BENCH

1888

BOOK

City Surveyor's
Office
San Diego, Cal.

LEVEL BOOK

F.B. 739

13

739

MICROFILMED 1964

Table showing the difference of latitude and departure in running 80 chains at any course from 1 to 60 minutes.

Minutes.	Lks.	Minutes.	Lks.	Minutes.	Lks.
1	2⅓	21	49	41	95⅔
2	4⅔	22	51⅓	42	98
3	7	23	53⅔	43	100⅓
4	9⅓	24	56	44	102⅔
5	11⅔	25	58⅓	45	105
6	14	26	60⅔	46	107⅓
7	16⅓	27	63	47	109⅔
8	18⅔	28	65⅓	48	112
9	21	29	67⅔	49	114⅓
10	23⅓	30	70	50	116⅔
11	25⅔	31	72⅓	51	119
12	28	32	74⅔	52	121⅓
13	30⅓	33	77	53	123⅔
14	32⅔	34	79⅓	54	126
15	35	35	81⅔	55	128⅓
16	37⅓	36	84	56	130⅔
17	39⅔	37	86⅓	57	133
18	42	38	88⅔	58	135⅓
19	44⅓	39	91	59	137⅔
20	46⅔	40	93⅓	60	140

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Table for Running on Slopes.

In the following table the first column shows the angle, the second, the number of links to be added to a chain on the slopes, to make one chain, horizontal measurement.

Angle.	Cor. in links.	Angle.	Cor. in links.	Angle.	Cor. in links.	Angle.	Cor. in links.
°		°		°		°	
4	0·24	11	1·88	18	5·14	25	10·54
5	0·38	12	2·24	19	5·76	26	11·26
6	0·55	13	2·63	20	6·42	27	12·24
7	0·76	14	3·06	21	7·11	28	13·37
8	0·98	15	3·53	22	7·85	29	14·34
9	1·24	16	4·02	23	8·64	30	15·47
10	1·55	17	4·56	24	9·47	35	22·07

7

DRAWING
S

In t
links to be a

Angle.	Cor.
°	
4	
5	
6	
7	
8	
9	
10	

Overture.

The initial Bench from which all the Elevations in this book were taken is the N Cor' of the Granite Base of the NW Column of Main entrance Hortons Bank Building S.W cor 3rd & D st's

Elevation of initial B.M. 40'00 (City Datum).

The Government Datum (lower low water) is 8.80'4 ft lower than the City Datum.

Sewer Resevoir

B.M	- 1.46	End of Bolt at S cor of Resvoir

ATLANTIC STREET

Cros'ng	Cor	Eleva.	Description
H	NE	1.25	Nozzle Hydraut.
G	NW	- 0.184	S/k in tel
F	NE	0.471	S/k in guard / ash
E	NW	- 0.264	S/k tel
D	NE	2.989	S/k tel
C			
B			
A			
Ash			
Beech			
Cedar			
Date			
Elm			
Fir			
Grape			
Hawthorn			
Ivy.			
Juniper			
Kalmia			
Laurd			
Quince			
Redwood			
Spruce			
Sassafras			
Thorn			

Crossing	Cor	Eleva	Description
Vine.			
Bean.			
Emory.			
Harasthy.		10.962	TACK IN CENTre plug (St)
Clayton.		5.807	" " " " "
Sutherland.		1.229	" " " " "
Noel.		1.278	" " " " "
Estudillo.		-0.910	" " " " "
Wright.		- 1.961	" " " " "
Bandini.		- 3.773	" " " " "
Couts.		- 5.396	" " " " "
Witherby.			

CALIFORNIA STREET

H	N.E.	-0.955	Spk cor fence
G	N.E.	0.885	" in tel
F	S.E.	3.286	" " "
E	NW	5.554	" " "
D	SE	7.639	" " "
C			
B	SE	8.942	Spk in Sign Post
A	S.E.	9.404	Spk in NW cor of lumber platform
Ash	NE	11.335	Spk teleg
Beech	NE	15.153	Spk tel 30' N of Corner
Cedar	NE	16.002	Spk tel 50' N of cor
Date	N.E.	16.980	Spk tel 75' N of cor
Elm			
Fir	S.E.	17.745	Spk tel
Grape	E	16.835	Spk teleg (E side of Street)
Hawtn	N.E	21.623	Spk tel
Ivy	N.E	17.551	Spk tel
Juniper	N.E	17.999	Spk tel
Kalmia		14.489	Spk top of center pile NE wing RR bridge
Lau	SW	13.264	Cop in plg 15' S W of cor
Map	S.E.	8.947	Spk tel 40' S of cor
Nut	SE	19.177	Spk in Tel Pole
Olive	N.E.	35.081	Spk in SW cor of tel nearest cor
Palm	SE	40.145	Spk in NW cor teleg 30' N of cor
Quince	SW	39.768	RR spk in SW cor tel abt 170 S of Quince

CALIFORNIA STREET

Crossing	Cor	Elev	Description
Redwood	N.E.	39.057	Spk in S.E. cor tel near cor
Spruce	N.E	35.881	" " " " "
Sassafras	NE	27.639	" " " " " nearest to cor of St
Thorn	N.E	20.656	Spk in Cap of N Bent of R.R. Bridge
Upas	N.E	21.604	Spk N.E. cor tel 20' S. cor
Vine	NE	21.782	Spk N.E. cor tel 50' W of cor
Willow	S.E	27.405	Cop plg abt 16 SE of cor abt 50' SW of brick wall
Chalmers	N.E.	38.869	Cop tack in stake 1' N.E. of cor
Winder	N.E	47.397	Spk in fence cor
Pierce	S.E.	49.261	Spk in fence cor
McKee	NE	58.938	Cop plg 1' NE of cor
McNealy	N.E	71.224	Spk in fence cor
Stone	S.E	84.614	Cop plg 9' S.E. of S.E. cor

ARCTIC STREET

H	NW	0.795	Spk tel
G	SW	4.940	North end Hydrant bridge
F	NE	7.550	" " " "
E	NW	8.089	"Spk Tel Pole
D	NW	10.294	Spk in tel
C	NE	12.434	Spk tel
B	NE	12.424	" "
A	SE	13.823	Spk cor post
Ash	NE	17.198	Spk tel
Beech	NW	19.654	Spk cor post
Cedar	NE	28.523	Spk tel
Date	SE	30.095	Spk cor post
Elm			
Fir	SW	32.750	Spk cor post
Grape	SE	31.800	Spk top face at cor
Haw'n	NW	29.809	Spk in cor post
Ivy	SW	27.093	Spk cor post
Juniper	NW	31.161	Spk in Fence 75' N of cor
Kalmia			
Laurel	SE	39.746	Spk in Tel Pole
Maple	NE	36.776	" " "
Nutmeg	SE	48.059	" " "
Olive	SE	59.509	" " "
Palm	SE	67.092	" " "
Quince	NE	64.592	" " 50' N of cor

ARCTIC STREET

Redwood	NE	64.559	Spk in Tel Pole
Spruce	SE	50.532	" " "
Sassafras	NE	50.042	" " " 30' N of cor
Thorn	SE	42.255	" " "
Upas	NE	48.300	Spk cor post
Vine		43.104	Spk in cor Post
Willow		38.319	" " Tel Pole
Chalmers	NE	55.890	" " cor Post
Winder	NE	67.581	" " "
Pierce	SE	67.712	" " "
McKee		92.168	Cpl tk in Centre Plug
McNealy	NW	93.164	Spk in cor Post
Stone	SW	95.644	" " "

INDIA STREET

	S.W.	0.73	spike in Tele pole
H	N.E.	4.06	N. Hyrage Hydrant
G	NE	7.84 2	
F		8.154	
E		10.464	
D	SW	13.607	nail in cor of small porch
C	NE	18.299	Hydrant Nozzle
B	NE	18.630	Hydrant nozzle
A	SW	18.983	Spk Elec Pole 10' S of cor
Ash	SW	23.257	spk cor post
Beech	NW	30.773	spk in nail top post
Cedar	NW	34.908	spk cor post
Date	NE	45.414	spk cor post
Elm			
Fir	NW	47.200	spk cor post
Grape	SW	46.563	spk cor post
Hawt'n	NW	45.664	spk in Elec Pole
Ivy	NW	46.732	spk in " "
Juniper	NW	46.499	Top of iron pipe in ground at cor
		42.66	ow spike at center
Kalmia		37.982	spike Electric pole
Laurel	NE	60.897	Spk in cor Post
Maple	SE	84.144	Iron pin " "
Nutmeg	SW	81.128	Cop tk in Block cor
Olive	NE	109.237	Iron pin 5' S E of cor
Palm	SE	101.865	" " "
Quince	SE	110.706	" " "

INDIA STREET

Redwood	SE	107.285	Iron pin 5' SE of cor
Spruce	SE	87.448	" " "
Sassafras	NW	78.69 v	Spk in Top of Post
Thorn	SW	78.444	" " cor Post
Upas	NW	70.391	" " Top of Post
Vine	SW	84.458	" " cor Post
Willow		93.077	Cop tk in Center Plug
Chalmers		67.577	Spk in cor Post
Winder		82.559	" " "
Pierce		81.939	" " "
McKee			

COLUMBIA STREET

I			
H	NE	5.680	Spk tel
G	SW	10.085	" "
F	SE	14.290	" "
E	NW	14.780	" "
D	NE	19.617	Top of shoulder to nozzle of Hydt
C	SE	22.294	Spk cor post
B	NE	22.345	Spk in flume
A	SE	29.073	Spk cor bldg
Ash	NW	32.482	Spk cor post
Beech	NW	40.899	Spk cor post
Cedar	S.E.	48.629	cop tack baseboard
Date	SW	47.567	spk cor post
Elm	NE	62.745	spk in ground 4" fr cor
Fir	SE	65.768	Spk in Cor fence
Grape	NW	60.611	top of blk cor
Hawtn	NE	67.989	Spk cor post
Ivy	SE	67.234	Spk cor post
Juniper	NE	67.862	Pin in ground nt cor
Kalmia	SE	70.286	Iron pin under rock
Laurel	NW	46.026	Spk in Cor. Post
Maple	S.W	94.096	" " " "
Nutmeg	SW	120.604	Cop. tk in Block cor
Olive	SW	136.920	" " "
Palm	SE	133.775	" " "

COLUMBIA STREET

Quince	NW	145.863	Cop tk in Block cor
Redwood	SW	140.441	" " "
Spruce	NE	131.189	" " "
Sas'fras	SE	137.376	Spk 1' SE of cor
Thorn	SW	142.781	Cop tk in Block cor
Upas	SW	122.936	Iron pin 6" cor
Vine			
Willow			
Chalmers			
Winder			

STATE STREET

I	S.W.	1.53	Granite monument Shore base line
H	NE	10.13	" " " Nozzle Hydrant
G	NE	15.755	Spk cor building
F	SW	18.090	N end Hydt hinge
E	SE	22.052	" " " "
D	SW	23.072	top Shoulder to nozzle of Hydt
C	S.E	25.014	" " Pass
B	NE	30.625	" "
A	SE	39.126	North end Hydrant hinge
Ash	NW	40.897	cop top post
Beech	NE	46.396	spk cor post
Cedar	S.E	57.484	spk cor post
Date	SE	63.314	North end Hydrant hinge
Elm	S.E	70.050	cop base 1' S of cor
Fir	SE	79.641	Hydrant Nozzle
Grape	SE	78.612	Spk cor Post 50' South cor
Hawt'n	NW	80.217	" " "
Ivy	SW	75.087	" " "
Juniper	SE	79.353	Pin in ground W cor
Kalmia	NE	93.300	Iron pin under rock
Laurel	NW	58.305	Cop tk in Plug 1' NW of cor
Maple		54.074	on Centre Plug
Nutmeg	SW	122.972	Spk 1' SW of cor
Olive	SE	183.321	" Cor Post
Palm	SE	181.00	Cop tk in Block cor

STATE STREET

Quince	NW	183.488	Cop tk in Block cor
Redwood	SW	191.941	" "
Spruce	NE	99.92	" "
Sas'fras	SE	179.287	Spk 1' SE of cor
Thorn	SE	186.175	Cop tk in Block cor
Upas	S.E	173.073	Iron pin 6" SE of cor
Vine		139.76	on Centre Plug
Willow	SE	125.30	Cop tk on Block cor
Chalmers		109.41	on Centre Plug

UNION STREET

I	NW	5.07	Spike Post
H	NE	11.09	spike in cor. post
G			
F	S.W	20.77	" " "
E	NW	24.97	" tel Pole
D	SW	27.008	Iron spk NE cor of porch
C	NW	28.78	spike in cor post.
B	NW	38.115	spk cor post
A	NW	43.056	" " "
Ash	SE	42.497	Iron pin 6" SE of cor
Beech	SE	52.931	N End Hyd Lings
Cedar			
Date	NW	70.581	spk cor post
Elm	SE	77.440	Iron pin SE of cor
Fir	NW	99.551	spk cor post
Grape	NE	94.899	Iron pin 6" in Cement wall
Hawthn	NE	103.230	Spk " cor " post
Ivy	NE	102.110	Pin " " "
Junip	NW	88.145	Pin 5" N of Block cor
Kalmia	SE	113.343	" " 3" SW of cor
Laurel	SW	119.572	Cp Hk in Block cor
Maple	SW	76.630	" " Centre Plug
Nutmeg	NW	54.170	" Spk 1' SW of cor
Olive	SW	129.808	" Corner Post
Palm	SE	192.864	Cp Hk in Block cor

UNION STREET

Quince	SE	206.702	Cp Hk in Block cor
Redwood	SE	204.850	" " Centre Plug
Spruce		148.472	" " "
Sas'fras	NW	171.257 171.290	" " in Block cor
Thorn	SW	206.220	" " "
Upas	SW	206.875	Iron pin 6" SW of cor
Vine	NW	188.26	Cp Hk at Block cor
Willow	SW	135.18	" " "
Chalmers			

HORTON AVE

Laurel			
Maple			
Nutmeg			
Olive			
Palm			
Quince			
Redwood			
Spruce			
Sas'fras			
Thorn			
Upas		228.243	on Street Centre.

FRONT STREET

I			
H			
G	SE	19.082	N end hydrant hinge
F	SW	20.02	spk tel pole
E	SW	27.561	spk cor fence
D	S.W	32.137	top of hydrant
C	SE	33.60	Nozzle Hydrant
B	N.E	39.66	" " top of fence
A	N.E	50.316	" " cor. post
Ash	S.E	53.797	Hydrant Nozzle
Beech	SW	54.831	spike " ground near cor
Cedar	S.E	61.094	c.t. in lower step
Date	NE	81.186	Spk in ground nr cor.
Elm	S.W	85.896	" " " " " "
Fir	NE	102.790	" " " 6" fr cor
Grape	S.W	116.394	Pin at 7' Tie point
Hawt'n	SW	150.210	Pin at 7' Tie point
Ivy	NW	176.31	on spike at cor. st.
Juniper	S.E	189.780	spk. near corner
Kalmia	N.W	199.342	" in top of post
Laurel	NE	207.832	Pin in ground nr cor at Stone wall
Maple	NE	215.997	cop top Blk co
Nutmeg	NW	129.658	" " "
Olive	NE	135.330	" "
Palm	NE	226.713	cop top Blk

FRONT STREET

Quince	NW	192.992	cop tk in Block cor
Redwood	NW	174.572	cop tac. top Blk cor
Spruce	SE	237.565	" " Plug near cor
Thorn	NE	238.73	cop " top Blk cor
Upas	NE	242.790	bow pin 6" N.E of cor

13.60

FIRST STREET

J	NE	3.02	Spk cor house
I	NE	11.410	N end Hydrant hinge
H	SE	12.620	Hinge Hydrant
G	NE	14.04	Spk cor post
F	NE	17.167	" tel
E	SE	27.38	N end hydrant hinge
D	SW	32.692	nozzle of Hydrant
	S.W.	31.726	Spk tel.
C	S.E.	35.759	Spk. cor. post
B	N.W.	37.373	" "
A	S.E.	50.133	N. end hyd hinge
Ash	N.W.	58.170	spk. cor. post.
Beech	S.E.	63.046	" in ground near corner.
Cedar	S.E.	71.896	N. End hyd. hinge
Date	N.E.	88.141	spk. in ground near stone wall
Elm	S.E.	111.907	N. End. Hyd. Hinge
Fir	N.E.	137.840	spk. in cement in S. W. 4" S.W. for.
Grape	N.E.	145.427	Top Elbow collar of Water pipe
Hawth'n	S.E.	165.619	" Hydrant Noz
Ivy	N.W.	190.495	C.T. in top of fence
Juniper	S.E.	202.595	Hydrant Noz
Kalmia	S.E.	212.261	Iron pin in ground
Laurel	S.W.	222.592	Hydrant Nozzle
Maple	N.E.	228.990	Cof tac top Blk. co
Nutmeg	N.E.	235.22	Spk. cor Brick wall
Olive	N.W.	150.305	Cof tk in Block co
Palm	N.W.	244.867	Cof tac top Blk co

FIRST STREET

Quince	S.W.	242.281	cof tac top Blk co
Redwood	S.E.	246.792	" " " " "
Spruce	S.E.	247.627	" " " " "
Thorn	S.W.	253.903	" " " " "
Upas	N.W.	256.766	Iron pin 6" N.W. of cor
Ferry		253.95	
Walnut	N.W.	251.47	Spk at fence cor
Brooks	S.E.	256.12	" " "
Thornton	S.E.	259.43	" " "
Robinson	S.E.	269.33	" " "
University	S.E.	274.319	Spk at Block cor

12.34

SECOND STREET

J	SW	3.412	Spike Mail Box post
I	SW	7.042	" Guard post
H	SE	11.555	South hinge hydrant
G	SE	16.480	N End hydrant hinge
F	NW	19.152	Spike Elect pole
E	NE	31.334	" tel "
D	S.W.	37.191	N. end hydrant hinge
C	S.W.	38.307	sp. cor post
B	S.E.	40.360	" in stump
A	S.E.	54.593	" cor fence
Ash	S.E	65.934	" in cor. post
Beech	S.E.	77.646	Spk in Concrete walk at corner
Cedar	N.E.	91.776	" " " building 4" S.W. of cor.
Bate	S.E.	100.194	b. Hydrant Nozzle
Elm	N.W.	118.643	spk corner of barn
Fir	S.W.	153.472	" 4" N.E. of cor.
Grape	N.E.	176.147	" corner fence.
Haw'n	NE	173.684	Spk in ground W. cor
Ivy	N.W.	198.390	spk. in gr. at Blk cor.
Juniper	N.E	210.50	" in cor. post
Kalmia	N.E.	221.446	Iron pin in ground
Laurel	SE	230.495	Spike Elec pole
Maple	NW	242.525	" cor post
Nutmeg	SE	252.227	cut in tac Blk cor
Olive	SE	243.470	" " " "
Palm	SE	171.049	" " " "

SECOND STREET

Quince	SE	266.640	cut in tac top Block cor
Redwood	NW	264.59	Iron tack in plug
Spruce	SW	272.467	cut plug 2' from cor
Thorn	SW	274.147	cut in tac top Blk cor
Upas	NW	277.462	hub pin 6" SW of cor
Ferry	NE	273.42	spike in post Board wall (Mc Goodall)
Walnut	SW	266.01	Spk at Block cor
Brooks	NW	256.30	Spk at Block cor
~~Walnut~~			
Thornton	NW	269.58	" " "
Robinson	NW	274.00	" " "
University	SE	280.579	Spk at Block cor

THIRD STREET

K	SE	1.368	spk cor warehouse
J	NE	5.766	spk in cement walk 6" cor
I	SE	8.378	top of nozzle to hyd
H	S.E.	13.575	S. end of hinge hyd.
G	S.E.	19.95	Hydrant Nozzle
F	S.W.	25.545	N. end of hyd hinge
E	S.E.	34.565	" " " "
D	SW	initial bench 41.000	Bse of NW column entranc Horton BK Blk
C	SE	45.105	N. End of Hydrant hinge
B	NE	46.550	Spk cor post
A	SE	62.26	N end of hydrant hinge
Ash	SW	70.163	Iron pin 4" NW of cor
Beech	SE	89.143	North hinge Hydrant
Cedar	SE	106.49	spike in ground 4" from cor
Date	SE	110.20	" " tele pole
Elm	SE	138.543	Hydrant Noz
Fir	SE	163.48	spk cor post
Grape	SE	179.91	" " "
Hawt'n	SW	161.847	Spk in Fence cor
Ivy	NW	207.029	SE cor of lower step
Juniper	SW	215.324	Pin 6" SW of blk cor
Kalmia	NW	229.175	on wooden plug at Block cor
Laurel	SW	237.143	Spike Elect pole
Maple	NE	250.367	" cor post
Nutmeg	SE	257.054	" " "
Olive	Cent	263.381	St center plug

THIRD STREET

Palm	SE	257.722	Spike building 50' E cor
Quince	NW	264.805	cap top Blk cor
Redwood	NW	272.957	" " " "
Spruce	NW	277.978	" " " "
Thorn	NW	281.562	" " " "
Upas	SW	283.361	Iron pin 6" SW of cor
Ferry	NW	284.17	Spk at Plug
Brooks	NW	277.57	Spk at Block cor
Thornton	NW	279.14	" " " "
Robinson	NW	285.11	" " " "
University	SW	284.75	Spk at Block cor

FOURTH STREET

K	SW	3.45	N End of Hydrant Hinge
J	SW	6.180	Shoulder to nozzle of hydt
I	SW	10.799	Spk cor of stoble
	SW	17.63	N hinge Hydrant
H	NE	17.49	Cor of Granite Base of Pillar
G	SE	24.11	North Hinge of Hydt
F	SW	31.05	" " "
E	SE	38.410	" " "
D	NW	46.525	" " "
C	SE	49.265	" Hydrant Noz "
B	SW	57.350	Noz of Hydt
A	SE	61.78	Cop Tack Top of cor Fence Post
Ash	SW	79.75	Hydrant Noz
Beech	SE	95.48	Cop Tack cor Post of Curb
Cedar	NE	110.82	SW Bolt Electric Mast
Date	SE	122.13	Noz of Hydt
Elm	NE	138.07	Spk in ground 6" N cor
Fir	SE	161.54	Spk in ground 8" E cor
Grape	SW	180.00	spike in Electric pole
Hawtn	NE	196.75	Hydraut Nozzle
Ivy	NE	206.00	Tack in Top cor Post of Curb
Juniper	SE	212.19	Spk cor Fence
Kalmia	NE	232.961	Spk Elec pole
Laurel	SW	242.730	Hydraut Noz
Maple		253.68	spike 6" N-W cor post
Nutmeg	SW	262.674	" " "

FOURTH STREET

Olive	NW	268.009	Iron pin N. cor
Palm	NW	268.97	Tack in cor Base Board
Quince	SE	264.472	Cop tack Blk cor Plug
Redw'd	NE	269.75	Tack in water table
Spruce	S.W.	272.41	north end W. step to down power house
Thorn	SW	279.22	spike in post
Upas	SW	285.187	Iron pin 3" S W cor
Ferry		288.18	Spk in Ele mast
Brooks	NW	293.435	" " "
Thornton	NW	285.190	" " "
Robinson	SE	288.88	" " "
University	SW	287.600	" " "

FIFTH STREET

L	NE	3.25	Spk Tel pole
K	S.E.	7.377	lower split hinge 2.5' E of 5th St
J	SW	11.438	h. End of hydrant hinge
I	SE	17.084	" " " "
H	S.E.	23.06	" " " "
G	SE	28.345	N. " " "
F	SE	35.67	N. " " " "
E	SW	41.647	N End of hydrant hinge
D	SE	48.776	" " " "
C	SE	54.420	" " " "
B	SW	55.570	" " " "
A	SE	67.66	North end Hydrant hinge
Ash	S.E	77.630	spk cor post
Beech	NE	100.82	N. End of hydrant hinge
Cedar	S.E	116.15	spike in telegraph pole
Date	NE	133.68	Hydrant Noz
Elm	NE	140.68	spk tel
Fir	NE	160.27	h. End of hydrant hinge
Grape	NW	174.87	spike in telegraph pole
Hawth	NW	198.74	Iron pin 6" from wall
Ivy	SE	215.81	West Hinge of Hydrant
Juniper	SE	228.18	Spk in Tel Pole
Kalmia	SE	242.36	" "
Laurel	NE	253.07	Top Cem Pillar at Corner
Maple	NW	258.14	Spk in ground 6" from cor

FIFTH STREET

Nutmeg	SE	263.86	spk tel
Olive	SE	271.38	spk "
Palm	SW	277.24	Hydrant Noz
Quince	SE	279.32	Iron pin 6" from cor
Redwood	SE	282.09	Spk ground 3' east of cor
Spruce	SE	282.97	Cop tac on top of White Stake 5' East of Cor
Thorn	NE	281.48	Iron pin ground 4 ft E of cor
Upas	NE	287.94	Spk ground 3 ft E of cor
Ferry	S.W	285.02	" in Electric pole
Brooks	SW	280.19	" " " "
Anderson	SE	278.00	" " Blk cor
Thornton	SE	282.57	Spk in Electric pole
Evans	SE	288.29	" " Blk cor
Robinson	NE	289.60	" " " "
University	SW	289.88	" " " "

SIXTH STREET

Date	SE	142.343	spk cor post
Cedar	SE	125.27	spk top of 6"x8" post
Beech	NE	122.36	copper tack Blk cor
Ash	NE	105.48	spike in Brick wall
A	S.W	78.76	spk cor" fence cor fence
B	NE	58.445	spk tel 20' E of Cor
C	SE	57.42	Hydrant Noz
D	SE	52.07	Hydt Noz (West side)
E	SE	44.56	Top Hydt hinge
F	SE	37.595	Hydt Noz
G	SE	33.620	N. End hydrant hinge
H	SW	26.05	Hydt Nozzle
I	SE	10.79	" "
J	SE	13.74	Shoulder to nozzle of hydt.
K	SE	8.321	Shoulder to nozzle of hydt.
L	NE	3.91	Spk in corner
Park Pl	SW	289.296	Spk at cor
Douglass	NW	284.85	"
Brooks	SW	247.75	"
Anderson	SW	284.48	"
Thornton	SW	286.49	" "
Evans	SW	286.75	" "
Robinson	NW	287.17	"
University	SW	286.253	Spk at Block cor
N.W cor Park		288.69	Elevation NE cor stone monument N.W cor City Park

SEVENTH STREET

Date	SE	159.473	Iron pin 10' S of cor {3 ft S of Park line & 3 ft E of property line}
Cedar	NE	160.940	spk near cor
Beech	NE	157.160	top of cor bolt in stone wall
Ash	SE	133.919	N End of hydrant hinge
A	NW	96.228	Spk ground 2" fr cor
B	NE	63.350	spk in flume S of teleg
C	NE	61.344	NW cor of rim under lid of hydrant
D	SW	54.810	N End hydrant hinge
E	SW	45.046	Spk top guard post
F	SE	43.136	N End hydrant hinge
G	NW	37.610	spk tel
H	SW	27.63	N. End of hydrant hinge
I	SE	20.863	Spk guard post
J	SE	16.851	shoulder to nozzle of hydt
K	NW	11.165	Spk in tel pole
L	NE	8.589	S End of hydrant hinge
M			
N			
Park Pl	NW	284.150	Tk top Blk cor
Garber	SW	235.767	Spk on top of cor Post
Thornton	SW	280.422	" " "
Robinson	NW	277.55	Cop tk at Block cor
University	SW	285.448	Spk at Block cor

EIGHTH STREET

Date	SW	165.633	on Corner Plug
Cedar	NW	160.28	spk in ground SE of cor
Beech	NW	139.62	spk in sidewalk
Ash	SE	132.36	spk cor post
A	SE	103.055	Spk tel
B	SE	66.072	N End hydrant hinge
C	S.E.	64.34	Nozzle of Hydt.
D	SE	57.765	Shoulder to nozzle of hydt
E	NE		
F	S.E	44.65	Hydrant Guard Post
G	S.E	38.130	Top Hydrant Nozzle
H	SE	31.020	N End of hydrant hinge
I	SW	25.039	" " " "
J	SE	20.868	spk in porch 2" from cor
K	SE	16.137	N End of hydrant hinge
L	NW	9.114	Spk in tel pole
M	NE	6.150	ow hydrant nozzle
N			
Park Pl	NW	241.805	Tack in Plug 6" S W of cor
Garber	NW	235.10	Tack in top of Block cor
Thornton	NW	251.93	Cop tk top of " "
Robinson	SW	272.24	" " " "
University	SW	283.750	cop Tack top of Block cor

NINTH STREET

Date	SW	159.148	spk near cor
Cedar	SE	148.423	spk 3" N.W. of stone wall
Beech	SW	120.003	NE cor of stone monument
Ash	SW	107.581	spk 4" NE of stone wall
A	SE	83.468	Hydrant Noz
B	NW	67.992	Spk in Tel Pole
C	NE	68.12	on top concrete post
D	SW	62.123	N hinge of hydrant
E	SE	57.764	Spk cor post
F	SW	50.263	S Hydrant Noz
G	SE	43.718	spk cor post
H	S.E	34.065	spike in post
I	S.E	29.568	spk post
J	SE	22.464	spk cor building
K	SE	17.372	spk cor post
L	NE	12.280	Spk in SW cor of sidewalk
M	SW	4.690	Spk in brace pole abt 10' S W of cor
N	SE	2.425	Spk fence cor
Park Pl	NE	188.15	Tack top of Block cor
Garber	SW	202.87	Spk 6" SW of cor
Thornton	NW	223.16	Cop tk in Blk cor
Robinson		266.89	Bolt head South side of 2nd Bent from E end Bridge
University	NW	283.140	Plug at cor

TENTH STREET

Cedar	S.E.	121.983	on blk cor
Beech	NW	111.345	Spk in stone under bank at cor
Ash	S.E.	77.708	spk in flume on thrust side
A	NW	72.970	spk in fence
B	S.E.	76.852	North cut Hydt hinge
C	S.E.	74.552	N End of hydt hinge
D	S.E.	68.751	spk cor post
E	NW	62.321	spk guard post
F	S.E.	54.13	N End Hydt Hinge
G	SW	44.056	Spk cor post
H	S.E.	40.63	N End hyd hinge
I	NE	37.078	cop bee
J	SW	26.488	Shoulder to nozzle of hydt
K	NW	20.075	spk tel
L	NW	14.187	"
M	NW	8.503	"
N	SW	3.796	spk fence cor
Park Pl		263.005	Top Stake SE cor W.L. of P.L. 1/24
Park Ave	NE	270.025	on corner plug
Myrtle "	S.E.	218.580	
Garber	NW	236.513	
Cyprus	NE	280.323	
Oak	NE	259.516	
Olive	NE	282.838	
Essex	S.E.	284.935	
University		281.200	S.E.

ELEVENTH STREET

A	S.E.	90.1428	spk cor fence
B	NW	84.486	spk cor post
C	NW	80.281	spk cor post
D	SW	74.854	top cor iron post
E	NE	67.03	N. Hingi Hydrant
F	NE	58.57	Hydrant Nozzle 64.0 67
G	S.E.	30.06 5	N. Hydrant Hingi
H	SW	42.83 3	Spike in tele pole
I	NW	41.981	cop top rail
J	S.E.	30.648	spk cor post
K	SW	21.245	spk guard post
L	NE	15.899	
M	NW	5.981	" " "
N	S.E.	4.981	" " "

TWELFTH STREET

A	SW	105.306	Spk fence cor
B	SW	99.750	N.E. bolt base of elec mast
C	SE	85.77	base of NW cor of iron fence post
D	NE	73.355	" " SW " " " " "
E	NW	62.790	on top of cor of iron fence post
F	SW	59.101	Spk cor of fence.
G	SW	53.491	spk fence cor
H	SW	49.08	spk SE cor of teleg
I	SW	43.966	N end of hyd hinge
J	NE	36.899	cop bse fen 9" E of cor
K	SW	21.665	S end of hyd hinge
L	SW	9.371	spk fen post
M	SE	4.995	cop on window sill 2' E of cor
N	SW	0.85	NE cor of monument

THIRTEENTH STREET

A	SW	112.328	Iron pin 10' SW of cor
B	SE	90.980	nail on top of tall iron fence post
C	NE	68.989	spk in fence post
D	NE	56.962	cop tack SW cor of veranda 50' E of cor
E	NE	59.141	spk on top of concrete wall 8' NE of cor
F	SW	62.121	spk cor of house
G	SW	53.028	spk NE cor elec RR pole
H	SE	50.063	NW Bolt elec mast
I	SW	45.234	cop tack fen
J	SE	33.627	spk fence cor
K	SW	12.630	cop water table NE cor of store
L	NW	4.845	spk in tree
M	NW	1.188	spk fen post
		1.664	spk on top of center cap N side of C R R bridge
N	NW	14.145	cop tack in tie point flg 10' NW of cor

FOURTEENTH STREET

A	NE	138.856	spk hitch post
B	SW	108.108	Cop top S gate post
C	SW	66.786	spk fen post
D.	SW	57.56	spike in fence post
E	NW	53.133	Spike fence post
F	SW	51.51	Nozzle Hydrant
G	NE	47.871	Spk post
H	SE	47.19	Swd hyd and hinge
I	NW	40.189	Cop tack top fence rail
J		22.13	Spike top bridge pil Bridge Near N W cor
K		15.422	Spike second hand rail post N W cor Bridge
L		8.875	" top center cap S. side N.C.I.R.R. Bridge
M	NE	7.256	" Car house
N	NW	2.194	" guard post

FIFTEENTH STREET

A	NW	95.177	Spike ground 6" car NW
B	NW	100.542	" tel pole
C	SW	82.114	" car post
D	NE	58.42	spike in fence post
E	Cent	88.697	Center Knob Manhole cover
F		40.471	Spike tp first wing pil NE cor Bridge
G		34.533	" Center wing pil SE wing Bridge
H			
I	NE	25.637	Spike Post
J	SW	21.511	Cop tack Water table house
K	NW	17.319	" " " " "
L	SW	11.179	Spike Post
M	SW	4.669	" "
	NE	3.802	" "
N	NW	0.678	" "
	NE		

SIXTEENTH STREET

A	SW	104.775	Spike gutter 10'S of cor
B	NE	75.953	" tel pole
C	SE	60.43	cor tack board fence
D		36.01	spike driven in post Handrail S side fr E end Bridge
E	NW	42.40	Cor tac plug near cor
F	NW	51.979	Spike in post
G	SW	38.424	" " "
H	SE	37.61	Watered of hing hydrant
I	NE	31.965	Cor down fill
J	SW	28.84	" " " Store
K	SE	30.10	West hinge of hyd
L	NW	21.75	spike cor post
M	SE	18.14	Nozzle Hydrant
N	SE	12.95	N Hinge Hydrant S 20 Lts Logan ave

SEVENTEENTH ST

A	SE	96.497	Spike tel pole
B	SW	69.940	cor tack plug
C	SW	52.238	Spike cor fence post
D	SW	53.150	Cor tac plug 20"S.W cor on Spike
E	NW	97.669	" " " 2' NW cor
F	NW	79.3	spike 2'N cor
G	SW	49.954	Spike top fence rail
H	SW	38.845	" tel pole
I	NW	40.801	cor tack top fence rail
J	NW	42.124	Spike cor post fence
K	NW	40.15	" tel Pole
L	NE	43.266	Cor tac fence rail
M	NE	37.662	Spike tel pole
N	SE	19.153	" " "

EIGHTEENTH ST

A	SW	83.469	Spike cor post fence
B	SE	68.961	two cop tacks top rail of fence
C	NE	57.116	cop tac water table house
D	SW	84.01	plg close to Bank 10' W cor.
E	NE	90.115	" " "
F	NE	65.985	" " top post
G	SE	63.129	" " Water table NW cor church
H	SW	49.469	Spike tele pole
I	SW	53.309	" Cor buldg
J	SE	59.975	cop tac top fence post
K	SE	57.686	" " " " "
L	NW	54.221	" " " " "
M	SE	48.655	" " between two spikes top of fence
N	SW	23.837	Spike post

NINETEENTH ST

A	NW	60.448	Iron Pin in ground in Valley 10' W of ditch
		85.68	Spike cor fence post S of Main road
B	SW	60.516	Cop tac fence post top
C	S.E	66.780	5 tacks end of curb
D	SW	93.204	" " "
E	NE	83.364	Cop tac plug 28" cor
F	NE	84.590	" " top fence post
G	SW	76.09	nozzle Hydrant
H	SW	66.13	Spike tel pole
I	SE	73.680	Cop tac fence rail
J	NW	67.750	Spike cor post fence
K	SE	71.119	top of Ball cor fence post
L	SE	64.022	Cop tac base board fence
M	NE	63.250	Spike cor post fence
N	SW	27.382	Cop tac water table
	NE	34.256	Spike 1' N of cor

TWENTIETH ST

A	SW	66.166	Spike in fence SW Cor corral
B	SW	77.938	Spike top bulk head post
C	SW	87.04	5 tacks in curb
D	SE	92.646	" tac " 8' " "
E	NW	94.382	Spike in Post
F	NW	101.011	cop tac top rail
G	SW	94.812	cop " Stake 6' S of Cor
H	SW	86.067	East end hinge hydrant
I	NE	88.391	Spike fence post
J	SW	88.306	Spike fence post
K	SW	85.563	Bolt top of fence post
L	NW	75.994	cop tac Stake 6' Cor
M	NW	60.623	Spike fence post
N	NE	39.26	cop tac plug 10' NE of cor

TWENTY-FIRST ST

A		90.437	Spike post SE Cor Corral
B	NW	117.540	cop tac plug
C	SE	114.97	5 iron tacks end of curb
D	SW	109.401	" " plug 9' SW " "
E	NE	119.891	Spike fence post
F	NW	119.326	cop tac 2 x 6 in table horse
G	SW	113.850	" " top fence post
H	SW	99.919	Spike tel pole
I	SE	97.571	" " "
J	SW	98.246	" Guy post
K	SE	94.485	" tel pole
L	NE	79.524	" " "
M	NE	56.362	" " "
N	NE	45.196	" " "

TWENTY-SECOND ST

A	SW	146.074	Iron pin ground near Walk
B	SW	143.420	Cop. Bldg.
C	NE	140.99	Iron back end curb.
D	SW	142.454	Spike top Post
E	SW	140.453	Cop. tac Cp. Post
F	SW	138.213	Cop tac plug 4' ew
G	SE	130.833	Cop tac fence post Ball
H	SE	115.205	Cop in top fence post
I	NE	108.156	Spike fence post
J	NW	103.968	Spike ew barn
K	NW	103.456	cop tac top post
L	SW	73.344	Cop tac plug 4' ew
M	NW	55.402	Cop tack Stake 12' ew
N	SW	47.627	Spike School house

TWENTY-THIRD ST

A		164.905	Iron pin in plug near center
B	SW	162.347	Cop. tac plug 10' SW tel pole
C	NE	164.02	spike in N end Return curb
D	SW	162.44	Spike fence post
E	NW	154.950	Spike top fence post
F	NE	157.581	Cop tac plug 15"
G	SE	137.333	Cop tac plug

TWENTY FOURTH ST

A	SE	176.658	Spike plug
B	NE	184.619	Cop tac plug 2' cor
C	SW	178.38	tack N end lower step
D	NW	174.166	Cop tac plug 7' point
E	SE	172.247	Spike fence post
F	NE	158.347	Spike fence post
G	SW	145.34	on nozzle of Hydrant
H	NE	131.103	Spike fence post
I	NW	111.474	Spike fence post
J	NE	102.464	Spike fence post
K	SW	80.947	cop tac Water table Store
L	NW	67.862	Spike fence post 6' West
M	NW	60.527	Cop tac Water table house
N	NE	50.637	Spike telegraph pole

TWENTY FIFTH ST

A	SW	199.043	Spike plug
B	SE	195.022	Spike plug
C	SE	188.389	Spike plug
D	SW	187.28	spike 7' W corner
E	SW	187.843	Spike fence post
F	NW	185.687	Spike fence post
G	NW	177.10	copper tack top of post
H	NW	158.02	spike tele pole
I	SE	127.433	Spike fence post
	SW	129.503	Spike fence post
	SW	97.566	Spike ground about 6' SW cor
J	NE	105.392	Spike sill of house
K	SW	75.505	Spike plug Blk cor
L	NW	67.345	Spike plug Blk cor
M	NW	62.45	Spike plug Blck cor
N	NW	55.303	Spike plug Blck cor

TWENTY SIXTH ST

A	NE	204.565	top plug cor
B	NW	198.705	cop tack top fence post
C	SW	198.692	top of Plug
D	SW	195.326	top of Plug
E	NE	191.440	top of Plug
F	NW	180.631	cop tac plug 16" NW cor
G	NE	179.185	cop tac Plug 13" NE cor
H	SE	162.057	cop tack Plug 9"
I	NE	150.892	Spike Plug 15"
J	SE	138.395	Spike Plug 13"
K	NE	96.115	Spike post
L	SW	71.184	tack in plug
M	NE	64.041	Spike in Stake 6"
N	NW	57.623	Spike plug
O			
Union Av			
Olive	NE	62.949	Spike fence post
Nat'nal	SE	49.428	Spike tel
Grand		?	
Boston	NE	29.862	Spike Plug
Topeka		21.825	Bent Round spike tel pole 190S of Topeka Ave
Colton		0.974	Round Spike NW wing 540' west of Whitney

TWENTY-SEVENT ST

A	NW	211.279	top of plug
B	NE	203.300	Cop tack top of plug 23" cor
C	NW	200.955	top plug
D	NW	199.731	cop tack plug 21" cor
E	SE	189.214	two cop tacks 16" cor
F	NE	177.874	cop tac plug
G			
H	NE	138.662	cop tack Stake
I	NW	137.432	cop tack plug 10" cor
J	NW	148.799	cop tack plug 12" cor
K	NW	110.028	Spike fence post
L	SW	77.786	tac top fence 18.0' west of cor
M	SW	66.652	Spike plug 1'
N	NW	64.163	Spike Blk cor plug
Union Av	SE	65.473	Spike cor Barn
Olive	NE	62.398	Spike fence post
National	SE	52.712	Spike tel pole
Grand			
Boston	SE	33.184	Spike plug 2' west
Topeka			
Colton			

TWENTY EIGHTH

A	SE	207.681	Brass pin ground
B	NE	201.116	Cop tac plug 8" cur
C	SE	179.806	Cop tack plug 18" cur
D	NE	161.888	Cop tack plug 8" cur
E	NE	163.174	Cop tack Slate 6" cur
F	NE	147.091	Cop tac Slate 6" cur
G	SE	123.529	Cop tack Slate 8" cur
H	NW	105.210	Cop tack Plug 8" cur
I	SW	97.693	" " " 8" "
J	NW	86.472	" " "
K	SE	80.956	" " "
L	SE	78.490	Brass Spike plug 15"
M	SE	71.496	Spike plug 14"
N	NE	69.226	Spike 4' NE of cur
Webster			
Clay	SE	74.186	Spike 10' S of cur in ground
Sargent		72.236	Spke in ground about 265' N of Clay Avenue
Woolman			
Valle			
Union	NW	72.426	Spike tel Pole
Everett			
Franklin	NE	85.321	Spike tel Pole
Grant	SE	93.162	Spike in ground 33 SE of cur
Harrison	SW	81.182	Spike tel pole near RR curve
Interocean	NW	75.612	Spike tel 20' S of cur

TWENTY EIGHTH ST

Olive Av	SW	64.749	Spike 6" cur
National	SE	57.375	Brass pin in ground 6" cur
Grand	SW	51.088	Spike tel Pole
Boston	SW	42.176	Brass Pin 6" cur
Topeka	SW	27.445	Brass Pin 10" cur
Cotton		12.780	Spike in tel pole west of 28th St
Wharf		-0.314	Spike first Cop west side wharf

abt 5' E of E line of 28th Street

TWENTY NINTH ST.

A	NW	198.449	Iron pin ground 6" cor	
B	SE	178.804	Cop tack plug 6"	cor
C	SE	171.258	Cop tack plug 8"	"
D	NW	190.629	Cop tac plug 6"	"
E	SE	162.520	Cop tac Stake 10"	"
F	NE	142.117	Cop tack plug 5"	"
G	NW	126.382	Cop tack plug 12"	
H	SE	104.789	Cop tack Plug	
I	NW	130.698	Cop-tack Plug	
J	SE	82.423	Spike fence post-	
K	SW	77.506	Spike Plug 16" cor	
L	NW	76.381	Spike Plug 13" cor	
M	SW	70.701	Spike Plug 14	
N				

Webster

Clay

Sargent

Woolman

Olive

National

Grand

Boston

Topeka

Colton

THIRTIETH STREET

A	SW	226.27	Iron pin ground 6" cor
B	SW	215.260	Nail in Stake 9" cor
C	SW	189.057	Iron pin ground 6" cor
D	SW	194.083	Iron pin ground 6" "
E	NW	187.491	Iron pin ground 5"
F	NW	171.531	Iron pin ground 5"
G	NW	157.115	Iron pin ground 3" cor
H	SE	149.503	Spike plug
I	NE	96.735	Spike top witness Stake
J	NE	75.004	pin in ground 6" East-
K		72.247	Spike in plug 6" East of Pillar
L	SE	72.944	Iron pin 6" Cor
M	SW	75.000	Spike Stake
N		71.745	Spike in cor between 29th & 30th 60' N of MST RR

Webster

Clay

Sargent

Woolman

Valle

Martin

Greeley

Olive

National

Grand

Boston

Topeka

Colton

THIRTY-FIRST ST

A	SE	225.28	on Plug
B	NE	212.297	on plug
C	SE	166.281	Cop tac on plug
D	SE	147.853	Spike on Post
E	SW	180.538	Spike on Post
F	NW	156.156	Cop tack Stake one foot on
G	SE	132.644	Cop tack Stake 9"
H	SE	98.995	Cop tack Stake 17"
I	NW	82.000	cop tack top Plug
J	NW	76.895	Cop top Plug
K	NE	77.929	" top Plug
L	NW	76.859	" top Plug
M	SW	75.825	" Top Plug
N	NE	75.61	" top Plug
Webster			
Clay			
Sargent			
Woolman			
Valle			
Martin			
Greely			
Olive			
Nat			

✓

THIRTY-FIRST ST

Olive
National
Grand
Boston
Topeka
Colton
Bay
Day

THIRTY SECOND ST

A	SW	175.33	Cop Tack in Plug W. cor		
B	SE	176.88	Nail in Plug		
C	NE	168.40	Cop tk in Stake		
D	SE	146.80	" " Plug 8" SE of cor		
E	NW	115.93	" " " 6" NW "		
F	SW	94.21	" " " 1" SE "		
G	NE	80.03	" " "		
H	SE	82.72	on Plug		
I	NE	83.39	" "		
J	SE	84.16	" "		
K	NW	81.85	" "		
L	SE	78.24	" "		
M	SE	74.18	" "		
N	NW	73.29	" "		
Webster					
Clay					
Sargent					
Woolman					
Valle					
Martin					
Greely					

THIRTY SECOND ST

A				
B				
C				
D				
E				
F				
C				
Olive	NE	49.79 ?	Tack in Base board ? (Hamlin)	
Nat'nal				
Grand				
Boston				
Topeka				
Colton				
Bay				

33rd

A	SW	157.00	Top of old Plug
B	NW	135.61	Cop tk in Plug W. Cor
C	SW	117.55	" " Stake
D	NW	106.90	on Plug
	SE	109.50	Spk top Fence Post
E	SW	95.38	on top Post
	SW	91.07	Spk in Post
F	NW	93.43	on top Post
	NW	90.14	Spk in Post
G	W	73.47	on Stake at Station 5+70

274.736

ALBATROSS STREET-

Fir				
Grape	NW	105.644	Iron pin 6" fr cor Post	
Hawthor	SE	134.425	Hydrant Nozzle	
Ivy	SW	151.220	Cop tack in Post at cor	
Juniper	SW	156.664	" " in Block cor	
Kalmia	NE	179.561	Spk in Tph cor Post	
Laurel	SE	190.908	" " Elec Pole	
Maple		179.051	Cop tk in Center Plug	
Nutmeg	SE	108.313	" " Block cor	
Olive	SW	202.940	Cop tk " "	
Palm	NE	214.713	" " Plug NE of Block cor	
Quince	NE	166.536	" in Block cor	
Redwood	NE	158.996	" " " "	
Spruce	SE	187.037	" " " "	
Thorne	NE	189.416	" " " "	
Upas	NE SE	248.16 239.967	" " " " Spk in ground 6" " of cor.	
Ferry				
Walnut	SE	249.632	Spk " 3" SE of cor	
Brooks	NE	246.185	Spk in Block cor	
Thornton	SE	253.771	" " "	
Robinson	SW	265.047	" " "	
University	SW	223.27	" " "	

BRANT STREET

Hawthorne				
Ivy	SE	125.285	Spk ground	W. Stone wall
Juniper	SW	125.686	Iron pin 6" SW of cor	
Kalmia	SW	132.480	"	W cor
Laurel	SE	155.799	Spk in Elec Pole	
Maple	SW	132.098	Cop tk in Block cor	
Nutmeg	NW	184.405	" " Plug 4" fr cor	
Olive	SE	193.276	" " Block cor	
Palm	NE	125.541	" " " "	
Quince	SW	176.769	" " " "	
Redwood	NW	199.461	" " " "	
Spruce	NW	227.661	" " " "	
Thorne	SW	245.142	" " " "	
Upas	SW	242.531	Iron Pin 6" SW of cor	
Ferry				
Walnut				
Brooks				
Thornton				
Robinson	NE	262.712	Spk at Block cor	
University				

CURLEW STREET

Juniper				
Kalmia	114.011	SE.	Top of White Block cor	
Laurel	145.775	SE	Cp of tk in Block cor	
Maple	93.669	NW	" " " "	
Nutmeg	129.008	NE	" " " "	
Olive	98.211	NW	" " " "	
Palm	118.612	SE	" " " "	
Quince	202.190	NW	Spk in cor Post	
Redwood	211.961	NE	Cp of tk in Block cor	
Spruce	213.757	NW	" " " "	
Thorne	246.629	NE	" " " "	
Upas	173.218	NE	Iron pin 6" NE of cor	
Ferry				
Walnut				
Brooks				
Thornton				
Robinson				
University				

DOVE STREET

Nutmeg		101.935	on Centre Plug
Olive	NW	127.366	Cp of tk on Block cor
Palm	NE	144.037	" " " "
Quince	NE	158.476	" " " "
Redwood	NE	148.004	" " " "
Spruce	NW	171.408	" " " "
Thorne	NW	156.265	" " " "
Upas		134.497	Spk in NE cr of Slaughter House.

EAGLE STREET

Palm	94.503	NE	Cp tk	in Block	cor
Quince	99.390			on Centre	Plug
Redwood	113.049	SW	Spk	W corner	
Spruce	101.350	SW	"	"	"
Thorne	111.734	NW	Cp tk	in Block	cor
Upas	SW 162.058		Spk	at corner	

FALCON STREET

Quince	SE. 103.850		Cop tk	in	Block cor
Redwood	NW 118.234		"	"	" "
Spruce	NW 144.936		"	"	" "
Thorne	SW 168.445		"	"	" "
Upas	SW 186.739		Iron Pin	6"	SW of cor

GOLDFINCH STREET

Redwood	183.977	NW	Cop Hk	in Block	cor
Spruce	162.380	NW	"	"	"
Thorne	199.094	SW	"	"	"
Upas	223.671	SW	Iron Pin	6" SW of	cor

HAWK STREET

Spruce	SW	190.957	Cop Hk	in Block	cor
Thorne	SW	205.723	"	"	"
Upas	SE	236.282	Iron pin	6" SW of	cor

IBIS STREET

Thorne	173.655	SE	Cop. tk in Block on
Upas	187.324	NW	Iron pin 6" NW of cor

JACKDAW STREET

Upas	165.032	on St. Cent. Centre

FIRST STREET

Bean	25.385		Spk in Tel Pole
Emery	24.716		Cop tack in St Center
Harasthy	25.623		" " "
Clayton	15.881	SE	Spk in Tel 30' from cor (South)
Sutherland	11.221		Cop tk in St Centre
Noel	17.188	SE	Spk in corner Post
Estudillo	11.908		Cop tk in St Centre
Wright	10.164		" " "
Bandini	3.302		" " "
Couts	4.809		" " "

SECOND STREET

Emory		40.338	Cop tack in St Centre
Harasthy		37.929	" " "
Clayton		28.632	" " "
Sutherland	NW	25.342	Spk in corner Post
Noel	SW	26.304	" " " "
Estudillo		25.258	Cop tk in St centre
Wright	NE	28.631	Spk in corner Post
Bandini		17.779	Cop tk in St centre
Couts		10.726	" " "
Witherbee		10.25	" " "

THIRD STREET

Clayton	52.264	S.W.	Spk Tel	20' SW of cor
Sutherland	51.242	SW	" "	10' SW of cor
Noel	41.483	NE	" "	
Estudillo	53.316	NE	Spk in Post	
Wright	55.226	NE	" "	"
Bandini	38.159	NW	" "	"
Coults	37.221	NE	" "	"
Witherby	32.009	SE	"	Tel Pole

FOURTH STREET

Noell		76.528	Cop tack in St Centre
Estudillo	SW	76.747	Spk in cor Post
Wright	SE	77.184	" " "
Bandini	SW	79.783	Spk 1' SW of cor
Coults	SW	70.991	Spk in cor Post
Witherby	SW	60.006	" " " "

FIFTH STREET

Noell	142.486	Spk	in corner Post	
Estudillo	128.075	Cop tk	in St Centre	
Wright	151.099	"	"	"
Bandini	136.377	"	"	"
Coutts	141.575?	"	"	"
Coutts	142.63	(Hamlin)	"	"

ATLANTIC ST

Harasthy	10.962	Cop tack	in Centre Plug
Clayton	5.807	"	"
Sutherland	1.229	"	"
Noell	1.278	"	"
Estudillo	- 0.910	"	"
Wright	- 1.961	"	"
Bandini	- 3.773	"	"
Coutts	- 5.396	"	"

Old Town boundary.

Arista	- 1.62	Centre Plug
Harney	- 1.28	" "
Twiggs	2.53	" "

SOUTH 19TH STREET

Milton					
Newton					

SOUTH 20TH STREET

Logan				
Milton	N	2.636	Spike Ground 10' N Cor	
Newton	NW	1.793	Spike top fence post 100' W.	
Oliver				

SOUTH 21st STREET

Kearny	NE	19.094	Spike fence post-
Logan	S	31.79	North hinge of Hydrant
Milton	NE	25.548	Spike tel pole
Newton	NE	20.528	" " "
Oliver	NE	20.702	" fence post- 100' E
Pierce		9.240	" E cur

SOUTH 22nd STREET

Julian	SE	48.433	Cut Stake 14" cur
Kearny	SE	46.765	Spike tel pole
Logan	NE	44.03	N. Hinge Hydrant
Milton		35.73	spike 20' N cor W
Newton	SE	29.428	Cut bac Stake mon cur
Oliver	SE	17.234	Cut bac Stake
Pierce	N	15.356	Spike ground 100' west of new

SOUTH 23rd STREET

Harrison			
Inter Ocn	NE	56.804	Spike fence post
Julian	NW	52.539	Cop tack plug 1"
Kearny	NW	47.519	Cop tac plug 16"
Logan	S.W	45.18	N Hydrant Hinge
Milton	SE	37.40	spike S W, tel pole
Newton	NE	34.905	Cop tac base board fence
Oliver	NW	23.703	Cop tac plug 2' N of fence
Pierce	E	15.881	Spike in grass 100' E of E Cor

SOUTH 24th STREET

Grant	SW	88.987	Cop tack plug
Harrison	SE	69.004	Spike in tel pole
Inter Ocean	NW	73.714	Cop tac plug 15"
Julian	SW	60.077	Cop tac plug 14"
Kearny	SE	54.014	Spike fence post
Logan	S.W	50.61	N hinge Hydrant
Milton	SE	39.955	Spike tel pole
Newton	NE	33.013	Cop tack plug 1"
Oliver	NE	25.136	Cop tack plug 1"
Pierce	N	17.064	Spike 10' N of N Cor

SOUTH 25TH STREET

Everett			
Franklin	SW	74.954	Spike fence post-
Grant	SW	102.006	Spike fence post-
Harrison	SW	87.446	Spike tel pole-
Inter Ocn	SE	86.269	Spike fence post 50' East-
Julian	SW	83.212	Spike fence post-
Kearny	SW	69.941	Spike fence post-
Logan	NE	65.36	N. Hinge Hydrant
Milton	SE	52.065	Spike tel pole
Newton	SE	38.245	Spike plug
Oliver	SW	25.707	Spike plug
Pierce	NE	20.551	Spike plug

SOUTH 26TH STREET

Franklin	SW	87.285	Spike corner of cottage. 6' from (SW cor
Grant	SW	92.975	Spike plug
Harrison		95.320	nail in water table of church 3'S Bow
Inter Ocean	SE	97.054	Spike plug
Julian	NW	81.142	Spike Plug
Kearny	NW	72.962	Spike Plug
Logan	SE	66.31	N. Hinge Hydrant
	N.W	61.59	plug 6" pr cor S 26 + Logan
Milton	SE	54.527	Spike tel pole
Newton	NE	40.024	Spike Plug
Oliver	NE	80.025	Spike Plug
		20.701	Iron Pin grdlvl 6'S Blk cor Blk 20
Pierce	E	21.733	Spike in plug E cor Blk 79

SOUTH 27TH STREET

Everitt		64.077	Iron Spk in Plug 6" SE of Stake marked Lot 3 & 39' S of Blk cor 316
Harrison	NW	88.277	Spike tel pole 13' N west cor
Inter Ocn	SE	74.118	Spike Plug
Julian	NW	74.982	Spike Plug
Kearny	SW	67.472	Spike plug
Milton	SE	49.904	Spike tel pole
Newton	SE	34.522	Spike plug
Oliver	NE	27.303	Spike Plug
Pierce		19.676	Spike Plug East cor Blk 74
Railroad			

SOUTH 28TH STREET

WHITNEY'S WHARF		0.314	spike in 1st cap on W side
COLTON	W	12.780	" " telegraph pole.
TOPEKA.	S.W	27.445	iron pin 10" S.W cor
BOSTON.	S.W	42.176	" " 6" " " "
GRAND	S.W.	51.088	" " telegraph pole.
NATIONAL.	S.E	57.71	N.W. Bolt Electric light Mast.
OLIVE	S.W	66.13	copper tack on B.B. of house
IRVING.	N.W	75.612	spike in teleg'h Pole 20" S. cor.
HARRISON.	S.W	81.182	" " " " R.R. curve.
GRANT	S.E	93.162	" " ground 35' SE cor.
FRANKLIN	N.E	85.321	" " teleg'h pole
EVERETT.		72.236	spike in ground 26.5' N clay & 5' E.E. line 21st st.
CLAY.	S.E	78.186	" " " " 10' SE cor clay & 28th st
UNION.	N.W	72.426	spike in teleg'h pole

South 29th St

Grand	N.E.	56.40	Iron pin 6" S.W cor.
National	N.E.	63.89	N. Hinge Hydrant.
Olive	N.E	68.16	spike in fence post
Boston	N.E.	48.98	" 6" S.W cor
Topeka	N.E	Iron	" " " " "

South 30th St

Grand	S.W.	54.54	S.W. spike in Tel pole
National	S.E	65.74	N. Hinge Hydrant
Olive	S.W	69.11	spike in fence post
Boston	S.E	50.45	Ch plug B/K cor
Topeka	N.E.	43.11	" " " "
Colton	S.E.	23.98	" " " "

South 31st St

Grand	S.W	58.19	spike Tele pole
National	N.W	71.97	S.W Hinge Hydrant
Olive	S.W	77.88	spike 1'S cor
Boston	S.W	50.20	" " " "
Topeka	N.E.	44.62	" " " "
Colton		36.04	" 6' S.E cor

South 32nd St

Olive	S.W	55.83	E 50' spike in fence
National	C	61.47	plug street cntr

University Ave.

Fourth	SW	287.63	spike BLK cor.
Fifth.	"	290.0	" " "
Sixth.	"	286.25	" " "
Seventh	"	285.45	copper tack top of cor.
Eighth	"	283.75	" " " "
Nineth	NW	283.14	plug BLK cor.
Tenth	SE	281.20	" " "
Vermont	SW	289.95	" " "
Yale	"	297.09	" " "
Fillmore.	SE	302.57	" " "
Blaine.	SW	304.74	" " "
Lincoln.	SE	314.15	" " "
Campus.	"	344.79	" " "
Park.			
Georgia	NW	320.39	" " "
Florida.			
Alabama	"	306.15	" " "
Mississippi			
Louisiana			
Arizona.	SW	334.18	
Texas.			
Calif.			
Oregon.			
Idahoe.	"	377.25	" at cor.
Utah.			
Kansas.			
Nebraska.			
Ohio.	SW	363.59	plug at cor.
Illinois.			
Iowa.	"	371.96	" " "
Missouri.			

49.265
328
52545
43
9
452
7.34

L

484
160
46840
52554
574

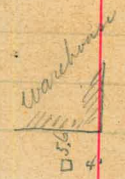
MISCELLANEOUS

The initial bench of San Diego is on the Horton Bank Bldg Cor 3rd & D Elevation 40.000
The difference between the city datum, 1.5' above extreme high water, and the government datum, the mean of the lower low tides is 8.854 feet

Reservoir	- 1.46	East of Iron Bolt at S cor of Reservoir
	263.005	Top of Stake SE cor of W½ of Pueblo 1124

			BM.
	4.86	121.73	116.93
N W Cor Cobble	3.27	Concrete curb	118.46
S W Cor " "	6.07	on ground	115.66
N E " "	2.95	Wooden sidewalk	118.78
T.P. on Cement curb	11.02		110.71
	0.26	110.97	
Grade peg.	0.18		110.79
" "	3.54		107.43
on curb	3.45		107.52
Tingley, Blk.	10.20		100.77
	10.2	111.045	BM 100.84
	3.955		107.09
Rail car track center of track	4.30		107.74

	NW	NE	SW	SE
~~Hwy~~	205.5	206.5	205.0	206.0
~~Hqw.~~	195.5	195.5	194.5	194.5
Jun.	213.0	214.0	212.0	213.0
Kal.	225.0	226.0	223.0	224.0
Laurel	242.5	243.5	241.0	242.0
F + atlantic	BS	HI		
BM				0.471
	4.58	5.051		
Stone at warehouse			6.98	-1.929
F + atlan				
BM				0.471
	5.65	6.121		
Nails E side Sores Whf. 480' from shore			4.686	1.435



11.49
7.58
3.91
2.49
1.42

0.466
4.58
5.046
6.98
1.94

6.98
5.046
1.834

0.466
5.65
6.116

1.43
1.834
3.264

10.90
7.58
2.32

11.49
10.9
.59

2.64
1.43
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2.64
.59
2.05
1.43
73

10.90
7.58
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1.43
1.83
2.26

117.134
7.40
109.734

116.934
0.2
117.134
6.35
110.834

117.134
9.00
107.484

117.134
10.40
106.734

117.134
16
115.534
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117.134
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− 0.39

1170
98.5
300 | 18.5
6.167
117.0
110.833

3336
3731
107

98.50
9.25
107.75
5
107.25
9
18

107.75
3.08
3.19
11

134.925 Abs. on Hydr 107.5
103.230 NE. side in ground.

107.75
107.09
.64

TRAVERSE TABLE FOR TRANSIT BOOK,

From 1° to 90° for a distance of 100.

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

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