2	269.9	6.3	269.8	4.7	271.4	+0				
5.3	270.8	4.6	271.5	3.4	272.3	+50				
4.9	271.2	4.0	272.1	3.2	272.9	+0				
4.3	271.8	3.3	272.8	2.6	273.5	+50				
3.5	272.6	2.8	273.3	2.0	274.3	+0	B.M.		3.64	272.44
3.6	272.5	2.6	273.5	1.6	274.5	+40	Spruce St			
			(280.1)				# 6.91	280.12	2.91	273.21
7.2	272.9	6.2	273.9	5.2	274.9	0				
7.0	273.1	5.7	274.4	4.9	275.2	+50				
6.8	273.3	5.5	274.6	4.5	275.6	1				
6.5	273.6	5.2	274.9	4.2	275.9	+50				
6.3	273.8	5.1	275.0	3.8	276.3	+0				
6.1	274.0	4.6	275.5	3.5	276.6	+50				
6.0	274.1	4.4	275.7	3.2	276.8	+0	B.M.		6.00	274.12
6.0	274.1	3.8	276.3	3.0	277.1	+40	Thorn Street			
5.6	274.3	4.1	276.0	2.7	277.4	0				
5.9	274.2	3.8	276.3	2.2	277.9	+50				

Lower Section of 2nd Street

West		Leant		East		Sta	+	H ₂ O	-	Elev
Rod	Elev	Rod	Elev	Rod	Elev					
			(283.6)					280.12		
9.1	274.5	6.7	276.9	5.9	277.1	140	# 8.75	283.63	5.24	274.88
7.6	276.0	6.0	277.6	4.9	276.7	+30				
7.6	276.0	5.9	277.7	4.5	278.1	+0				
6.4	277.2	5.3	278.3	4.0	279.6	+30				
6.2	277.4	4.6	278.0	3.5	280.1	3 + 0	B 9m		6.25	276.38
6.0	277.6	4.7	278.9	3.2	280.7	+40	W/oa Street			
4.9	278.7	4.1	279.5	3.0	280.6	0				
4.6	279.0	3.5	280.1	2.5	281.1	+50				
6.1	277.5	4.0	279.6	2.7	280.9	+0				
5.2	277.4	4.1	279.5	3.7	279.9	+50				
5.7	277.9	3.8	279.8	3.0	280.6	+67	S line of Ferry Street			

2.25

Cross Section of Redwood Street

South		Center		North							
Rod	Blv	Rod	Blv	Rod	Blv	Sta	+	HO	-	Blv	
			(269.3)			0m		2.92		269.28	266.56
3.9	266.0	2.8	266.5	1.9	267.0					East line end	
5.9	263.4	5.2	264.1	4.1	265.0	+40				End Street	
8.0	261.3	7.1	262.2	5.5	263.8	+0					
10.9	258.4	9.2	260.1	6.9	262.4	+50					
		(258.5)		(269.3)		#	0.75		258.47	11.56	257.72
4.4	254.1	2.1	256.4	19.8	159.5	+0					
8.6	249.9	6.9	251.6	5.4	253.1	+50					
12.4	246.1	11.5	247.0	10.8	247.7	0					
		(246.9)				0m#	0.14		246.90	11.71	246.76
3.5	243.4	3.9	243.0	3.6	243.3	+40				Trunk Street	
5.7	241.2	8.4	238.5	8.1	238.8	+0	#	0.04	235.24	11.70	235.20
	(246.9)	(224.5)		(224.5)		#	1.04		224.52	11.76	223.44
10.1	236.4	6.1	214.4	6.3	214.1	+50					
	(224.5)	(214.0)		(202.6)		#	1.20		213.96	11.76	212.76
5.3	219.2	9.8	204.2	5.4	197.2	+0					
				(191.3)		#	0.17		202.58	11.55	202.41
				6.2	185.0	+73					
	(214.0)	(191.3)		(191.3)		#	0.35		191.27	11.76	190.82
10.9	203.1	3.4	187.9	3.2	188.0	+50					

65
25
0
3
2
3
8

11.25

Lower Section of Redwood St

South		Center		North		Sta	+	H ₀	-	Elev
Rod	Elev	Rod	Elev	Rod	Elev					
					(146.8)					146.80
(146.8)		(146.8)		11.8	135.0	1+62				
8.0	138.0	3.5	143.3	8.5	(157.7)	1+0				
(157.7)		(157.7)		(169.3)		#	11.20	157.66	0.34	146.46
9.9	147.8	1.4	156.3	6.7	162.6	0+50				
(169.3)		(180.4)		(192.0)		#	11.76	169.27	0.15	157.51
7.8	161.5	8.5	171.9	8.0	184.0	0				
(169.3)		(180.4)		(202.5)		#	11.65	180.44	0.48	168.79
10.2	159.1	5.0	175.4	8.3	194.2	2+40	Brant Street			
(180.4)		(180.4)		(202.5)		#	11.57	191.99	0.02	190.42
12.2	168.2	3.6	176.8	3.8	199.7	2+0	Bm			3.77
(192.0)		(202.5)		(214.0)		#	10.63	202.46	0.16	191.83
6.6	185.4	5.0	197.5	6.4	207.6	1750				2.99, 199.47
(214.0)		(225.6)		(232.9)		#	11.95	214.01	0.40	202.06
10.3	203.7	3.3	222.3	2.1	230.0	1+0				
		(232.9)				#	11.83	225.61	0.23	213.78
7.0	225.9	4.9	228.0	5.6	226.3	0+50				
		(221.9)				#	7.95	232.90	0.66	224.95
10.3	211.6	8.3	213.6	5.2	216.0		East of Lewis Street			
						#	0.58	221.93	11.55	221.35
						Bm				9.96 211.97

25
75
150
225

5
75
150

21.25

40

Cross Section of Redwood St

South Center North

Rod	Elev	Rod	Elev	Rod	Elev	Sta	+	HO	-	Elev
-----	------	-----	------	-----	------	-----	---	----	---	------

(211.0)

221.93

0.73 210.99 11.62, 210.26

6.4 204.6 11.4 199.6 13.4 197.6 + 40 Center Street

#

11.38 199.62

75
70
73
78
75
70
73
78

21.23

40

35
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75
50
30

7.23-

do

28.5
 11.0
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 15 00
 25 00
 40 00
 100 00

11.0
 29.15
 13.915 + 50 ✓
 29.15
 14.830 4.50 ✓
 29.15
 19.245 - 50 ✓
 29.15
 22.660 - 5.00 ✓
 29.15
 25.575 - 3.20 ✓
 29.15
 28.490 6.20 ✓

22.49
 25.75
 0.74

11.585
 50
 29.150

6) 17.5 (23
 12
 39
 1
 28.5
 120
 6) 16.5 (2.75
 12
 45
 42
 300
 300

120 ✓ 0+0
 275 ✓ 8+50
 14.55
 275 ✓
 17.50 - 4.20 ✓
 275 ✓
 20.25 + 50 ✓
 275 ✓
 23.00 - 3.20 ✓
 275 ✓
 25.25 + 50 ✓
 275 ✓
 28.50

300 / 1.54

40
 28
 1.2

11
 90
 300 / 2.20 .00 r6
 100 00
 200
 21.49
 23
 5.49
 .0066
 50
 .33 00

99.33
 9.55 + 50
 33
 9.66 - 1
 33
 10.00 + 50
 33
 10.33 - 2
 33
 10.66 + 50
 33
 11.00

21
 20.25
 22.50
 17.50
 5.00
 21.99
 17.50
 8.99
 26.49
 20.25
 6.24

35
 25
 10
 23
 18
 25
 10

17.25

H. 10.54

~~10.46
 235
 10.718 + 50 ✓
 215
 10.533 - 1 ✓
 215
 11.148 + 50 ✓
 215
 11.363 + 2 ✓
 215
 11.574 + 50 ✓
 215
 11.793 - 3 ✓~~

11.79
 215
 12.005

10.46 1
 30
 10.76 - 55
 25

~~10.81 - 1 ✓
 25~~

~~11.18 + 50 ✓
 25~~

~~11.46 - 2 ✓
 25~~

~~11.68 + 50 ✓
 25~~

~~11.99 + 3 ✓~~

310) 1.540
 1.530
 10

.005
 60
 .330

11.54

~~20
 11~~

10.54

24

10.78 - 30

20

10.98 - 1

20

11.18 + 30

20

11.38 - 2

20

11.58 + 70

20

11.78 - 3

0.043

2150

.0043
 60
 .2580

119
 60
 6.240

120
 10.54
 360) 1.460 (40
 1440
 200

.004
 60
 .240

110
 10.54
 10.46

120
 10.46
 360) 1.540 (43
 1440
 1000
 80

35
 75
 150
 23
 75
 13
 8
 5
 75
 15
 10
 7
 25

Sta	T	HO	-	Ele
B ₂	5.80	6.60		0.80
5+50			7.2	-0.5
			7.5	-0.8
6+0			3.9	+2.8
			3.6	+0.1

Angle on 6th & C 90° 1'
 " " 4th & C 90° 0'

$$\begin{array}{r} 35.97 \\ 25 \\ \hline 38.22 \end{array}$$

$$\begin{array}{r} 44.5 \\ 420 \\ \hline 2.0 \\ 416 \end{array}$$

$$\begin{array}{r} 40.2 \\ 46.5 \\ 42.1 \\ \hline 48.5 \\ 44 \\ \hline 4.49 \end{array}$$

$$\begin{array}{r} 44.50 \\ 41.6 \\ \hline 44.044 \\ 416 \\ \hline 43.688 \end{array}$$

$$\begin{array}{r} 44.07 \\ 45.66 \\ \hline 41.91 \end{array}$$

10

12

18

23

$$\begin{array}{r} 35.967 \\ 31.467 \\ \hline 272.434 \\ 36.217 \end{array}$$

1+93 +8

1+97, 12.8

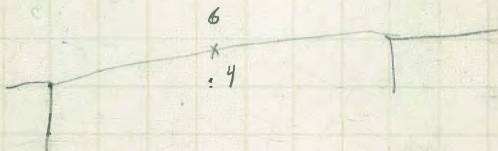
2+0 10.5

10' in to intersection of P. de m

23' in to curb side to P. de m

$$\begin{array}{r} 5.99 \\ 49.27 \\ \hline 53.26 \\ 47.80 \\ \hline 5.46 \end{array}$$

West 1+93, 10.0
 + 97, 12.8
 2+0 10.5



4.25

77

35.50
2.25
36.22

5.25

Return to City Engin
City Hall, San D

254.75
252.25
6.50
2) 3.25
255.50
255.50
3825
35.407

20807
206.75
1.32
212.36
205.50
6.86

30417
4.99
54.40
50.417
4.98

3.25
252.19
253.95
0.75
258.75
53.845
44.657
5.224

50.645
3.25
53.895
51.224
5.671

265.48
202.05
263.45
260.48
262.13
256.45

2.14
256.64
3.14
256.54
4.94
260.44

196.7
3.75
195.7
97.85
to City Engineers Office
Rail, San Diego, Cal.

40.75
84.75
335.50
8.83

8.034

19.917
8.302

84.75
1.83
86.58

50
6.82
5.67
1.25

192.0
6.0
184.0

199.25
6.75
199.875

175.4

625
1.250

221.25
216.75
214.50
7.25

199.25
125
200.50 + 50
125
201.75 - 1
125
203.00 + 50
125
204.25 - 2
125
205.50 + 50
125

206.75
7.25
214.00
7.25

206.55 + 211

221.25

192.
166
5.9

140.07

7.25

77

Return to City Engineers Office
City Hall, San Diego, Cal.

254.75
252.25
2) 6.50
2) 3.25

60
9.23
179.17

227.01
221.2
5.76

26.4
21.84
4.56

35.50
34.22
1.28

157.7
16.9
7.4

10.0
7.50
2.50

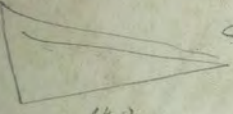
9.7
9.7
1.0

159.0
17.0
142.0

499
425
74

190.7 3.75 - 2/1937
Return to City Engineers Office
City Hall, San Diego, Cal.

5
75
4
28
80
18
52



725
1.96

5.6
44.5
24.9
16.9
7.4

5.62
1.25
1.73

18.917
8.302

40
50
9.23
3.75
5.48900

206.17
7.21
214.809

6.87
3.12
1.25
5.67
1.25
4.42

3.75
1.73
4.42
3.675

90.95
84.75
3/5.50
1.83

547.5
163
867.8

6.82
5.67
1.23

9.23
3.75
5.48900
16.00
23.00
25.62

88.2
5.67
6

6.87
3.12
1.25

5.67
1.25
4.42
3.675