Filled

City Surveys
and
Street Grades.

3rd St
5th St

9

TRANSIT.

1887

M. G. Wheeler

F.B. 66

filled.

66

ERSE TABLE FOR TRANSIT BOOK,

From 1° to 90° for a distance of 100.

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

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1 31	89
1	99.98	1.75	99 98	2.18	99.97	2.62	99.9	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	9 .54	9.58	99 50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12 19	99.20	12.62	99.14	13 05	99.09	13 49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98 63	16.50	98 56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19 94	97.90	20.36	78
12	97.84	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.31	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95 88	28.40	95.76	28.82	73
17	95.63	29 24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30 90	94.97	31.32	94 83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94 26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37 86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91 18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90 26	43 05	90.07	43 44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49 24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83 15	55.56	56
34	82.90	55.92	82 66	56.28	82.41	56 64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80 39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78 26	62 25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73 73	67.56	73 43	67 88	47
43	73 14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		

Published by Edward Denny & Co., Stationers, Drawing Materials, Mathematical Instruments, Etc., San Francisco.

MICROFILMED DEC 3 1964

T. 66.

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

Degrees.	DEG Lat.
0	
1	99.98
2	99.94
3	99.86
4	99.76
5	99.62
6	99.45
7	99.25
8	99.03
9	98.77
10	98.48
11	98.16
12	97.81
13	97.44
14	97.03
15	96.59
16	96.13
17	95.63
18	95.11
19	94.55
20	93.97
21	93.36
22	92.72
23	92.05
24	91.35
25	90.63
26	89.88
27	89.10
28	88.29
29	87.46
30	86.60
31	85.72
32	84.80
33	83.87
34	82.90
35	81.92
36	80.90
37	79.86
38	78.80
39	77.71
40	76.60
41	75.47
42	74.31
43	73.14
44	71.93
45	70.71
Degrees.	Dep. DE

MICROFILMED

Publishe

Curbs level add 0.5 to upper curb
" diff 0.5 " 0.3 "
" 1.0 " 0.0 "
" 1.5 Sub 0.2 from
" 2.0 " 0.5 "
" 2.5 " 1.0 "
" 3.0 " 1.5 "

5th St. grades.

Ivy to Upas.

Sta	+	⊼	−	Elev.	grade	
B.M.				206.24		Bot. step brk. Haw. & Ivy.
	10.49	216.73				
			2.90	213.83		
	11.69	225.52				
SW Ivy			7.68	217.84	212.5	5.3
NW "			6.04	219.48	~~213.5~~ 215.5	4.0
SE "			7.15	218.37	~~212.5~~ 213.5	5.9
NE			4.17	221.35	~~214.~~ 216.5	4.8
1 E			0.82	224.70	220.3	4.4
1 W			3.13	222.39	219.7	2.7
	11.50	235.86	1.16	224.36		
2 W			6.73	229.13	225.8	3.3
2 E			7.75	228.11	226.6	1.5
SJ E			5.04	230.82	~~233.~~ 232.	−2.2
SJ W			3.87	231.99	~~232~~ 231.	0
NJ W			4.95	230.91	232.5	−1.6
NJ E			1.44	234.42	233.5	.9
1 W			5.08	230.78	233.5	−2.7
	11.59	246.17	1.28	234.58		
1 E			9.86	236.31	234.5	1.8
1+50 E			7.98	238.19	235.	3.2

5th St grades

Ivy to Upas

Sta	+	⊼	−	Elev	grade	
		246.17				
1+50 W			13.90	232.27	234.	−1.7
2 W			12.02	234.15	236.5	−2.4
2 E			5.33	240.84	237.5	3.3
SE Kalmia			3.51	242.66	242.5	0.1
SW "			7.87	238.30	241.5	−3.2
NW "			2.87	243.30	242.5	0.8
BM			2.25	243.92		243.96
NE 1	8.05	253.61	0.61	245.56	243.5	2.0
1 E			5.80	247.81	246.	1.8
1 W			8.83	244.78	245.	−0.2
2 W			7.87	245.74	247.5	−1.8
2 E			4.15	249.46	248.5	1.0
SE Laurel			3.43	250.18	251	−0.8
SW "			5.15	248.46	250.	−1.5
BM			4.53	249.08		249.12
NW "			3.01	250.64	251.	−0.4
NE	9.60	262.68	0.57	253.08	252.	1.1
1 E			6.38	256.30	254.3	2.0
1 W			9.77	252.91	253.3	−0.4
2 W			7.78	254.90	255.7	−0.8

5th St. grades

Ivy to Upas

Sta	+	⊼	−	Elev	grade			
		262.68						
2 E			4.63	258.05	256.7	1.3		
SE Maple			2.70	259.98	259.	1.0		
SW "			6.60	256.08	258.0	−2.9		
NW "			5.51	257.17	258	−0.8		
NE			2.78	259.90	259.	0.9		
1 E			1.76	260.92	260.5	0.4		
1 W			4.46	258.22	259.6	−1.4		
	9.18	269.36	−2.50	260.18				
2 E			7.85	261.51	262.0	−0.5		
2 W			9.73	259.63	261.3	−1.7		
SE Nutmeg			6.13	263.23	263.5	−0.3		
SW "			7.06	262.30	263.	−0.7		
NW "			5.20	264.16	264.5 ~~263.5~~	−0.6	(this was +)	264.7
NE "			1.07	268.29	265.5 ~~264.5~~	3.8		265.7
	9.34	277.17	−1.53	267.83				
			4.39	272.78		272.75	+1.8	
NE Nutmeg	6.54	274.81		268.27				
1 E			4.95	269.86	267.9	1.9		68.2
1 W			8.58	266.23	266.9	−0.7		67.2
150 W			7.75	267.06	268.5	−1.4		68.5

5th St grades

Ivy to Upas

Sta	+	H	−	Elev	grade	
		274.81				
150 E			4.14	270.67	269.5	1.1
1 E			3.54	271.27	270.	1.3
2 W			6.27	268.54	269.	0.6
SW Palm			3.68	271.13	270	1.1
SE "			2.24	272.57	271.	1.6
NE "			1.21	273.60	271.5	2.1
NW "			5.10	269.71	270.5	0.8
1 W			3,68	271.13	272.2	−1.1
	9.80	280.94	−3.67	271.14		
1 E			6.27	274.67	273.	1.7
2 E			3.82	275.12	274.5	0.6
2 W			3.83	275.11	273.8	1.3
SW Palm			4.85	276.09	275.5	0.6
SE "			4.49	276.45	276	0.4
NE "			3.85	277.09	277.	0.1
NW "			4.27	276.67	276.5	0.2
1 W			3.41	277.53	277.3	0.2
1 E			2.96	277.98	277.8	0.2
2 E			2.04	278.90	278.6	0.3
2 W			2.63	278.31	278.1	0.2

695

5th St grades

	+	℄	−	Elev	grade	
		280.94				
SW	Pine		1.74	279.20	279.	0.2
SE	Pine		1.32	279.62	279.5	0.1
	6.08	285.70		279.55		
			5.06	280.64		
NE	Pine		5.35	280.35	279.5	C 0.8
NW	"		6.34	279.36	279.	C 0.3
1 W			5.71	279.99	279.5	C 0.4
1 E			4.77	280.93	280.1	C 0.8
2 E			3.78	281.92	280.8	C 1.1
2 W			5.31	280.39	280.	C 0.4
SW	Redwood		5.00	280.70	280.5	C 0.2
SE	"		3.52	282.18	281.5	C 0.7
NE	"		3.38	282.32	282.	C 0.3
NW	"		4.61	281.09	281	C 0.1
1 W			4.21	281.49	280.8	C 0.7
1 E			2.97	282.73	281.8	C 0.9
2 E			2.73	282.97	281.7	C 1.2
2 W			4.97	280.73	280.7	0.0
SW	Spruce		4.78	280.92	280.5	C 0.4
SE	"		2.65	283.05	281.5	C 1.5

5th St grades

	+	π	−	Elev	grade		
		285.70					
BM			2.42	283.28		plug at SE Cor	
	3.88	287.16					
NE Cor Spruce			4.47	282.69	281.5		C 1.2
NW "			6.64	280.52	280.5		00
1 W			8.48	278.68	280.✓		F 1.3
1 E			4.63	282.53	280.[illegible]		C 2.5
2 E			6.23	280.93	280.5		C 0.4
2 W			8.71	278.45	279.5		F 1.1
SW Thorn			7.77	279.39	279.✓		C 0.4
SE			6.43	280.73	280		C 0.7
NE			4.01	283.15	281		C 2.1
NW			6.05	281.11	280.		C 1.1
BM			6.36	280.80		280.78	
1 W			3.68	283.48	282.		C 1.5
1 E			4.62	282.54	283.		F 0.5
2 E			3.06	284.10	285.		F 0.9
2 W			1.99	285.17	284		C 1.2
SW Myrtle			2.90	284.26	286.		F 1.7
NW "			2.78	284.38	286.5		F 2.1
	7.06	291.44					

These look wrong

7 5th St grades

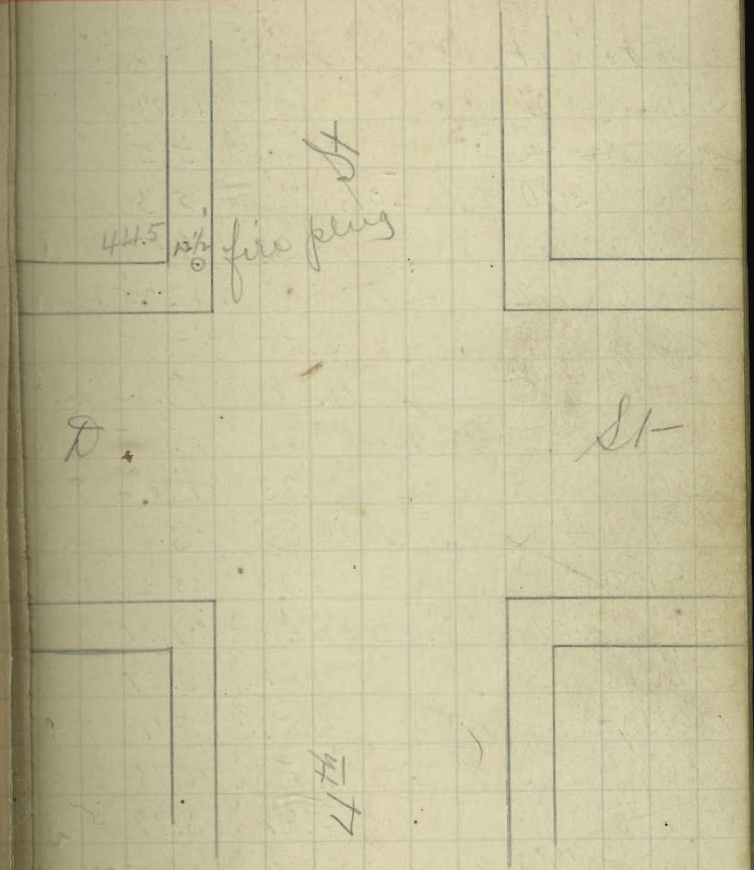
	+	⊼	−	Elev	Grade	
		291.44				
		41.	2.93	288.51		288.48
NE Cor. Upras			3.42	287.99	287.5	C 0.5
SE " "			3.48	287.93	287.	C 0.9

S. D. & C. Water Co.

1-18-87

Location of fire plug at N.W. cor 4th & D Sts

Sta	+	I	-	El	Grd
S.M. 4th D.	2.58	48.48		45.90	
			3.98		44.5



8. 9. S.D. & C. Water Co E. T. W. 6 1-29-86

S. Grades on A St from 9th to 12th

	Sta	+	⊼	−	El	Gra	
Loc	600' at sea level						
at	B.M	0.07	86.1		86.03		
	~~E. Side 9th~~				~~85.5~~		
Sta	B.M	3.90	109.20		105.30		12 + A
B.M.	W S 12th		6.77	4.33	104.87	106.[illegible]	−1.9 +2.1
	Junc. of A & 12		10.243 6.35		102.85	102.[illegible]	[illegible]
	X			13.55	95.65		
	12th + 100			11.88	97.32	96.85	+0.47
	X	0.25	95.90		95.65	87.0	
	E.S. 11th			6.33	89.32	87.00	+2.32
	W S 11	1.30	84.37	12.83	83.07	82.00	+1.1
	11th + 100			6.10	78.27	79.75	−1.48
	X	2.89	74.68	12.58	71.79		
	B M			4.61	70.07		10 + A
	E.S. 10			4.57	70.11	73.5	−3.39
	E. end of trestle			4.5	70.18	73.5	−3.28
	W S 10th			5.89	68.79	73.5	~~5.29~~ −4.71
	10th + 100	10.63	80.68	4.63	70.05	75.25	5.20
	E.S. 9th	8.61	85.97	3.32	77.36	85.5	8.14
	B.M			−.01	85.96		

S. D. & C. Water Co
Levels to Russ School

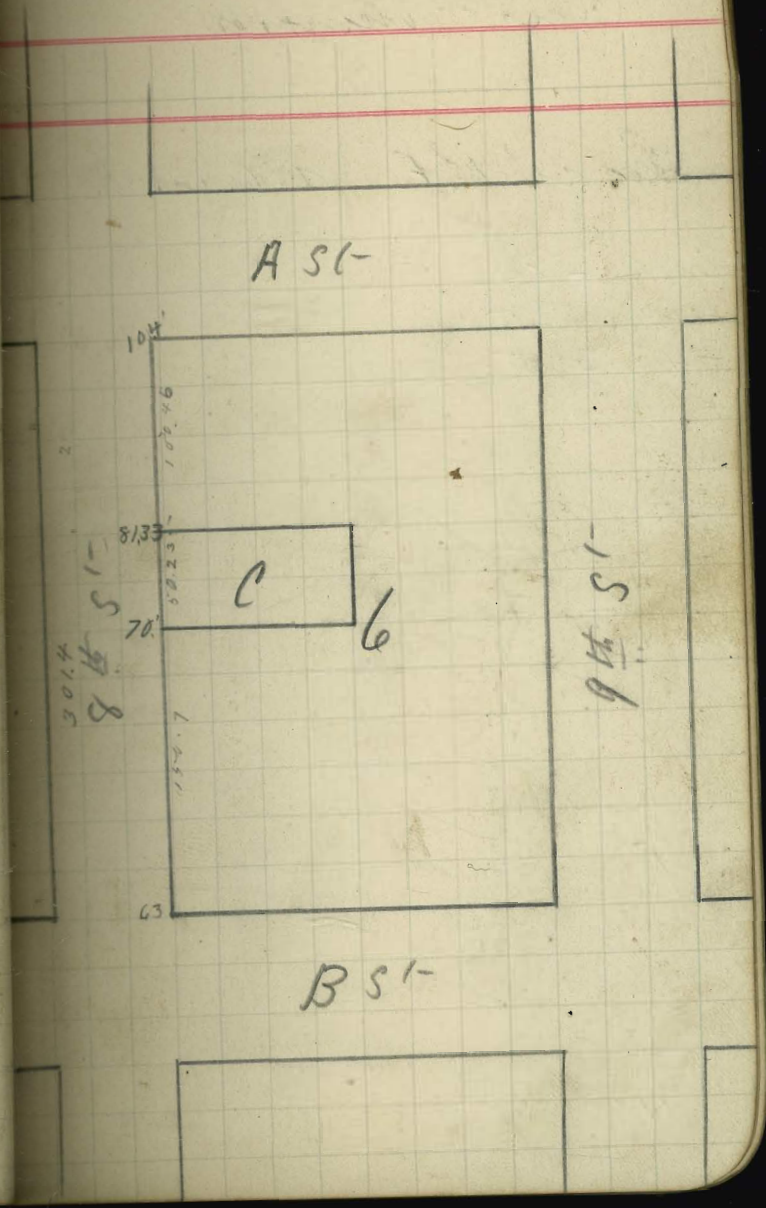
E. T. W. 1-29-86

Lo	B M	12.79	151.29		138.50	14 + 0
at	S. & Co	School		.29	151.0	marked with keel

Theo Lehmann

Lot C Blk 6 Hartons Add

Sta	+	G	−	El	
BM 8th B	10,71	72,37		61,66	
SW			7,20	65,17	7,71 4,83
X	7,25	78,72	0,90	71,47	
NW			2,51	76,21	Fill 5,12
X	1,96	71,69	8,99	69,73	
BM 9th B			6,28	65,41	



Old Town from Bridge 2-5-87 W.S.A.

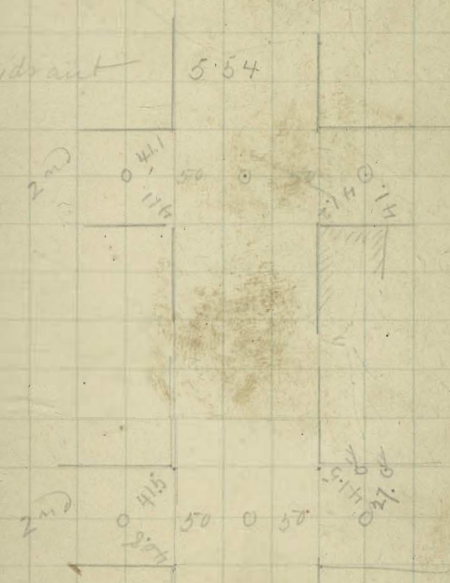
Embkt at N end.

EofB	- 8.0
+20	- 7.5
+40	- 6.5
+60	- 5.0
+80	- 4.0
+100	- 3.0
1+20	- 1.5
2	- 1.5

3d St Grades -

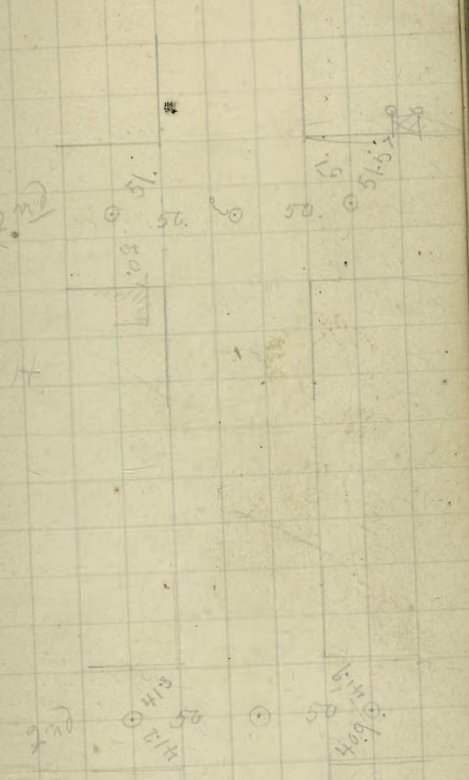
Sta	+	d	−	El	Gr
	1.77	5.26		3.49	
SKW			7.79	−2.53	0.5
SKE			4.97	.29	0.5
NKW			8.92	−3.66	0.5
NKE			6.07	−.81	0.5
1 W	6.95	6.34	−5.87 6.84	−.61 −.50	0.8
1 E			6.15	0.19	0.8
2 W			5.55	0.79	1.2
2 E			5.22	1.12	1.2
SJW			4.18	2.16	1.5
SJE			4.39	1.95	1.5
NJW			3.33	3.01	2.0
NJE			3.39	2.95	2.0
1 W			3.30	3.04	3.5
1 E			2.90	3.44	3.5
2 W			1.90	4.44	5.0
2 E			1.0	5.34	5.0
SIW	7.82	12.50	−1.66 6.44	4.68 6.06	6.5
SIE			5.36	7.14	6.5
NIW			4.62	7.88	7.0
NIE			4.70	7.80	7.5

F 2.0
F 0.2
F 4.1
F 1.3
F 1.3
F 0.6
F 0.4
0.0
5.54 C 0.6
0.80 BM on Hydrant
C 0.4
C 1.0
C 0.9
F 0.5
0.0
F 0.6
C 0.3
F 0.5
C 0.6
C 0.9
C 0.3



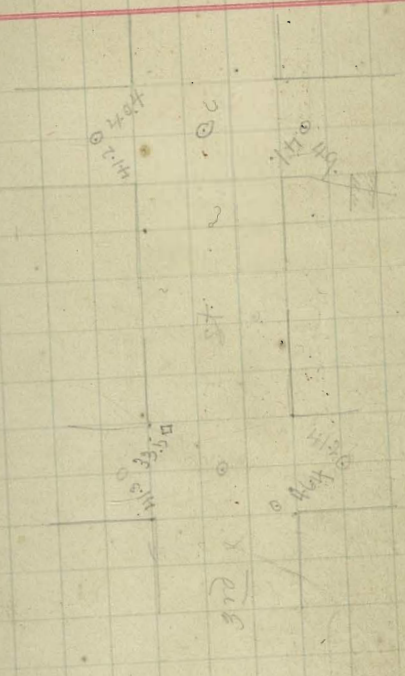
3rd St Grades

Sta	+	d	−	El	Grd	
		12.50				
1 W			4.72	7.78	8.2	F 0.4
1 E			3.94	8.56	8.8	F 0.3
2 W			3.67	8.83	9.3	F 0.5
2 E			2.30	10.20	10.2	0.0
S/T W			2.57	9.93	10.5	F 0.6
S & W	6.84	18.88	−0.46	12.04	11.5	C 0.5
N W			6.75	12.13	11.5	C 0.6
N E			5.35	13.53	12.5	C 1.0
			5.42 5.07	13.81	13.5	C 0.3
			4.74	14.14	14.5	±0.0
3 W			3.92	14.96	15.5	F 0.5
3 E			2.80	16.08	16.5	F 0.4
S W			1.41	17.47	17.5	F 0.0
S E	9.66	27.11	8.53 .43	18.45 18.58	18.5	±0.0
N W			5.70	21.41	19.5	C 2.9
N E			7.02	20.09	19.5	C 0.6
4 W			6.82	20.29	20.2	C 0.1
4 E			4.69	22.42	21.2	C 1.2
5 W			5.29	21.82	21.8	±0.0
5 E			3.34	23.77	22.8	C 1.0



3d St Grades

Sta	+	I	−	El	Gr	
		27.11				
SW F			3.54	23.57	23.5	0.0
SE F			2.30	24.81	24.5	C 0.3
NW F	7.25	34.31	−0.01	27.10	24.5	27.06 C 2.6
NE F			7.27 7.78	26.53	25.5	C 1.0
1 W			7.30	27.01	26.8	C 0.2
1 E			5.69	28.62	27.8	C 0.8
2 W			5.20	29.11	29.2	F 0.1
2 E			3.65	30.66	30.2	C 0.4
SW E			2.59	31.72	31.5	C 0.2
SE E			1.38	32.93	32.5	C 0.4
NW E	9.72	43.14	−0.89 10.52	33.42 32.62	32.5	C 0.1
NE E		.12	8.63	34.51	33.5	C 1.0
1 W			7.23	35.91	35.0	C 0.9
1 E			6.73	36.41	36.7	F 0.3
455 E			4.10	39.0	37.5	385 C 1.5 C 0.5 Out side of walk
2 W			4.95	38.19	37.4	C 0.7
2 E			5.0	38.14	38.3	F 0.2
SW D			3.60	39.5	39.5	± 0.0
SE D			3.00	40.14	40.0	0.0
NW D			1.85	41.27	41.5	F 0.2
NE D			0.85	42.27	42.5	F 0.2
	4.71	46.76	−1.07	42.05		

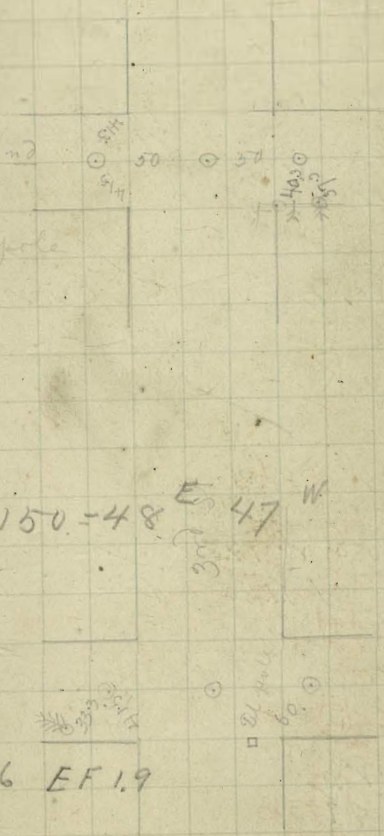


E St 155' N + E = 385

3d St Grades

Sta	+	D	−	El	Gr
		46.76			
1 W			4.43	42.33	41.6
1 E			3.00	43.76	42.7
2 W			4.21	42.55	41.8
2 E			3.31	43.45	42.9
SWC			4.96	41.80	42.0
SEC			4.17	42.59	42.0
NWC			4.90	41.86	42.0
NEC			3.07	43.69	42.0
1 W			4.02	42.74	42.8
1 E			3.22	43.54	43.5
2 W			3.26	43.50	43.7
2 E	5.69	50.01	−2.44	44.32	44.0
SWB	5.47	48.78	5.72	43.66	44.3
SEB		49.38	4.47	44.91	44.5
NWB			4.96	44.42	44.5
NEB			4.15	45.23	44.5
1 W					46.2
1 E			2.82	45.96	46.8
+150 W	47.0 E	48.0	−0.85	47.93	51.3
2 W	11.67	59.54			
2 E					52.2
	7.40	66.21	−0.73	58.81	

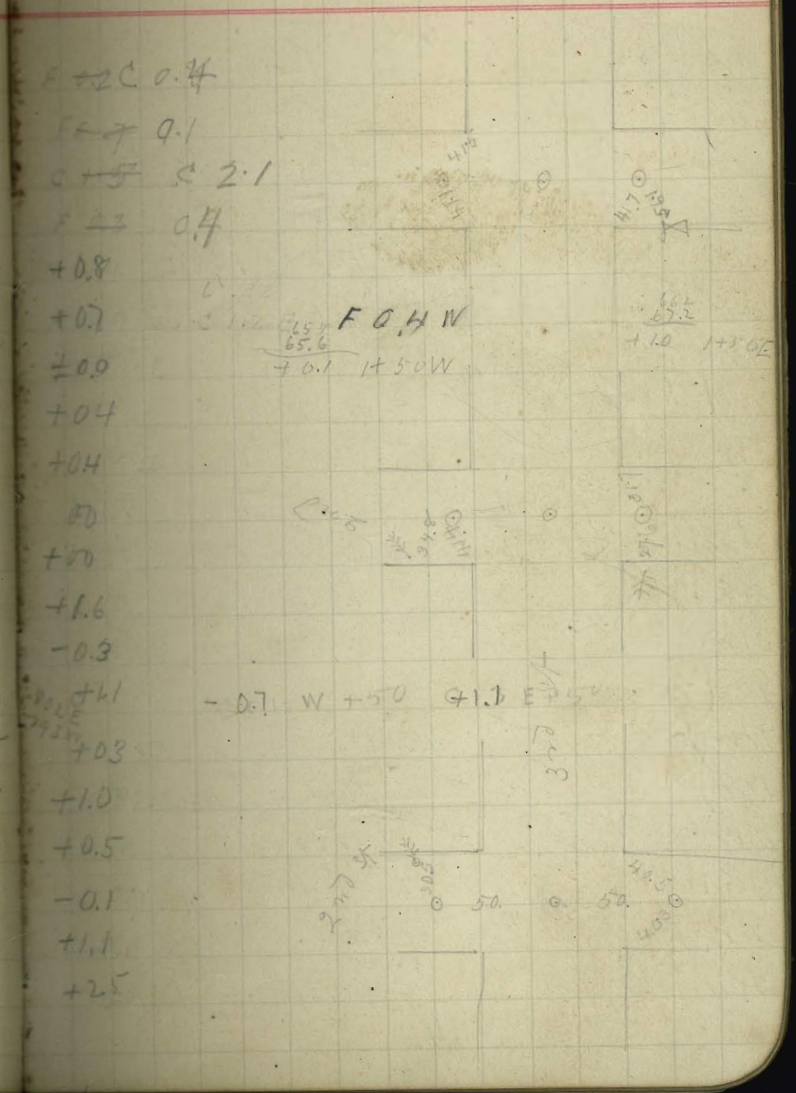
C 0.7
C 1.0
C 0.7
C 0.5
F 0.2
F 0.4
3M 3.00 43.76 2nd
SW nail
F 0.2
C 0.7 (43.88 tel pole
2.88 F 0.1
0.0
F 0.2
C 0.3
F 0.9
E 0.4
F 0.1
C 0.7
F 1.1
F 0.3
F 2.7
C 0.6



W F 1.6 E F 1.9

3° St Grades

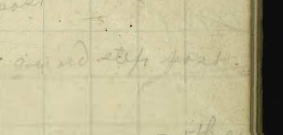
Sta	+	d	−	El	
		66.21	66.21	60.45	
		66.81	6.36	59.85	60.
			6.41	59.80	60.5
			4.18	62.63	60.5
			5.43	61.38	61.
			7.38	64.6	63.8
	6.87	72.07	1.61	65.20	64.5
+50	rr 66.0	66.0			
			4.92	67.15	67.1
			3.68	68.39	68.0
	4.56	83.05	13.13	69.87	70.5
		83.02	-0.58	71.49	71.5
			1.096	72.06	72.0
			7.95	75.07	73.5
			6.48	76.54	76.8
	78.62	81.31			
+50	rr 78.3	80.2	3.95	79.07	78.0
			1.32	81.70	
	11.80	93.50	11.44	82.06	81.7
			10.03	83.47	82.5
			6.53	86.97	86.5
			6.61	86.89	87.0
			4.37	89.13	88.0
			2.5	91.00	88.5
			2.44	91.06	
	10.81	103.46	-6.80	92.65	

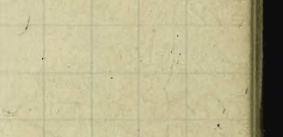


30 St Grades

Sta	+	D	−	El	
		10346			
1W			9.20	94.26	1.93
1E			6.57	96.89	94.7
2W			5.23	98.23	89.4
2E		113.93	2.89	100.57	100.8
3W			10.28	103.65	105.0
3E	6.02	118.97	6.43	107.5	103.0
4W			9.78	109.19	108.0
4E			1.77	117.20	111.0
5W			6.65	112.32	110.3
5E	3.36	122.03	7.93	120.10	118.3
6W	1.79	113.44	4.12	109.32	110.7
6E			1.96	120.07	113.0
7W	0.83	102.98	11.29	102.15	
7E			6.11	96.87	109.
8W			4.05	109.39	110.
8E	4.72	98.20	9.50	93.48	
9W			7.71	90.49	110.
9E			9.92	88.28	110.
1W	11.35	107.82	1.73	96.47	
1E	11.13	118.51	2.70	115.81	119.2
2W	11.55	129.46	0.74	107.38	
2E			1.00	108.44	119.2
3E	11.20	139.41	0.60	117.91	
			5.08	134.33	128.3
			4.29	125.17	128.3
			1.30	128.16	

+0.6
+2.2
-1.2
-0.3
-13
+05
+1.2
+6.2
+2.0
+6.8
+7.0
F12.1
C 0.6
F 19.5
F 21.7 F 21.6
C 3.4
F 10.8 F 11.5
C 6.0
F 3.1





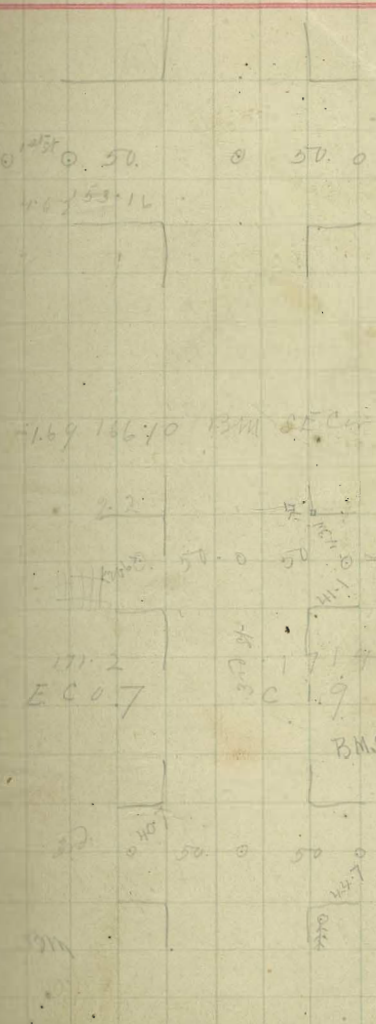
3° St Grades

Sta	+	I	−	El	Gr
		139.41		138.99	
SW	11.11	150.10	-0.42	149.45	137.5
SE	8.33	157.74	-0.65 7.56	150.22	
NW			8.75	141.35	137.5
NE			5.05	152.73	139.5
			4.55	145.55	139.5
				153.12	
1W	6.66	159.78	6.47	153.31	147.3
1E			11.15	148.63	147.5
	10.97		-0.18	159.60	
2W		170.57	9.0	161.57	155.2
2E			2.64	157.14	155.5
SW			5.61	164.96	163
SE			7.03	163.54	163.5
NW			7.55	163.02	163
NE			3.71	166.86	164.5
1W			3.57	167.50	167.3
1E	11.12	180.80	-0.89	169.68	168.5
1.50	W 169.5	E 170.5			
2W			7.06	173.74	173.2
2E			7.28	173.52	173.3
SW			1.81	178.99	180.5
SE			3.12	177.68	179.0
NW	7.49	185.17	1.38	183.79	182.5
NE			3.42	181.75	181.0

Elm

Fir

Grape



3rd St. 2-25-87 HS level Basket rod Hamilton [illegible] 21

Sta	+	⊼	−	El	grad		
				62.21			
a St	6.09	68.30	4.70 BM				
+50 E			3.95	64.35	62.6	+1.6	
+50 W			4.45	63.85	62.2	+1.6	
BM	3.23	78.80		75.57			ash
2+50 W			10.29	68.51	68.8	−0.3	
2+50 E	ash.		8.93	69.87	69.7	+0.2	
0+50 E			1.88	76.92	75.7	+1.2	ash St.
0+50 W			5.35	73.45	74.4	−1.0	
	11.79	90.59	−0.0	78.80			
2+50 W			5.91	84.68	84.1	+0.6	
2+50 E	Beech		6.39	84.20	84.7	−0.5	
	11.86	102.45	−0.0	90.59			
0+50 W			10.65	91.80	90.8	+1.0	
0+50 E			7.70	94.75	91.6	+3.1	
1+50 W			6.11	96.34	96.5	−0.2	
1+50 E			4.00	98.45	97.7	+0.7	
2+50 W			1.54	100.91	102.2	−1.3	
	11.51	113.96	−0.0	102.45			
2+50 E			10.26	103.76	103.9	−0.1	
			6.59	107.42			
				107.37			

Sta	+	D	−	El	grade	
	Cedar	113.96	+.06			
	1.57	114.02		112.45		BM
0+50	W		2.54	111.48	109.2	C 2.3
	1123	122.71	−2.54	111.48		
0+50	E		3.39	119.32	112.2	C 7.1
+50	E	Break	1.92	120.79	114.5	C 6.3
1+50	W		10.88	111.83	111.5	C 0.3
2+50	E		8.33	114.38	111.5	C 2.9
	0.48	114.50	−11.69	111.02		
2+50	W		7.09	104.41	110.8	F 3.9
	118 Gate	103.88	−11.72	99.78		
	3.90	97.27	−7.51	93.37		
NE Gate			3.27	89.00	110.	F 21.0 33' out 31.0
NW "			6.37	90.90	110.	F 19.1 36' " 28.4
0+50	E		2.70	94.57	114.6	F 20.0 31.5 out 30.3
	11.61	108.88	00	97.27		
6+50	W		4.90	103.98	114.6	F 10.6
	11.86	120.74	0.0	108.88		
1+50	E		2.60	118.14	123.8	F 5.7
	11.70	132.44	−0.0	120.74		
1+50	W		9.92	122.52	123.8	F 1.3

Sta	+	sight	−	Elev	grade		
		132.44					
	11.63	144.07	−0.0	132.44			
2+50	E		11.03	133.04	132.9	C	0.1
	11.33	155.40	−0.0	144.07			
2+50	W		9.06	146.34	132.9	C	13.4
	Elm St						
1+50	W.		3.93	151.47	143.4	C	8.1
0+50	E		11.48	143.92	143.5	C	0.4
1+50	E		3.02	152.38	151.5	C	0.9
	11.63	167.03	−0.0	155.40			
1+50	W.		10.12	156.91	151.3	C	5.6
2+50	W		3.37	163.66	159.7	C	4.8 mistake
2+50	E		5.85	161.18	159.5	C	1.7
	0.90	167.00	−0.90	166.10			
	Fir St		9.85	157.15		157.14	
0+50	W		4.80	162.20	165.2	F	3.0
	11.62	178.48	−0.14	166.86			
0+50	E		10.33	168.15	166.5	C	1.7
2+50	E		2.85	175.63	176.2	F	0.6
2+50	W		1.80	176.68	176.9	F	0.2
	8.93	185.79	−1.63	176.85			
		2.0	2.01	183.77			

Sta	+	I	−	El	Gradi	
B.St	0.21	63.80	-	63.59		
2+50	W		7.52	56.28	55.6	C 0.7
2+50	E		7.85	55.95	56.3	F 0.4
2	E		11.0	52.80	52.2	C 0.6
			-11.71	52.09		
	-0.02	52.07				
1+50	E		5.77	46.30	48.0	F 1.7
0+50	E		5.84	46.23	45.6	C 0.6
0+50	W		6.93	45.14	45.3	F 0.2
1	W		7.00	45.07	46.2	F 1.1
1	E		5.48	46.59	46.8	F 0.2
1+50	W		6.56	45.51	47.0	F 1.5
2	W		3.37	48.70	51.3	F 2.6
	3.90	47.95	-8.02	44.05		
	C.St					
2+50	E		3.43	44.52		
2+50	W		4.12	43.83		
2	W		4.40	43.55		
1+50	E		3.93	44.02		
1+50	W		4.96	42.99		
0+50	W		5.49	42.46		
0+50			4.60	43.35		

3rd St 2-26-87 H. Santos 25

Sta	+	I	−	El	grade	
	K St					
	1.55	7.09		5.54		
+50	W		7.96	−.87	0.7	F 1.6
+50	E		5.75	1.34	0.7	C 0.6
1+50	E		6.03	1.06	1.0	00
1+50	W		7.65	−0.56	1.0	F 1.6
2+50	E		5.85	1.24	1.4	E 0.2
2+50	W		3.85	3.24	1.4	C 1.8
	J St					
+50	W		4.07	3.02	2.8	C 0.2
+50	E		3.70	3.39	2.8	C 0.6
1+50	E		2.51	4.58	4.3	C 0.3
1+50	W		3.45	3.64	4.3	F 0.7
2+50	W		1.96	5.13	5.8	F 0.7
2+50	E		0.30	6.79	5.8	C 1.0
	I St					
	8.66	15.75	00	7.09		
0+50	E		7.45	8.30	8.1	C 0.2
0+50	W		8.03	7.72	7.6	C 0.1
1+50	W		7.47	8.28	8.7	F 0.4
1+50	E		6.37	9.38	9.5	F 0.1
2+50	E		4.93	10.82	10.8	00
2+50	W		6.04	9.71	9.9	F 0.2

Sta	+	I	−	El	grade	
	H.St	15.75				
	0.30	15.76		15.46		
+50	W		2.50	13.26	12.5	C 0.8
+50	E		1.90	13.86	13.5	C 0.4
1+50	E		10.63	15.32	15.5	F 0.2
1+50	W		1.57	14.19	14.5	F 0.3
	11.28	25.95	-1.09	14.67		
2+50	E		8.90	17.05	17.5	F 0.6
2+50	W	G.St	10.08	15.87	16.5	F 0.6
	4.53	26.93		21.40		
+50	W		6.08	19.85	19.3	C 0.6
+50	E		4.55	21.38	20.3	C 1.1
1+50	E		2.96	22.97	22.0	C 1.0
1+50	W		4.62	21.31	21.0	C 0.3
2+50	W		3.10	22.83	22.7	C 0.1
2+50	E. F.	GT	1.90	24.03	23.7	C 0.3
	10.31	36.24	0 0	25.93		
	9.17	36.23		27.06		
+50	W		8.93	27.30	25.6	C 1.7
+50	E		8.78	27.45	26.6	C 0.8

Sta		+	·o·	−	El	grade	
			36.23				
1+50	E			6.75	29.48	29.0	C 0.5
1+50	W			8.35	27.88	28.0	F 0.1
2+50	W			5.60	30.63	30.3	C 0.3
2+50	E	C.T.		4.84	31.39	31.5	C 0.1
BM		E		1.33	34.90		0.440
+00.	E			1.25	34.98	35.1	F 0.1
+50	W			1.23	35.00	33.7	C 1.3
		10.69	46.92	−0.0	36.23		
1+50	W			10.10	36.82	36.2	C 0.6
2+50	W			8.48	38.44	38.7	F 0.3
2+50	E	D.T.		7.54	39.38	39.1	C 0.3
BM		6.90	46.90		40.0		
+50	W			5.42	41.48		
+50	E			3.88	43.02	42.6	C 0.4
1+50	E			3.62	43.28	42.8	C 0.5
1+50	W			4.23	42.67	41.7	C 1.0
2+50	W			4.64	42.26	41.9	C 0.3
2+50	E	C.T.		3.77	43.13	42.9	F 0.2
		3.43	47.20	3.13	43.77		

Sta	+	∅	−	El	grade	
	C.Gt	47.20				
+50 W			4.81	42.39	42.4	00
+50 E			3.91	43.29	43.2	C 0.1
1+00 E			3.24	43.96	43.7	C 0.2
1+50 W			4.27	42.93	43.2	F 0.3
2+50 W			3.42	43.78	44.1	F 0.2
2+50 E			2.76	44.44	44.2	C 0.2
	333 BS	47.21		43.88		

38.43
+ 1.72
40.15
4.21
35.94

HD
R

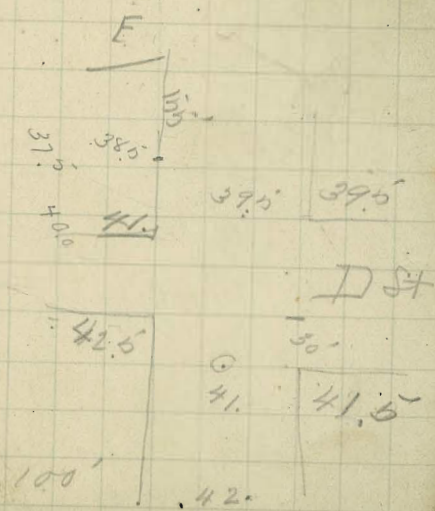
40.15
4.56
35.59

40.15
3.84
36.30

40.15
31.04
9.11

Curbs grades 3 36 St

F	S	24.5	G	S	18.5
F	N	25.5	G	N	19.5
E	S	32.5	H	S	11.5
E	N	33.5	H	N	12.5
D	S	39.5	I	S	7.0
D	N	41	I	N	7.8
			J	S	20
C	S	43	J	N	25
C	N	43	K	S	10
B	S	45	K	N	10
B	N	45			
+150'		48			
A	S	60.8			
A	N	61.3			



2nd St

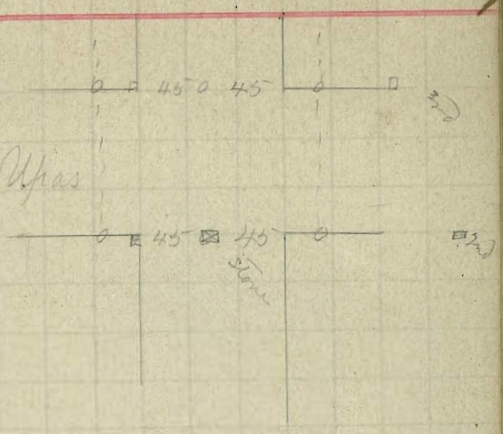
K St

W	Jury		
212.5 S		S.	212.5
213.5 N		N	214.
+1. 219.7		+1	220.3
+2. 225.8		2	226.66
	Jun		
232. S		S	233.
232.5 N		N	233.5
+1. 233.5		+1	234.5
+150 234.		+150	235.
2 236.5		+2	237.5
	Kal.		
241.5 S		S	242.5
242.5 N		N	243.5
+1 245.		+1	246.
+2. 247.5		+2	248.5
	Laurel		
250. S	✓	S	251.
251 N		N	252
+1 253.3		+1	254.3
+2 255.7		+2	256.7

Maple

258. S		S	259.
258, N		N	259
+1 259.6		+1	260.5
+2 261.3		+2	262.0
	Nutmeg		
263. S		S	263.5
263,5 N		N	264,5
+1 266.9		+1	267.9
+150. 268.5		+150	269.5
+2 269.		+2	270.
	Olive		
270 S		S	271.
270.5 N		N	271.5
+1 272.2		+1	273
+2 273.8		+2	274.5
	Palm		
275.5 S		S	276.
276.5 N		N	277
+1 277.3		+1	277.8
+2 278.1		+2	278.6
279. S	Juncel	S	279.5

		Lunge		
279.	S		S	279.5
279	N		N	279.5
279.5	+1		+1	280.1
280.	+2		+2	280.8
		Redwood		
280.5	S		S	281.5
281.	N		N	282.
280.8	+1		+1	281.8
280.7	+2		+2	281.7
		Spruce		
280.5	S		S	281.5
280.5	N		N	281.5
280.	+1		+1	280
279.5	+2		+2	280.5
		Thorn		
279.	S		S	280.
280.	N		N	281.
282.	+1		+1	283
284	+2		+2	285
		Upas		
286.	S		S	287
286.5	N		N	287.5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45°
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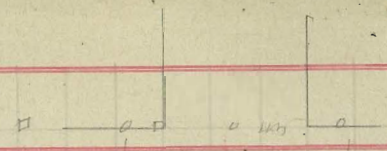
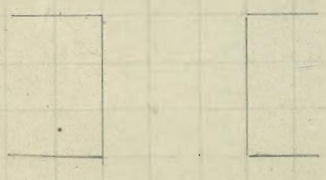
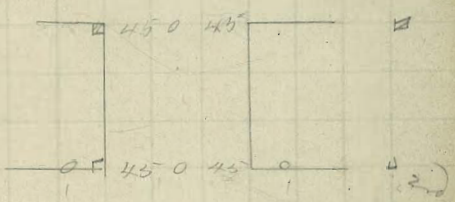
45°



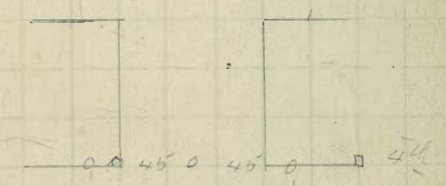
Quince



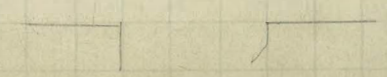
Redwood



Spruce



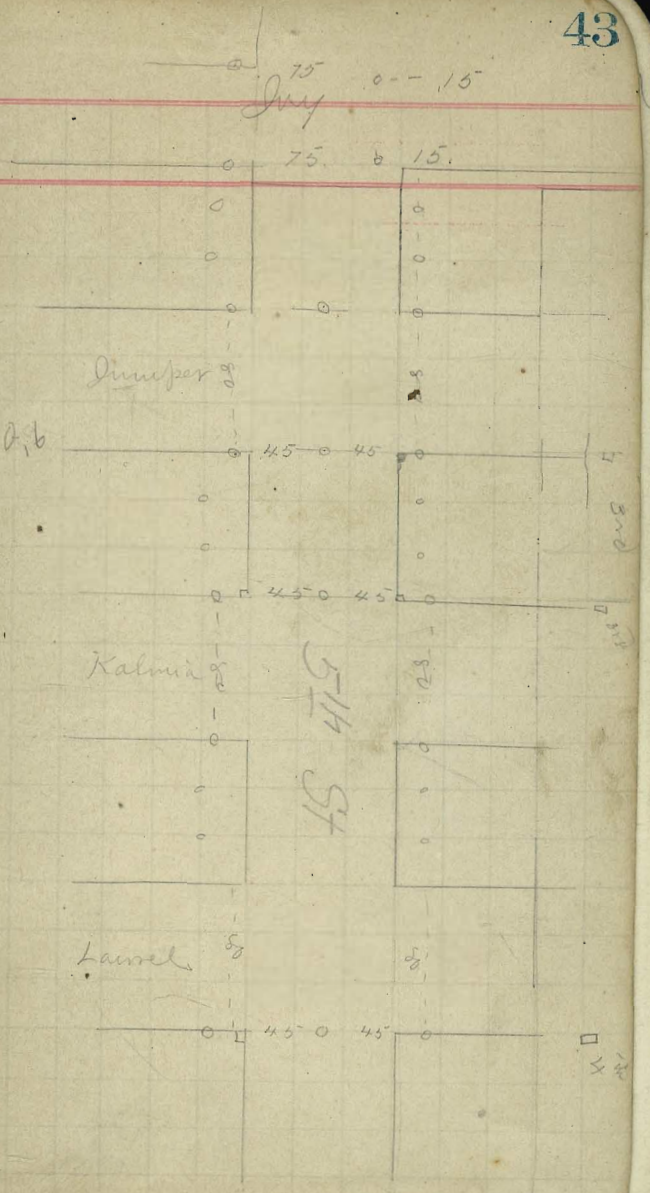
Thorn 5 80



45
45
Maple St
5th
Nutmeg
45
45
Street
Olive
45
45
Palm St
45
45

2nd St ash

	2.65		78.21	75.56	
NE	3.14			75.07	
NW	6.43	6.44		72.07	
SW		5.34		69.87	7.5
SE		6.73		71.48	



Index

Page	Name	Class of work
1-7	5th St Grades from Fry	to Upas
8	S.D.&C. Water Co	Fire Plug
NE 37	5th St Grades & tie points	to Upas
NW 9	S.D.&C. Water Co	Grades on A St.
SW 11	Lehman Theo.	Lot
SE 12	S.D. Cy. Emb. at Old Town Bridge	
13	3d Street Grades K—	

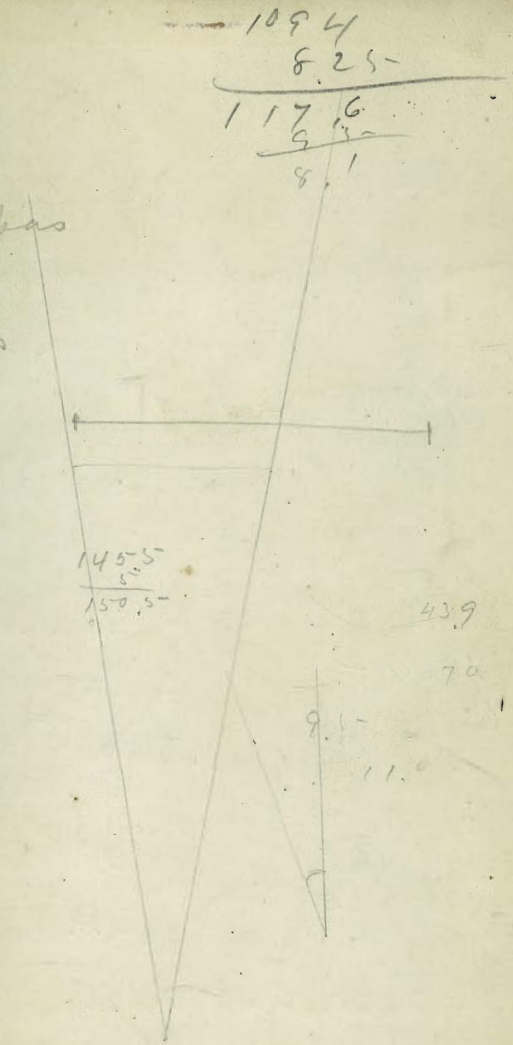


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TABLE of Decimal parts of a FOOT for each Inch and Sixteenth of an Inch.

IN.	0	1	2	3	4	5	6	7	8	9	10	11
0	**000**	**083**	**167**	**250**	**333**	**417**	**500**	**583**	**667**	**750**	**833**	**917**
	005	089	172	255	339	422	505	589	672	755	839	922
1/8	**010**	**094**	**177**	**260**	**344**	**427**	**510**	**594**	**677**	**760**	**844**	**927**
	016	099	182	266	349	432	516	599	682	766	849	932
1/4	**021**	**104**	**187**	**271**	**354**	**437**	**521**	**604**	**687**	**771**	**854**	**937**
	026	109	193	276	359	443	526	609	693	776	859	943
3/8	**031**	**115**	**198**	**281**	**365**	**448**	**531**	**615**	**698**	**781**	**865**	**948**
	036	120	203	286	370	453	536	620	703	786	870	953
1/2	**042**	**125**	**208**	**292**	**375**	**458**	**542**	**625**	**708**	**792**	**875**	**958**
	047	130	214	297	380	464	547	630	714	797	880	964
5/8	**052**	**135**	**219**	**302**	**385**	**469**	**552**	**635**	**719**	**802**	**885**	**969**
	057	141	224	307	391	474	557	641	724	807	891	974
3/4	**062**	**146**	**229**	**312**	**396**	**479**	**562**	**646**	**729**	**812**	**896**	**979**
	068	151	234	318	401	484	568	651	734	818	901	984
7/8	**073**	**156**	**240**	**323**	**406**	**490**	**573**	**656**	**740**	**823**	**906**	**990**
	078	161	245	328	411	495	578	661	745	828	911	995

Entered according to act of Congress, in the year 1874, by Edward Denny & Co. in the Clerk's Office of the District Court of the United States, for the Northern District of California.

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