37

FIELD BOOK.

F.B.37

37

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

MICROFILMED
DEC 4 1964

Sta 41 3° 33'
53° 40'

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

MICROFILMED
DEC 4 1964

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Levels over sewer in alley in blk and 25th St. line of stakes 3' north of centre

Sta	+	HI	−	Elev
B.M.	11.47	169.82		158.35
1			4.31	165.51
+50 #	9.91	179.04	0.69	169.13
2			8.87	170.17
+50			7.12	171.92
3			4.69	174.35
+50 #	8.90	186.04	1.90	177.14
4			7.42	178.62
+50			6.38	179.66
5			5.88	180.16
+50			5.08	180.96
6			3.81	182.23
+50 #	4.54	188.78	1.80	184.24
7			6.01	182.77
			10.85	177.93
#	3.22	186.47	5.53	183.25
B.M.			3.02	183.45

No Good

Breed & chasers add bet 24th & 25th of alley Apr 10/1892 Hamlin & Party.

24th & F Street

East line of 24th St

25th St

No Good

West line of 25th St.

Top of footing in in cellar

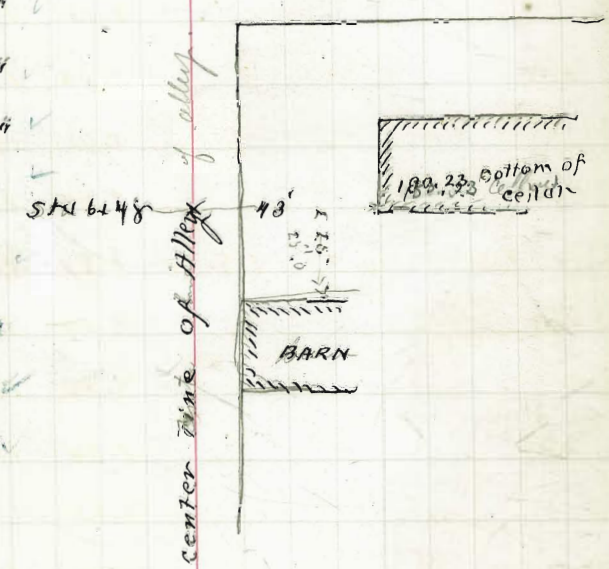
over sewer outlet.

B.M. 25th & F St.

Breed & chase's add bet
Hamlin & Party Apr 10. 1892

LEVELS over SEWER LINE IN ALLEY IN BLK
6 BREED & CHASE ADD

StA	+	HI	−	Elev	Grade	Cut	HAMLIN & PARTY APR 10 1893
							24 H & C
BM	11.44	169.79		158.35			
1			4.24	165.55	159.00	6.55	= 6' 7"
+50 T.P.	11.16	180.30	0.65	169.14	161.08	8.06	8' 1"
2			9.31	170.99	163.17	7.82	7' 10"
+50			7.56	172.74	165.25	7.49	7' 6"
3			5.13	175.17	167.33	7.84	7' 10"
+50			2.34	177.96	169.42	8.54	8' 6"
4 T.P.	10.27	189.70	0.87	179.43	171.50	7.93	7' 11"
+50			9.24	180.46	172.80	7.66	7' 8"
5			8.73	180.97	174.10	6.87	6' 10"
+50			7.94	181.76	175.40	6.36	6' 4"
6			6.65	183.05	176.70	6.35	6' 4"
+50			4.64	185.06	178.00	7.06	7' 1"
7			3.18	186.52		7' 5" average cut	
			9.47	180.23			
T.P.	4.16	189.71	4.15	185.55			
BM			3.95	185.76	185.68		



Top of Footing over sewer outlet basement

180.23
178
2' 3'

Sta	+	HI	−	Elev		
B.M.	7.38	179.63		172.25		24th & E St.
#	8.79	185.54	2.88	176.75		
B.M.			5.40	180.14		24th & C, S.W. cor. of lot.
#	5.30	187.16	3.68	181.86		
B.M.			2.53	184.63		
			6.75	180.41		Top of flush tank, cover 25' S of B.M.
			7.90	179.26	179.75	−.49
			2.90	184.26	180.75	+3.51

X sec's of 24th St from N line of D St to S line of B Street

Apr 12 1892 Hamlin & Paty

STA	WEST	CURB	CENTER	CURB	EAST	+	HI	−	Elev. 174.87
B.M D & 24th St.			185.3			10.25	185.32	correct	175.07
	175.1	175.6	177.3	178.8	179.4				
0 0	10.2	9.7	8.00	6.5	5.9				
	176.1	176.3	178.2	179.8	181.0				
+50	9.22	9.0	7.1	5.5	4.3				
	176.8	177.1	179.3	180.6	181.4				
1	8.55	8.2	6.0	4.7	3.9				
	177.2	177.7	179.4	180.2	181.0				
+50	8.11	7.6	5.9	5.1	4.3				
	178.0	178.8	180.3	181.1	182.3				
2	7.3	6.5	5.0	4.2	3.00				
	179.0	179.7	181.0	181.7	183.2				
+50	6.3	5.6	4.3	3.6	2.11				
	179.5	180.5	181.3	182.7	183.8				
3	5.8	4.8	4.0	2.6	1.5				
+40 0									
B.M.			187.6			7.50	187.64	5.18	180.14
	179.3	180.0	182.1	183.3	184.2				
0	8.3	7.6	5.5	4.3	3.4	North line of C St.			
	179.0	179.6	182.0	183.4	185.1				
+50	8.66	8.00	5.66	4.2	2.5				
	179.0	179.3	182.3	183.4	184.6				
1	8.6	8.3	5.3	4.2	3.00				
	179.8	180.4	182.0	184.0	185.2				
+50	7.8	7.2	5.66	3.6	2.4				
	180.7	181.1	182.7	184.0	185.6				
2	6.9	6.5	4.9	3.66	2.00				
	180.6	181.3	183.3	184.6	185.6				
+50	7.00	6.3	4.3	3.00	2.00				
	179.6	180.7	183.0	184.3	185.0				
3	8.0	6.9	4.66	3.3	2.6	South line of B St			
B.M.						B & 24th STREET		3.04	184.60

CUT & FILL STAKES ON 24th STREET BETWEEN 'D' STREET & "C", & "B" STREET

West Elev	Grade	Cut	East Elev	Grade	Cut	Station
175.10	176.00	+0.10	179.40	176.00	+ 3.40	0 NORTH LINE OF D ST STREET
176.10	175.75	+0.35	181.00	176.75	+ 4.25	+ 50
176.80	176.50	+0.30	181.40	177.50	+ 3.90	1
177.20	177.25	0.0	181.00	178.25	+ 2.75	+ 50
178.00	178.00	0.0	182.30	179.00	+ 3.30	2
179.00	178.75	+0.25	183.20	179.75	+ 3.45	+ 50
179.50	179.50	0.0	183.50	180.50	+ 3.30	3
						+ 40 CENTER OF "C" STREET
179.50	179.50	- 0.0	184.20	180.50	+ 3.70	0
179.00	179.67	- 0.67	185.10	180.67	+ 4.43	+ 50
179.00	179.83	- 0.83	184.60	180.83	+ 3.77	1
179.80	180.00	- 0.20	185.20	181.00	+ 4.20	+ 50
180.70	180.17	+ 0.53	185.60	181.17	+ 4.43	2
180.60	180.33	+ 0.27	185.60	181.33	+ 4.27	+ 50
179.60	180.50	- 0.90	183.00	181.50	+ 3.50	3 South SOUTH LINE OF B STREET

ELEVATION OF CEMENT WALKS ON 5TH ST

STA	WEST ROD	WEST ELEV	EAST ROD	EAST Elev
		(60.29)		
0	5.64	54.65	5.75	54.544
+50	3.82	56.47	3.92	56.377
1	2.06	58.23	2.03	58.266
+50	0.20	60.27	0.13	60.16
		(69.05)		
2	7.03	62.022	7.02	62.033
+50	5.27	63.78	5.17	63.888
3	3.37	65.68	3.33	65.722
		(81.12)		
2	7.21	73.91		
+50	5.71	75.41		
3	4.14	76.98		
		(90.71)		
0+50	8.66	72.11		
1	5.99	84.72		
		(110.00)		
0			11.47	98.53
+50			8.69	101.31
1			5.78	104.22
+50			2.93	107.07
+52			2.44	107.56
		(120.43)		
1+90			10.52	109.48

+	HI	−	Elev.
			55.68
11.69	60.29		
9.50	69.05	0.74	59.55
BM	5TH & A ST	1.36	67.89
3.47	81.12		77.65
A & Ash ST			
10.72	98.71	1.13	78.99
Ash and Beech			
11.42	100.73	1.40	89.31
11.65	110.00	2.38	98.35
Beech		9.14	100.86
11.28	120.43	0.85	109.15

ELEVATION OF CEMENT WALKS ON 5TH ST.

STA.	Rod	Elev	Rod	Elev
		(130.12)		
0	11.57	118.55		
+50	9.56	120.56		
1	7.52	122.60		
2	3.83	126.29		
+50	1.99	128.13		
+50	1.68	128.44		
		(136.62)		
3	6.21	130.41		
1+50	1.60	135.02		
2	0.78	135.84		
		(209.84)		
0	11.23	198.61		
+50	8.90	200.94		
1	6.53	203.31	6.35	203.49
+50	4.22	205.62	4.03	205.81
2	1.77	208.07	1.68	208.16
		(216.17)		
+50			5.66	210.51
3			3.19	212.98

+	HI	−	Elev
Cedar		4.10	116.33
11.83	130.12	2.14	118.29
8.55	136.62	2.05	128.07
		2.50	233.72
Date and Elm			
11.12	209.44		198.72
Hawthorn			
7.49	216.17	1.16	208.68
BM Ivy		0.38	215.79

B.M.'s from Initial B.M. on 18 to
5th & B thence to 5th & W/al

Sta.	+	H.I.	−	Elev.	Check
B.M.	7.232	47.232		40.000	-
B.M. #	3.788	50.295	0.725	46.507	.018 46.525
#	7.385	54.507	3.173	47.122	
B.M.			5.744	48.763	.013 48.776
B.M. II	4.055	58.457	0.106	54.402	.018 54.420
B.M. #	3.800	59.367	2.890	55.567	.023 55.590
#	10.353	68.756		58.397	
B.M.			1.100	67.650	.025 67.675
#	8.495	76.255	0.690	68.060	
#	9.980	85.713	0.822	75.733	
B.M.			8.090	77.623	.047 77.670
#	11.832	96.985	1.560	85.153	
#	9.067	104.893	1.146	95.825	
B.M.			4.055	100.837	.015 100.852
#	11.065	115.347	0.610	104.282	
#	11.315	126.055	0.690	114.740	
B.M.			9.890	116.165	
#	10.620	135.835	0.840	125.215	
B.M.			2.100	133.675	.058 133.723

a/N 20th 1892

Initial B.M. 3rd & B St.
4th & B St.
5th & B St
5th & C St.
5th & B St
5th & A St.
5th & Ash St.
5th & Beech St.
5th & Cedar St. SE. off tel Pole
5th & Main

Sta	+	HO	−	Elev	Chk	
		135.835				
#	9.740	144.625	0.950	134.885		
B.M.			6.650	137.975		5th & Elm S.E. opk tel
#	10.235	154.100	0.760	143.865		
#	11.670	165.673	0.097	154.003		
B.M.			5.397	160.276	.062 160.338	5th & Fir St
#	11.415	176.548	0.540	165.133		
B.M.			1.680	174.868		5th & Grape St
#	11.930	187.757	0.727	175.828		
#	11.750	199.458	0.050	187.708		
B.M. #	11.125	209.853	0.730	198.728	.050 198.778	5th & Hawthorne
#	11.535	220.863	0.525	209.328		
B.M.			5.080	215.783	.067 215.850	5th & Dog St
#	11.850	232.235	0.478	220.385		
B.M.			4.090	228.145	.045 228.190	5th & Juniper St
#	11.883	243.958	0.160	232.075		
#	10.580	251.573	2.965	240.993		
B.M.			9.270	242.303	.047 242.350	5th & Kal
#	10.120	261.493	0.200	251.373		

Sta	+	HI	−	Elev	Chk	
		261.493				
B.M.			8.490	253.003	.047 253.050	5th & Laurel
B.M. #	8.035	266.118	3.410	258.083	.047 258.130	5th & Maple
B.M.			2.370	263.748	.052 263.800	5th & Nutmeg
#	10.040	274.303	1.855	264.263		
B.M.			3.000	271.303	.077 271.380	5th & Olive
#	8.380	280.748	1.935	272.368		
B.M.			3.610	277.138	.062 277.200	5th & Palm St.
B.M. #	5.580	284.958	1.370	279.378	.053 279.431	5th & Quince St.
B.M. #	4.010	286.008	2.960	281.998	.079 282.076	5th & Redwood
B.M. #	1.220	284.563	[illegible]	283.343	.095 283.438	5th & Spruce
#	8.050	288.613	4.000	280.563		
B.M.			5.605	283.008	.062 283.070	5th & Thorn
B.M.			0.715	287.848	.122 287.960	5th & Wfar
#	7.470	290.863	5.220	283.393		
B.M.			3.550	287.313		4th & Wfar S.W. spk tel pole
B.M. #	2.865	286.133	7.595	283.268	.093 283.361	3rd & Wfar St.
B.M. #	1.83	279.19	8.770	277.363	277.462	2nd & Wfar St.
#	0.255	267.985	11.46	267.73		

Approved

Sta	+	HI	−	Elev		
		267.985				
B.M. #	5.028	261.683	11.31	256.655		1st & Wyatt St
B.M. #	3.910	257.638	7.955	253.728	253.903 .175	1st & Thorn St
B.M. #	2.050	249.568	10.1[illegible]0	247.518	247.627 .109	1st & Spruce
B.M. #	2.165	248.613	[illegible].120	246.448	246.792	1st & Redwood
B.M. #	6.530	24[illegible]	[illegible].450	242.163	242.281 .118	1st & Juniper
B.M.			2.640	246.053		1st & Palm St NW Cut top of [illegible]
#	0.13	238.[illegible]5	10.673	238.02		
#	0.19	226.[illegible]	11.90	226.25		
#	0.37	215.[illegible]	10.92	215.52		
#	0.30	20[illegible]	11.81	204.08		
#	0.20	192.82	11.76	192.62		
#	0.21	181.06	11.97	180.85		
#	0.20	169.30	11.96	169.10		
#	11.59	180.17	0.72	168.58		
#	11.64	191.35	0.46	179.71		
#			1.93	189.42	189.59	Checked with Sam

AD FROM OLD TOWN TO LA PLAYA

HESSE MAP BY Scale

Station	DEF	Course	M.C.	Dist
Sta 1 is a point on the Southwesterly line				
line of Old San Diego and 25' Southeast				
line of said Street with the Southerly				
1	Parallel with Scott St	S 35° 15' W	S 22° 0' W	5140.
2	31° 45' R	S 67° 0' W	S 53° 45' W	1910
3	24° 0' L	S 43° 0' W	S 29° 45' W	2855'
4	8° 0' L	S 35° 0' W	S 21° 45' W	3440'
5	5° 45' L	S 29° 15' W	S 16° 0' W	1340
6	5° 15' R	S 34° 30' W	S 21° 15' W	2215
7	21° 45' L	S 12° 45' W	S 6° 30' E	450
8	14° 15'	S 1° 30' W	S 14° 45' E	290'

on the North line of Blks 29 & 30 30' in

910' from Sta 6 the line intersects the by Clayton & Hesse N 54° 45' W 565' to 1166' from Sta 6 the line intersects Thence N 14° 10' E Mag 415' to the NE to the NE. cor of 15

TAKEN FROM THE CLAYTON AND

of the street along the Southwesterly of the intersection of Southwesterly line of Scott Street in Old San Diego

to the center of San Antonio Ave La Playa = Sta 9

line bet. New Roseville or lots 16 & 25 the NE. cor of Lot 15 by. Clayton & Hesse Map the easterly line of lot 15 C & H Map cor of 15 & S.W. cor of 15 Thence 1320'

LEVELS AROUND BLOCK OWNED BY SI CarCo ON "D" STREET BETWEEN CAL & ARCTIC

Hamlin
Shaw
VanHook

APr 27 1892

Sta	+	HI	−	Elev	
B.M.	0.30	13.91		13.61	
2			4.8	9.1	India & D St West of Arctic St
1+75			5.1	8.8	
1+50			5.3	8.6	South line of D St between Arctic & California
1+25			5.7	8.2	
1			5.8	8.1	
+75			5.8	8.1	
+50			6.3	7.6	
+25			6.5	7.4	
0			6.7	7.2	East line of Cal
#	4.31	10.69	7.53	6.38	
3			3.5	7.2	S.E. cor of Cal & D St
2+75			4.3	6.4	
2+50			4.3	6.4	
2+25			4.5	6.2	East side of Cal bet D & E
2			4.5	6.2	
1+75			4.6	6.1	
1+50			4.7	6.0	

LEVELS AROUND BLOCK OWNED BY ST. CAR CO. ON "D" ST. BETWEEN CAL & ARCTIC.

Sta	+	HI	−	Elev	
		10.68			
1+25			4.8	5.9	
1			4.8	5.9	
+75			4.9	5.8	
+50			4.8	5.9	
+25			4.8	5.9	
0			5.4	5.13	NE. Cor of Cal & EST
BM #	4.75	10.31	5.13	5.56	Cal. & EST
0			5.00	5.3	NE cor of Cal & E ST.
1+25			4.6	5.7	
+50			4.5	5.8	
+75			4.2	6.1	
1			3.6	6.7	
+25			3.2	7.1	
+50			3.1	7.2	
+75			2.9	7.4	
2			2.8	7.5	NW. Cor of Arctic & E STS.
BM #	5.42	13.41	2.32	7.89	8.09 Arctic & E Streets

East side of Cal. between D & E Streets

North line of E St. bet Cal & Arctic

LEVELS AROUND BLOCK OWNED BY ST CAR. CO. ON "D" STREET BET. CAL. & ARCTIC

Sta	+	HI	−	Elev	
0		13.41	5.99	7.42	N.W. Cor of ARCTIC & E STREETS
+25			5.22	8.19	
+50			5.00	8.41	
+75			4.66	8.75	
1			4.66	8.75	
+25			4.66	8.75	
+50			4.30	9.11	
+75			4.22	9.19	
2			4.22	9.19	
+25			4.22	9.19	
+50			3.97	9.44	
+75			4.00	9.41	
3			4.22	9.19	S.W. cor of Arctic & D Streets
#	5.95	16.12	3.24	10.17	
BM			2.48	13.64	13.61 INDIA & D Sts

West side of Arctic bet D & E

CUT & FILL STAKES ON "C" STREET BETWEEN 24th & 25th FOR HUGHES.

Station	North	South
0 0	+1.0	+2.1
+25	+0.8	+2.2
+50	+0.5	+2.1
+75	+0.5	+1.5
1	+0.3	+1.0
+25	0.0	+0.5
+50	−0.2	0.0

East line of 23rd Street

West line of 24th Street

Total amount of excavation 382. cu yds 382. cubic yards

" " " " embankment 14.6 " " 14.6 "

SKETCH SHOWING LINE BETWEEN PUEBLO LOTS 1161 AND 1162

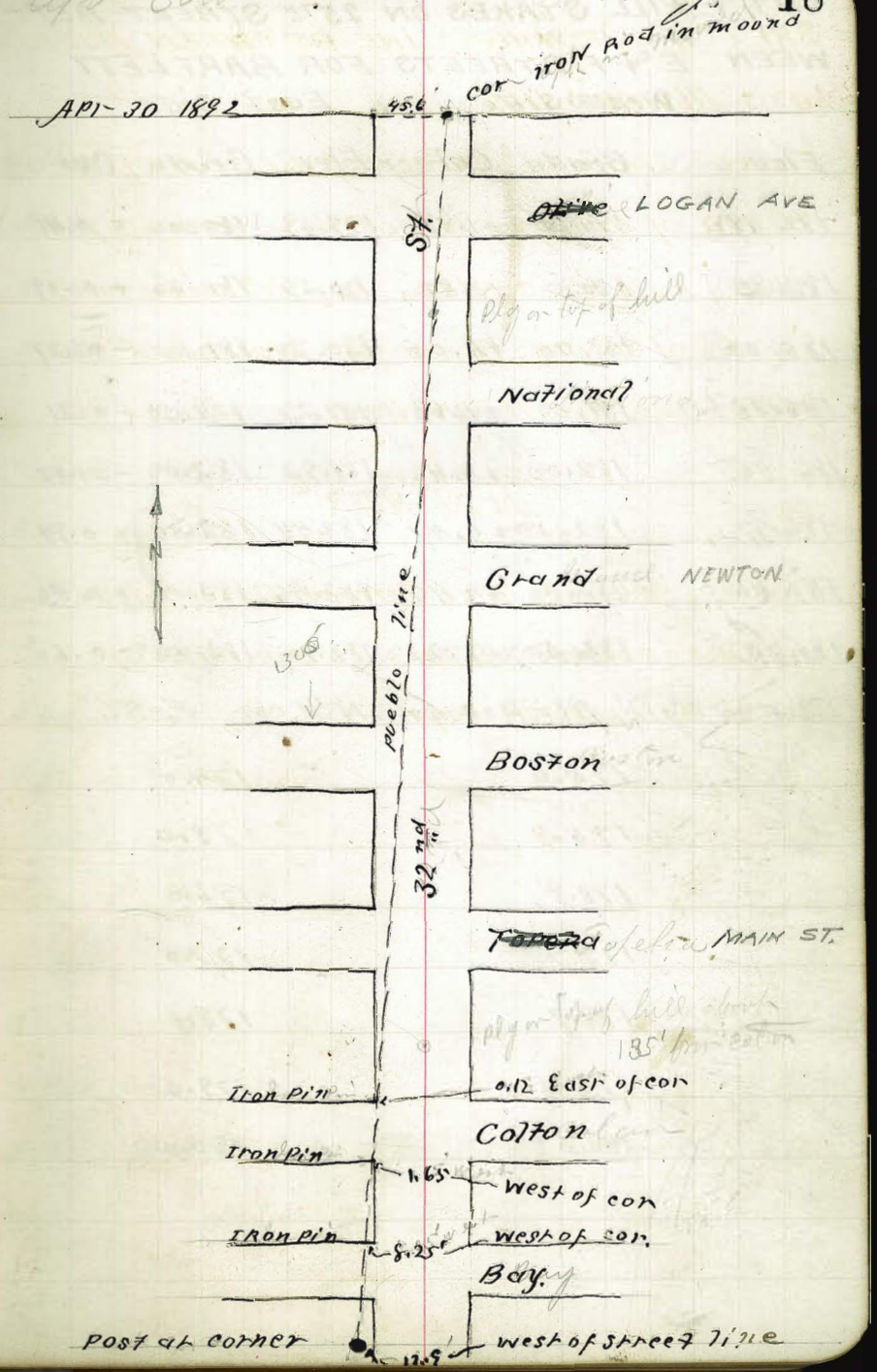
FOUND Stake at S.W. cor of 1161, S.E. of 1162. AT NW of 1161 and N.E. of 1162 mound with stake hole in center, set ½" iron rod in center, in place of stake rod 18" long

Witnessed by H.P. Whitney
H. Hamlin
F.J. Shaw
J.M. Van Hook

Ran a straight line between these points and measured offsets to corners, See Sketch on opposite page

Hamlin

Hamlin & Party



CUT & FILL STAKES ON 25th STREET BETWEEN E & F STREETS FOR BARTLETT

West side x East side

Elev	Grade	Cut	Elev	Grade	Cut
181.88	180.00	+1.88	179.59	180.00	= 0.41
183.87	180.5	+3.82	180.59	180.50	+ 0.09
185.05	181.00	+4.05	180.73	181.00	- 0.27
186.18	181.50	+4.68	181.29	181.50	- 0.21
186.46	182.00	+4.46	181.93	182.00	- 0.07
186.97	182.50	+4.47	183.44	182.50	+ 0.94
187.46	183.00	+4.46	183.46	183.00	+ 0.46
185.73	183.50	+2.23	182.90	183.50	- 0.60

CUT & FILL Stakes on N ½ cor. F. St.

	175.0		174.0
	175.9		175.0
	176.8		176.0
	177.7		177.0
	178.7		178.1
	179.6		179.0
	180.5		180.0

Sta	+	H.I.	-	Elev.
3+46	Center of "F" Street			
0				
+50				
1				
+50				
2				
+50				
3	South line of E Street			
300' West of 25th St.				
0				
+50				
4				
+50				
5				
+50				
6	West line of 25th Street			

ELEVATIONS ON 25th STREET FROM E TO F

Sta	Rod	Elev	Rod	Elev
BM	G & 25th Street			
#	West			East
3+40	7.81	181.88	10.10	179.59
0	5.82	183.87	9.10	180.59
+50	4.64	185.05	8.96	180.73
1	3.51	186.18	8.40	181.29
+50	3.23	186.46	7.76	181.93
2	2.72	186.97	6.25	183.44
+50	2.23	187.46	6.23	183.46
3	3.96	185.73	6.79	182.90
BM				

+	HI	−	Elev
6.90	183.93		177.03
6.78	189.69	1.02	182.91

Center line of F Street

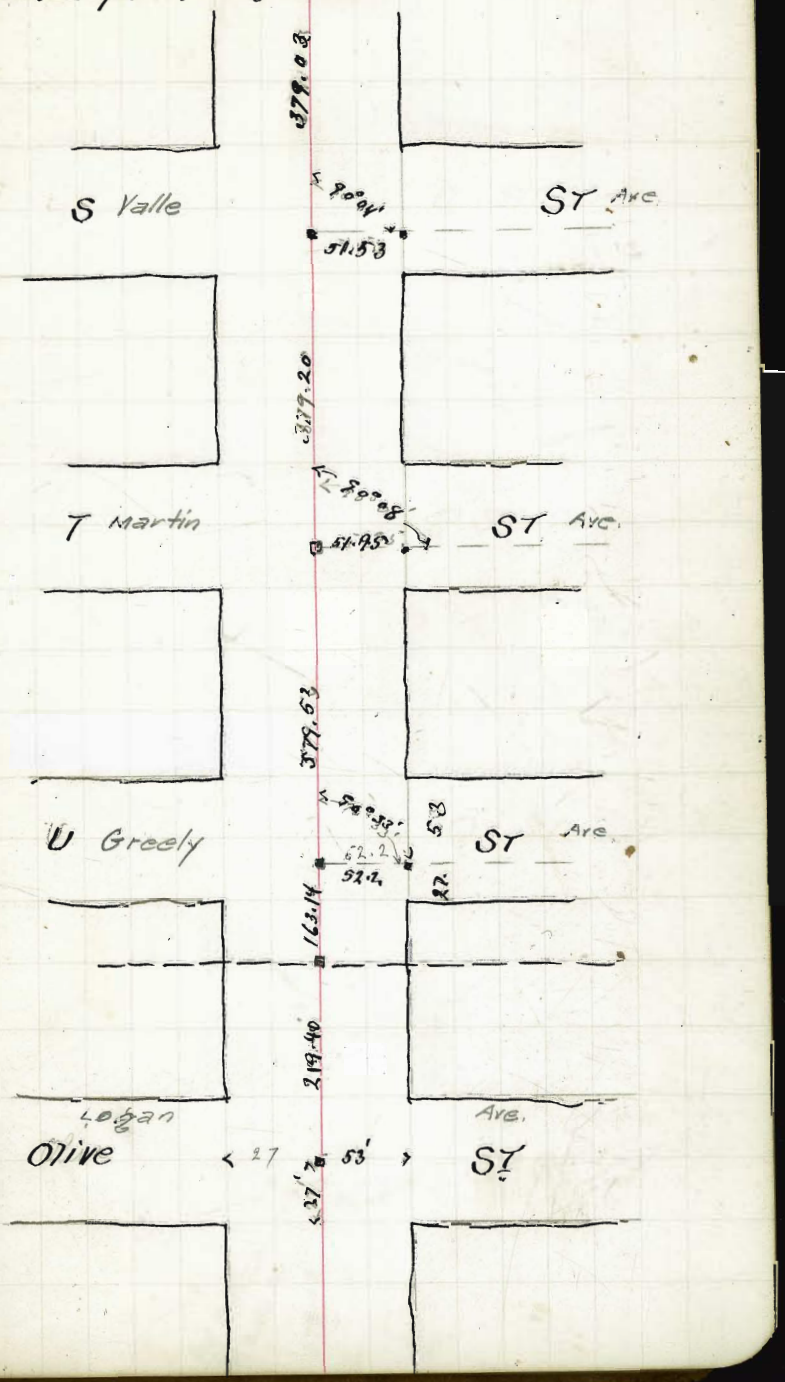
North line of E St

South line of E Street

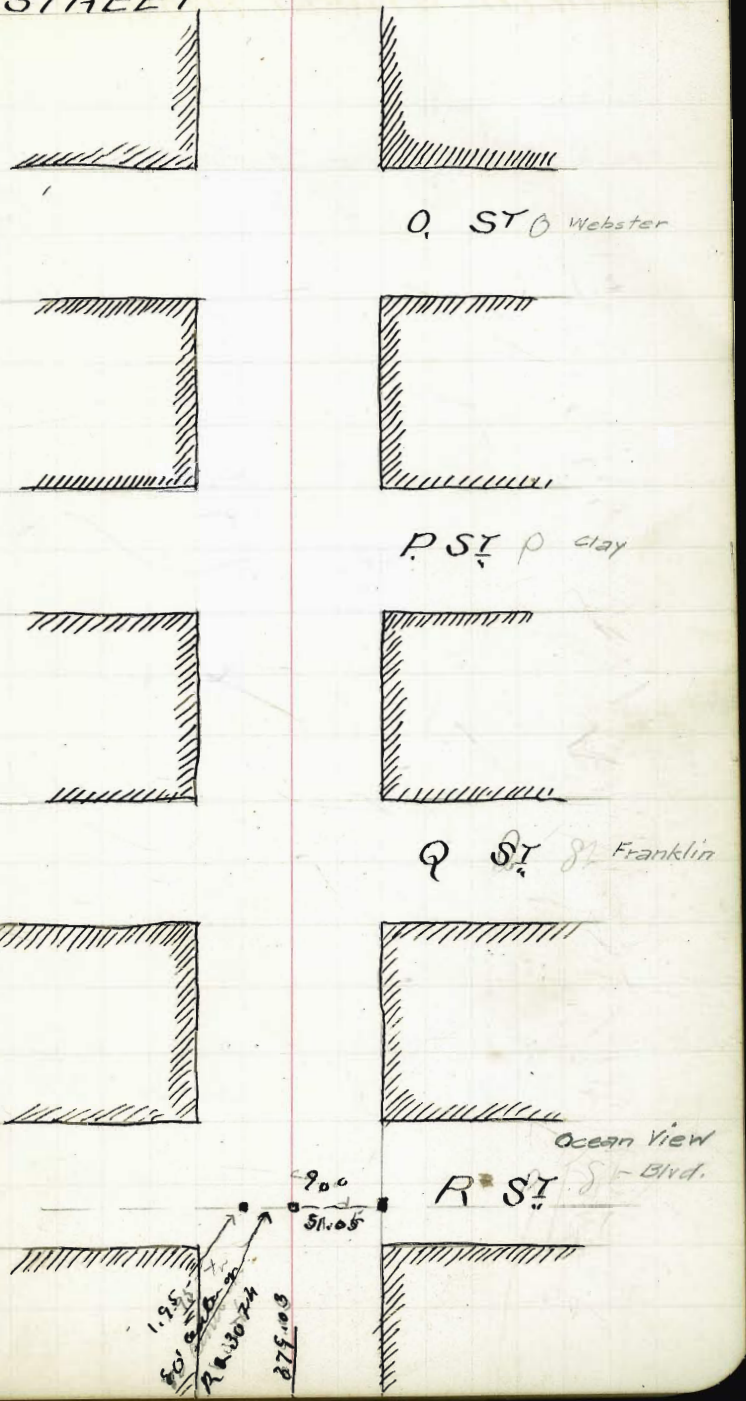
4.25		185.44

THIRTIETH STREET FROM OLIVE TO H ST. MAY 3-7 1892

May 3-7 1892 Hamlin & Party. 21

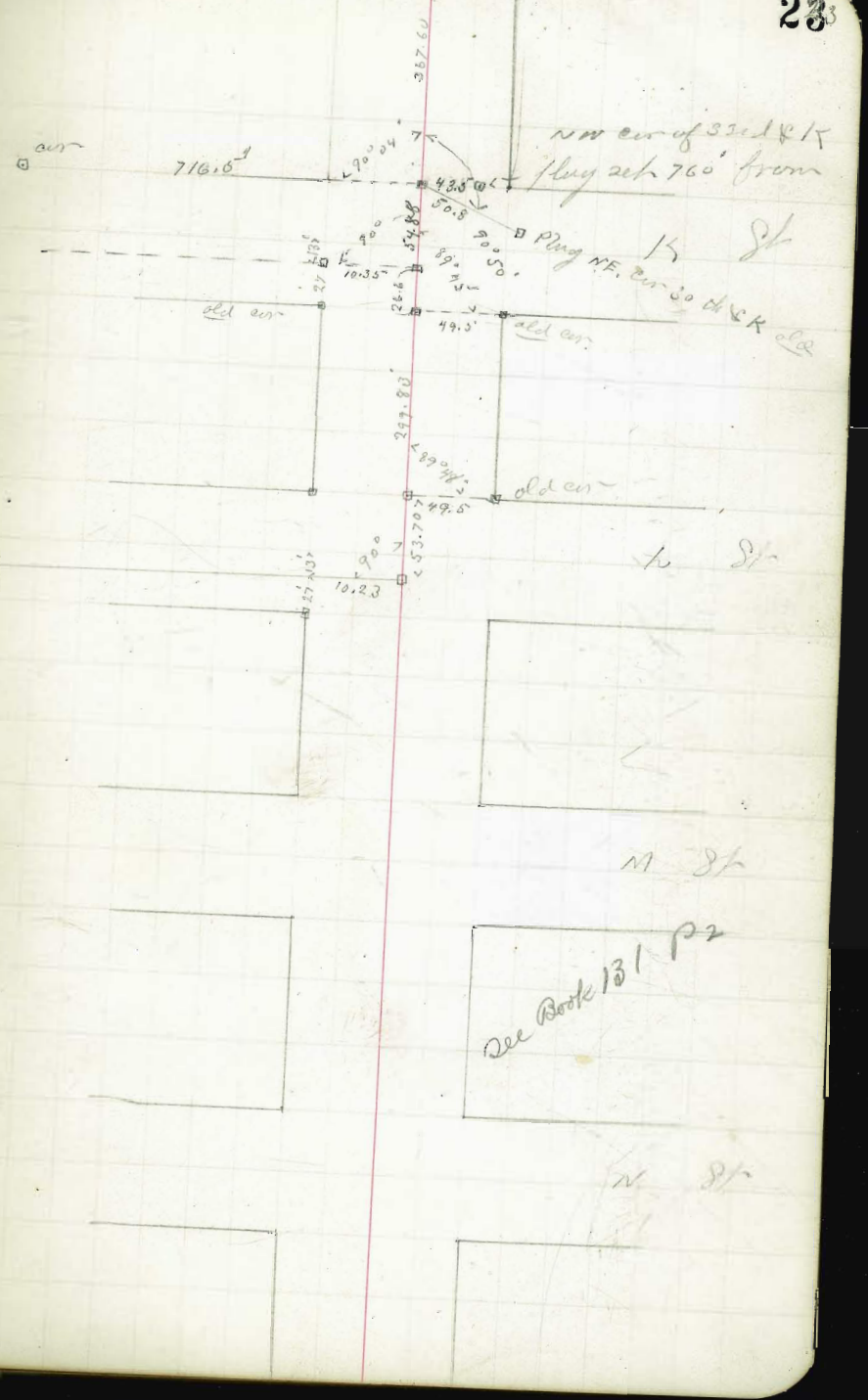


THIRTIETH STREET FROM OLIVE AVE TO H STREET

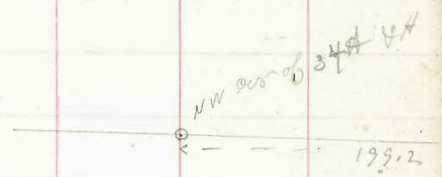


30th St from Alvi ave to H St

716.5' to old stake the N.W. cor of 32nd and K Street

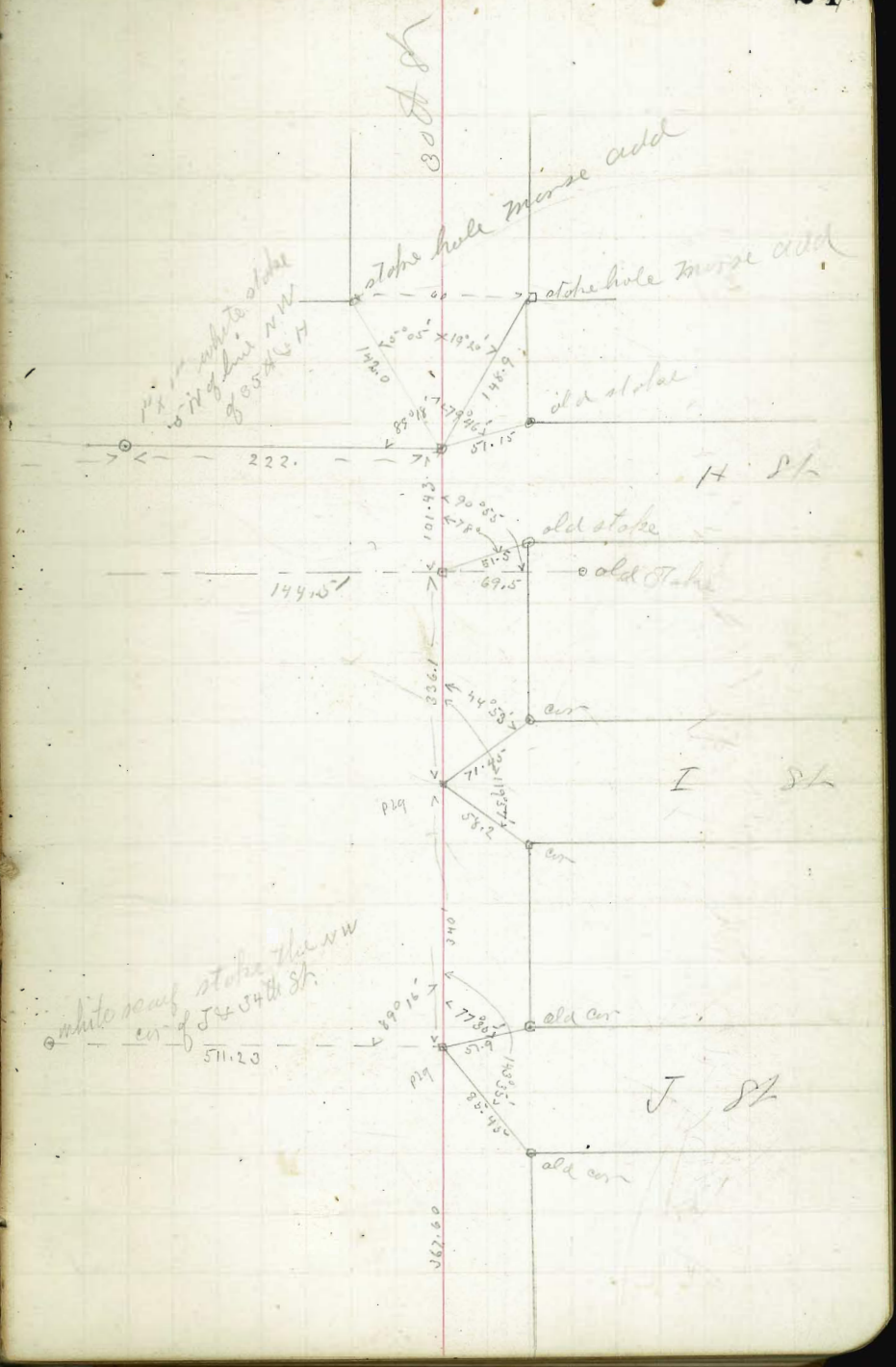


30th St from Olive ave to H St



89°05' W sight to a stake on the NW cor of H & 33rd St
144.0 to a 1" square white stake 1.5 N of line set for the SE cor
of H & 35th St

set up at N.W. cor of 34th & J B.S. 1 Blk west to Tall white
stake 4" square produced line east and intersected 511.23' west



ELEVATIONS AT CROSING OF 5th & H St.

STA	+	HI	−	Elev	
BM	5.27	31.32		26.05	
0 + 16			7.20	24.12	Along line West of 6th St.
+ 29.5			7.06	24.26	
+ 43			6.74	24.58	
+ 50			6.66	24.66	
+ 57			6.66	24.66	
+ 70.5			6.45	24.87	
+ 84			6.22	25.16	
0			7.52	23.80	Along West Gutter line
+ 16			7.47	23.85	
+ 29.5			7.25	24.07	
+ 43			7.07	24.25	
+ 50			6.92	24.40	
+ 57			7.03	24.29	
+ 70.5			6.77	24.55	
+ 84			6.65	24.67	
1 + 0			6.47	24.85	

6th H STAEETS

Gutter on west property line

Midway bet gutter & South rail of S Track

South rail of S Track

Center of H Street

North rail of North Track

Midway bet North Track & North Gutter

North Gutter

Gutter on South line of H STREET.

THese elevations were taken along gutter opposite those on property line

ELEVATIONS AT CROSSING OF 5TH & H

Sta	+	HI	−	Elev.	
		31.32			
0			6.80	24.52	Along cable Road
+50			6.32	25.00	
1+0			5.80	25.52	
0			7.03	24.29	Along East Gutter line
+16			6.96	24.36	
+29.5			6.66	24.66	
+43			6.50	24.82	
+50			6.38	24.94	
+57			6.42	24.90	
+70.5			6.30	25.02	
+84			6.17	25.15	
1			5.86	25.36	
0+16			6.86	24.36	Along East prop-erty line
+29.5			6.58	24.74	
+43			6.24	25.08	
+50			6.19	25.13	
+57			6.17	25.15	

South line of H Street
Center " " " "
North " " " "

For Sta's See west property line

For Sta's See west property line

ELEVATIONS AT CROSSING OF 5TH & HST.

Sta	+	HI	−	Elev	
+70.35		31.32	6.07	25.25	Along East Property line
+84			5.97	25.35	
BM			3.69	27.63	

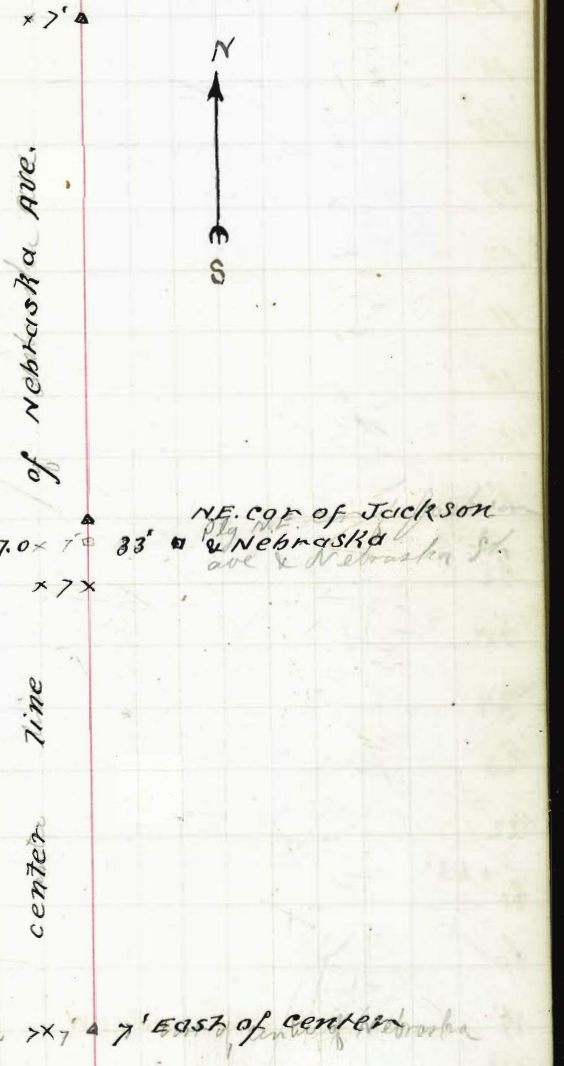
7TH & AST.

LINE FOR WATER PIPE ON NEBRASKA AVE FROM OHIO TO JUDGE WORKS

June 29 1893 Hamlin & Party.

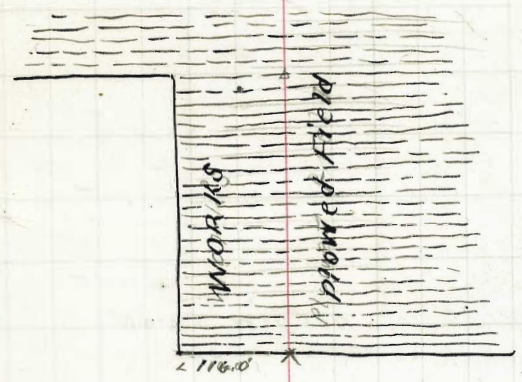
Sta.	Mag 7 Course	True Course
17		
16		
15		
14		
13		
12		
11		
10		
9		
8		
7 +72		
6		
5		
4		
3		
2		
1		
0	N 14° 25' W	N 0° 25' W

Sta 0 is a Point 7' East and 10' South of the center of Univ Ave & Nebraska St



LINE FOR WATER PIPE ON NEBRASKA AVE FROM OHIO TO JUDGE WORKS PLACE

STA	Magnetic Course	TRUE Course
26		
25		
24		
23		
22		
+63		
21		
20		
19		
18		



TRAVERSE FROM OLD TOWN TO NEW ROSEVILLE FROM CLAYTON & HESSE

CORNERS AT OLD TOWN

Distance Def course N.C.

14

13

12

11 +26.7

10

9

8

7

6

5 +20

+66.7

4

3

2

1

+24

0

11+31.7 — 84°20'7 — 51.0 — 5.0 — 5°40' — 50.75 — Sta 11+26.7'

Log 51 = 1.707570

Log Sin 5°46' = 8.994497 / 0.702067 = 5.04'

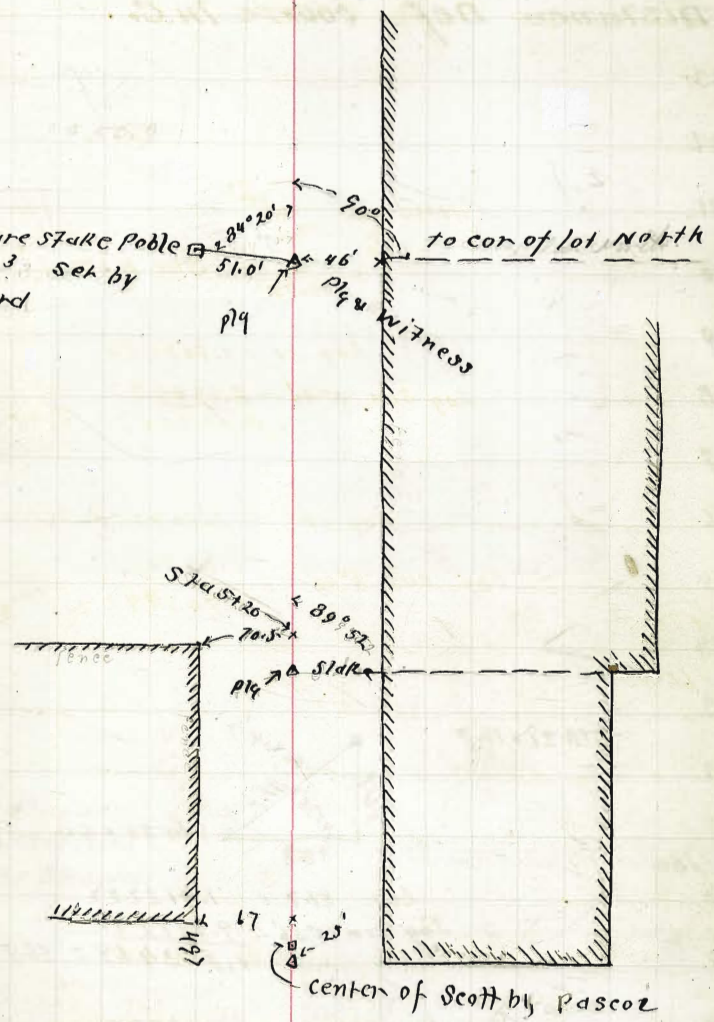
Log 51 = 1.707570

Log cos 5°40' = 9.997872 / 1.705442 = 50.75

535°15'W S22°0'W

B.S. to a point 25' South Easterly from the center of Jay St

Station 0 is a point on the SEasterly line of Boundary of Old San Diego, being the Easterly Map of a portion of the City Lands of San



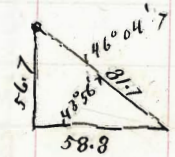
Scott Street, and on the SWesterly cor of Pueblolot 10 of Clayton and Hesse's Diego

TRAVERSE OF ROAD FROM OLD SAN DIEGO TO NEW ROSEVILLE

Distance Def course M.C.

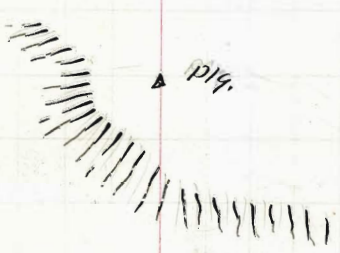
33
32
31
30
29
28
27
26
25
24
23
22
21
+60
26
19
18
17
16
15

STA 21+16.7

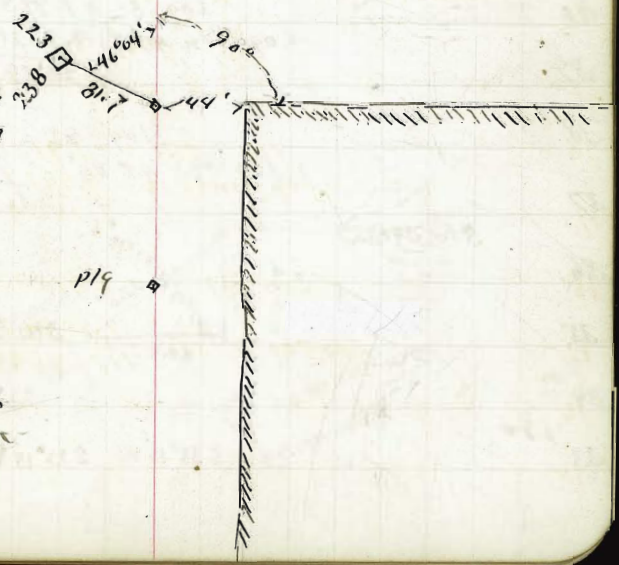


Log 81.7 = 1.912222
Log Sin 43°56' = 9.841247
1.753469 = 56.7

Log 81.7 1.912222
Log Cos 43°56' 9.857422
1.769644 = 58.8



4x4" stake 6" above ground marked with scribe as shown



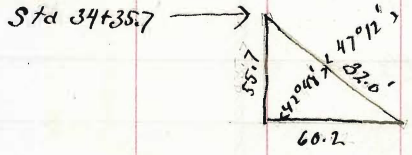
South 4187.5
West 2566.5

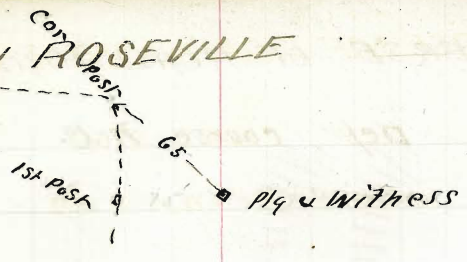
TRAVERSE OF ROAD FROM OLD TOWN TO NEW ROSEVILLE

STA	DEF	COURSE	M.C.
51 + 15	11° 45' R	S 47° 0' W	S 33° 50' W
50			
49			
48			
47			
46			
45			
44			
43			
42			
41			
40			
39			
38			
37			
36			
35			
34			
33 + 80		S 35° 15' W	S 22° 15' W

Log 82 = 1.913814
Log Sin 42°48' = 9.832152
1.745966 = 33.7'

Log 82 = 1.913814
Log cos 42° 48' 9.865536
1.779350 = 60.2

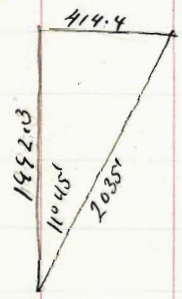




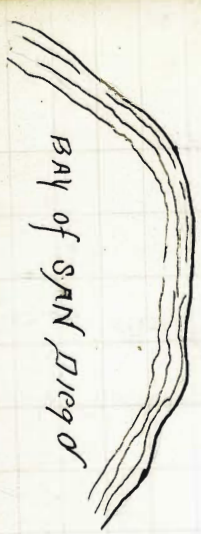
TRAVERSE OF ROAD FROM OLD TOWN TO ROSEville

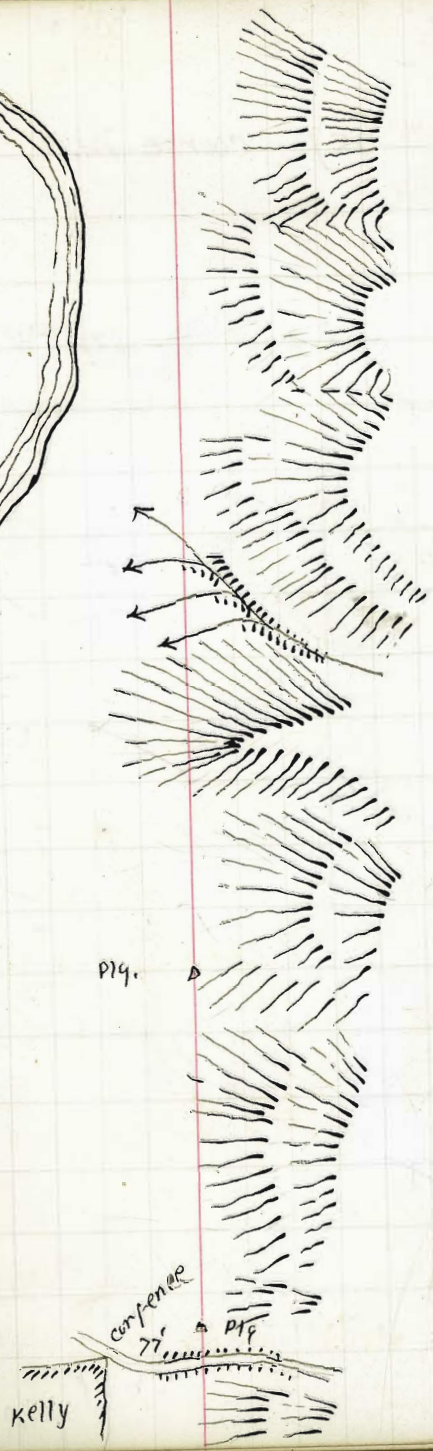
Sta	Def	course	M.C.
70			
69			
68			
67			
66			
65			
64			
63			
62			
61			S 33° 50' W
60			
59			
58			
57			
56			
55			
54			
53			
52			S 47° 0' W

89
88
87
86
85
+60
84
83
82
81
80
79
78
77
76
75
74
73
72
+50
71



11°45' L S35°15' W S22°10' W





STA	DEf	course	M.C
108			
107			
106		S 22° 15' W	
105			
104			
103			
102			
101			
100			
99			
98			
97			
96			
95			
94			
93			
92			
91			
90			

Telegraph Pole, marked 80-50'
32.9
Plg & Witness
On RR Embankment

Telegraph Pole marked 14°80'
Plg

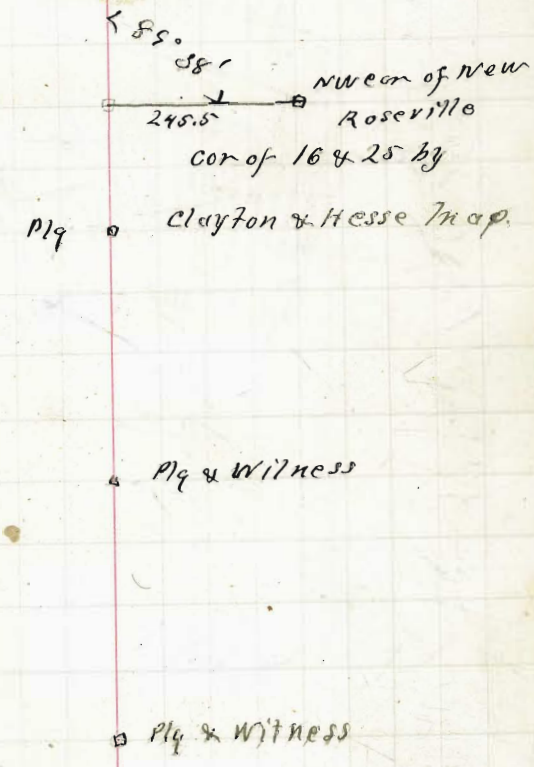
STA	Def	Course	M.C
128			
127			
126			
125			
124			S22° 15' W
123			
122			
121			
120			
119			
118			
116			
115			
114			
113			
112			
111			
110			
109		S35° 15' W	

Plg & Witness

Plg & Witness.

STA~~DE~~	Def	Course	M.C.
+56	89°38'R		N68°0'W
140			
+82.7			
139			
138			
137			
136			
135			
134			
133			
132			
131			
130			
129			

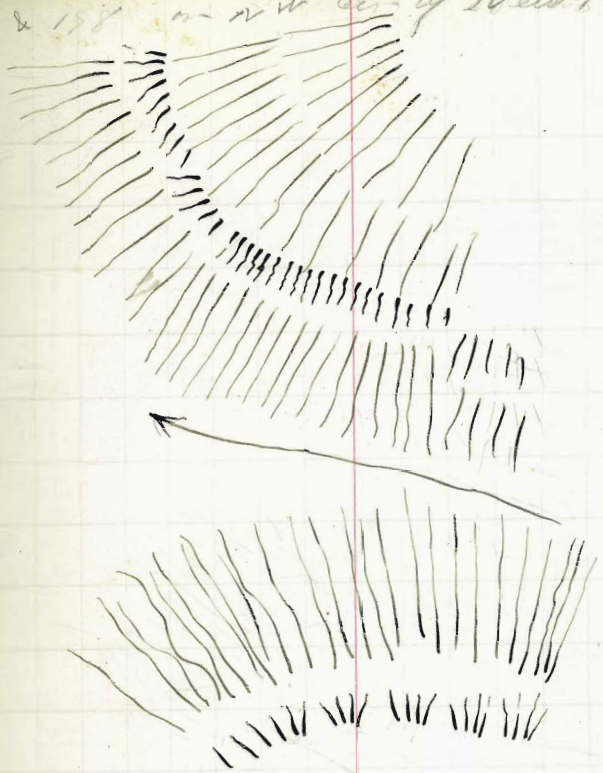
2644
2455
18.9



Line from cor of 196, 197 & 191 to cor 188 187, & 198 on N W cor of New Roseville

Sta	Obj	Course	Vert angle	Rod	Dist
15					
14 +09.7			0° 0'	2.00	201.0'
13					
12					
11					
10					
9					
8					
7					
6 +53.7			+1° 0'	7.55	756.0
5					
4					
3					
2					
1					
0			-3° 0'	6.545	653.7

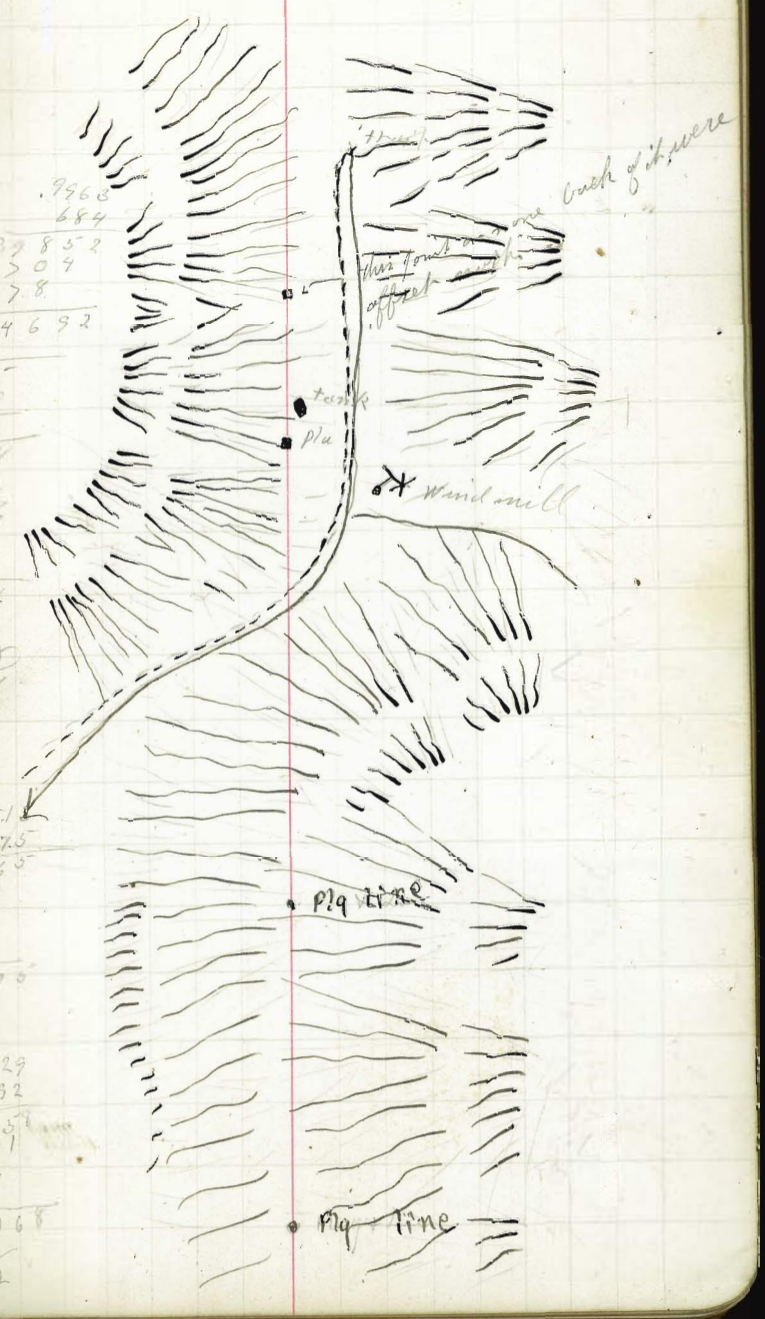
Sta 0 is the cor of Pueblo lots 196, 197, and thence run to cor N.W. of New Roseville



.997261
654.5
4986305
3989044
4986205
5983566
652.7063245
1
653.7

□ 197 cor 2×4" 2' high

Sta	Ref	Course	Vert Angle	Rod	Dist
34					
33					
32					
31					
	+0.6.8'		-3° 30'	6.84	682.5
30					
29					
28	+5.5'		-2° 0'	1.52	151.8
27					
26					
25					
24					
23					
22					
21	+10-2'		-4° 0'	7.57.5	754.8
20					
19					
18					
17					
16	+10.7		-4° 50'	4.92	489.5



+28.8	89° 38' L				
46					
45					
44					
+83.3					
43					
42					
41					
40					
39					
38					
37					
+89.3			-2.0	694	694
36					
35					

245.5
~~433~~

4393.3
245.5
4638.8

Plug Sta 140+56 on Trial line

struck 5' South offset corrected at this point and at 36+89

N

Cor of New Roswell

9988
694
39952
89892
59928
693.0672
694

3699.3
694
4383.3

move 42' North

Plug.

Line to Ocean Beach from Sta (87+02.7)

Sta	Def	Course	vert angle	Ave	Dist
			+1° 0'	3.87	
			+5° 30'	1.46	
5+44.4'	N 67° 30' W		+9° 0'	1.76	
0			+14° 50'	581.5	

Sta 0 is Sta 87+02.7 on A line

total dist from Old Town to La Roseville is 13,940.6

1582.7 to end from Sta 124.0'

Cross sec'n of 16th St. from 15th to 26th

Sta	North curb	Center curb	South	+	HI	−	Elev
B.M.		(59.2)		0.74	59.17		58.43
	1.3	1.6	2.6				
0	57.9	57.6	56.6	Centre line of 15th St			
	2.2	2.3	3.2				
+ 25	57.0	56.9	56.0				
	3.3	3.2	3.5				
+ 50	55.9	56.0	55.7				
	4.2	4.3	3.9				
+ 75	55.0	54.9	55.3				
	5.9	5.3	5.1				
1	53.3	53.9	54.1				
	6.3	6.4	6.3				
+ 25	52.9	52.8	52.9				
	7.3	7.3	7.2				
+ 50	51.9	51.9	52.0				
	8.1	7.8	8.5				
+ 75	51.1	51.4	50.7				
	9.0	8.8	9.5				
2	50.2	50.4	49.7	West line of 16th St			
B.M. 16th & DB					9.53		43.24
#		(56.2)		7.28	56.24	10.21	48.96
	6.3	6.4	8.2				
+ 14	49.9	49.8	48.0				
	6.3	6.3	6.7				
+ 40	49.9	49.9	49.5	Center line of 16th St			
			7.3	Bottom of bank			
0			48.9				
	6.7	6.1	6.5	Top of bank			
0	49.5	50.1	49.7				
	6.6	5.6	6.2				
+ 25	50.2	50.6	50.0				
	5.5	5.1	5.3				
+ 50	50.7	51.1	50.7				
	5.1	4.7	5.2				
+ 75	51.1	51.5	51.0				

Cross Sec'n of Lf St from 15th to 26th St

Station	North	Curb	Center	Curb	South	+	HO	−	Elev
			(56.2)				56.24		
	4.9		4.5		4.8				
1	51.3		51.7		51.4				
	4.55		4.1		4.4				
+ 25	51.7		52.1		51.8				
	4.1		3.7		4.1				
+ 50	52.1		52.5		52.1				
	3.6		3.4		3.5				
+ 75	52.6		52.8		52.7				
	3.3		2.9		2.7				
2	52.9		53.3		53.5				
	3.8		2.1		1.55				
+ 40	52.4		54.1		54.7				
	2.44		11.2		0.6				
0	53.8		55.0		55.6				
	1.4								
0 check	54.8	Stake top of bank							

Center line of 17th St

Cross Sections of 26 St from 15th to 26th

Station	North curb		Center		Curb		South	
B.M. 16th & 26 St - top of fence post								
#		(64.4)						
	9.4	8.7	7.0		4.7		2.6	
0	55.0	55.7	57.4		59.7		61.8	
#					(64.4)		(74.9)	
	6.8	6.1	4.1		0.2		7.5	
+25	57.6	58.3	60.3		64.2		67.4	
	2.4	(64.4) 1.8	(74.9) 10.1		(74.9) 5.6		(74.9) 0.6	
+50	62.0	62.6	64.8		69.3		74.3	
#	(74.9)	(74.9)	(74.9)		(86.1)		(86.1)	
	7.7	6.2	3.1		8.5		4.6	
+75	67.2	68.7	71.8		77.6		81.5	
#	(86.1)		(86.1)		(86.1)		(97.1)	
	9.7	9.7	6.4		0.5		8.3	
1	76.4	76.4	79.7		86.6		88.8	
	(86.1)	(86.1)	(97.1)		(97.1)		(97.1)	
	1.4	1.6	9.6		3.2		1.8	
+25	84.7	84.5	87.5		93.9		95.3	
#	(97.1)	(97.1)	(97.1)		(108.9)		(108.9)	
	2.3	2.4	1.9		14.7		11.2	
+50	94.8	94.7	95.2		97.2		97.7	
		(108.9)						
	8.5	9.9	9.6		9.9		9.6	
+75	100.4	99.0	99.3		99.0		99.3	
	4.9	6.0	7.3		8.1		7.9	
2	104.0	102.9	101.6		100.8		101.0	
	8.4	8.0	6.3		7.0		7.0	
+14	105.5	103.9	102.6		101.9		101.9	

+	ft	-	Elev
5.79	55.08		49.24
11.93	64.36	2.60	52.43
East line of 17th St			
10.58	74.93	0.01	64.35
11.42	86.08	0.27	74.66
11.06	97.08	0.06	86.02
12.10	108.90	0.28	96.80
West line of 18th St			

Cross-sections of B. St from 15th to 26th.

Station		North	Curb	Center	Curb	South
				(108.9)		
		1.4		4.3		6.0
2+40	✓	107.5		104.6		102.9
#		(112.5)	(108.9)			
		3.55	1.0	2.8	4.3	4.5
+66	✓	109.0	107.9	106.1	104.6	104.4
				(112.5)		
		2.7	3.7	3.5	7.2	7.4
0	✓	109.8	108.8	107.0	105.3	105.1
		1.8	2.7 109.8	4.6	6.5	7.2
+25	✓	110.7	~~108.8~~	107.9	106.0	105.3
		1.5	2.6	4.2	6.3	7.1
+50	✓	111.0	109.8	108.3	106.2	105.4
		1.9	2.7	4.5	6.4	7.4
+75	✓	110.6	109.8	108.0	106.1	105.1
		4.3	5.1	6.5	7.9	8.5
1	✓	108.2	107.4	106.0	104.6	104.0
		6.7	7.5	9.2	10.8	10.9
+25	✓	105.8	105.0	103.3	101.7	101.6
#		(112.5)		(112.5)	–(101.6)	(101.6)
		10.4	10.9	11.9	1.9	2.3
+50	✓	102.1	101.6	100.6	99.7	99.3
				(101.6)		
		2.9	3.3	4.1	5.4	5.3
+75	✓	98.7	98.3	97.5	96.2	96.3
		5.9	6.3	7.1	8.2	9.0
2	✓	95.7	95.3	94.5	93.4	92.6
B.M.		S.E. cor. of fence 19th & B				
		8.0	8.3	8.6	9.4	10.1
+14	✓	93.6	93.3	93.0	92.2	91.5
		11.1		11.1		11.3
+40	✓	90.5		90.5		90.3
#						

+	H.I.	–	Elev
	108.90		
Center line of 18th St			
5.34	112.51	1.73	107.17
East line of 18th St			
0.94	101.62	11.83	100.68
West line of 19th St			
			(93.20)
		8.34	93.28
3.77	93.05	11.66	89.96

Cross-Sections of 16 St from 15th to 26th St.

Station	North	Curb	center	curb	South	+	HO	−	Elev
		(93.1)					93.05		
	4.6	4.4	4.0	3.8	3.9				
+66 ✓	88.5	88.7	89.1	89.3	89.2				
	6.0	5.6	4.9	4.4	3.8				
0 ✓	87.1	87.5	88.2	88.7	89.3	East Line of 19th St			
	7.9	6.8	6.1	4.9	4.2				
+25 ✓	85.2	86.3	87.0	88.2	88.9				
	7.3	6.8	5.9	4.9	4.3				
+50 ✓	85.8	86.3	87.2	88.2	88.8				
	9.9	8.7	6.5	4.8	3.9				
+75 ✓	83.2	84.4	86.6	88.3	89.2				
	8.8	7.4	6.8	4.8	3.8				
1 ✓	84.3	85.7	86.3	88.3	89.3				
	8.4	7.8	6.5	4.9	2.4				
+25 ✓	84.7	85.3	86.6	88.2	90.7				
	6.7	6.9	6.4	4.8	2.0				
+50 ✓	86.4	86.2	86.7	88.3	91.1				
	5.0	5.8	5.5	4.7	3.2				
+75 ✓	88.1	87.3	87.6	88.4	89.9				
	4.0	4.5	4.3	4.3	3.2				
+90 ✓	89.1	88.6	88.8	88.8	89.9				
	2.8	2.3	1.2	0.6	0.6				
2 ✓	90.3	90.8	91.9	92.5	92.5	West line of 20th St			
		(103.8)							
#						10.94	103.70	0.23	92.82
	10.9	10.7	10.5						
+05 ✓	92.9	93.1	93.3						
	11.1	11.1	10.2	10.7	11.3				
+14 ✓	92.7	92.7	93.6	93.1	92.5				
	9.6		9.4		9.1				
+40 ✓	94.2		94.4		94.7	Center line of 20th			
	93.8	94.6	94.8	94.6	94.2				
+66 ✓	10.0	9.2	9.0	9.2	9.6				
	95.2	94.2	95.3	94.5	95.4				
0 ✓	8.6	9.6	8.5	9.3	8.4	East line 20th St			
	94.6	94.3	93.2	93.2	94.8				
+05 ✓	9.2	9.5	10.6	10.6	9.0	foot of slope			

Cross-Sections of Lf St from 15th to 26th St

Station		North	Curb	Center	Curb	South	+	H.I.	−	Elev
			(103.8)							
	Rod	8.0	8.9	9.9	11.2	11.0		103.76		
0+25	Elev	95.8	94.9	93.9	92.6	92.8				
		5.0	6.0	7.3	8.4	8.9				
+50	✓	98.8	97.8	96.5	95.4	94.9				
		3.4	3.6	3.9	5.8	7.3				
+75	✓	100.4	100.2	99.9	98.0	96.5				
		1.8	1.9	0.7	2.0	2.2				
1	✓	102.0	101.9	103.1	101.8	101.6				
#			(114.4)				11.83	114.44	1.15	102.61
		10.8	11.1	8.6	9.7	10.4				
1+25	✓	103.6	103.3	105.8	104.7	104.0				
		7.8	7.1	6.6	6.5	6.9				
+50	✓	106.6	107.3	107.8	107.9	107.5				
		5.3	4.7	4.6	4.7	5.1				
+75	✓	109.1	109.7	109.8	109.7	109.3				
		2.7	3.0	3.0	3.1	2.6				
2	✓	111.7	111.4	111.4	111.3	111.8	West line of 21st St			
		0.7		0.7		1.6				
+40	✓	113.7		113.7		112.8	Center line of " "			
		0.3	0.3	0.0	0.6	0.0				
0 Sand at 0+5 at bottom of Bank	✓	114.1	114.1	114.4	113.8	114.4	East line of " "			
#			(125.9)				12.24	125.89	0.79	113.65
		5.9	5.4	4.5	4.3	4.7				
0+05	✓	120.0	120.5	121.4	121.6	121.2				
		4.6	4.2	2.8	2.3	2.6				
+25	✓	121.3	121.7	123.1	123.6	123.3				
		1.6	1.9	0.8	0.7	0.3				
+50	✓	124.3	124.0	125.1	125.2	125.6				
#			(137.4)				11.73	137.43	0.19	125.70
		10.7	11.2	11.3	10.8	10.0				
+75	✓	126.7	126.2	126.1	126.6	127.4				
		7.3	7.9	7.3	8.2	7.8				
1	✓	130.1	129.5	130.1	129.2	129.6				

Cross-Sections of Lb St from 10th to 26th

Station	North	Curb	Center	Curb	South	+	HO	−	Elev.
			(137.4)				137.43		
1+25	4.1 / 133.3	4.3 / 133.1	5.0 / 132.4	4.9 / 132.5	4.6 / 132.8				
+50	2.3 / 135.1	2.5 / 134.9	1.9 / 135.5	2.5 / 134.9	2.4 / 135.0				
#			(148.0)			11.58	147.96	1.05	136.38
+75	9.9 / 138.1	9.7 / 138.3	9.5 / 138.5	11.1 / 136.9	11.3 / 136.7				
2	8.0 / 140.0	8.1 / 139.9	8.3 / 139.7	8.5 / 139.5	8.6 / 139.4	West line of 22nd St			
B.M.	B.M. Lb & 22nd St spk top of Post							5.44	142.52
+14	6.5 / 141.5	6.7 / 141.3	6.8 / 141.2	7.1 / 140.9	7.2 / 140.8				
+40	3.4 / 144.6		4.2 / 143.8		4.4 / 143.6	Center line of 22nd St			
+66	0.7 / 147.3	1.8 / 146.2	2.8 / 145.2	0.3 / 147.7	1.2 / 146.8				
# spk & witness			(158.8)			11.50	158.81	0.65	147.31
	147.0	146.4	145.4	148.2	148.0				
0	11.8 / 149.1	12.4 / 149.7	13.4 / 149.8	10.6 / 149.6	10.8 / 149.4	East line of 22nd St			
+25	9.7 / 151.8	9.1 / 151.8	9.0 / 151.4	9.2 / 151.1	9.4 / 151.0				
+50	7.0 / 153.9	7.0 / 153.7	7.4 / 153.1	7.7 / 153.0	7.8 / 152.9				
+75	4.9 / 155.8	5.1 / 155.8	5.7 / 155.3	5.8 / 155.2	5.9 / 154.9				
1	3.0 / 155.8	3.0 / 155.8	3.5 / 155.3	3.6 / 155.2	3.9 / 154.9				
+25	1.1 / 157.7	1.2 / 157.6	1.6 / 157.2	1.6 / 157.2	1.8 / 157.0				
#			(168.8)			11.25	168.79	1.27	157.54
+50	9.4 / 159.4	9.6 / 159.2	9.6 / 159.2	10.0 / 158.8	10.4 / 158.4				

Cross sections of H St from 15th to 26th.

Sta	North	Curb	Centr	Curb	South	+	HI	−	Elev
			(168.8)						
	7.4	7.9	8.1	8.3	8.7				
1+75	161.4	160.9	160.7	160.5	160.1		168.79		
	6.1	6.0	6.3	6.7	7.3				
2	162.7	162.8	162.5	162.1	161.5				
	5.8	5.6	5.7	6.1	6.5				
+10	163.8	163.2	163.1	162.7	162.3				
B.M.									
	4.3		4.7		5.5				
+25	164.5		164.1		163.3				
	3.3	3.5	4.0	4.4	4.8				
+40	165.5	165.3	164.8	164.4	164.0				
	2.8	3.0	3.5	3.6	4.0				
0	166.0	165.8	165.3	165.2	164.8				
#			(179.3)						
	11.9	11.6	12.1	12.5	12.9				
+25	167.4	167.7	167.2	166.8	166.7				
	10.3	10.7	10.9	11.2	11.4				
+50	169.0	168.6	168.4	168.1	167.9				
	8.8	8.8	9.3	9.4	9.7				
+75	170.5	170.5	170.0	169.9	169.6				
	7.1	7.2	7.5	8.0	8.2				
	172.2	172.1	171.8	171.3	171.1				
	5.3	5.5	6.0	6.4	6.5				
+25	174.0	173.8	173.3	172.9	172.8				
	4.1	4.4	4.8	5.0	5.4				
+50	175.2	174.9	174.5	174.3	173.9				
B.M. 24th & H cap tack in Plug									
	175.7	175.5	4.2	4.6	4.5				
1+60	3.6	3.8	175.1	174.7	174.8				
	2.4		2.8		3.0				
+80	176.9		176.5		176.3				
	0.8	1.0	1.4	1.5	1.7				
2	178.5	178.3	177.9	177.8	177.6				

West line of 23rd St

23rd & H St. s/k/ost 6.20 162.59

Center line of 23rd St

East line of 23rd St

11.69 179.28 1.20 167.59

West line of 24th Street

4.19 175.09

Center line of 24th St

Cross sections of LBSh from Sta to 26C

Sta	North curb		center curb		South curb
			(188.0)		
	8.5	8.8	9.4	9.8	10.0
0	179.5	179.2	178.6	178.2	178.0
	7.5	8.0	8.7	9.4	9.8
+25	180.5	180.0	179.3	178.6	178.2
	8.3	9.0	10.0	10.6	10.8
+50	179.7	179.0	178.0	177.4	177.2
	8.9	9.8	10.7	11.4	11.6
+75	179.1	178.2	177.3	176.6	176.4
	8.9	9.7	10.4	11.0	11.0
1	179.1	178.3	177.6	177.0	177.0
	8.2	8.7	8.9	9.6	9.4
+25	179.8	179.3	179.1	178.4	178.6
	6.4	6.8	7.2	7.0	7.1
+50	181.6	181.2	180.8	181.0	180.9
	3.5	4.0	5.0	4.7	4.8
+75	184.5	184.0	183.0	183.3	183.2
	2.6	3.4	3.8	4.1	4.0
2	185.4	184.6	184.2	183.9	184.0
	1.8	2.4	2.9	3.2	3.0
+25	186.2	185.6	185.1	184.8	185.0
	1.2	1.8	2.1	2.5	2.4
+50	186.8	186.2	185.9	185.5	185.6
	0.8	1.3	1.4	1.7	2.0
+75	187.1	186.7	186.6	186.3	186.0
#			(194.9)		
	6.9	7.6	7.4	8.0	7.9
+3	188.0	187.3	187.5	186.9	187.0
	6.9	7.0	7.8	7.1	7.2
+25	188.0	187.9	187.9	187.8	187.7
	5.5	6.1	6.1	6.2	6.1
+50	189.4	188.8	188.8	188.7	188.8
	5.0	5.4	5.4	5.7	5.8
+75	189.9	189.5	189.5	189.2	189.1

+	HI	−	Elev
	179.28		
10.01	187.98	1.31	177.97
East line of 21st St			
8.97	194.87	2.08	185.90

Cross-sections of 26th St from 15th to 26th

Sta		North curb	Center	South curb		+	H.I.	−	Elev.
			(194.9)						
		4.6	5.0	5.1	3.4				
4	c	190.3	189.9	189.8	189.5				
		4.5	4.7	4.8	5.3				
+25	c	190.4	190.2	190.1	189.6				
		4.3	4.6	4.7	5.2				
+50	c	190.6	190.3	190.2	189.7				
		4.2	4.4	4.5	5.0				
+75	c	190.7	190.5	190.4	189.9				
		3.9	4.5	4.4	5.0				
5	c	191.0	190.4	190.5	189.9				
		3.6	4.4	4.5	4.8				
+25	c	191.3	190.5	190.4	190.1				
		3.3	4.2	4.6	4.6				
+50	c	191.6	190.7	190.3	190.3				
		3.3	3.8	3.7	4.6				
+75	c	191.6	191.1	191.2	190.8				
		3.2	3.7	3.5	2.9				
6	c	191.7	191.2	191.4	192.0				
		3.5	4.4	4.6	3.9				
+16	c	191.4	190.5	190.3	191.0				
		6.2		6.3					
+50	c	188.7		188.6					
		8.5	8.6	8.8	8.8				
+84	c	186.4	186.3	186.1	186.1				
		9.3	9.4	9.8	10.0				
0	c	185.6	185.5	185.1	184.9				
B.M. 25th & D St. on N. Pkg.									
		10.3	10.3	11.1	11.3				
+25	c	184.6	184.6	183.8	183.6				
#			(184.9)						
		1.6	2.0	2.7	3.2				
+50	c	183.3	182.9	182.2	181.7				
		2.9	3.4	3.5	3.8				
+75	c	182.0	181.5	179.4	179.1				

194.47

West line of 25th St

Center line of 25th St

10.10 184.77

1.56 184.90 11.53 183.34

Cross-Sections of 26th St from 15th St to 26th St

Sta		North curb	Center curb	South curb	+	HI	−	Elev
			(184.9)			184.90		
		5.6	6.0	8.3	8.4	7.9		
1	C	179.3	178.9	176.6	176.5	177.0		
		8.7	9.6	10.2	10.5	9.6		
+25	C	176.2	175.3	174.7	174.4	175.3		
#			(175.6)					
		3.6	3.5	3.1	3.7	3.9		
+50	C	172.0	172.1	172.5	171.9	171.7		
		7.7	6.2					
+68	C	~~168.9~~	169.4					
		5.1	7.7	6.1	6.11	5.9		
+75	C	170.5	167.9	169.5	169.5	169.7		
		4.3	6.2	9.0	10.4	11.1		
2	C	171.3	169.4	166.6	165.2	164.5		
		2.1	3.0	4.2	7.6	9.6		
+25	C	173.5	172.6	171.4	168.0	166.0		
#		(186.1)	(186.1)	(175.6)				
		9.9	10.8	2.0	4.8	7.4		
+50	C	176.2	175.3	173.6	170.8	168.2		
		(186.1)			(186.1)	(175.6)		
		7.4	8.1	8.3	9.7	0.8		
+75	C	178.7	178.0	177.8	176.4	174.8		
				(186.1)				
		4.0	4.5	4.9	6.7	6.9		
3	C	182.1	181.6	~~182.2~~ 181.2	179.4	179.2		
#		(196.9)	(186.1)			(186.1)		
		10.7	0.5	2.2	3.7	4.3		
+25	C	186.2	185.6	183.9	182.4	181.8		
			(196.9)					
		7.7	8.2	9.6	10.4	11.3		
+50	C	189.2	188.7	187.3	186.5	186.6		

2.21 175.58 11.53 173.37

Bottom of Curve

11.52 186.05 1.03 174.55

11.38 196.87 0.56 185.49

Cross Sections of 26 St. from 15th St to 26th St.

Sta		North curb	Center	Curb	South
			196.9		
		6.2	6.4	7.2	8.3	9.0
3+75	C	190.7	190.5	189.7	188.6	187.9
		4.5	5.0	5.1	5.4	6.6
4	C	192.4	191.9	191.8	191.5	190.1
		3.5	4.0	4.6	5.5	5.2
+25	C	193.4	192.9	192.3	191.4	191.7
		2.9	3.2	3.9	4.6	4.7
+50	C	194.0	193.7	193.0	192.3	192.2
		1.5	2.3	2.7	3.6	4.1
+75	C	195.4	194.6	194.2	193.3	192.8
#				200.7		
		3.0	3.5	6.0	6.7	6.8
5	C	195.7	195.2	194.7	194.0	193.9
		3.6	4.4	4.9	5.8	6.3
+25	C	197.1	196.3	195.8	194.9	194.4
		3.5	4.0	4.3	5.0	5.2
+60	C	197.2	196.7	196.4	195.7	195.5

B.M. 26th & 26 St. Plug & tin

196.87

5.50 200.67 1.70 195.17

West line of 26th St

5.25 195.42

Inside curve

Sta	Deg	Tang
+ 50	5° 53.9'	
+ 25	2° 56.9'	
3	11° 47.9'	23° 34.7'
+ 93	10° 58'	
+ 75	8° 50.9'	
+ 50	5° 53.94'	
+ 36.5	4° 18'	
+ 25	2° 56.94	
2	11° 47.94'	23° 34.7'
+ 79	9° 49'	
+ 50	5° 53.94'	
+ 25	2° 56.94'	
+ 20	2° 21'	
1	11° 47.91'	23° 34.7'
+ 75	8° 50.94	
+ 50	5° 53.94	
+ 25	2° 56.97'	
Sta 0		

I 89° 46' P.I. Not set

B.C. 23° 34.7' curve to Right Semi Tangs 242.11

Rad 243'

Sta	Abf	Tang
3+80		
+75	8° 50.9'	
3+55	6° 29'	

Outside Curve

Sta	Def	Tan	
+85	18° 03'	36° 06'	89° 46'
+75	16° 55.2		
+50	14° 06'		
+25	11° 16.8		
3	8° 27.6		
+75	5° 38.4		
+50	2° 49.2'		
+25	20° 04.2	40° 08.2	
2	17° 15'		
+75	14° 25.8		
+50	11° 36.6'		
+25	8° 47.4		
1	5° 58.2		
+75	3° 09		
+47.13	6° 46'	13° 32'	
0	.00		

Outside curve at H & Alt

Sta	Def	tang	Index
+			
+			
+			
+			
+			
+			
+			
+			
0			

B.C. 7 Left Rad 75'

Inside curve of H & Att

Grades for curve at 5th & Lb St

Sta	+	HI	Grade	Rod	
B.M	3.45	51.83			48.78
2+69			45.75	6.08	
3			46.31	5.52	
center of curve			46.31	5.52	
2			46.89	4.94	
1+69			46.43	5.40	
			46.73	5.10	✓
			46.43	5.40	
			46.29	5.54	

51.83
5.47
46.36

5.32
19
5.49

54

5.89
5.81
.08

46.

46.33

51.83
45.53
~~46.30~~

31' S of Lb St
S line II St

W line of 5th
31' W of 5th St

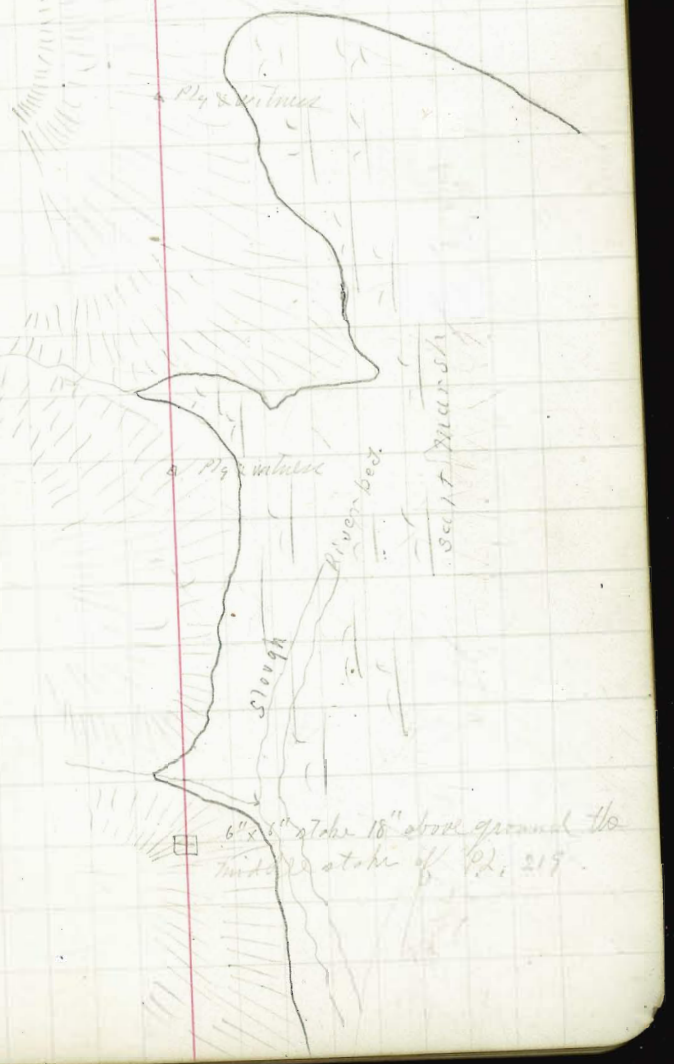
frog on Lb St
middle of curve
frog on 5th

Aug 3 1882 Hamlin & Party

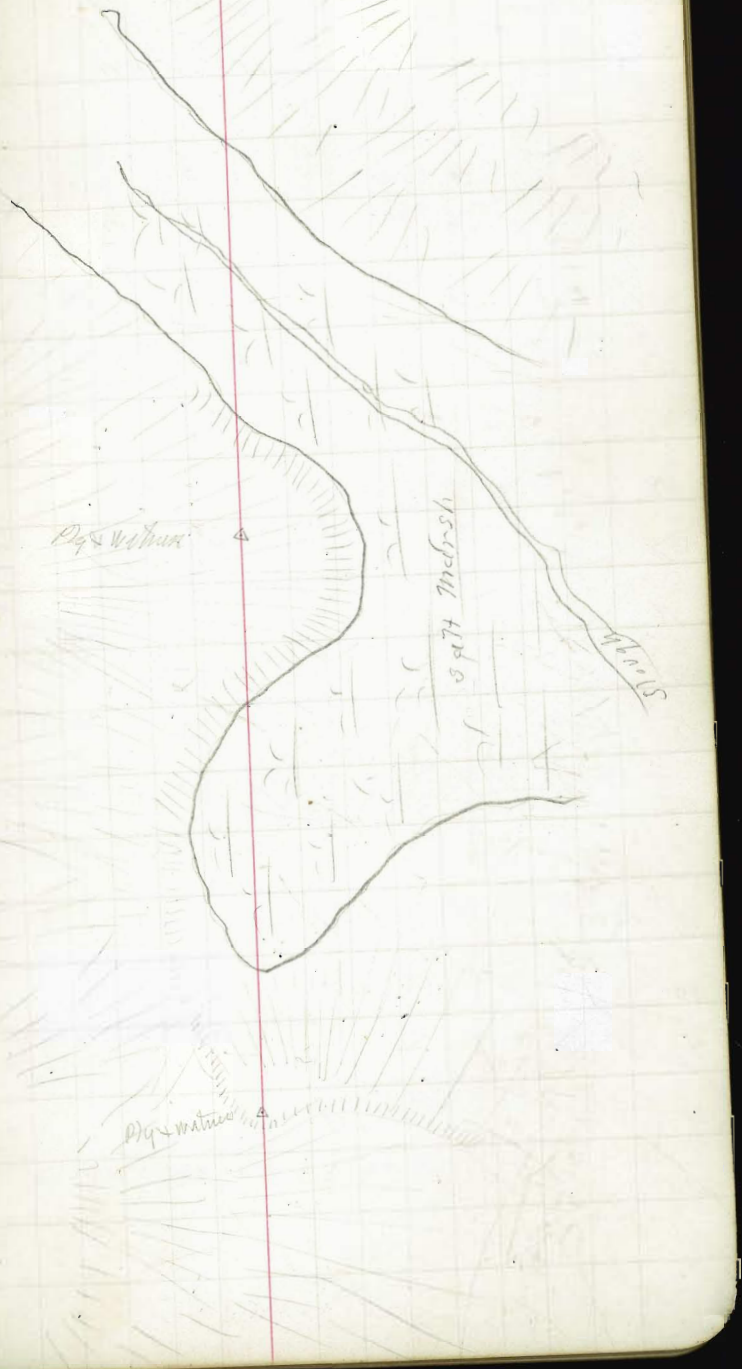
Traverse Line from middle cen of P.L. 219 to Sta 87+02.7 or traverse from old Town to New Roseville

Sta	Dep	course	vert. Angle	Rod	H.I.
16					
15					
17					
13					
12					
+86.3'			0° 0'	8.09	810.3
11					
10					
9					
8					
7		S22°0'W			
6					
+92.8'			-1° 0'	5.93	693.8
5					
4					
3					
2					
1		S22°0'W			
0			0° 0'	5.915	592.8

Sta 0 is the center of P.L. 219 ~~P.L. N.E.~~



Sta	Def	Course	Vert Angle	Rod	Dist
38					
37					
36					
35					
34					
33					
32					
31					
30					
29					
+77			+2° 40'	909.5	
28					
27					
26					
25					
24					
23					
22					
21					
20					
+63.3			-0° 30'	8.80	880.7
19					
18					
17					



Sta		Def	Course	Vert Angle	Rod	Dist.
54						
+28.6	S 20° 10' W					
53		2° 05' h		− 0° 40'	7.62	762.8
52	S 22° 15' W					
51						
+61.6				− 0° 40'	2.66	267.0
50						
49						
48						
47						
46						
45						
44						
+14.1				0° 0'	7.465	747.5
43	S 22° 05' W					
42						
+27.1				+ 0° 40'	1.86	187.0
41						
40	S 22° 05' W					
39						
38						
+86.8'				+ 2° 30'	3.40	340.3
37						
36						

Sta	Def	Course	Vert. Angle	Rod	Dist.
72 +51 +05.9			+0° 40'	597.5	598.3'
71					
70					
69					
68					
67					
66 +29.2'			+1° 30'	4.76	476.7
65					
64					
63					
62					
61					
60 +91.4	87° 43' L		-1° 0'	5.37	537.8
59					
58					
57					
56					
55					
54					

567° 35' E

.09

Comb. Loma pipe line 71 + 87

Plug & witness

Plug cor of Loma Heights

Sta	Def	Course	Vert Angle	Rod	Dist.	
91 +58.5	N 45° 05' E; S 67° 45' W; 67° 12' R.		-1°	3.87	387.9	○ Plg Pile of Rock
90 +47.1	67° 15' L.		+0° 30'	110.5		⊙ Plg & witness
89						
88						
87						
86 +88.8'			+5° 0'	3.60	358.0	△ Plg N Cor of Loma Heights
85						
84						
83						
82 +21			+0° 40'	4.67	467.8	
81						
80						
79						
78			+6° 0'	5.215		
77 +04.2'			+6° 0'	4.74		
76						
75						
74						
73						

Sta	Dep	Course	Vert Angle	Rod	Dist
Sta + 08.22	87+02.7 90°6' to	on Traverse from Old Sour			
104					
103					
102					
101					
100					
99					
+ 64.18'			−14°50	5.815	544.4
98					
97					
+ 92.1			−9°0'	1.76	172.7
96					
+ 46.4			−5°30'	1.46	145.7
95					
94					
93					
92					

Bay of San Diego

Plg in Pile of Rock

Plg in Pile of Rock

Plg in Pile of Rock

Sta	Def	Course	Vert. Angle	Rod	Dist

Slopes on 16th St 15th to 26th
Aug 6 1891 Hamlin & Party

Sta	
0	East line of 15th St
+25	
+50	
+75	
1	
+25	
+50	
+75	
2	
+08	
+40	Center line of 16th St
0	

Slope		North	South		Slope	Area
		+0.4	+0.1			
		-0.3	-0.4			
		-1.2	-0.7			
Area		-1.9	-1.0			
10.9	6.3 / -4.2	-3.5	-2.1			
22.0	12 / -8.0	10.0 / -7.2	-3.7	-3.3	15.0 / -11.5	18.2 / -12.1	38.4
30.4		13.5 / -9.0	-4.5	-4.1	15 / -11.8	18.5 / -12.3	47.4
115.1	15.5 / -10.3	4.0 / -5.9	-5.1	-5.4	6.0 / -6.9	15.9 / -10.6	36.3
29.8	-13.2 / -8.8	-8.0 / -6.3	-5.8	-6.3	11.4 / -7.6		35.9
27.0		9.0 / -6.0	-6.0	-5.5	9.0 / -6.0		24.8
		0.0 / -6.5		-6.3	14.8 / -9.9		67.5

Fence

Bridge

popular conf'g 6.3 c.y.

Grade at 19' from 2+08

Slopes on 18th & 15th to 26th St.

Sta		Area
0	East line of 16th (bottom of bank)	
+ 25	Bulkhead built from	146.5
+ 50	0 to 5th & 0+25 on N	148.6
+ 75		125.9
1		118.3
+ 25		130.9
+ 50		147.7
+ 75		164.8
2		184.9
+ 20	Centre line of 17th	139.7
0	East of 17th	100.8
0	" " " top of bank	98.1
+ 25		83.6
+ 50		53.6
+ 75		20.7

Slope	North	South	Slope	Area
	-6.5	-6.3	1.0 / -9.4	19.8 / -8.5	67.5
21.2 / -11.1	1.0 / -14.5 -6.8	-7.0	1.0 / -11.3	17.7 / -11.8	97.3
20.7 / -13.8	1.0 / -14.4 -7.3	-7.3	1.0 / -12.6	19.0 / -12.7	116.8
22.6 / -15.1 -14.2 -11.7	1.0 / -11.2 -7.9	-8.0	{ House bet. Sta 0+50 & 0+75		
			1.0 / -10.5	18.5 / -12.3	93.7
19.7 / -12.9	1.0 / -12.2 -8.7	-8.6	1.0 / -12.8	19.0 / -12.7	119.2
20.2 / -13.4	1.0 / 13.2 -9.3	-9.2	1.0 / -13.2	19.8 / -13.2	128.3
21.3 / -14.2	1.0 / -14.1 -9.5	-9.9	1.0 / -13.1	19.8 / -13.2	127.7
22.8 / -15.2	1 / -14.7 -10.4	-10.3	1.0 / -12.5	17.0 / -11.3	105.4
23.6 / -15.7	1.0 / -15.9 -11.1	-10.5	13.6 / -9.0		71.4
23.7 / -15.4	-12.1	-9.8	4.0 / -7.9	9.9 / -6.6	44.1
18.0 / -12.0	-11.2	-9.4	5.4 / -3.6		25.4
18.0 / -12	-10.9	-3.2	4.3 / -2.7		6.7
16.9 / -11.3	-9.9	0.0			0.0
13.4 / -8.9	-8.0				
7.8 / -5.2	-5.3				

Slopes on B St. from 18th to 26th

		Area
0	East line of 19th	6.7
+25		27.0
+50		27.5
+75		60.9
1		57.8
+25		54.6
+50		39.6
+75		27.4
+90		22.8
2	West line of 20th	15.3
+06		3.1
+40	Center line of 20th	1.2
0	East line of 20th	0.6
+05		2.5
+25		5.3
+50		3.0
+75		7.1
1		12.0
+25		18.6
+50		18.7

Slope	North		South		Slope Area
	4.6 / -3.1	-2.9	-1.7	2.4 / -1.6	2.0
	10.0 / -6.6	-5.4	-1.7	2.5 / -1.7	2.1
	10.0 / -6.6	-5.5	-2.5	3.6 / -2.4	4.5
	14.0 / -9.3	-8.7	-2.7	4.1 / -2.7	5.5
	14.1 / -9.4	-8.2	-3.2	4.1 / -2.8	6.6
	13.0 / -8.7	-8.4	-3.0	3.6 / -2.4	5.4
	10.7 / -7.1	-7.4	-2.7	2.9 / -1.9	3.9
	8.7 / -5.8	-6.3	-4.5	3.0 / -2.0	6.8
8.0 / -5.3	6.5 / -4.3	-5.7	-4.7	3.5 / -2.4	4.4
	3.0 / -2.0	-2.1			
	1.9 / -1.3	-1.3	-0.8	1.2 / -0.8	1.5
	1.2 / -0.8	-0.8	-0.6	0.9 / -0.6	.3
	2.6 / -1.8	-1.9	-1.7	2.5 / -1.7	2.1
	3.9 / -2.6	-2.7	-5.7	7.0 / -5.0	20.0
	2.7 / -1.8	-2.2	-6.1	9.5 / -6.3	28.9
	4.6 / -3.1	-3.1	-7.0	11.0 / -7.3	11.1 / -7.4	39.1
	6.0 / -4.0	-4.0	-4.4	1.0 / -7.4	11.0 / -7.4	39.0
	7.6 / -5.1	-4.9	-4.5	6.0 / -7.3	10.9 / -7.3	31.5
	8.5 / -5.7	-4.4	-3.5	9.5 / -6.3		16.6

Slopes on 18th from 15th to 26th

+.75

2 West line of 21st

+.40 Center line of 21st

0 East line of 21st

+.05

Slope	North		South		Slope
alley 16.0	$\frac{6.8}{-4.5}$	-4.4	-4.2	$\frac{6.9}{-4.6}$	14.5 alley
12.7	$\frac{5.9}{-3.9}$	-4.3	-4.2	$\frac{6.3}{-4.2}$	13.2
6.0	$-\frac{4.3}{2.8}$	-2.8	-3.7	$\frac{5.5}{-3.7}$	10.1
6.2	$\frac{4.3}{2.8}$	-2.9	-2.6	$\frac{3.9}{-2.6}$	5.0
5.6	$-\frac{3.9}{2.6}$	-2.9	-2.6	$-\frac{3.9}{2.6}$	5.0

Slopes on D St. from 15th to 26th

		area
6+84	Sidewalk East side of 25th	20
0	East line of 25th	41
+25		9.5
+50		17.6
+75		27.0
1		57.2
+25		109.8
+50		184.7
+68		311.1
+75		227.2
2		208.8
+25		159.6
+50		114.7
+75		73.4
3		34.8
+25		6.1
+50		0

Slope	North	South	Slope	area
	2.5 / 1.7	-1.6	-0.7	0.9 / -0.6	0.3
	3.4 / -2.3	-2.4	-2.2	3.4 / -2.3	3.7
	5.4 / -3.6	-3.5	-3.6	5.1 / -3.4	9.2
	7.2 / -4.8	-4.9	-5.2	8.1 / -5.4	21.1
	8.8 / -5.9	-6.2	-7.3	10.2 / -6.8	37.2
	12.7 / -8.5	-9.0	-10.3	13.8 / -9.2	71.1
	18.0 / -12.0	-12.2	-13.0	18.4 / -12.3	119.6
	23.6 / -15.7	-16.5	-15.8	23.3 / -15.5	184.1
30.2 / -20.1		-20.6			
	25.1 / -16.7	-18.1	-17.9	27.4 / -18.2	245.2
	24.0 / -16.0	-17.4	-23.2	16 / -27.7	26.7 / -17.9	412.5
	21.0 / -14.0	-15.2	-21.7	15 / -26.3	32.0 / -21.3	423.6
	18.2 / -12.1	-12.6	-19.6	35.4 / -23.6	846.9
	14.4 / -9.6	-10.2	-13.1	22.1 / -14.7	144.7
	10.1 / 6.7	-6.9	-8.8	14.7 / -9.8	64.7
	4.2 / -2.8	-2.9	-6.3	9.5 / -6.4	29.9
		0.0	-2.6	4.0 / -2.7	5.2
			0		0.0

	North			South		
	Elev	Grade	cut	Elev	Grade	cut
0	57.9	57.50	+ 0.4	56.6	56.50	+ 0.1
+ 25	57.0	57.3	- 0.3	56.0	56.4	- 0.4
+ 50	55.9	57.1	- 1.2	55.7	56.4	- 0.7
+ 75	55.0	56.9	- 1.9	55.3	56.3	- 1.0
1	53.3	56.8	- 3.5	54.1	56.2	- 2.1
+ 25	52.9	56.6	- 3.7	52.9	56.2	- 3.3
+ 50	51.9	56.4	- 4.5	52.0	56.1	- 4.1
+ 75	51.1	56.2	- 5.1	50.7	56.1	- 5.4
2	50.2	56.0	- 5.8	49.7	56.00	- 6.3
+ 40	49.9	56.0	- 6.1	49.5	56.0	- 6.5
0	49.5	56.00	- 6.5	49.7	56.00	- 6.3
+ 25	50.2	57.00	- 6.8	50.0	57.0	- 7.0
+ 50	50.7	58.0	- 7.3	50.7	58.0	- 7.3
+ 75	51.1	59.0	- 7.9	51.0	59.0	- 8.0
1	51.3	60.0	- 8.7	51.4	60.0	- 8.6
+ 25	51.7	61.0	- 9.3	51.8	61.0	- 9.2
+ 50	52.1	62.0	- 9.9	52.1	62.0	- 9.9
+ 75	52.6	63.0	- 10.4	52.7	63.0	- 10.3
2	52.9	64.00	- 11.1	53.5	64.00	- 10.5

East line of 15th St

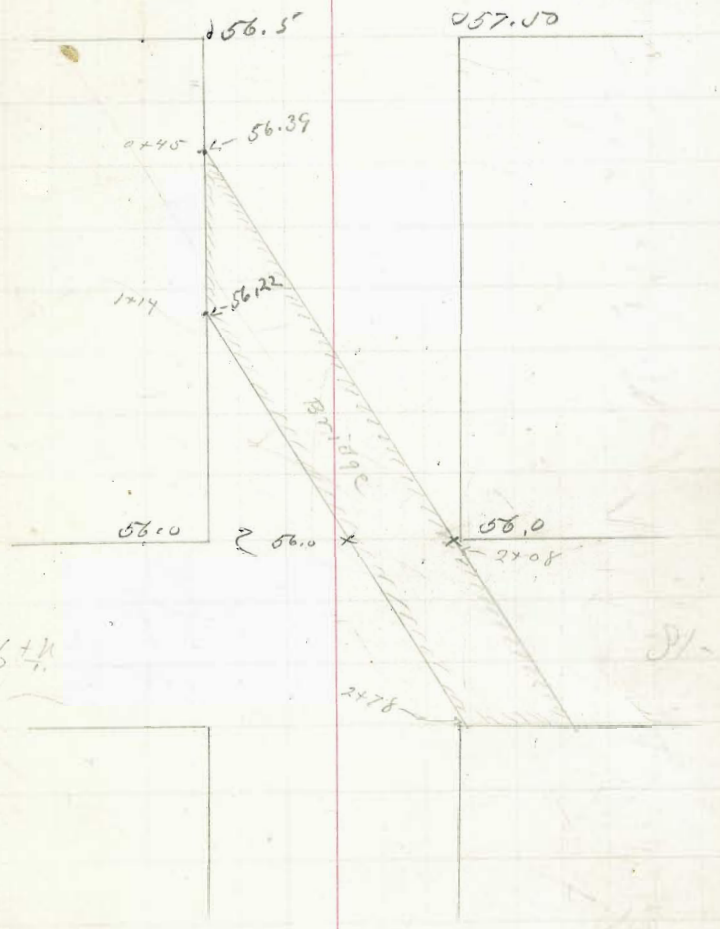
West line of 16th

East line of 16th

West line of 17th

+40	52.14	64.5	-12.1	54.17	64.5	-9.8	
D	53.8	65.0	-11.2	55.16	65.0	-9.8	East line of 178

Sketch showing bridge at 27+16 ft.



June 25 1892

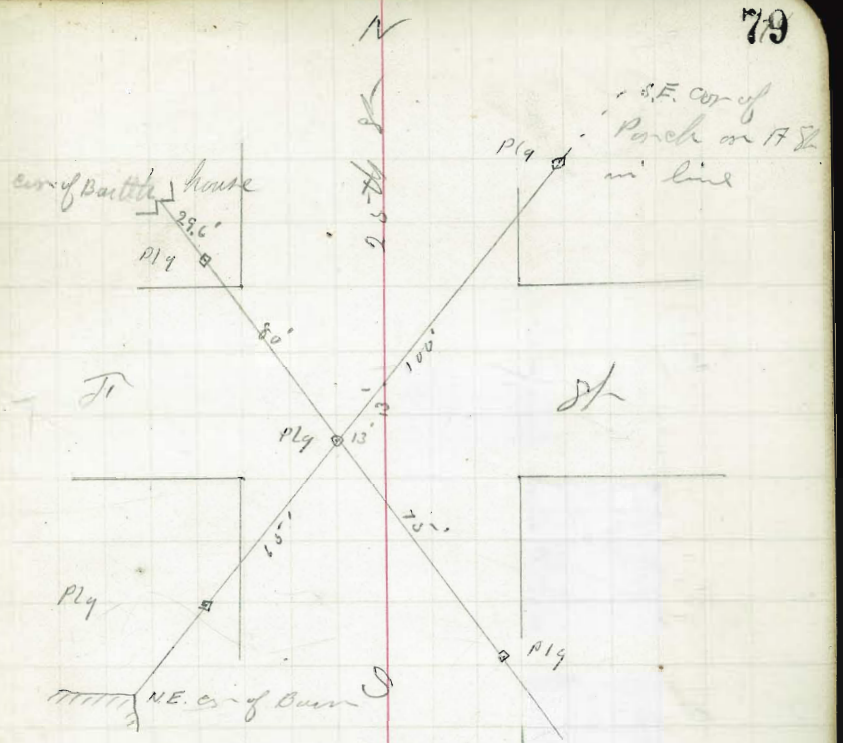
Grade for Inspect at 5th & Maple

Sta	+	HO	−	Elev
B.M. 5th & Maple	5.46	263.60		258.14
			Street 258.00	Rail 5.60
~~H~~	5.93	266.97	2.56	261.04
			3.17	263.80

S Line of Maple St

2640° S 85° 15' W

Westing	Southing
1523.67	2155.93
48.78	SH & NB
46.53	NH & SB



30th &	V	Both cors on East
30th &	T	" cor's " "
"	S	N.E. cor in
"	R	S.E. cor "
"	Q	S.E. cor in
"	P	Both cors in on East
"	O	N.E. cor in
31st	O	Both cors in on East
31st &	P	Both " " " "
31st	Q	Both in on West
31st &	R	N.E. cor in

24.59

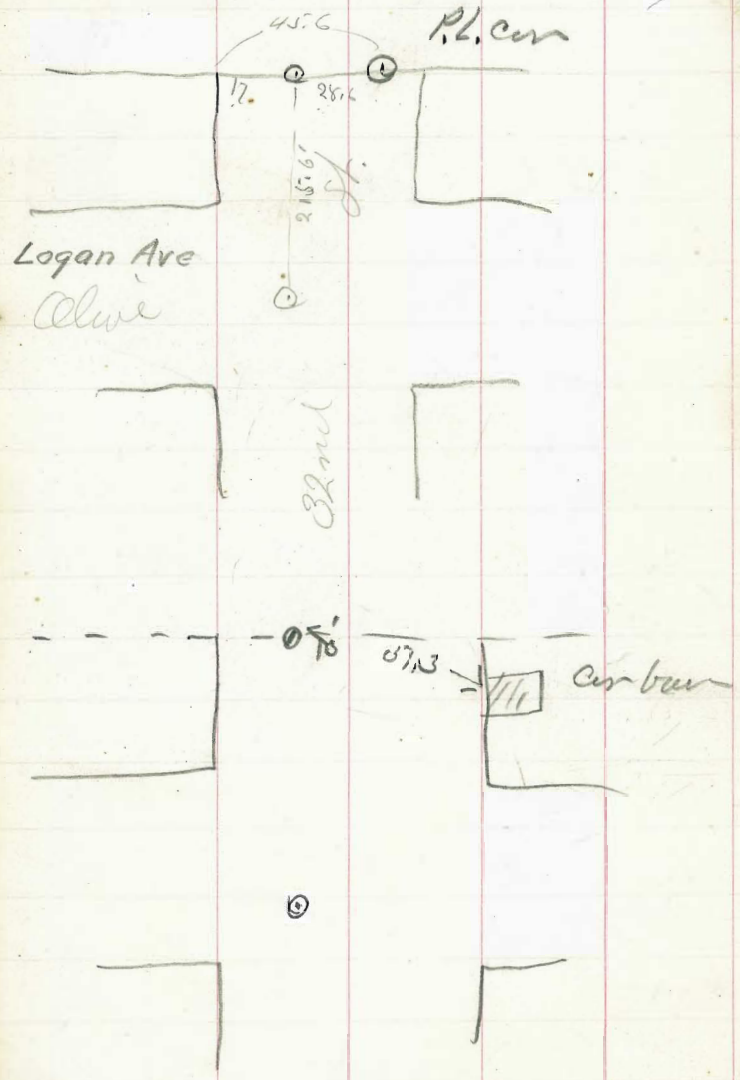
at U & 30th St. old centre 8 W & 6' S

55

60.52
9.93
50.59
49.24
1.35

5.10
17
5.27

On 29th St 221.57 from center of Olive
North to Pueblo line



235.76
4.08
231.68
4.64
236.32
1.10
2

236.32
10.965
225.355
3.03
228.385
11.94
216.445
27
216.715
11.555
205.16
0.31
~~204.85~~

205.47
11.43 −
194.04
1.255 +
195.295
5.075
190.210

12400.
1582.7
13982.7

195.295
5.705
189.590

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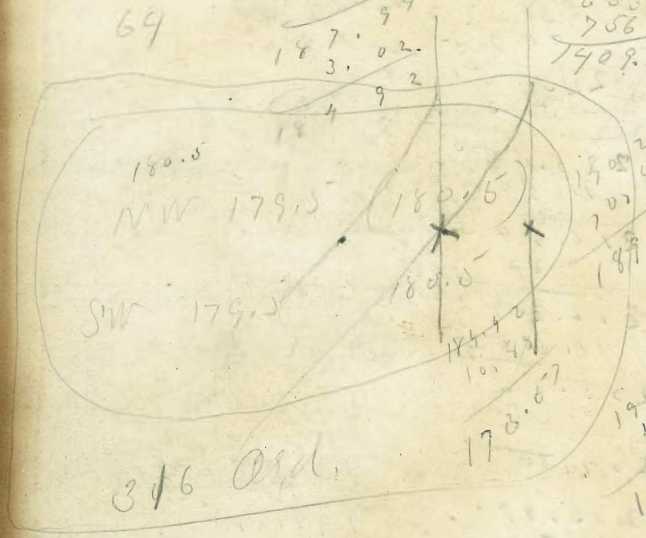

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