1172

POST

FIELD BOOK

No. 335

Book 1172

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No. 382 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 4 x 4 to the inch, Center Line Red.

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THE FREDERICK POST CO.

ENGINEERING and DRAFTING SUPPLIES

IRVING PARK STATION

CHICAGO, ILL.

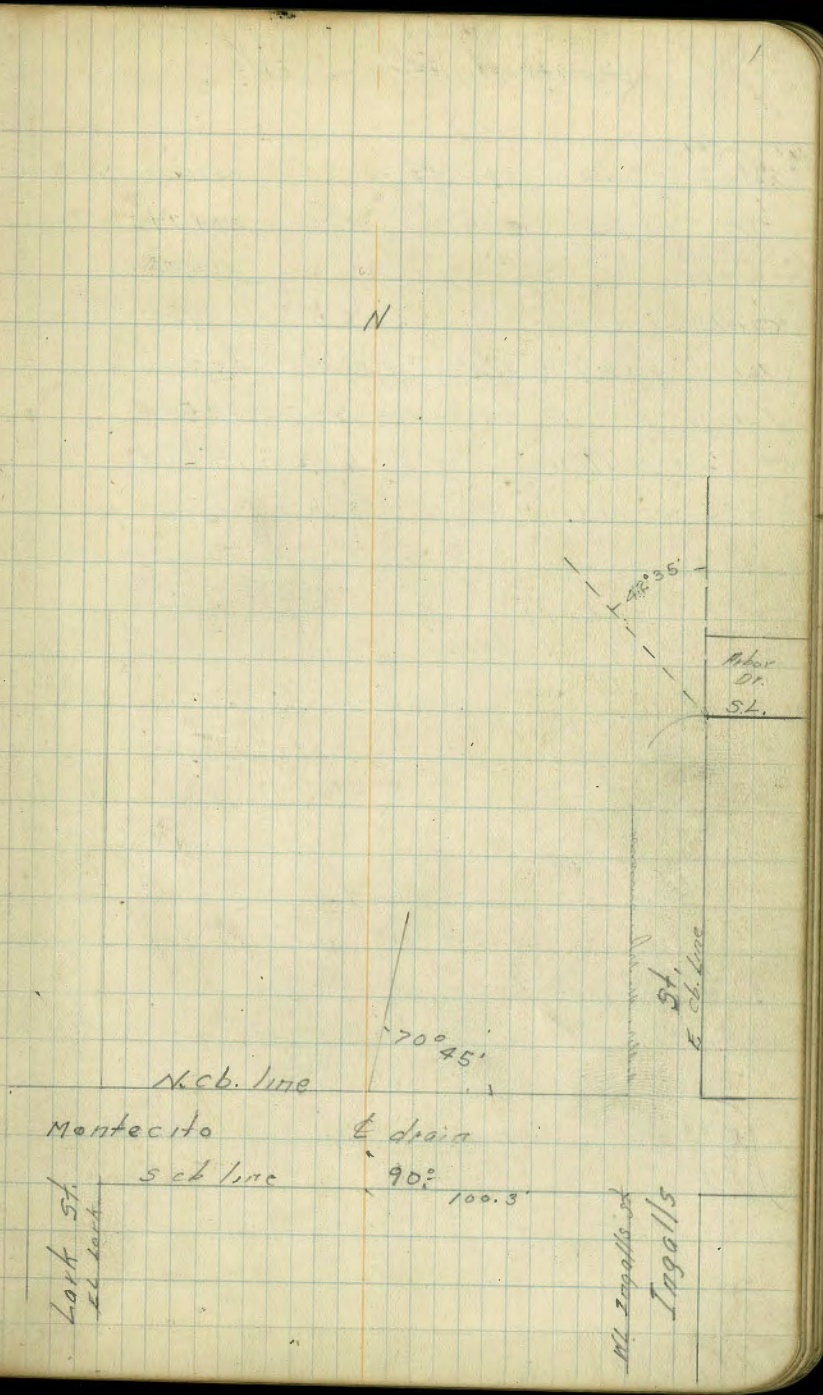
INDEX

Levels for Drain on Montecito Between Lark & Ingalls St.

B.M. S.W. B.P. Montecito & Jackdaw	1.45	276.95		275.50
T.P. South Cb = - 0 + 30	2.40	~~269.40~~ 269.90	9.45	267.00
			3.38	266.5
Grading			4.0	265.9
Flow line 12" Corrugated pipe N cb = 0 + 00			6.03	263.9
			5.0	264.9 = Ground Elev.
+ 5			4.2	265.7
+ 15			13.2	256.7
+ 30			26.2	243.7
+ 39			30.8	239.1
+ 46			38.6	231.3
+ 51			39.6	230.3
+ 68			43.0	226.9
+ 97			50.5	219.4

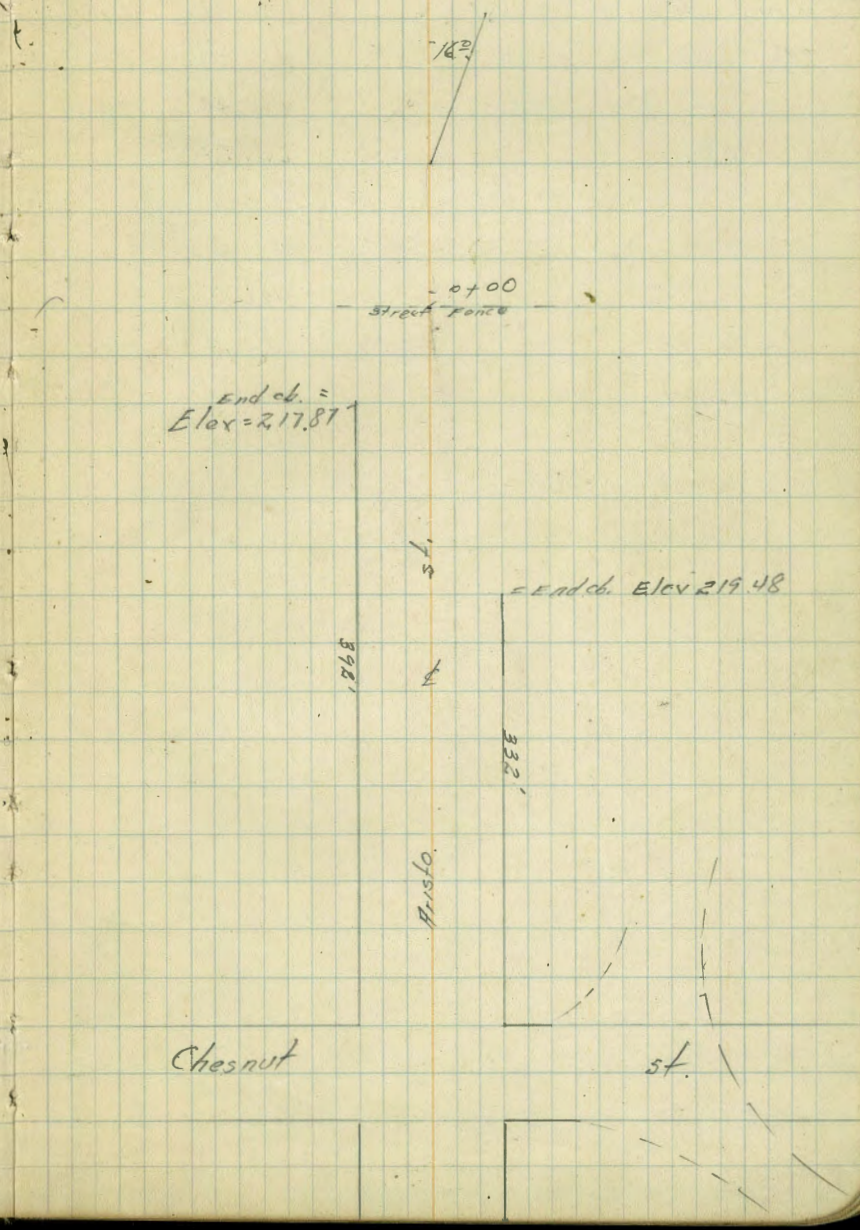
Levels for Drain on Ingalls St. from St. Arbor Dr.

B.M. S.W. B.P. Montecito & Jackdaw	2.50	278.00		275.50
T.P. St. Arbor Dr. = 0 + 00 top cb	0.38	269.43	8.95	269.05
			7.39	267.04
+ 09			7.9	261.5
+ 26			20.8	248.6
+ 40			36.3	233.1
+ 66 = Top ditch			51.1	218.3
+ 79 = Bottom ditch			65.3	204.1



Levels for Drain
& Southerly End Arista st.

S.E. top Ch. Arista & Chesnut	0.49	232.49		232.00	Chesnut & Arista
T.P.	1.35	221.14	12.70	219.79	
480. South & S.L. Chesnut = 0+00			6.7	214.44	
0+13			7.5	213.64	
T.P.	0.79	208.65	13.28	207.86	
T.P.	2.82	198.42	13.05	195.60	
0+66 = △ 16° R			6.18	185.87	
0+96 = End Line			13.6	184.82	



Walker 12/18-26

X Section of Intersection Arista & Hickory St

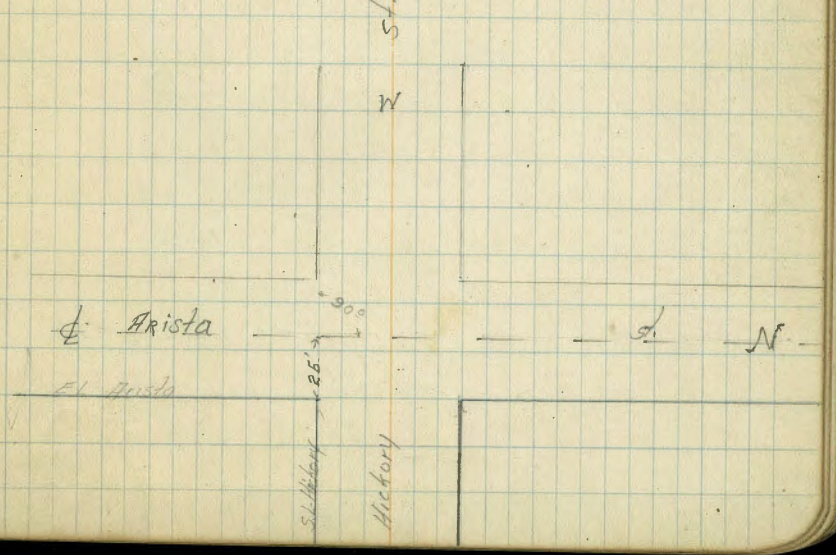
From ℄ Arista to WL Arista thence 50' West.

10' chs 7.5' ½

BM TP NE Angle in x Hickory St	0.52	250.54		250.02
TP	0.42	237.93	13.03	237.51
		Center Line		
N			6.5	231.43
cb			5.9	232.0
¼			5.7	232.2
c			5.2	232.7
¼			6.2	231.7
cb			6.7	231.2
S			6.8	231.1
	W ¼			
S			6.7	231.2
cb			6.5	231.4
¼			6.2	231.7
C			6.0	231.9
+6			6.1	231.8
¼			6.9	231.0
cb			9.6	228.3
N			11.5	226.4
+10			11.1	226.8
	W cb			
−10			15.5	222.4
N			15.4	222.5
+6			14.3	221.6
cb			13.3	224.6

237.93

¼		10.0	227.9
C		7.4	230.5
¼		7.1	230.8
cb		6.8	231.1
S		7.0	230.9
WL Arista = 0+00			
S		7.5	230.4
cb		7.7	230.2
¼		10.5	227.4
C		13.8	224.1
¼		18.8	219.1
cb		19.7	218.2
N		22.2	215.7
+20		25.6	212.3



237.93

0+15

-25	35.7	202.2
-10	33.9	204.0
N	28.6	209.3
cb	27.0	210.9
+2	32.6	205.3
½	29.3	208.6
c	21.8	216.1
½	15.2	222.7
cb	10.1	227.8
S	7.2	230.7
	17' West WL	
S	7.2	230.7
cb	9.3	228.6
+3	9.2	228.7
½	13.5	224.4
c	20.5	217.4
½	24.0	211.9
cb	31.3	206.6
N	37.9	200.0
+5	37.7	200.2
+15	35.4	202.5
+25	37.8	200.1
	26' West WL	
-30	43.1	195.8
-13	39.1	198.8

237.93

N	38.3	199.6
cb	35.9	202.0
½	30.7	207.2
c	20.2	217.7
½	13.6	224.3
cb	9.9	228.0
S	6.4	231.5
	35' West WL	
S	5.5	232.4
cb	8.0	229.9
½	11.9	226.0
c	15.3	222.6
½	22.8	215.1
cb	28.9	209.0
N	33.7	204.2
+10	36.9	201.0
+18	39.1	198.8
+40	52.7	185.7
	50' West WL Brush	
-50	53.2	184.7
-45	50.3	187.6
-37	44.4	193.5
N	24.4	213.5
+5	20.9	217.0
cb	17.2	220.7
½	15.4	222.5

		237.93		
C			12.5	225.7
W			9.7	228.1
B.			7.0	230.9
S.			5.0	232.9
T.P.	5.05	23878	4.20	233.73
			6.83	
TP on SE Return Chestnut & Arch				231.95
			=	232.00
				0.05

T. Section 20 Alley Blk. 45 Walther Addition
Shermans Add.
Bet. 22nd + 23rd + K + L
1-4-27

B.M. N.E.B.P. 22nd + East E.L. 22nd = 0+00	12.80	88.75		75.95
				86.86
South Paving			1.89	~~86.9~~ 87.28
℄ "			1.47	87.3 88.17
North "			0.63	88.2
T.P.	8.60	96.57	0.78	87.97
		5' East.		
N			4.9	91.7
-5			7.9	88.7
℄			8.3	88.3
+4			8.3	88.3
S			7.3	89.3
		50' East		
S			5.1	91.5
℄			5.6	91.0
+6			3.4	93.2
N			1.3	95.3
		80' East.		
N			1.7	94.9
℄			3.7	92.9
S			4.2	92.4
+7 = ℄ Side Entrance Garage dirt Floor			4.5	92.1
		100' East.		
S			4.5	92.1
℄			3.5	93.1
N			1.8	94.8

Plotted 1/7/27 J.B.

96.57

130' East

N	3.3	93.3
℄	5.0	91.6
S	5.8	90.8
+2? = Cement Walk 4' wide	6.05	90.5
134' East		
9-6 = West edge double Garage dirt Floor	6.5	90.1
S	6.0	90.6
℄	5.5	91.1
+8.4 = Side entrance (dirt Floor) West edge Shop Barn & Garage's	3.5	93.1
N	3.5	93.1
+2.4 = North edge of above Garage	2.4	94.2
150' East		
N		
+1 = East edge Garage	4.6	92.0
℄	6.3	90.3
S	6.7	89.9
+6 = East edge double Garage dirt Floor	6.7	89.9
190' East.		
S	9.4	87.2
℄	9.0	87.6
N	8.2	88.4
+5 = West edge double Garage dirt Floor	8.3	88.3
210' East		
N-5 = East edge double Garage dirt Floor	8.8	87.8
N	9.6	87.0

		96.57		
℄			10.6	86.0
+ 9.3			11.3	85.3
222' East = ℄ Garage on South dirt Floor				
S			12.4	84.2
234' East				
S			13.1	83.8
℄			12.6	84.0
N = [illegible]			11.9	84.7
+ 3.5 = West edge double Garage dirt Floor			12.3	84.3
T.P.	0.15	84.12	12.60	83.97
257' East = double Garage on North				
N-3.5			0.10	84.0
N			0.1	84.0
℄			2.1	82.0
S			2.5	81.6
265' East				
S			3.3	80.8
℄			3.0	81.1
N			2.4	81.7
280' East = Garage on South dirt Floor				
N			3.2	80.9
℄			4.9	79.2
S = Garage			4.7	79.4
330' East				
S			8.3	75.8
℄			8.4	75.7

		84.12		
N			7.3	76.8
365' East = double Garage on North dirt Floor				
N = West edge double Garage dirt Floor			9.0	75.1
℄			9.9	74.2
S			9.9	74.2
383' East				
S			10.7	73.4
℄			11.0	73.1
N = East Edge double Garage dirt Floor			9.9	74.2
400' East = Double Garage on North				
N = West edge Garage dirt Floor			11.0	73.1
℄			11.8	72.3
S			11.4	72.7
408' East = WL 24th St				
S = edge Paving			12.32	71.80
℄ = " "			12.23	71.89
N = " "			11.82	72.30
TP	0.06	72.09	12.09	72.03
TP			9.24	62.85
				62.89 = BM NE Cr 24th + L
				+0.04

Plotted 1/1/27 J.B.B.

Check

X Section 20 Alley Blk. 223
SAN DIEGO LAND + TOWN Co.
Bet. IRVING + Julian
Sampson + Sicard

Walker
Walbreck
McHugh
1-4-27

BM NW cor. Julian + Sampson	0.70	88.20 ~~81.27~~		87.54 ~~80.57~~
T.P.	2.20	82.70 ~~75.73~~	7.74	80.50
WL Sicard St = 0+00				
S. cb.			7.62	75.08
℄ on M.Hole			7.83	74.87
N cb			7.40	75.30
32' West = Garage on North dirt Floor				
N-1			7.0	75.7
N			7.0	75.7
℄			7.3	75.4
S			7.0	75.7
46' West = Garage on North dirt Floor				
N-4± = Garage			6.9	75.8
50' West				
S = ℄ 20" Concrete Ribbon			6.80	75.90
54.7' West				
S = ℄ 20" concrete Ribbon			6.71	75.99
85' West				
S			5.0	77.7
℄			5.4	77.3
N			5.3	77.4
100' West = East edge double Garage on South dirt Floor				
N			5.2	77.5
℄			5.2	77.5
S = Garage			4.9	77.8

8

~~75.73~~
82.70

121' West = West edge double Garage on South dirt Floor			
S		4.9	77.8
℄		5.0	77.7
N		5.0	77.7
144' West = {℄ single Garage on North dirt Floor; ℄ Double " " South " "}			
N-0.3		4.4	78.3
N		4.4	78.3
℄		4.9	77.8
S		4.8	77.9
+3		4.7	78.0
160' West = Garage on North dirt Floor			
S		4.3	78.4
℄		4.5	78.2
N		4.0	78.7
+3 = Garage		4.0	78.7
178' West = East edge double Garage on South dirt Floor			
N		4.0	78.7
℄		4.0	78.7
S		4.3	78.4
+2 = Garage		4.3	78.4
200' West = West edge double Garage dirt Floor			
S+2		4.3	78.4
S		4.3	78.4
℄		4.1	78.6
+9.7 = East edge CYPRESS Hedge		3.9	78.8
222' West = West edge Cypress Hedge 0.30 in Alley			

~~75.1~~
82.70

T.P.	7.26	86.01	3.95	78.75
		232' West = East edge double Garage on North dirt Floor		
N + 0.30			7.1	78.9
N			7.1	78.9
℄			7.4	78.6
S			7.3	78.7
		240' West = ℄ Garage on South Concrete Floor		
S - 0.5 = Garage			7.22	78.79
		260' West = East edge double Garage on South dirt Floor / West edge " " North " "		
S			6.8	79.2
℄			7.1	78.9
+ 9.7 = Garage (West edge)			7.0	79.0
		275' West = West edge double Garage on South dirt Floor	6.9	79.1
		315' West = ℄ Garage on North dirt Floor		
N			5.6	80.4
℄			6.2	79.8
S			5.8	80.2
		330' West = 5.5 from ℄ M Hole		80.50
		350' West		
S			5.2	80.8
℄			5.7	80.3
N			5.4	80.6
		394' West = Garage dirt Floor on South	5.3	80.7
		408' West = Garage on North Concrete Floor		
N - 2.3 = Garage			4.23	81.78
N			4.6	81.4

~~79.01~~
86.01

℄	5.0	81.0
S	4.9	81.1
	425' West = ℄ Garage on South Concrete Floor	
S - 1 = Garage	4.45	81.56
S	4.5	81.5
℄	4.3	81.7
N	4.6	81.4
	457' West = ℄ Garage on North dirt Floor	
N - 3	4.1	81.9
N	4.1	81.9
℄	4.3	81.7
S	3.8	82.2
	491' West = ℄ Garage on South dirt Floor	
S	4.0	82.0
℄	4.4	81.6
N	4.0	82.0
	500' West = East edge Barn on North 0.50 in Alley (Barn 15' Wide)	
	505' West = ℄ Garage on South dirt Floor	
N + 0.5 = Barn	3.8	82.2
℄	4.2	81.8
S	4.0	82.0
+ 3.5 = Garage	4.3	81.7
	535' West	
S	3.4	82.6
℄	3.5	82.5
N	2.8	83.2

~~79.04~~
86.01

555' West = ℄ Garage on North dirt Floor

N-2.5			2.6	83.4
N			2.6	83.4
℄			3.2	82.8
S			3.1	82.9

600' West = EL. Sampson St.

S ⌀			2.36	83.65
Gutter			2.6	83.4
℄			2.7	83.3
N ⌀			1.99	84.02
T.P.	6.61	~~89.92~~ ~~82.95~~	2.70	83.31
T.P.			2.36	87.56

87.54 on B.M. N 84
0.02 " Sampson

Alley N. Section Blk 6 Hillcrest add. 1-4-27 Walker Tolstrack McHugh

Bet. 1st + 3rd
Conv. + Washington

Univ. + 1st.				
BMNEBP NE Univ. = 0+00	8.17	286.67		278.50
W = Paving			5.09	281.58
℄ = "			5.13	281.54
E = "			4.77	281.90
		92' North		
E			4.3	82.4
℄			4.8	81.9
W			4.8	81.9
		74' North = South edge Garage on west side dirt Floor		
W - 3.5 = Garage			5.6	81.1
W			5.4	81.3
℄			5.4	81.3
E			5.5	81.2
		82' North = South Edge double Garage on west side Concrete Floor		
W + 3.5			5.47	81.20
		98' North = North edge double garage (on west) Concrete Floor		
W - 3.5				
		104' North = ℄ Garage on East dirt Floor		
W			6.1	80.6
℄			5.8	80.9
E			5.5	81.2
+2 = Garage			5.3	81.4
		107' North = ℄ Garage on West	6.1	80.6 dirt Floor 3.5' back
		150' North		
W			4.5	82.2

Estimated 3-10-1927 S.G. Back #12 Page #19 CBH

286.67

℄		5.2	81.5
E		5.0	81.7
	60' North = South Edge dble. Garage on East Concrete Floor		
E = East edge Concrete Apron		3.72	82.95
+2 = toe of Concrete Apron		4.31	82.36
	169' N = ℄ Garage on West dirt Floor		
W = edge of Concrete Apron		4.78	81.89
	177' N = North = North edge double Garage on East Concrete Floor		
W		4.7	82.0
℄		4.7	82.0
+5.5 = toe of Apron (Concrete)		4.27	82.40
E = East edge of Apron (concrete)		3.58	83.09
T.P. 5.67	287.85	4.44	282.23
	201' N = South edge double Garage on west dirt Floor		
W + 4.5		5.3	82.6
	219' N = North edge double garage on west dirt Floor		
W + 4.5		5.4	82.5
W		5.4	82.5
C		5.3	82.6
E		5.2	82.7
	254' N = ℄ Garage on West dirt Floor		
E		5.1	82.8
C		5.1	82.8
W = Garage		5.0	82.9
T.P. 5.01	288.85	3.01	284.84 Nail in Pole

281' N = South Edge Garage on West dirt Floor. South Entrance (From Sta. 281 to Sta. 3.18 Garage and Fence is 0.80 in Alley) on West

2+81

W-3.5=℄ Garage	5.7	83.2
W-0.8=East edge garage	5.7	83.2
℄	5.9	83.0
E	5.7	83.2
324'N=℄ Garage on East Concrete Floor (9.1' Back)		
E-7=℄ for of apron 9' wide	5.17	83.68
E	5.5	83.4
℄	5.5	83.4
W	5.7	83.2
334'N=℄ Garage on West dirt Floor 2' Back	5.4	83.5
375'N=℄ Garage on west dirt Floor		
W-0.5=Garage	5.3	83.6
W	5.3	83.6
℄	5.2	83.7
E	5.0	83.9
387'N=East edge Garage on East ℄ 5.5' Back dirt Floor	5.0	83.9 South Entrance
415'N=℄ Garage on West Concrete Floor 2.5' Back		
E	5.2	83.7
℄	5.2	83.7
W	5.0	83.9
+2.5=Garage	4.92	83.93
	4.4	84.45
339'N=South edge Garage on East ℄ 7.5 Back (9' wide) dirt Floor South Entrance		
453'N=℄ Garage on west 12' Wide (dirt Floor)		
W-3.5	5.2	83.7
W	5.1	83.8
℄	5.0	83.9

E	5.5	84.4
470'N=℄ Double Garage on west 22' wide 8' dirt Floor	4.9	83.95
		84.75
477'N=North edge Garage on East, North -	4.10	Entrance 5.5' Back=℄ Double Apron 10' wide
505'N=℄ Fence on West 0.40' in Alley		
E	4.1	84.8
℄	4.2	84.7
+7.8=Fence	4.2	84.7
560'N=St. Washington St.		
W=Paving	2.98	85.87
℄="	3.08	85.77
E="	2.83	86.02
T.P. 5.08 290.83	3.10	285.75
T.P.	3.31	287.52

287.50=B.M. N.W. Sp.
0.02' Sid. W. Washington St.

X. Section Hensley St. 80' Wide
from NL Imperial Ave to SL L St. 14 Cds. 13' 4/5
" NL L St. 150' North to SL Alley

1-5-27
Walker
Walbrick
McHugh

N.E. BP L+27th N.L. Imperial = 0+00	3.41	80.87		7746.
W			9.8	
cb			10.10	
Gutter = Paving			10.54	
1/4 = "			10.17	
C = "			9.97	
1/4 = "			9.93	
Gutter = "			10.10	
cb			9.25	
E			9.0	
		10' N		
E			7.1	
cb			7.4	
1/4			9.1	
C			9.1	
1/4			9.4	
+ 2			9.4	
+ 5			10.4	
+ 9			9.3	
cb			9.6	
W			9.6	
		50' N	~~9.5~~	
W			9.5	
cb			9.1	
+ 4			10.1	

		80.87	
+ 9			9.1
1/4			8.7
C			8.3
1/4			8.2
cb			7.7
E			7.4
		100' North	
E			8.1
cb			8.3
1/4			8.3
C			8.6
1/4			8.7
cb			8.8
W			8.8
		114' North	
W			10.0
+ 4			8.5
cb			8.7
1/4			8.3
C			8.4
1/4			8.3
cb			8.3
E			8.1
		150' North	
E			8.2
cb			8.3

80.87

¼	8.1
C	8.5
¼	8.2
+7	8.2
Cb	9.4
+6	8.8
W	8.4
200' North	
W	7.4
Cb	8.2
¼	8.2
C	8.1
+3	8.7
¼	7.7
Cb	7.6
E	7.3
250' North	
E	6.8
Cb	7.2
+6	7.8
¼	7.2
+1	5.5
C	5.5
¼	5.5
+8	6.5
Cb	5.9

80.87

W	5.2
277' North	
W	4.9
Cb	5.5
+8	6.1
¼	5.5
C	5.3
¼	5.0
Cb	5.6
+2	5.6
+3	7.4
+9	7.3
E	5.0
282' North	
E	5.1
Cb	5.4
¼	5.0
C	5.3
¼	5.3
+11	6.0
Cb	5.5
W	5.0
300' North = Sh. 2 St.	
W	5.1
Cb.	5.37
Gutter = Paving	5.73

	80 87					84.09	
1/4 = Paving		5.30			E		5.0
C = "		5.01			Cb		5.4
1/4 = "		5.11			1/4		5.6
Gutter = "		5.45			C		5.8
Cb.		4.83			1/4		5.6
E		4.5			Cb.		6.0
T.P. on top Mydt. (6.3')	84.09	3.09	77.78		W		5.4
Hensley St. North from N.L. 1st. to E Alley Bet. K+L						100' North	
N.L. 1st = 0+00 E		5.9			W		5.6
Cb		6.05			Cb		5.9
Gutter = Paving		6.69			1/4		6.3
1/4 = "		6.38			C		5.4
C = "		6.28			1/4		4.8
1/4 = "		6.53			Cb		3.8
Gutter = "		7.05			E		4.2
Cb. = "		6.44				125' North	
W. =		6.2			E		4.4
50' N. N.L. 1st.					Cb		5.2
W.		5.4			1/4		5.6
Cb		5.8			C		6.0
1/4		5.3			1/4		6.1
C		5.9			Cb.		5.5
1/4		5.9			W		5.4
Cb		5.7				150' N = 5.4 Alley Bet. L + K St.	
E		5.0			W.		5.5
80' North					Cb		5.6

		84.09			
W ¼			5.9		
C			5.7		
¼			5.5		
cb			5.0		
E			4.0		
	155' N = ℄ Alley				
E - 75			2.6		
- 15			2.7		
E			4.2		
cb			5.1		
¼			5.4		
C			5.6		
¼			5.5		
cb			5.6		
W			5.5		
+ 75			3.8		
T.P	3.09	80.87	6.31	7.778	
			3.41	7.74 = ✓ on B.M.	N 15° 28' 30" E BR to 1st
60' Wide 70 cb = 10.745		X Section Hershey From S.L. Imperial to Alley S of N St.			
		80.87 = H.I. from above			
TP	5.20	75.31	10.76	70.11	
S.L. Imp. = 6.40					
W			5.1		
+ 4 = old cb. line			5.21		
+ 4 = old Gutter "			5.80		
cb			5.5		
¼			5.35		

75.31

C	5.08 = Paving
¼	5.0 = Paving
cb	4.94
old Gutter line	4.99
old cb.	4.40.
E	4.3
5' S. S.L. Imp. Ave	
E	4.0
cb	3.8
¼	4.7
C	3.7
¼	4.0
cb.	4.1
W	3.8
50' South	
W	4.3
cb	4.3
¼	4.3
C	4.2
¼	3.9
cb	4.3
E	4.1
100' South	
E	5.0
cb	5.1
¼	4.9

75.31

℄	5.0
1/4	5.0
cb.	5.0
W	4.8
	150' South
W	6.0
cb.	5.8
1/4	5.6
℄	5.6
1/4	5.8
cb.	6.0
E	5.9
	200' South
E	5.8
cb.	6.1
1/4	6.2
C	6.1
1/4	5.8
cb.	6.0
W	6.3
	250' South
W	7.0
cb.	7.2
1/4	7.2
℄	7.0
1/4	7.0

75.31

cb.	7.1
E	7.1
	285' South
E	7.3
cb.	7.3
1/4	7.4
C	7.6
1/4	8.0
cb.	8.3
W	8.3
	300' South = N.L. N-St.
W	8.8
cb.	8.8
1/4	8.5
C	8.3
1/4	7.9
cb.	8.3
E	8.2
	N.L. N-St. Intersection Excepted
St. N St. =0+00	75.31
E	9.3
cb.	9.4
1/4	9.6
C	9.7
1/4	9.8
cb.	9.7
W	9.7

		75.31			
		50' South SL. N St.			
W			8.9		
cb			8.5		
¼			8.3		
C			8.8		
¼			8.7		
cb			9.0		
E			9.1		
		100' South			
E			8.1		
cb			8.0		
¼			8.2		
C			7.9		
¼			8.1		
cb			7.6		
W			7.5		
		115' S = N.L. Alley			
W			7.5		
cb			7.3		
¼			7.6		
C			7.6		
¼			8.0		
cb			7.8		
E			7.8		
		127.5' S = E Alley			
E-40			7.0		

75.31

E				7.6	
cb				7.7	
¼				7.8	
C				7.9	
¼				8.0	
cb				7.9	
W				8.0	
+75				8.9	
TP	5.70		7815	2.86	72.45
TP	4.52		8064	2.03	76.12
				3.10	77.54
					77.46 - BM NE SE 2 + 27 Eb set
					008

N. Section Alley. Blk 23 Unit. Heights
Bet. Penn. + Cypress
from E.L. Vermont 450 East to Canyon

W.S.B.P. for Alley Across Vermont E.L. Vermont = 0+00	2.82	288.80		285.98
N = Paving			4.91	283.89
L = "			5.35	283.45
S = "			5.22	283.58
		5' East		
S			4.4	284.4
C			4.6	284.2
N			4.3	284.5

P/o Hed by Tolman
1-28-27

14' E = L Pepper Tree on North 12" diameter

62' E = L Garage on N. Con. Floor. 0.6 in Alley

N+0.6 = L Garage Floor		3.21	285.59
+1 = L f/c of Con. Apron		3.47	285.33
C		4.2	284.6
S		3.4	285.4

105' E = West edge Triple Garage on South 1.30' in Alley (dirt floors)

S		3.4	285.4
C		3.8	285.0
N		3.2	285.6

125' E = West Garage on North 0.20 in Alley dirt floor West Entrance. L = 5' Back

135' East = East edge of Triple Garage on South 1.3' in Alley. dirt floor

N+0.3		2.6	286.2
C		3.0	285.8
+8.7 = Garage		3.2	285.6
		R= 2.3	286.5

155' E = L Garage on North dirt floor 0.60 in Alley

165' E = L Garage on South dirt floor 0.5' in Alley

288.80

1/6/27
Walker
No Track
HE Hugh

19

S+0.5 = Garage		2.7	286.1
C		2.7	286.1
+9.5 = Fence (brick edge)		2.4	286.4

176' E = East edge Fence on North & Also West edge double Garage on North and South (all dirt floors)

N+0.5 = Garage		2.2	286.6
C		2.3	286.5
+9.6 = Garage		2.7	286.1

193' E = East edge dble. Garages on North and South dirt floors

S+0.4 = Garage		2.5	286.3
C		2.3	286.5
+9.5 = Garage		2.1	286.7
		R= 2.0	286.8

197' E = West edge dble Garage on North dirt floor 0.40 in Alley

R= 2.1 286.7

214' E = East edge dble Garage on North 0.20 in Alley (dirt floor)

235' E = L Garage on South dirt floor.

N+0.4		1.9	286.9
C		2.2	286.6
+9.5 = Garage		2.2	286.6
		R= 1.9	286.9

241' E = L House on North Con. Foundation 0' Wide 0.30 in Alley

T.P.	6.13	292.88	2.05	286.75

258' E = West edge dble. Garage on North dirt floor 17' Back

S		5.8	287.1
C		6.0	286.9
N		5.7	287.2
+1.7 = Garage		5.4	287.5

276' E = East edge (dirt floor) dble Garage on North 17' Back & West edge dble. Garage on South 8.20 Back dirt floor

N-1.7 = Garage		5.5	287.4
N		5.5	287.4

C	5.9	287.0
S	5.8	287.1
	R = 5.2	287.7

301' E = East edge dble Garage on South dirt floor 0.2' Back

320' E = ℄ Garage on North 12' Wide dirt Floor

S	5.0	287.9
C	5.0	287.9
N	4.5	288.4
+ 1.6 = Garage	4.5	288.4

339' E = West edge dble Garage on South dirt Floor

N	4.4	288.5
C	4.6	288.3
S	4.7	288.2
+ 4.2 = Garage	4.7	288.2

358' E = East edge dble. Garage on South dirt Floor 4.2' Back (Also ℄ 12' Wide Garage on North dirt Floor)

S - 4.2 = Garage	4.8	288.1
S	4.8	288.1
C	4.6	288.3
N	4.6	288.3
+ 2.5 = Garage		

384' E = ℄ Garage on North Con. Floor 12' Wide 1.5' Back

N - 1.5 = Garage Floor	4.72	288.16
N	4.7	288.2
C	5.0	287.9
S	4.9	288.0

420' E.

S	5.5	287.4

C	5.7	287.2
N	5.8	287.1

434' E = ℄ Garage on South 10' Wide dirt Floor

N	6.8	286.1
C	6.6	286.3
S	6.6	286.3
+ 0.2 = Garage	6.6	286.3

439' = West edge Garage

S	7.0	285.9
C	6.6	286.3
N	6.9	286.0

450' E

N	14.3	278.6
C	13.9	279.0
S	13.9	279.0
T.P 2.70	2.81	286.07
	2.81	285.96

285.98 = BM. SW Robinson
0.02 = Vermont

LEVELS for Drain on Page 58

X. Section Alley Blk. 132 Univ. Heights 1/6/27
Bet. Campus + Cleveland
From N.L. Tyler St. to S.L. Van Buren

SE BP Cleveland & Tyler	12.69	324.71		312.02
N.L. Tyler = 0+00 = 9' North of North Ch. Line of Tyler ?				
-3.33 top N. Ch.			525	319.46
W. Gutter = Paving			528	319.43
℄ = Paving "			478	319.83
E = Gutter "			367	321.04
E top ch.			298	321.73
15' North = Earth edge Garage on West dirt floor South Entrance				
TP	10.21	333.32	1.60	323.11
E			8.3	325.0
C			97	323.6
W			96	323.7
+ 5 = ℄ Garage			10.3	323.0
35' North				
W-5			95	323.8
W			8.6	324.7
C			78	325.5
E			74	325.9
65' North				
E			6.18	326.5
C			73	326.0
W			80	325.3
+ 1			91	324.2
+ 5			92	324.1
85' North				
W-5			87	324.6

Plotted by CAT 7-2-27
4' scale from Station Plotting Sheet

333.32
See Drawing 1020 - L for width of Tyler Ave. - T

W-1	87	324.6
W = Top. Approach to garage (Con. Retaining wall)	76	325.7
C	67	326.6
E	56	327.7
R = 7.6		325.72
93' N = ℄ Garage on West dirt Floor 10' Wide 4' Back		
98' N = North edge Garage on West (Approach has no Retaining Wall on North)		
E	57	327.6
C	66	326.7
W	78	325.5
+4 = Garage	85	324.8
100' North		
W-5	87	324.6
W	79	325.4
+1	73	326.0
C	66	326.7
E	56	327.7
115' North		
E	31	328.2
+2	56	327.7
C	60	327.3
+8	71	326.2
W	86	324.7
+5	97	323.6
132' North		
W-5	10.5	322.8
-3	10.5	322.8
W	88	324.5

+ 5		6.2	327.1
C		5.6	327.7
+ 6		5.0	328.3
E		4.0	329.3
	133' North		
E		4.0	329.3
+ 4		5.0	328.3
C		5.6	327.7
+ 5		6.2	327.1
W		8.0	325.3
	142' N = South End Con. Ret Wall Back 0.6'		
W - 1.2 = Bottom of Wall		10.2	323.1
W - 0.6 = Top Wall		5.4	327.9
W		5.4	327.9
C		5.3	328.0
+ 6		4.8	328.5
E		3.8	329.5
		R= 3.8	329.5
	172' N = ℄ Garage on East Finish Floor 3.4' Back 10' wide		
	182' North = N. End Retaining Wall on West 0.6' Back		
E		4.2	329.1
C		4.9	328.4
W		4.9	328.4
W + 0.6 = Top Wall		4.9	328.4
+ 1.2		9.4	323.9
	183' North		
W - 5		10.2	323.1

W		7.3	326.0
+ 6		4.5	328.8
C		4.8	328.5
E		4.3	329.0
	234' North = ℄ Garage on West with St. Entrance (10' wide) (2' Back)		
E		3.9	329.4
C		4.3	329.0
+ 4		4.7	328.6
W		7.1	326.2
	+ 2 = Back End Garage	7.1	326.2
T.P.	12.30 343.02	2.60	330.72
	257' N = Pepper Tree on West 6" diam. 12' in Alley		
	265' North		
W - 5		18.00	325.0
W - 5		18.00	325.0
W		14.8	328.2
+ 5		13.2	329.8
C		12.9	330.1
E		12.8	330.2
	295' North		
E		10.9	332.1
C		10.8	332.2
+ 7		11.0	332.0
W		14.2	328.8
+ 5		14.2	328.8
	313' North		

313' N.

W-5		12.7	330.3
W-1		12.2	330.8
W		11.1	331.9
+3		9.3	333.7
C		9.0	334.0
E		8.6	334.4

315' N = South End dble. Garage on East Con. Floor 0.2 in Alley

E + 0.2 = Garage Con. Floor		7.60	335.42
C = R.m. of MH.		8.65	334.37
W = board Fence		9.0	334.0

337' N = North End dble Garage on East Con. Floor

W		8.2	334.8
C		7.9	335.1
+9.8 = Garage Con. Floor		7.64	335.38

344' N = South End Dble. Garage on West South Half is occupied. North Half is used for Car. Con. Floor (Wood Floor) (Back 0.5)

E		7.1	335.9
C		7.6	335.4
W		7.3	335.7
+0.5 = Garage		7.3	335.7

365' N = North end dble. Garage on west (& South End dble Garage on East Con. Floor)

W-0.5 = Garage Con. Floor		7.28	335.74
W		7.3	335.7
C		6.8	336.7
+9.8 = Garge Con. Floor		5.78	337.74

373' North = E Garage on West With Con. Apron 6.85 336.17 = 4' Back
" " " " " " " " " " " " " 6.74 336.28 Floor = 7' Back

384' N = North End dble Garage on East Con. Floor 0.0 in Line (North end)

E = Garage		5.42	337.40

391' N = South end dble Garage on East Con. Floor 2' Back

E-2 = Floor		5.61	338.01
E		5.2	337.8
C		5.6	337.4
W		5.8	337.2

405' N = N End dble Garage on East 4.72 = Con Floor 2' Back 338.30

410' N = South End dble Garage on East dirt Floor 6' Back

W		5.2	337.8
C		5.1	337.9
E		4.6	338.4
+6' = Garage		4.6	338.4

420' N = E Garage on west Con. Floor. Con. Apron Approach 9' Wide 338.10

W + 0.2 = toe of Apron		4.92	
+ 2.2' = Garage Floor		4.74	338.28

424' N = N End dble. Garage on East 5.6' Back dirt Floor

E-5.6		4.4	338.6
E		4.5	338.5
C		4.8	338.2
W		4.9	338.1

456' North

W		3.9	339.1
C		3.6	339.4
E		3.8	339.2

489' North = South End dble Garage on West Con. Floor

E	3.3	339.7
C	3.3	339.7
W	3.6	339.4
+6.5 = Garage Floor	3.22	339.80

503' N = N.End Above Garage on West

W-6.5 = Con. Floor	3.20	339.82

515' N = South End dble Garage on West Con. Floor 4.5 Back

W-6.5	2.60	340.4

535' N = N. End of Above Garage

W-6.5 = Con. Floor	2.60	340.42
W	2.8	340.2
C	2.6	340.4
E	2.5	340.5

570' N

E	1.5	341.5
C	2.0	341.0
W	2.0	341.0

585' N

W	1.6	341.4
C	1.5	341.5
E	1.5	341.5

609' N

E	1.6	341.4
C	1.7	341.3
W	1.6	341.4

616' North = S.L. Van Buren

W = Paving = top Ch.			2.61	340.41
C = " = Rim M.H.			2.72	340.30
E = Paving			2.19	340.83
E = top Ch.			1.87	341.15
T.P.	6.89	348.43	1.48	341.54
			4.25	344.18 + on B.M.
				344.25 = P.M. S.W. S.P.
				+0.07 Van Buren + Campus

Plotted 6/28/71 JPB

X Section 20' Alley Blk. 192 Univ. Hts.
Bet. Mississippi + Louisiana
from N.L. Univ. to St. Lincoln

1-7-27
Walter-
Holbrook
Mc Hugh

B.M. S.E.B.P. Univ. + Mississippi	12.20	294.19		281.99
0+00 = 14' North N Cb. Line = N.L. Univ.				
W = top Cb.			4.51	289.68
W. = Gutt. = Paving			4.73	289.46
℄ = "			4.56	289.63
E = Gut. = "			4.12	290.07
E = top Cb.			3.50	290.69
+ 0.4 = West edge Con. Sidewalk 3' Wide			3.13	291.06
14' N = Brk. in Side walk on East			1.53	291.66 0.4' Back
	20' N			
- 0.3 = Side walk			1.53	292.66
℄			2.0	292.2
℄			2.2	292.0
W			2.6	291.6
T.P.	5.64	297.87	1.96	292.23

Plotted by Tolman
1-26-27

297.87

82' N = ℄ Garage on East (12' Wide) Con. Floor	Also ℄ Garage on West 14' Wide dirt Floor	
- 5.3 = Garage	6.0	291.9
W	6.0	291.9
℄	5.4	292.5
E	5.3	292.6
+ 0.3 = W Edge side walk = ℄ Con. Apron	5.09	292.78
+ 5 = ℄ Garage Floor 12' Wide	4.67	293.20
128' N = South Edge Con. Apron on East dble. Garage		
- 9.8 = S Edge Garage Floor	4.32	293.55
E	4.83	293.04
+ 0.3 = Brk. in Con. Apron Approach	4.83	293.04
+ 2.8 = Toe of Apron	5.21	292.63
℄	5.4	292.5
W	5.7	292.2
	R= 5.12	292.75
137' N = ℄ Dble. Garage on West Con. Floor 22' Wide Floor is Level across		
150' N = N edge dble Garage on East Con. Floor. Con. Apron Approach		
W	5.6	292.3
℄	5.2	292.7
+ 7.2 = Toe of Apron	5.20	292.7
+ 9.7 = Brk. in Apron	4.79	293.08
E	4.79	293.08
+ 9.8 = N Edge Garage Floor	4.24	293.63
158' N = ℄ Garage on East (East Entrance) 16' Wide dirt Floor 0.4' in Alley		
158' N ℄ Garage on West 12' Wide	5.7 (dirt Floor)	292.2 0.4' Back
191' N = ℄ Garage on West dirt Floor 12' Wide Back 3'		
E	4.6	293.3
℄	5.2	292.7
W	5.4	292.5
+ 3 = Garage	5.4	292.5
	R= 5.3	292.6
210' N = ℄ Garage on West 22' Wide 4' Back dirt Floor		
220' N = ℄ Garage on East 45' Back 9' Wide dirt Floor		
W	5.0	292.9
℄	4.8	293.1
E	4.3	293.6
+ 4.5 = Garage	3.9	294.0
253' N = ℄ Garage on West 0.10 Back 12' Wide dirt Floor		
E	3.9	294.0

297.87

℄	4.4	293.5
W	4.3	293.6
+0.1 = Garage	4.3	293.6
260' N = ℄ Sewer M.H. Rim R.	4.18	293.69

300' N

W	4.0	293.9
℄	4.2	293.7
E	4.1	293.8

364' N = ℄ Garage on East 5' Back 13' Wide Con. Floor

-5 = ℄ Garage Floor	3.50	294.4
E	3.6	294.3
℄	3.9	294.0
W	3.9	294.0

400' N

W	3.4	294.5
℄	3.3	294.6
E	3.2	294.7

402' N

E	2.0	295.9
+2	2.2	295.7
+3	3.0	294.9
℄	3.3	294.6
W	3.4	294.5

428' N

W	2.9	295.0
E	2.9	295.0

+7	2.7	295.2
+8	1.7	296.2
E	1.7	296.2

440' N = ℄ Garage on West 3.6' Back 13' Wide dirt Floor

E	1.8	296.1
+2	1.8	296.1
+3	2.7	295.2
℄ ✓	2.7	295.2
W	2.6	295.3
+3.6 = ℄ Garage	2.6	295.3
T.T. 3.48	298.71	2.56 295.31

446' N

W	3.6	295.2
℄	3.5	295.3
E	3.4	295.4
-8 =	3.3	295.5

457' N = ℄ Garage on East 12' Wide 3' Back dirt Floor

513' N = ℄ Garage on West 3.5' Back 24' Wide dirt Floor

E	2.2	296.6
℄	2.5	296.3
W	3.0	295.8
+3.5 = ℄ Garage	3.0	295.8

535' N = ℄ Triple Garage on East 26' Wide dirt Floor

W	2.7	296.1
℄	2.6	296.2
E = ℄ Garage's	2.6	296.6

586' North

298.79

E			2.7	296.1
℄			3.3	295.5
W			3.6	295.2
600' N = South End Con. Bldg. Wall on East				
W			4.9	293.9
℄			5.0	293.8
+ 3			5.0	293.8
+ 8			3.5	295.3
E			3.5	295.3
E = top wall			3.51	295.28
610' N = St. Lincoln St = 10' South South Co. Line				
E = top wall			4.56	294.23
E = Bottom of Wall = top Ch.			6.61	292.18
℄			7.2	291.6
W = Top Ch.			7.65	291.14
TP	0.13	293.06	5.86	292.73
			11.05	282.01
				281.99 = B.M.
				0.02

{Note, Stations in both Alleys were Measured on ℄ from N.L. Cliff St. to S.L. of 7th Alley, and From E.L. Panorama to W.L. Panorama St.}

X Section 15' Alleys Blk. P. - Valle Vista Terrace

B.M. Sw. Mon. B.P.				
Adams + Lawson	6.76	357.83		351.07
T.P.	7.19	361.88	3.14	354.69
S.L. - 4.0' = North edge of Paving				
E = top Ck.			5.64	56.24
E Gutter = Paving			5.80	56.08
℄			5.96	55.92
W = Gutter = Paving			5.84	56.04
W top Ck.			5.70	56.18
27'N N.L. Cliff St. = South edge Con. Walk on East 0.4' Back				
W			5.0	56.9
℄			5.2	56.7
E			4.7	57.2
+ 0.4 = top Walk			4.47	57.41
71'N = N end of Con. Walk on East 0.4' Back				
- 0.4			4.21	57.67
E			4.5	57.4
C			4.5	57.4
W			4.4	57.5
105'N = ℄ Garage on East 15' Wide 5.5' back dirt Floor				
W			4.0	57.9
℄			4.2	57.7
E			4.0	57.9
+ 5.5 = Garage			4.0	57.9
135'N = South End Garage on East. South Entrance. Con. Floor E 6.5 Back 12' Wide				
E - 6.5 = Garage Floor			3.66	58.22

361.88

E			3.9	58.0
℄			4.0	57.9
W			3.7	58.2
185'N				
W			3.3	58.6
℄			3.4	58.5
E			3.5	58.4
238'N				
E			2.5	59.4
℄			2.1	59.8
W			2.6	59.3
250'N = ℄ Garage on East. Con. Floor 10' Wide 2.8' Back				
W			2.7	59.2
℄			2.3	59.6
E			2.9	59.2
+ 2.8 = Garage Floor			2.49	59.39
267.31'N. N.L. Cliff St. = Δ 15°13'R. this dist. is the mean of E + W. Lines - From N.L. Cliff St. Section taken on split of Angle.				
E			2.7	59.2
℄			2.7	59.2
W			2.3	59.3
T.P.	5.62	365.34	2.16	359.72
300'N				
W			5.6	59.7
℄			5.8	59.5
E			5.8	59.5

350 'N

E	5.6	59.7
℄	5.6	59.7
W	5.3	60.0

400' N

W	5.2	60.3
℄	5.1	60.2
E	5.3	60.0

424.65 = S℄ of Tea Alley

E	5.2	60.1
℄	5.1	60.2
W	4.9	60.4

X. Section Alley From E.L. Panorama to W.L. Panorama

0+00 = E.L. PANORAMA (1st Section = (E.L. - 1.0')

S = top Cb.	5.52	59.82
Gutter on Paving	5.69	59.65
℄ = " "	5.75	59.59
N Gutter on Paving	5.66	59.68
Top. Cb.	5.53	59.81

6' East E.L.

N	4.9	60.4
℄	4.4	60.9
S	4.6	60.7

59' E = W edge Dble. Garage on South. Con. Floor. With Con Apron.

-6.3 = Garage Floor	4.41	60.93
S + 0.3 = toe Con. Apron	4.59	60.75

℄	4.5	60.8
N	4.4	= 60.9
	8 = 4.35	360.99

63' East = ℄ Garage on North Con. Floor 14' Wide

76' East = East End Dble. Garage on South Con. Floor

N	4.5	60.8
℄	4.7	60.6
+7.2 = toe of Apron	4.67	60.67
5+6.3 = Garage Floor	4.61	60.73

110' E

S	4.8	60.5
℄	4.7	60.6
N	4.7	60.6

147' E = W end dble. Garage on South. Con. Floor

N	5.4	59.9
℄	5.6	59.7
S	5.6	59.7
+7.4 = Garage Floor	5.45	59.89

165' E = E end. dble. Garage on South. Con. Floor

-6.2 = Garage Floor	5.50	59.84
S	5.9	59.4
℄	5.8	59.5
N	5.8	59.5

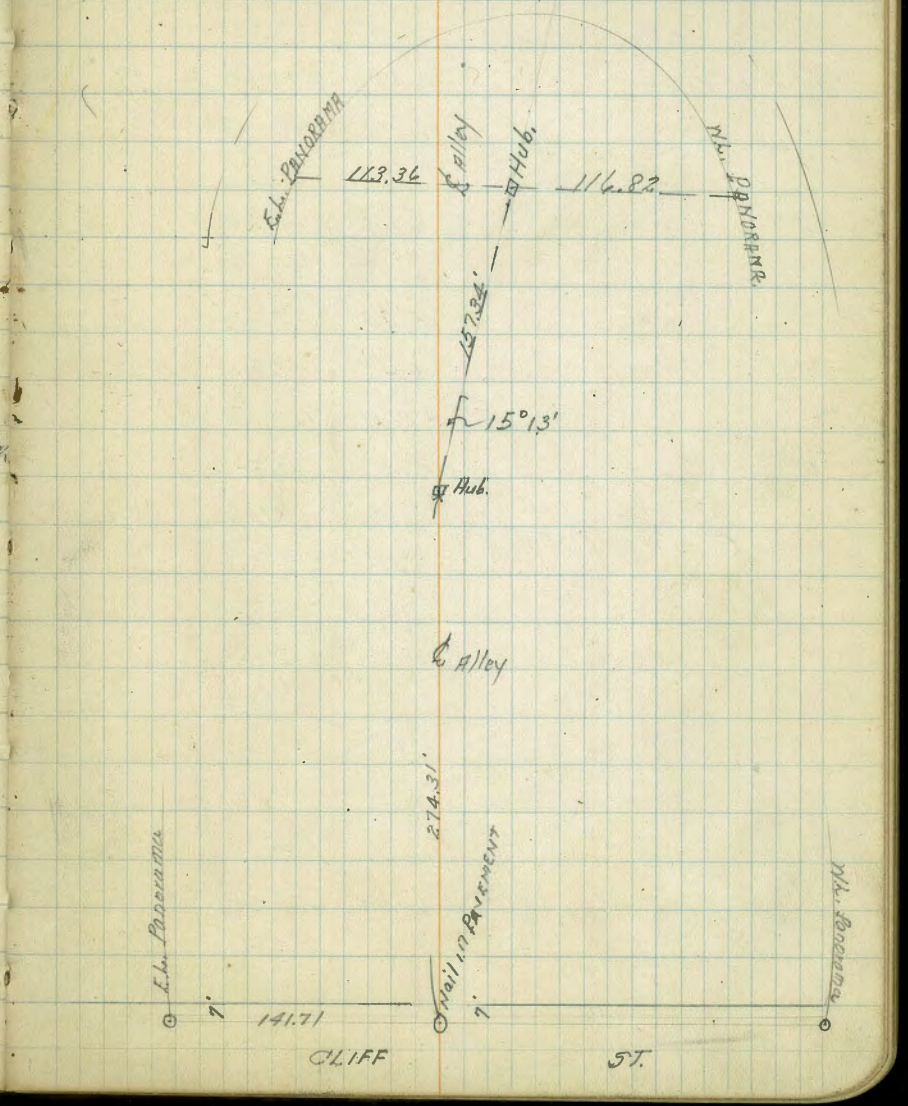
200' E

N	6.5	58.8
℄	6.5	58.8
S	6.3	59.0

220' E

S			7.2	58.1
℄			7.2	58.1
N			7.2	58.1
231' E = 10' W of W ch. Line				
N = top ch.			7.73	57.61
N Gut. on Paving			7.92	57.44
℄ " "			8.17	57.17
S Gut. " "			8.20	57.14
S top. Ch.			8.00	57.34
T.P	2.04	359.05	8.33	357.01
T.P.	5.42	354.86	9.61	349.44
			3.80	341.06 = B.M.
			341.07 = B.M. S.W. Cor. Mfg. & R. Louisiana	
			2.01 + Datum Adj.	

351.06



See Sketch on Page 39

X. Section Boundary St. 60' wide from El Cajon to Madison St.

Weather 1-27

10' Cds 10' Vs

	Sta.	El.
B.M. S.E. & R.		
El Cajon + Town	10.64	383.57
		372.93
Sec A E.L. Boundary on N.L. El Cajon = − 47.44 = South edge Fence on East		
E	57	377.9
top Cb	5.89	377.68
Gutter on Paving	6.45	377.12
¼ " "	6.08	77.49
℄ " "	5.92	77.65
¼ " "	6.05	77.52
Gutter " "	6.35	77.22
top Cb.	5.93	77.64
W	5.5	78.1

Plotted 6-27-27 J.V.M.

0+00 = Section at Rt. Angles to Bdy. on West

W	5.5	78.1
Cb.	6.0	77.6
¼	5.8	77.8
℄	5.3	78.3
¼	5.3	78.3
Cb.	5.2	78.4
0+50		
E.	5.3	78.3
Cb.	5.2	78.4
¼	5.1	78.5
℄	5.0	78.6
¼	5.0	78.6
Cb.	5.0	78.6

383.57

W	4.8	378.8

0+64 = W End of Fence on East 4' in St.

4' in St. } 0+81 = ℄ Barn on East of 35' wide 4' in St.

1+00

W	4.6	79.0
Cb.	4.6	79.0
¼	4.4	79.2
℄	4.0	79.6
¼	4.0	79.6
Cb.	4.4	79.2
E.	4.3	79.3
1+50		
E.	4.1	79.5
Cb.	4.4	79.2
¼	4.4	79.2
℄	4.4	79.2
¼	4.1	79.5
Cb.	3.6	80.0
W	3.6	80.0
1+75		
W	3.0	80.6
Cb.	3.4	80.2
¼	3.4	80.2
℄	3.5	80.1
¼	3.3	80.3
Cb.	2.8	80.8
E.	3.9	79.7

38357

		2+00		
E.			4.0	379.6
Cb.			4.0	79.6
¼			4.2	79.4
C			3.6	80.0
¼			3.6	80.0
Cb.			3.0	80.6
W			2.5	81.1
		2+50		
W			3.2	80.4
Cb.			2.9	80.7
¼			3.1	80.5
C			2.8	80.8
¼			3.1	80.5
Cb.			3.3	80.3
E			3.3	80.3
		3+00		
E			2.6	81.0
Cb.			2.9	80.7
¼			2.8	80.8
C			2.6	81.0
¼			2.9	80.7
Cb.			2.5	81.1
W			2.6	81.0
TP	6.66	38503	1.80	381.77
		350'N		

38503

32

E.	7.0	381.0
Cb.	6.9	81.1
¼	7.0	81.0
C	7.0	81.0
¼	6.9	81.1
Cb.	6.4	81.6
W	6.5	81.5
	4+00	
W	5.6	84.4
Cb.	6.0	84.0
¼	6.4	81.6
C	6.4	81.6
¼	6.4	81.6
Cb.	6.7	81.3
E	6.6	81.4
	4+50	
E	6.4	81.6
Cb.	6.3	81.7
¼	6.3	81.7
C	6.2	81.8
¼	6.1	81.9
Cb.	5.9	82.1
W	5.1	82.9
	5+00	
W	5.1	82.9
Cb.	5.2	82.8

¼		5.8	382.2
℄		5.7	82.3
¼		5.9	82.1
Cb.		5.8	82.2
E		6.1	81.9
	5+30		
E		5.8	82.2
Cb.		5.5	82.5
¼		5.7	82.3
℄		5.5	82.5
¼		4.9	83.1
Cb.		4.3	83.7
W		4.7	83.3
	5+50		
W		5.3	82.7
Cb.		4.8	83.2
¼		5.0	83.0
℄		5.2	82.8
¼		5.6	82.4
Cb.		5.8	82.2
E		5.6	82.4

12.5' Cb. 5.
14.6 ¼ 5.8

5+86.03 = South Line Meade on East Sections 9 & 10 not to scale

E		5.4	82.6
Cb.		4.8	83.2
¼		4.9	83.1
℄		5.0	83.0

¼		5.0	383.0
Cb.		5.0	83.0
W.		5.0	83.0
	South Cb.		
W		4.8	83.2
Cb.		4.7	83.3
¼		5.0	83.0
℄		5.0	83.0
¼		4.0	84.0
Cb.		4.5	83.5
E		5.2	82.8
	S ¼		
E		4.0	84.0
Cb.		4.1	83.9
¼		4.2	83.8
℄		4.9	83.1
¼		5.2	82.8
Cb.		5.3	82.7
W=Top Return		4.81	83.22
	℄		
W		4.7	83.3
Cb.		4.6	83.4
¼		4.3	83.7
℄		4.4	83.6
¼		5.2	82.8
Cb.		5.3	82.7
E		5.3	82.7

N ¼

E.		54	382.6
Cb.		52	82.8
¼		51	82.9
℄		48	83.2
¼		49	83.1
Cb.		49	83.1
W		44	83.6

N. Cb. Line Meade Rt. Angles to Bdry

W		47	83.3
Cb.		50	83.0
¼		51	82.9
℄		49	83.1
¼		51	82.9
cb.		54	82.6
+3 = top Return		511	82.92

N.L. MEADE Rt. Rt. Angles to Bdry.

E cb.		5.09	82.94
¼		53	82.7
℄		47	83.3
¼		50	83.0
Cb.		50	83.0
W		47	83.3

Section on PAVING. From W.L. Iowa and N.L. MEADE to E.L. Boundary and N.L. Meade

W = top Cb.		481	83.22

Gutter on West side Iowa St.		5.47	382.56
+22.75		4.81	83.22
℄ Cb. = +45		4.67	83.41
+22.75		4.95	83.08
Gutter = Gutter on East side Bdry St.		5.65	82.38
top Cb.		5.07	82.96
T.P. 7.19	394.17	3.05	384.98

189.4 South of South line Monroe on E = North edge paving = − 11.4

E		7.2	85.0
top Cb.		7.22	84.95
Gutter on Paving		7.77	84.40
¼ " "		7.11	85.06
℄ " "		6.97	85.25
¼ " "		7.00	85.17
Gutter " "		7.25	84.92
top Cb.		6.88	85.29
W		6.9	85.3

0 + 00 = 11.4 North of Paving on East. Section at Rt. Angles to Bdry.

W		6.9	85.3
¼		7.1	85.1
℄		7.0	85.2
¼		7.0	85.2
Cb.		7.2	85.0
E		7.2	85.0

0 + 50

E		6.6	85.6

cb.	6.6	3	85.6
¼	6.6		
℄	6.9		
¼	6.9		
cb.	7.0		
W	6.9		85.3
1+00			
W	6.9		85.3
cb.	6.9		
¼	6.9		
℄	6.8		
¼	7.0		
cb.	6.8		
E	6.4		85.8
150' N =			
E	6.6		85.6
cb.	6.6		
¼	6.8		
℄	6.8		
¼	6.8		
cb.	6.8		
W	6.4		85.8
1+78 = S.L. Monroe ONE			
W	6.8		85.4
cb	7.2		
¼	6.7		

cb.	7.0	
¼	6.8	
cb.	6.6	
+ 5 = top Walk	6.41	85.76
S cb. Monroe		
E, top cb. 2.5 in Boundary st.	6.76	85.41
✱ cb. Ground	7.0	
¼	7.0	
℄	6.7	
¼	6.4	
cb.	6.6	
W	6.8	85.4
S ¼		
W	7.0	85.2
¼	6.8	
cb.	6.8	
℄	7.0	
¼	6.9	
cb.	6.9	
E	7.0	85.2
℄		
E	6.8	85.4
cb.	6.9	
¼	6.8	
℄	6.9	
¼	6.9	

cb.		7.0	
W		7.0	85.2
	N ¼		
W		6.8	85.4
cb.		7.0	
¼		6.8	
d		6.9	
¼		7.0	
cb.		6.9	
E		7.0	85.2
	N cb.		
E top cb. 2.5 in Boundary Ct.		6.75	85.42
cb.		7.2	
¼		6.9	
d		6.5	
¼		6.7	
cb.		6.8	
W		7.0	85.2
	N L. Monroe		
W		6.3	385.9
cb.		6.8	385.4
¼		6.2	386.0
d		5.4	386.8
¼		6.7	385.5
cb.		7.2	385.0
E		6.7	385.5

36.40' N. N.L. Monroe on E = 0+00

E	6.8	385.4
cb.	6.5	385.7
¼	6.6	385.6
d	6.5	85.7
¼	5.6	86.6
cb	6.3	85.9
W	6.1	86.1
	0+15	
W	6.6	85.6
cb.	6.7	85.5
¼	6.6	85.6
d	6.8	85.4
¼	6.4	85.8
cl	5.0	87.4
+4	6.1	86.1
E	6.7	85.5
	0+47	
E	6.6	85.6
cb.	6.6	85.6
¼	6.7	85.5
d	6.3	85.9
¼	5.0	87.4
cb.	5.5	86.7
W	6.5	85.7
	0+60	

39217

W		6.5	385.7	
Cb.		6.5	85.7	
¼		6.3	85.9	
Q		6.7	85.5	
¼		6.6	85.6	
Cb.		6.1	86.1	
E		6.5	85.7	
	1+00			
E		5.9	86.3	
Cb.		6.3	85.9	
¼		6.4	85.8	
Q		6.0	86.2	
¼		6.5	85.7	
Cb.		6.6	85.6	
W		6.3	85.9	
	1+20			
W		6.1	86.1	
Cb		6.4	85.8	
¼		6.1	86.1	
Q		5.0	87.2	
¼		5.5	86.7	
Cb.		6.5	85.7	
E		5.8	86.4	
	1+35			
E		5.8	86.4	
Cb.		6.3	85.9	

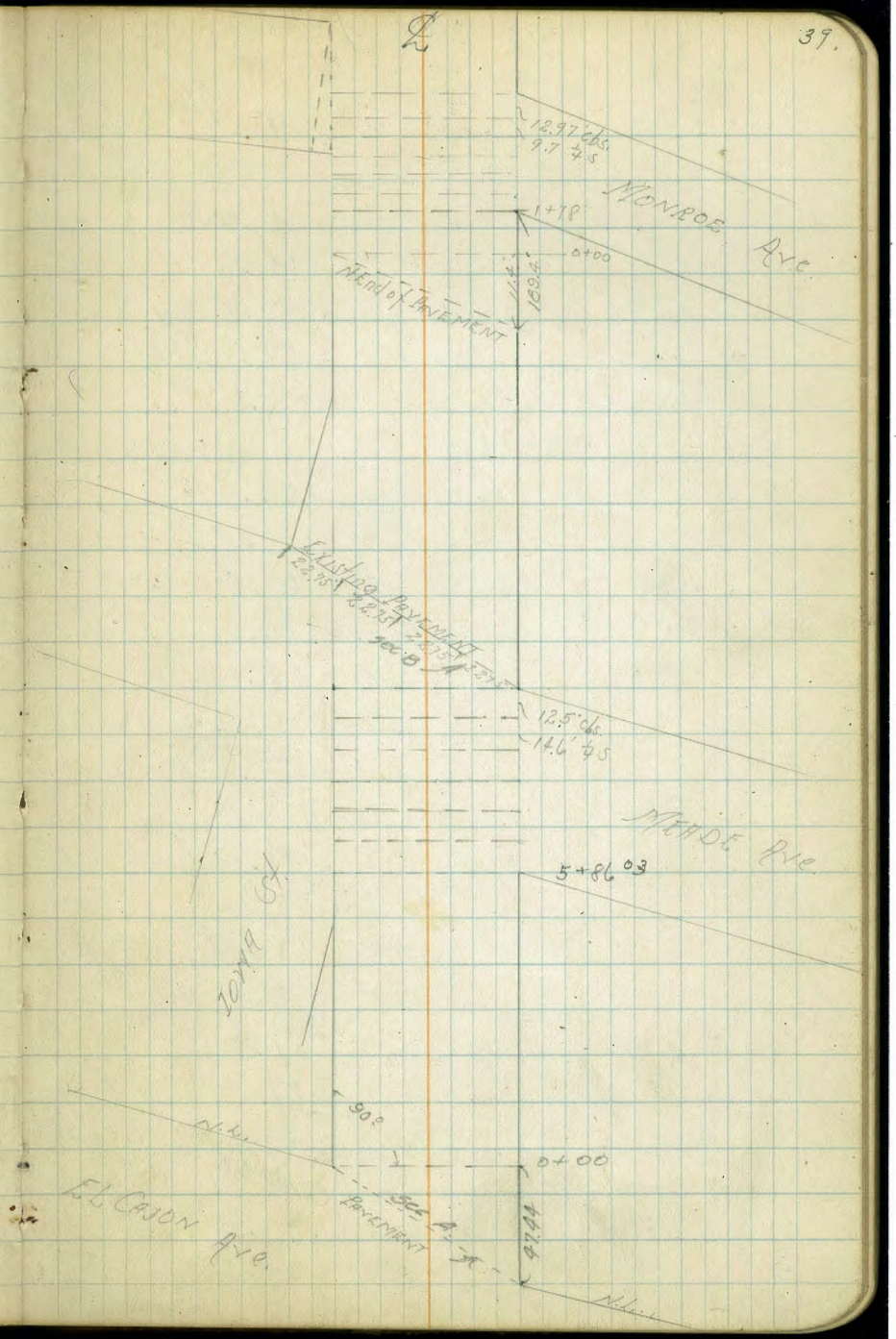
39217

¼		6.4	385.8	
Q		6.2	86.0	
¼		6.2	86.0	
Cb.		6.3	85.9	
W		6.3	85.9	
	1+50			
W		5.5	86.7	
Cb.		5.2	87.0	
¼		5.4	86.8	
Q		6.0	86.2	
¼		6.2	86.0	
Cb.		6.1	86.1	
E		5.7	86.5	
TP	5.91	393.50 ✓	4.58	387.59 ✓ Nail in Pole
	1+60			
E		7.0	86.5	
Cb		7.2	86.3	
¼		7.3	86.2	
Q		7.2	86.3	
¼		6.4	87.1	
Cb.		5.6	87.9	
W		6.3	87.2	
	1+75			
W		7.3	86.2	
Cb		7.3	86.2	
¼		7.2	86.3	

	39350 ✓		
℄		7.2	386.3
¼		7.1	86.4
cb.		7.1	86.4
E		6.8	86.7
	1+93		
E		6.8	86.7
cb.		6.8	86.7
¼		6.6	86.9
℄		6.7	86.8
¼		7.2	86.3
cb.		7.0	86.5
W		6.7	86.8
	2+07		
W		5.5	88.0
cb.		5.5	88.0
¼		6.9	86.6
℄		5.8	87.7
¼		5.9	87.6
cb.		6.9	86.6
E		6.7	86.8
	2+21		
E		6.5	87.0
cb.		6.9	86.6
¼		6.8	86.7
℄		6.9	86.6
¼		6.8	86.7

	39350 ✓		
cb.		6.8	86.7
W		6.6	86.9
	2+30		
W		6.6	86.9
cb.		6.8	86.7
¼		6.8	86.7
℄		6.9	86.6
¼		6.8	86.7
cb.		6.5	86.6
E		6.5	87.0
	2+50		
E		6.5	87.0
cb.		6.9	86.6
¼		6.7	86.8
15		6.7	86.8
℄		6.0	87.5
¼		4.8	88.7
cb.		4.8	88.7
W		6.3	87.2
	2+71		
W		5.2	88.3
cb.		6.4	87.3
¼		6.3	87.2
℄		6.7	86.8
¼		6.9	86.6
cb.		7.0	86.5

	3+93.50 ✓		
E		6.3	87.2
	2+95		
E		6.0	87.5
Cb		6.8	86.7
¼		5.4	88.1
d		5.0	88.5
¼		5.9	87.6
Cb.		6.0	87.5
W		5.8	87.7
	3+07		
W		6.0	87.5
Cb.		6.1	87.4
¼		6.3	87.2
d		6.7	87.3
¼		6.3	87.2
Cb.		6.6	86.9
E		6.0	87.5
	3+30		
E		5.8	87.7
Cb.		6.3	87.2
¼		6.1	87.4
d		6.0	87.5
¼		5.7	87.8
Cb.		6.1	87.4
W		5.9	87.6
	3+60		

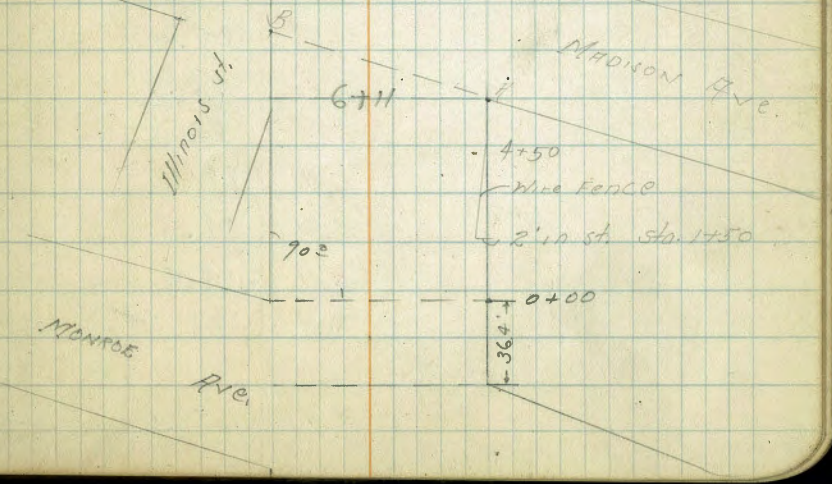


39350 ✓

W	57	387.8
Cb.	46	88.7
¼	43	89.2
℄	47	88.8
¼	60	87.5
Cb.	63	87.2
E	57	87.8
3+78		
E	56	87.9
Cb.	60	87.5
¼	60	87.5
℄	57	87.8
¼	54	88.1
Cb.	57	87.8
W	58	87.7
1+00		
W	55	88.0
Cb.	55	88.0
¼	55	88.0
℄	55	88.0
¼	58	87.7
Cb.	60	87.5
E	56	87.9
1+25		
E	55	88.0
Cb.	45	89.0

39350 ✓

¼	54	88.1
℄	56	87.9
¼	56	87.9
Cb.	55	88.0
W	55	88.0
4+50		
W	55	88.0
Cb.	54	88.1
¼	54	88.1
℄	54	88.1
¼	53	88.2
Cb	57	87.8
E	57	88.3



393.50 ✓

5+00

E	5.2	388.3
cb	5.3	88.2
¼	5.1	88.4
℄	5.1	88.4
¼	5.1	88.4
cb	5.3	88.2
W	5.4	88.1

5+50

W	5.2	88.3
cb	4.9	88.6
¼	5.1	88.4
℄	5.1	88.4
¼	5.2	88.3
cb	5.2	88.3
E	4.8	88.7

6+00

E	4.5	89.0
cb	4.4	89.1
¼	5.0	88.5
℄	4.9	88.6
¼	5.0	88.5
cb	5.0	88.5
W	5.0	88.5

6+11 = St. Madison on E See sketch

W	4.9	88.6

393.50 ✓

cb.	4.9	88.6
¼	4.9	88.6
℄	4.8	88.7
¼	4.6	88.9
Gutter Ground	4.7	88.8
Top cb.	4.72	88.78

N.B. Section of St. Madison on East Produced See sketch Page 40

E. Top cb.	4.72	88.78
Gutter Ground	4.7	88.8
¼	4.4	89.1
℄	4.4	89.1
¼	4.1	89.4
cb.	4.0	89.5
W	4.0	89.5
TP 436	393.93	389.57
	5.00	388.93

388.93 = B.M. S.E. B.P. ✓ Ohio + Madison

Walker
F-27

N. Section Monroe Ave. 80' Wide 14 Chs. 13 1/4 s
from E.L. Ohio St to W.L. Boundary St.

	2.80	390.39		387.59	NAIL IN Pole PAGE 37
		E.L. Ohio St.			
N			4.2		
top Cb.			4.50		
Gutter on Ground			4.9		
1/4			4.9		
C.			5.3		
1/4			5.5		
Gutter on Ground			6.0		
top Cb.			5.60		
S			5.3		
		32' E.			
S			4.5		
Cb.			5.7		
1/4			5.5		
C.			5.7		
1/4			5.8		
Cb.			5.4		
N			5.5		
		50' E.			
N			3.8		
Cb.			4.0		
1/4			5.4		
C.			5.4		
1/4			4.8		

390.39

Cb.		5.9
S		5.8
	70' E.	
S		5.9
Cb.		5.6
1/4		4.9
C.		5.3
1/4		5.5
Cb.		5.5
N		5.0
	100' E.	
N		5.2
Cb.		5.4
1/4		5.4
C.		5.0
1/4		4.2
Cb.		5.1
S		5.9
	125' E.	
S		5.3
Cb.		5.5
1/4		5.1
C.		4.9
1/4		5.4
Cb.		5.3
N		5.2

135' E

N	5.2
cb.	5.2
¼	5.2
d.	3.5
¼	4.4
cb.	5.3
S	5.3

155' E

S	5.3
cb.	5.2
¼	4.8
d.	5.1
¼	5.2
cb.	5.2
N	5.0

180' E

N	4.0
cb.	5.4
¼	5.1
d.	5.2
¼	5.1
d.	5.2
S	5.4

200' E

S	4.5

cb.	5.3
¼	5.3
d.	4.7
¼	5.0
cb.	5.1
N	4.6

220' E

N	3.5
cb.	4.7
¼	5.0
d.	5.0
¼	5.2
d.	5.3
S	5.4

235' E

S	5.4
cb.	5.4
¼	4.3
d.	4.6
¼	5.2
cb.	5.1
N	4.7

250' E

N	3.7
cb.	5.1
¼	5.1

℄		4.7
¼		4.0
Cb.		5.0
S		4.9
	270' E	
S		5.3
Cb.		5.1
¼		4.9
℄		5.0
¼		5.1
Cb.		5.1
N		5.2
	287' E	
N		5.2
Cb.		4.8
¼		5.0
℄		4.2
¼		3.6
Cb.		3.6
S		5.3
	300' E = W.L. Illinois St.	
S		5.3
Cb.		5.1
¼		5.0
℄		4.8
¼		3.6

14 Cbs.
13 1/4 S

Cb	3.5
+ 10	4.9
N	5.1
W Cb.	
N	5.0
Cb	4.2
¼	3.7
℄	4.9
¼	5.1
Cb.	5.2
S	5.3
W ¼	
S	5.3
Cb.	4.7
¼	5.1
℄	5.2
¼	5.0
Cb.	5.0
N	5.0
℄	
N	3.6
+ 5	4.8
Cb.	5.2
¼	5.2
℄	5.0
¼	4.6

cb.	2.5
S	3.3
E ¼	
S	3.9
cb.	3.4
¼	4.4
℄	4.8
¼	3.5
cb.	4.5
N	4.9
E. cb.	
N	4.3
cb.	5.0
¼	4.0
℄	4.9
¼	5.0
cb.	5.1
S	5.0
E.L. Illinois	
S	5.1
cb.	5.2
¼	5.0
℄	5.1
¼	5.0
cb.	4.5
N	4.7

15' E	
N	4.7
cb.	3.4
¼	4.8
+5	4.8
℄	4.7
¼	3.3
cb.	3.9
S	5.0
30' E	
S	5.2
+10	4.6
cb	3.5
¼	3.0
℄	4.7
¼	5.0
cb.	5.0
N	5.0
50' E	
N	3.1
cb.	4.0
+4	4.8
¼	5.0
℄	5.0
¼	4.7
cb.	4.4
S	4.4

75' E

S	3.9
cb.	3.7
¼	5.1
℄	4.6
¼	4.0
cb.	4.4
N	3.4

100' E

N	2.5
cb.	3.7
¼	4.6
℄	5.0
¼	5.5
cb.	5.5
S	5.4

120' E

S	5.1
cb.	5.2
¼	4.5
℄	4.0
¼	4.9
cb.	5.2
N	4.9

135' E

N	4.8

cb.	4.9
¼	4.7
℄	4.6
¼	5.1
cb.	5.0
S	5.0

Section at 150.5' E = W.L. Belvy. St. + W.L. Monroe {Section at Rt. Angles to Monroe}

S	5.1
cb.	5.1
¼	5.1
℄	4.3
¼	3.5
cb.	4.6
N	4.4

150.5' E

Section Parallel with West Line of Boundary St.

N	4.5
cb.	5.1
¼	4.0
℄	4.9
¼	5.2
cb	5.3
S	5.1

Section Illinois St. 80' wide 14 Cbs. 10' 1/4's.

From N.L. E.L. Cajon Ave to S.L. Madison Ave.

BP S.E. El Cajon + Iowa St	1.26	374.19	372.93
		N.L. El Cajon	
E			9.7
top Cb.			10.65
Gutter on Paving			11.10
1/4 " "			10.96
℄ " "			10.98
1/4 " "			11.20
Gutter " "			11.50
top Cb.			11.16
W			10.4
		5' N	
W			10.1
Cb.			10.5
+1			11.1
1/4			10.8
℄			10.5
+8			10.5
+9			9.9
1/4			9.8
Cb.			9.6
E			7.1
		33' N	
E			2.5
Cb.			3.2
1/4			5.6

374.19

+4	6.4
+6	8.8
℄	8.6
1/4	8.7
+7	9.2
+8	6.8
Cb.	6.8
W	7.1
	50' N
W	6.4
Cb.	7.3
+1	7.9
1/4	7.4
℄	7.5
+8	7.7
+9	6.6
1/4	5.7
Cb.	4.3
E	2.7
	100' N
E	2.7
Cb.	3.3
+8	4.1
1/4	5.2
℄	5.2
1/4	5.3

cb.		5.9
W		4.6
	150' North	
W		3.8
cb.		4.0
¼		3.7
℄		3.6
¼		3.6
cb		3.0
E		1.6
	185' N	
E		1.3
cb.		2.1
+4		1.5
¼		3.0
℄		3.0
¼		3.0
+7		3.4
cb.		2.9
W		3.3
	205' N	
W		3.0
cb.		1.1
+6		3.0
¼		2.6
℄		2.6

¼				2.5
cb.				2.1
E				1.0
	245' N			
E				0.0
cb.				0.9
¼				1.4
℄				1.7
¼				1.9
cb.				1.9
W				2.2
T.P.	9.68	383.31	0.56	373.63
W				10.8
℄				10.5
¼				10.3
℄				10.1
¼				9.8
+6				9.8
cb.				8.7
+4				7.5
E				7.6
	300' N			
E				8.5
cb.				9.0
¼				9.7
℄				9.4

¼	9.8
cb.	9.5
W	8.5
340' N	
W	9.9
cb.	8.F
+10	7.9
+12	8.5
¼	8.5
d.	8.2
¼	8.0
+8	7.9
+12	6.9
cb.	6.9
E	6.2
375' N	
E	7.1
cb.	7.4
¼	7.3
d.	7.8
¼	8.1
cb.	8.0
W	8.4
400' N	
W	7.4
cb.	7.4

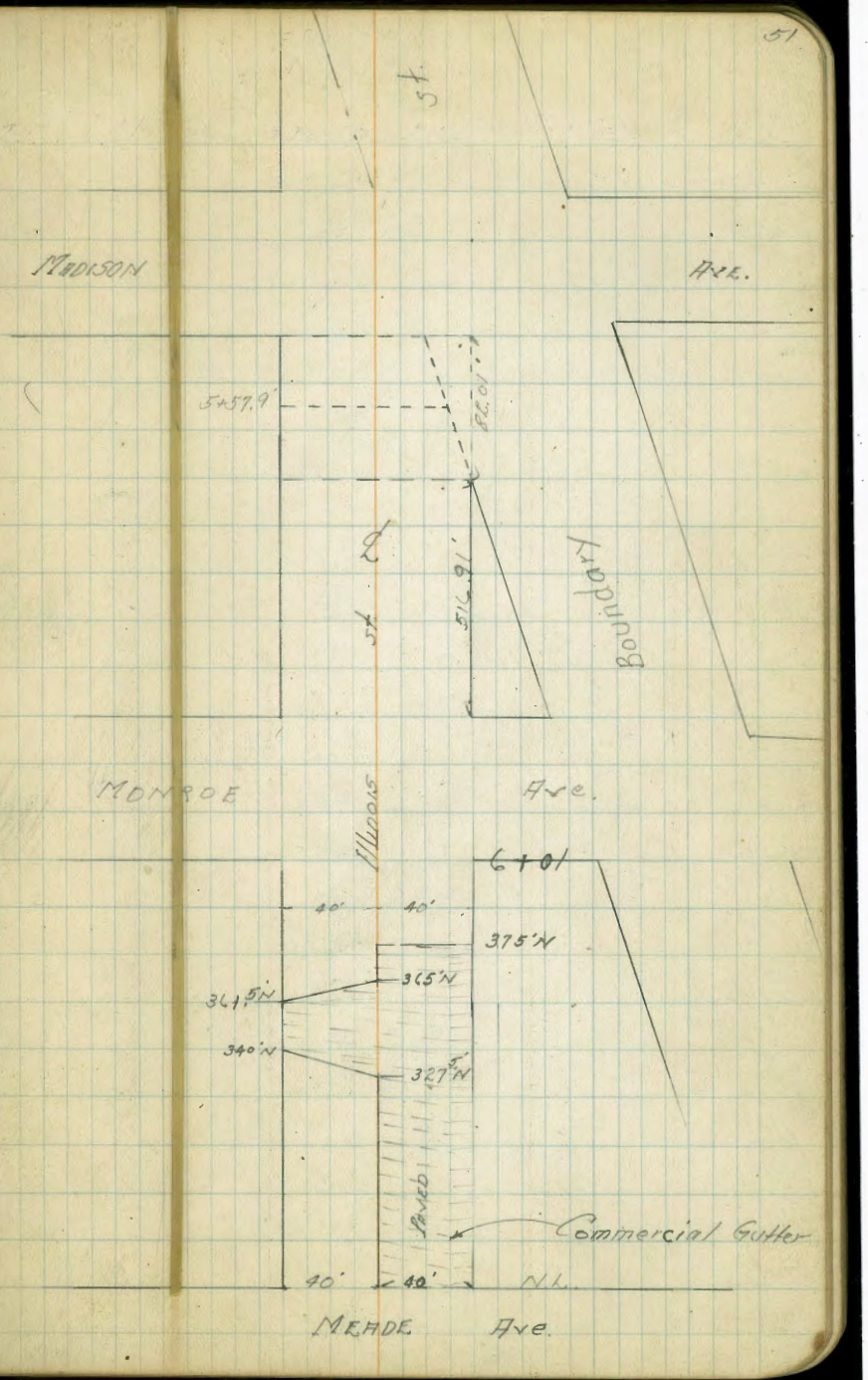
¼	7.9
d.	7.1
¼	6.7
cb.	7.1
E	6.1
450' N	
E	4.7
cb.	5.9
¼	5.8
d.	6.1
¼	6.1
cb.	6.4
W	6.6
500' N	
W	5.7
cb.	5.6
¼	5.5
d.	5.1
¼	4.7
cb.	4.4
+4	2.9
E	2.9
550' N	
E	3.3
cb	3.7
¼	3.8

℄		4.3
¼		4.4
cb.		4.5
W		5.3
	600' N = S.L. Meade Ave	
W		3.1
top cb.		3.22
Gutter Ground		3.6
¼		3.1
℄		3.2
¼		2.7
Gutter		2.8
top cb.		2.21
E		2.0
	Intersection of Meade Excepted	
TP	7.86 389.10 2.07	381.24
	N.L. Meade Ave.	
E		6.5
top cb.		6.90
Gutter on Paving		7.48
¼ " "		7.36
℄ " "		7.57
¼		8.0
Gutter on Ground		8.2
top cb.		7.87
		7.6

50' N	
W	7.4
cb.	7.4
¼	7.5
℄ = top Paving	7.26
100' N	
℄ = top Paving	6.80
+3	6.4
¼	7.0
cb.	6.5
W	6.1
150' N	
W	5.7
cb.	5.5
¼	4.8
+10	9.4
℄ = top Paving	6.32
200' N	
℄ = top Paving	6.08
+3	5.2
¼	5.8
cb.	6.0
W	6.2
250' N	
W	5.3
cb.	5.3

38910

¼	5 2
+10	5 4
℄ = top Paving	5.66
300' N	
℄ = top Paving	5 31
¼	4 9
cb.	4 8
W	4 9
320' N	
W	4 7
cb.	4.5
¼	4 9
℄ on paving	5.20
¼ " "	5 29
Commercial Gutter on Paving	5 44
E top of Paving	4 83
327.5' N = toe of paving on west	
E on Paving	361
Com. Gutter "	5 27
¼ on Paving	5 10
℄ " "	5 10
¼ dirt	4 8
cb.	4 4
W	4 7
340' N = South edge of paving on West	
W	4.17



389.10

T.P.	8.57	393.25	9.42	384.68
361.5' N	See Sketch		8.27	on Pavement
365' N	" "		9.05	" "
375' N = $\mathcal{L}^{RR}$	Paving		8.91	
¼	on Paving		8.95	
Com. Gutter	on Paving		9.14	
E			7.57	
		425' N		
E			7.9	
Cb			8.7	
¼			8.5	
℄			8.3	
+3			7.8	
¼			8.0	
Cb			8.5	
W			8.5	
		430' N		
W			7.6	
Cb.			7.5	
¼			7.7	
+10			7.9	
℄			8.3	
¼			8.5	
Cb.			8.5	
E			7.8	
		475' N		

393.25

52

E	7.6
Cb.	7.7
¼	7.5
℄	7.5
¼	7.0
Cb.	5.9
~~W~~	4.9
488' N	
W	6.0
Cb.	5.0
¼	5.9
℄	7.1
¼	7.5
Cb	8.0
E	7.7
510' N	
E	7.5
Cb.	7.6
¼	7.4
℄	7.9
¼	7.7
Cb.	7.0
W	7.5
530' N	
W	7.1
Cb.	8.3

393.25

¼		6.8
℄		6.4
¼		8.1
Cb.		7.8
E.		7.8
	555' N	
E.		7.9
Cb.		7.9
¼		8.0
℄		8.0
¼		8.1
Cb.		8.2
W.		7.7
	570' N	
W.		6.3
Cb.		7.7
¼		8.2
℄		7.0
¼		7.0
Cb.		6.7
E.		6.4
	585' N	
E.		7.6
Cb.		7.6
¼		7.8
℄		8.0

393.25 53

¼	8.1
Cb.	8.2
W.	8.1
	601' N = S.L. Monroe
W.	8.2
Cb.	8.1
¼	8.0
℄	6.4
¼	7.1
Cb.	7.9
E.	7.9

6.00
T.R. Nail in Pole Page 37 393.59 5.66 387.59 ✓

Intersection on Page 44
N.L. Monroe

E.	8.0
Cb.	8.1
¼	7.8
℄	6.7
¼	8.0
Cb.	8.1
W.	8.2
	15' N
W.	8.1
Cb.	8.3
¼	8.0
℄	6.9

393.59

¼	7.7
Cb.	5.8
E	6.5
45' N	
E	7.8
Cb.	7.6
¼	7.2
Q	6.1
¼	7.7
Cb.	7.7
W	8.0
65' N	
W	7.7
Cb.	6.2
¼	6.2
Q	7.4
¼	7.6
Cb.	7.2
E	5.7
90' N	
E	7.2
Cb.	7.4
¼	7.6
Q	7.4
¼	7.5
Cb.	7.2

W	7.6
120' N	
W	6.4
Cb.	7.3
¼	7.2
Q	6.2
¼	6.6
Cb.	6.6
E	6.3
135' N	
E	7.4
Cb.	7.3
¼	7.0
Q	7.1
¼	7.1
Cb.	6.8
W	6.8
170' N	
W	6.7
Cb.	6.9
¼	7.0
Q	7.0
¼	6.9
Cb.	7.0
E	6.0
200' N	

E	6.8
Cb.	6.8
¼	6.7
C	6.6
¼	6.7
Cb.	6.6
W	6.6
250' N	
W	6.3
Cb.	6.5
¼	6.5
C	5.6
¼	4.8
Cb.	6.7
E	6.4
275' N	
E	6.4
Cb.	6.1
¼	6.7
C	6.5
¼	6.4
Cb.	6.4
W	6.1
290' N	
W	6.7
Cb.	6.3

¼	6.5
C	6.5
¼	6.3
Cb.	6.3
E	6.3
300' N	
E	6.0
Cb.	4.9
¼	5.1
C	6.2
¼	6.2
Cb.	6.2
W	6.4
315' N	
W	5.9
Cb.	6.1
¼	6.3
C	6.4
¼	5.8
Cb.	5.6
E	5.7
330' N	
E	5.9
Cb.	5.9
¼	6.1
C	6.2

393.59

¼		4.5
cb.		5.1
W		5.7
	350' N	
W		5.9
cb.		5.9
¼		5.8
d		5.9
¼		5.9
cb.		5.9
E		5.9
	375' N	
E		5.7
cb.		5.6
¼		4.5
d		4.7
¼		5.4
cb.		4.0
W		4.2
	400' N	
W		5.8
cb.		5.4
¼		5.6
d		5.5
¼		5.4
cb.		5.5
E		4.6

393.59

5L

430' North

E	5.6
cb.	5.4
¼	5.4
d	5.1
¼	5.1
cb.	4.5
W	5.7
	450' N
W	5.6
cb.	5.5
¼	5.5
d	5.2
¼	5.4
cb.	5.3
E	5.5
	480' N
E	5.3
cb.	5.2
¼	4.4
d	4.1
¼	5.5
cb.	5.5
W	5.3
	516.91' N
W	4.9

	39359		
Cb.		3.3	
¼		3.6	
℄		4.8	
¼		5.2	
Cb.		5.1	
E.		5.3	
	557.9		
Cb. + 2.2 = W.b. Boundary		4.9	
Cb.		4.9	
¼		5.0	
℄		4.9	
¼		4.7	
Cb.		4.9	
W		5.1	
	598.32 N = Sb. Madison on West		
W		3.5	
top Cb.		3.77	
Gutter on Ground		4.4	
¼		4.2	
℄		4.1	
¼		4.1	
+ 3.4 = W.b. Boundary St.		4.1	

Ms 1 KOY 3-27

LEVELS FOR DRAIN IN ℄ Alley Blk. 223 Univ. Hts
from Sta. 4+39 Page 20 ℄ to Bottom of Canyon

℄ (?)

	1.0	289.16		288.16	Elev. Con. Floor Sta. 384 - Page 3 Garage on N.
4+39			2.9	286.3	
+53			11.3	277.9	
T.P.	0.05	276.62	1.59	276.57	
4+77			8.0	268.6	3/3/27
5+01			15.6	261.0	
+21			21.4	255.2	Canyon
+25			21.4	255.2	
+45			15.7	260.9	
T.P.	12.60	289.17	0.05	276.57	
(Blk. Garage on S 4+37 Page 20)			2.9	286.3	

See page 19 for Xsection

Walker
4-5-27

X Section Everett St 80' wide

14' cbs
13.45

7141

59

S.E. BP.				
NS + Evans	6.40	71.41		65.01
on top of cb at E"			4.88	66.53
" " " " F"			4.42	66.99

Sec A = 57' / 14' cbs 7.25 ± slant (=Approx. dist. only in this Section)

N		4.5	66.9
cb		5.1	66.3
¼		5.1	66.3
½		4.9	66.5
¼		5.1	66.3
cb		4.9	66.5
S			

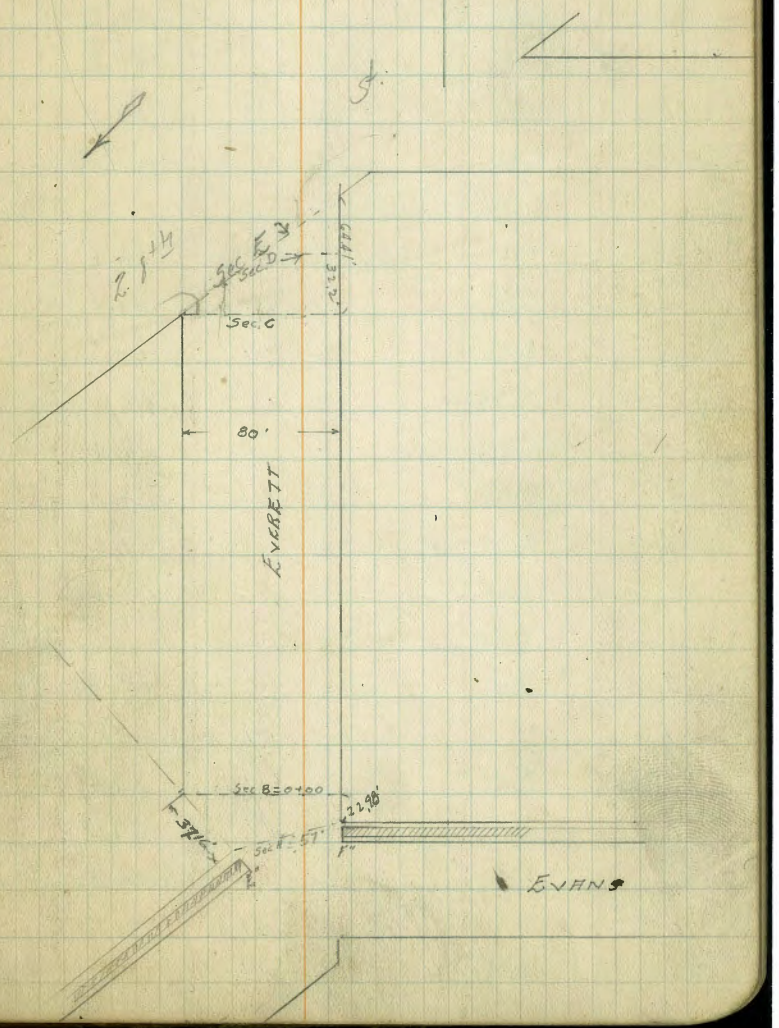
Plotted
M.J. Caldwell

Section B = 0+00

S		3.5	67.9
+13		3.5	67.9
cb		4.7	67.2
+3		4.5	68.9
¼		3.9	67.5
½		3.8	67.6
¼		3.8	67.6
cb		3.2	68.2
N		3.1	68.3

50' E of Sec B

N		2.5	68.9
cb		2.8	68.6
¼		2.8	68.6
½		3.0	68.4
+11		3.5	67.9
cb		3.0	68.4
S		2.8	68.6



	100' E of Sec B		
S		1.9	69.5
cb		2.6	68.8
+3		3.2	68.2
¼		2.3	69.1
cb		1.9	69.5
¼		2.2	69.2
cb		2.3	69.1
N		1.8	69.6
	150' E of Sec B		
N		2.3	69.1
cb		2.1	69.2
¼		1.9	69.5
cb		1.8	69.6
¼		2.0	69.4
+11		2.4	69.0
cb		1.8	69.6
S		1.2	70.2
	200' E of Sec B		
S		1.6	69.8
cb		1.9	69.5
+2		2.4	69.0
¼		1.7	69.7
cb		1.6	69.8
¼		1.9	69.5
cb		2.1	69.3

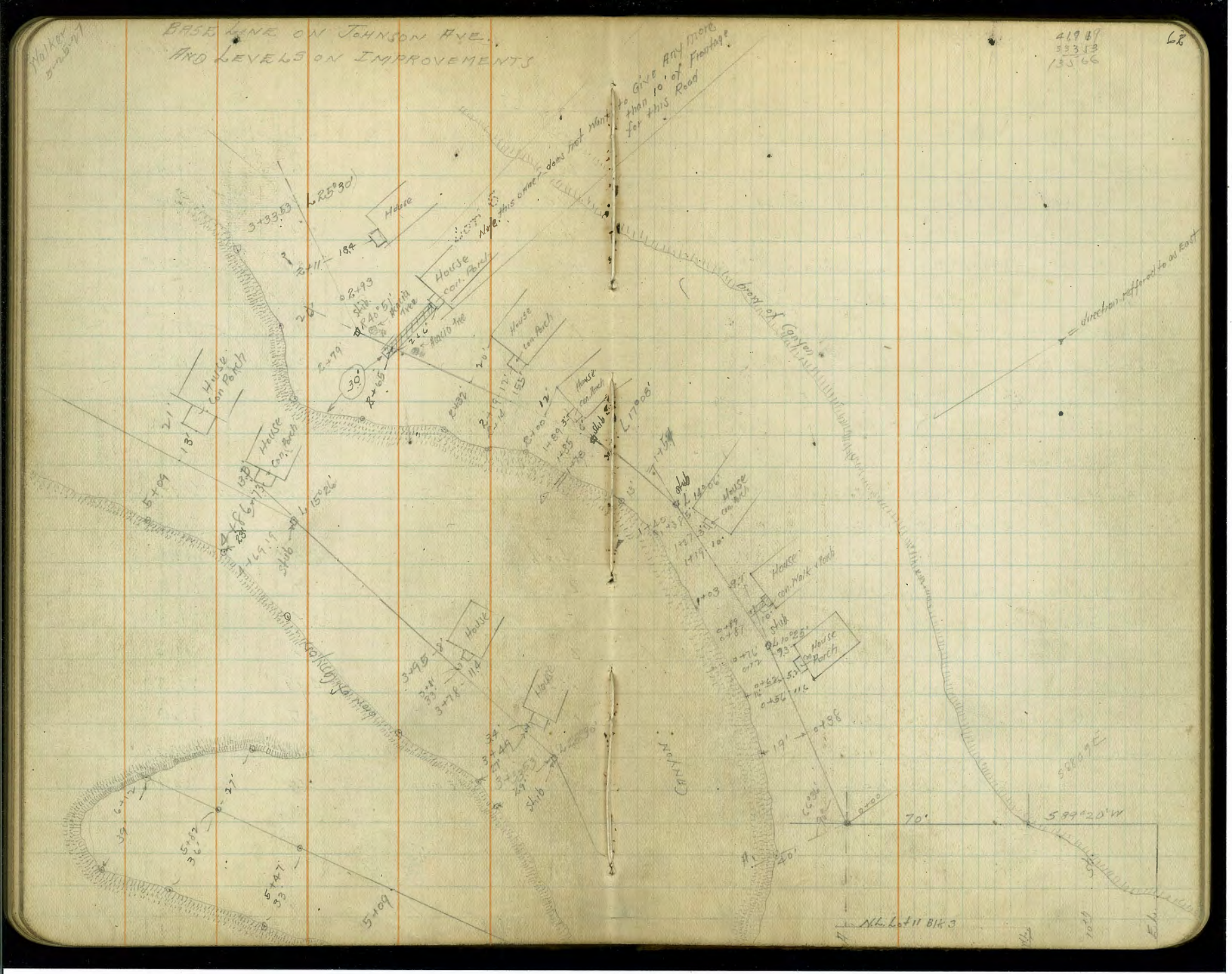
N		1.5	69.6
T.P. 7.05	77.07	1.39	70.07
	250' E of Section B		
N		7.5	69.6
cb		7.7	69.4
¼		7.5	69.6
cb		7.2	69.9
¼		7.4	69.7
cb		7.4	69.7
S		7.0	70.1
	300' E of Sec B		
S		6.1	71.0
cb		6.7	70.4
+1		6.7	70.4
+4		7.4	69.7
¼		7.1	70.0
cb		6.8	70.3
¼		7.0	70.1
cb		7.1	70.0
N		6.7	70.4
	350' E of Sec B		
N		5.7	71.4
cb		6.5	70.6
¼		6.2	70.9
cb		6.1	71.0
¼		6.5	70.6

77.07

+3			6.8	70.3
cb			6.0	71.1
S			5.5	71.6
T.P.	2.67	75.49	4.20	72.87
		400'E of Sec D		
S			3.5	72.0
+13			3.8	71.7
cb			4.0	71.5
+2			4.6	70.9
¼			4.1	71.4
℄			3.7	71.8
¼			3.8	71.7
cb			4.1	71.4
N			4.0	71.5
		450'E of Sec B		
N			3.3	72.2
cb			3.8	71.7
¼			3.7	71.8
℄			3.3	72.2
¼			3.6	71.9
cb			3.6	71.9
S			2.9	72.6
		499'E = Sec C		
S			2.6	72.9
+11			2.6	72.9
cb			3.1	72.1

7549 Everett St.
X. Section

¼		3.3	72.2
℄		3.2	72.3
¼		3.6	71.9
+10		3.9	71.6
cb		3.3	72.2
N		3.0	72.5
	Sec. D		
℄		3.6	71.9
S¼		3.2	72.3
S cb		3.3	72.2
+4		2.1	73.4
S		1.9	73.6
	Sec E. Parallel with Walnut St.		
S		3.0	72.5
S top cb		3.57	71.92
¼		3.7	71.8
℄		3.7	71.8
¼		3.2	71.3
N top of cb		4.99	70.50
N		4.5	71.0
T.P. 2.20	70.49	7.20	68.29
chk on B.M. N 4 E Mains	S.E.B.R.	5.52	64.97


BASE LINE ON JOHNSON AVE.
AND LEVELS ON IMPROVEMENTS
Walker
3-28-07
41987
59353
135-66
Note this owner does not want to Give Any more than 10' of Frontage for this Road
House
House con. Porch
House con Porch
House con Walk & Porch
Stub
Broad of Garden
= direction reference to as East
Canyon
70'
S 99°20' W
N.E. Lot 11 Blk 3

Levels on Johnson Ave – Improvements

S.E. Spike Johnson + Vermont	2.06	295.39		293.33
T.P.	2.76	291.38	4.77	288.62
TP	4.47	286.79	9.01	282.37
TP	6.37	290.42	2.74	284.05
		E.L. 10th on S.L. Johnson St.		10' cbs 50' Wide
S Prep.			9.2	81.2
S + 11 = Brow of Canyon			8.7	81.7
S + 26			18.6	71.8
		E cb line 10th = 10' W of E.L.		
26' N of S.L.			15.6	74.8
11' " " " = Brow of Canyon			7.9	82.5
S on top of cb			9.48	80.94
		E 10th St.		
S			9.9	80.5
24' N of S.L. = Brow of Canyon			7.6	82.8
40' N of S.L. = N.L. Johnson			16.2	74.2
		W cb line 10th St.		
50' N of S.L.			13.9	76.5
34' " " = Brow of Canyon			7.2	83.2
S top cb			9.43	80.99
		8' W W cb. line		
S			8.9	81.5
39' N of S.L. = Brow of Canyon			6.8	83.6
50' N " "			11.2	79.2
		W.L. 10th St.		

29047

50' N of S.L.	10.6	79.8
40' N " S.L. = N.L. = Brow of Canyon	6.7	83.7
S	7.0	83.4
	35' W W.L. 10th St. Johnson St.	
S	6.2	84.2
20' N of S.L. = E Johnson	5.8	84.6
N.L.	5.2	85.2
	70' W N.L. = Δ 88°66°36' = 0+00 of Base Line	
N.L.	6.7	83.7
E	7.3	83.1
S.L. = A	7.9	82.5
	0+00	
5' W of A.	16.0	74.4
29' W of Base Line = Brow Canyon	8.3	82.1
0+00 = N = Base line	6.7	83.7
	0+38	
Base line	7.0	83.4
19' W of Base line = Brow of Canyon	7.5	82.9
34' " " "	18.0	72.4
	0+56	
11.6' E of Base line = House	5.7	84.7 on Ground at Foundation
0+62 = E Con. Porch 5.2 E of Base line = West edge 1st step.		
Top of 1st Step.	5.44	84.98
Ground at Step	5.9	84.5
Base line	6.8	83.6
16' W = Brow of Canyon	7.2	83.2

Johnson St.

290.47			
31' W of Base line	18.9	71.5	
0+72			
9.3' E = House	5.8	84.6	
T.P. 343 28673	7.17	283.30	
0+87			
10' E of Base line = House	2.3	84.4	
0+89 = ℄ Con. Walk 2' Wide 0' E of Base line			
Top of Walk	2.57	84.21	
1+03			
9.3' E = House	2.4	84.3	
Base line	3.1	83.6	
15' W = Brow Canyon	3.1	83.6	
30' W	12.7	74.5	
1+19			
10' E Base line = House	2.9	83.8	
1+27 = ℄ Con. Porch + Step.			
4' E = Top Con. Porch	2.07	84.71	
3' E = Top con. step.	2.57	84.21	
1+38			
5' E = House	3.0	83.7	
Base line	3.5	83.2	
13' W = Brow Canyon	3.5	83.2	
28' W	13.7	73.0	
1+57			
Base line	4.3	82.4	
13' W = Brow Canyon	4.0	82.7	

286.73			
28' W Base line	14.2	72.5	
1+85'			
6' E = House	3.6	83.1	
1+89 = ℄ Con. Porch			
3' E of Base line on top step.	3.67	83.06	
2+00			
2.0' E of Base line = House	4.1	82.6	
Base line	5.2	81.5	
2' W	5.6	81.1	
3' W	6.4	80.3	
16' W = Brow of Canyon	6.2	80.5	
31' W	16.8	69.9	
2+14			
15.5' E of Base = House	5.1	81.6	
2+19 on top step see sketch	4.78	81.95	
2+32			
22' E of Base line	6.0	80.7	
Base line	7.3	79.4	
2' W Base line	7.3	79.4	
3' W " "	8.6	78.1	
20' W " " = Brow of Canyon	8.5	78.2	
35' W " "	18.1	68.6	
T.P. 104 279.55	8.22	278.57	
2+65			
21.6' E = top of Walk at steps	6.00	79.55	
2' E of Base line on Walk	1.93	77.62	

Base line on Con step.	2.62	76.93
3' W of Base line on step	3.37	76.18
3' W " " " Ground	4.0	75.6
31' W " " " = Brow Canyon	4.6	75.0
46' W " " "	12.2	67.4
2+79 = Δ Section on Bisector of Angle		
50' W Base line	13.5	66.1
35' W " " = Brow of Canyon	6.9	72.7
Base line	4.5	75.1
10' E of Base line	2.1	77.5
2+93		
Base line	3.3	76.3
5' W " "	5.3	74.3
26' W = Brow Canyon	6.3	73.3
41' W	19.0	60.6
What → 2+11		
18.4' E = top of 1st step	0.87	78.68
18.4' E = Ground at step	1.6	78.0
3+35.5 = Δ section on Bisector of Angle		
Base line	3.9	75.7
12' W Base line	5.1	74.5
17 " " "	6.6	73.0
29 " " " = Brow Canyon	7.0	72.6
44' " " "	19.3	60.3
3+49		
3.4' E of Base line on top step	3.49	76.06

3.4' E on Ground at step	4.5	75.1
Base line	4.6	75.0
8' W Base line	4.8	74.8
14' W " "	7.1	72.5
27' W = Brow of Canyon	7.3	72.3
42' W Base line	19.9	59.7
3+81 = ℄ steps 7.4' E Base line		
7.4' E Base line on top step	5.25	74.30
7.4 E on Ground	6.1	73.5
Base line	6.3	73.3
13' W Base line	7.3	72.3
15' W " "	8.8	70.8
33.4' " " = Brow of Canyon	9.2	70.4
48' " " "	19.7	59.9
TP 262 26914	13.01	26654
4+47		
Base line	0.2	69.0
8' W	1.8	67.4
10' W	3.7	65.5
24' W = Brow of Canyon	4.8	64.4
39' W	12.3	56.9
4+69.9 = Δ = ℄ Dble Garage 42' E Base line		
42' E = Garage	1.5	67.7
4+86		
6.3' E on top step	1.95	67.21
6.3' E on Ground	2.75	66.41

Base line		4.4	64.8
6' W		5.6	63.6
9' W		7.4	61.8
23' W = Brow Canyon		8.3	60.9
38' W		15.3	53.9
	5+09		
13' E of Base on top step		3.9	65.97
13' " " " " Ground at step		3.8	65.4
Base line		6.8	62.4
5' W		7.9	61.3
7' W		10.2	59.0
26' W = Brow Canyon		11.3	57.9
41' W		18.7	50.5
T.P.	304 259.97	12.23	256.93
	5+47		
Base line		2.2	57.8
33' W = Brow of Canyon		4.8	56.2
48' W		12.6	47.4
	5+87		
51' W		15.1	44.9
36' W = Brow		7.0	53.0
Base line		5.7	54.3
27' E = Brow of Canyon		6.4	53.6
37' E		10.1	49.9
	6+17		
10' E		10.9	49.1

Base line = Brow		7.8		52.2
39' W Base line = Brow Canyon		8.6		51.4
54' W		16.8		43.2
T.P. 1253	272.22	0.28	259.69	
T.P. 1275	284.65	0.32	271.90	
T.P. 490	289.53	0.02	284.63	chk. this for Elev. of Ch. on S.W. cor. 1275 + Johnson
T.P. on (S.W.) B.M. Johnson + 10.26		8.57	281.01	
			281.01 = BM	
			0.00 = Marvelous	

Cross Section Alley Block 1 Eastgate Between 14th & Highland From El Capon to Orange 20' Wide

					NW Cor.
BM	8.22	362.38		354.16	Orange & Highland
		N/L Orange			
E	Top Curb & Ground		5.89	356.49	
S			6.0	356.4	
W	Top Curb & Ground		5.70	356.7	
		20' S of N/L Orange			
W			4.5	357.9	
S			5.0	357.4	
E			4.4	358.0	
		50' N			
E			4.6	357.8	6.1 N Conc Garage 6.5 N of N/L Dirt Floor
S			4.4	358.0	4.
W			4.1	358.3	358.3
		75' N			
W			4.3	358.1	
S			4.5	357.4	
E			4.4	358.0	
		100' N			
E			4.2	358.2	
S			4.2	358.2	
W			4.1	358.3	
		150' N			
W			4.5	357.9	1.6 N Conc Garage 48.5 of N/L Conc. Floor
S			4.4	358.0	4.25
E			4.8	357.6	358.13

Plotted 6/16/37 BB

6-8-37 Survey Bliss Sorensen

		362.38			
		200' N			
E			46	357.8	
S			45	357.9	
W			43	358.1	
		240' N			
W			41	358.3	
S			41	358.3	
E	= Conc Garage Dirt Floor		40	358.4	
TP	4.89	363.68	359	358.79	
		270' N			
	= Conc Do Garage Conc Floor		47.2	358.96	
E			49	358.8	
S			49	358.8	
W			52	358.0	
		300' N			
W			50	358.7	
S			49	358.8	
E	Fence 0.5 to Alley		44	359.1	
		350' N			
E			47	359.0	356' N on E Side S End of 3 Garages 10 in Alley Dirt Floor 4.1 358.88
S			50	358.7	
W			47	359.0	400' N on E Side N End of 3 Garages 1.0 in Alley Dirt Floor 358.58
		400' N			
W			54	358.3	39 E of Conc Garage 6.1 W of N/L Dirt Floor 5.8 358.3
S			58	357.9	

		363.68			
E			5.2	358.5	
		450'N			
E	Fence 0.5' o Alley		6.1	357.6	46.3'N Conc Dr. Garage
&			6.1	357.6	44 E of F.L. Wood Floor 5.9
W			6.3	357.4	3578
		500'N			48'N Conc Garage
W			6.3	357.4	44 E of F.L. Conc Floor 5.85
&			6.3	357.4	35783
E			6.2	357.5	52.9'N = S End Garage 1.0' in Alley
		550'N			
E			5.7	358.0	54.1'N = N End Garage 1.2' in Alley
&			5.9	357.8	North Entrance
7.9 = Conc Apron			6.02	357.66	
W			6.0	357.7	
TP	3.24	360.82	6.10	357.58	
		570'N			
W			3.3	357.5	
&			3.1	357.7	
E			3.2	357.6	
		587'N			
E			3.2	3576	
&			3.4	357.4	
W			3.5	357.3	
		600'N			
W			3.8	357.0	
43			4.2	356.6	

		360.82			
&			4.4	356.4	
4.5			4.1	356.7	
7.8			3.4	357.4	
E			3.4	357.4	
			6.1'N = N.E. Cajon on F		
			6.4'N = " " " " SE		.02 Diagonal 2.63
E	Top Curb		5.00	355.8 ±	
	" Pavt'g		5.1	355.71	
&	" "		5.32	355.50	
W	" "		5.03	355.79	
	Top Curb		4.90	355.9 ±	
					S/T & P
8.N			4.65	356.19 ±	E/Cap on Highbank 356.14

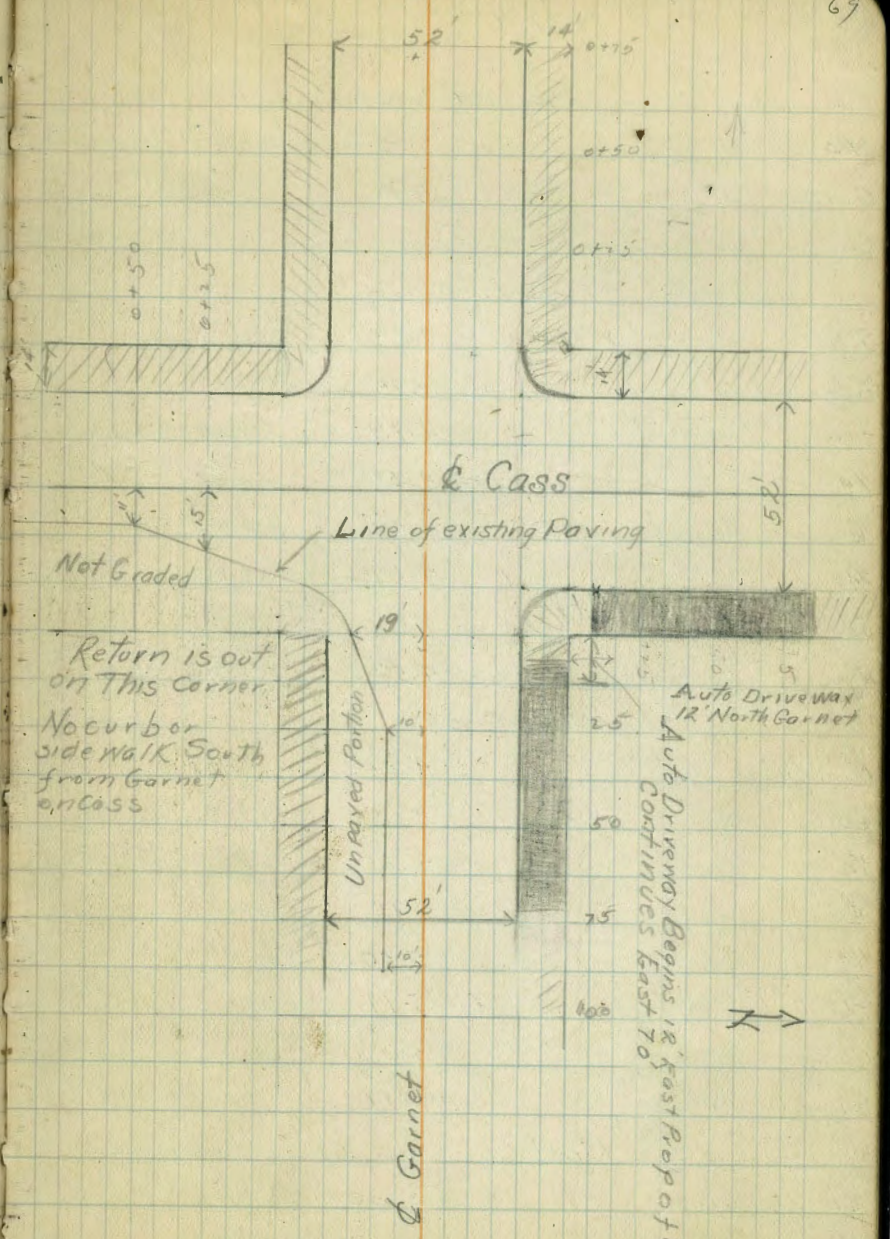
Plotted 6/16/27 J.B.

X-Section Levels on existing Paving. At the intersection of Cass and Garnet Streets

Bliss
Isabell
Bliss
Pacific Beach

10/21/27	+	⊼	−	Elev
N. East Brass Plug Cass & Garnet	4.22	32.76		28.54
		100' East of East Line of Cass		
North Top Curb			3.51	29.25
Gutter			4.28	28.48
1/4			4.03	28.73
℄			3.95	28.81
+10 Edge of Paving on Dirt			4.07	28.69
1/4			4.3	28.33
Gutter			5.0	27.76
South Top Cb			4.38	28.38
		75' East		
S Top Cb.			4.54	28.22
Gutter			5.3	27.46
1/4			4.3	28.46
+3 Edge of Paving			4.30	28.46
℄			4.13	28.63
1/4			4.24	28.52
Gutter			4.45	28.31
N Top Cb.			3.65	29.11
		50' East	32.76	
N Top Cb. Auto Driveway To Super Service Station			4.50	28.26
Gutter			4.65	28.11
1/4			4.38	28.38
℄			4.26	28.50
+10 Edge of Paving			4.39	28.37

Plotted 10-27



+	↑ 32.76	-	Elev
	50 East Continued		
1/4		4.3	28.5
Gutter		5.4	27.4
Cb. - out			
	25 East		
S. Top Cb.		4.83	27.4
Gutter		5.5	27.26
+10 Edge of Paving		4.79	27.97
1/4		4.73	28.03
℄		4.50	28.26
1/4		4.61	28.15
Gutter		4.85	27.91
Top Cb. into Driveway		4.57	28.19
	℄ Prop Cass		
N Top Cb.		4.29	28.47
Gutter		5.08	27.66
1/4		4.77	27.99
℄		4.75	28.01
1/4	14'	5.30	27.46
+6 Edge of Paving		5.71	27.05
Gutter		5.6	27.16
S. Top Cb.		4.96	27.80
	East Cb.	32.76	℄
Cb. on Paving		5.90	26.86
1/4		5.19	27.57
℄		4.89	27.87

+	↑ 32.76	-	Elev.
	East Cb.		
1/4		4.76	28.00
cb.		5.00	27.76
Top Catch Basin		5.29	27.47
Prop in Gutter		5.12	27.64
Top Cb on Prop		4.22	28.54
	East cb+6		
N		5.02	27.74
cb.		4.83	27.93
1/4		4.84	27.92
℄		4.94	27.82
1/4		5.19	27.57
cb.		5.68	27.08
S		5.90	26.86
	East 1/4		
S		5.67	27.09
cb.		5.50	27.26
1/4		5.21	27.55
℄		5.03	27.73
1/4		4.87	27.89
cb.		4.78	27.98
N		4.88	27.88
	℄ Cass + Garnet		
N.		4.75	28.01
cb		4.85	27.91
1/4		5.01	27.75

	+	↑ 32.76	−	Elev
		℄ Cass + Garnet Continued		
℄			5.16	27.60
1/4			5.35	27.41
cb			5.58	27.18
G			5.72	27.04
		W 1/4.		
S			5.98	26.78
cb			5.77	26.99
1/4			5.52	27.24
℄			5.29	27.47
1/4			5.13	27.63
cb			5.05	27.71
N			4.90	27.86
		W cb.		
Top cb.			526	27.50
Gutter on N line			571	27.05
cb			5.63	27.13
1/4			5.48	27.28
℄			5.53	27.23
1/4			6.00	26.76
cb			6.41	26.35
S. in Gutter			6.74	26.04
Top cb			6.28	26.48
		W. Prop Cass		
S Top cb			6.27	26.49
Gutter			6.75	26.01

	+	↑ 32.76	−	Elev
		W. Prop Cass. Continued		
1/4			6.05	26.71
℄			5.66	27.10
1/4			5.63	27.13
Gutter			5.89	26.87
N Top cb			5.31	27.45
		25' West of West Prop Cass		
N Top cb			5.56	27.20
Gutter			6.20	26.56
1/4			5.96	26.80
℄			5.91	26.85
1/4			6.31	26.45
Gutter			6.98	25.78
S Top cb			6.51	26.25
		50' West		
S Top cb.			6.82	25.94
Gutter			7.32	25.44
1/4			6.60	26.16
℄			6.17	26.59
1/4			6.26	26.50
Gutter			6.46	26.30
N Top cb			5.79	26.97
		75' West		
N Top cb.			6.11	26.65
Gutter			6.74	26.02
1/4			6.50	26.26

	+	↑ 32.76	−	Elev
		75' West Continued		
℄			6.43	26.33
1/4			6.82	25.94
Gutter			7.57	25.22
S Top cb.			7.04	25.72
		25' North of North Prop Garnet		
West Top cb			4.85	27.91
Gutter			5.33	27.43
1/4			4.90	27.86
℄			4.31	28.45
1/4			4.96	27.80
Gutter			4.79	27.97
Top cb Auto Driveway			4.52	28.24
		50' North		
Top cb. Driveway			4.18	28.58
Gutter			4.39	28.37
1/4			4.00	28.76
℄			3.88	28.88
1/4			3.99	28.77
Gutter			4.99	27.77
W Top cb			4.44	28.32
		75' North		
W. Top cb.			4.06	28.70
Gutter			4.50	28.26
1/4			3.58	29.18
℄			3.44	29.32

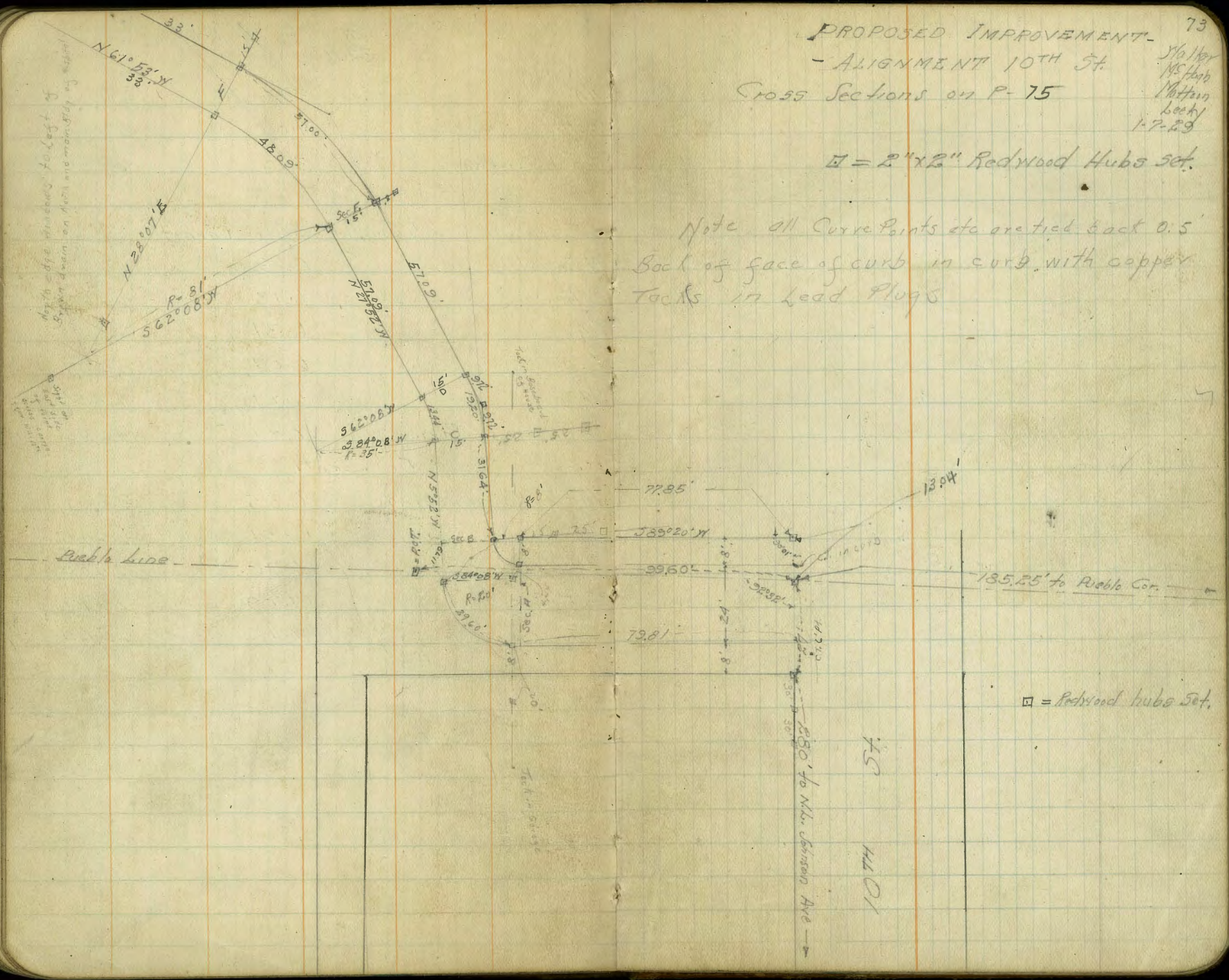
	+	↑ 32.76	−	Elev
1/4			3.56	29.20
Gutter			4.00	28.76
Top cb. Driveway			3.72	29.04
		25' South of S. Prop Garnet		
W Top cb			6.69	26.07
Gutter S			7.13	25.63
1/4			6.31	26.45
℄			6.07	26.69
1/4			6.21	26.55
+2. Edge of Paving			6.21	26.55
		50' South		
1/4 + 2 Edge of Paving			6.55	26.21
℄			6.51	26.25
1/4			6.76	26.00
Gutter			7.59	25.17
W Top cb			7.11	25.65

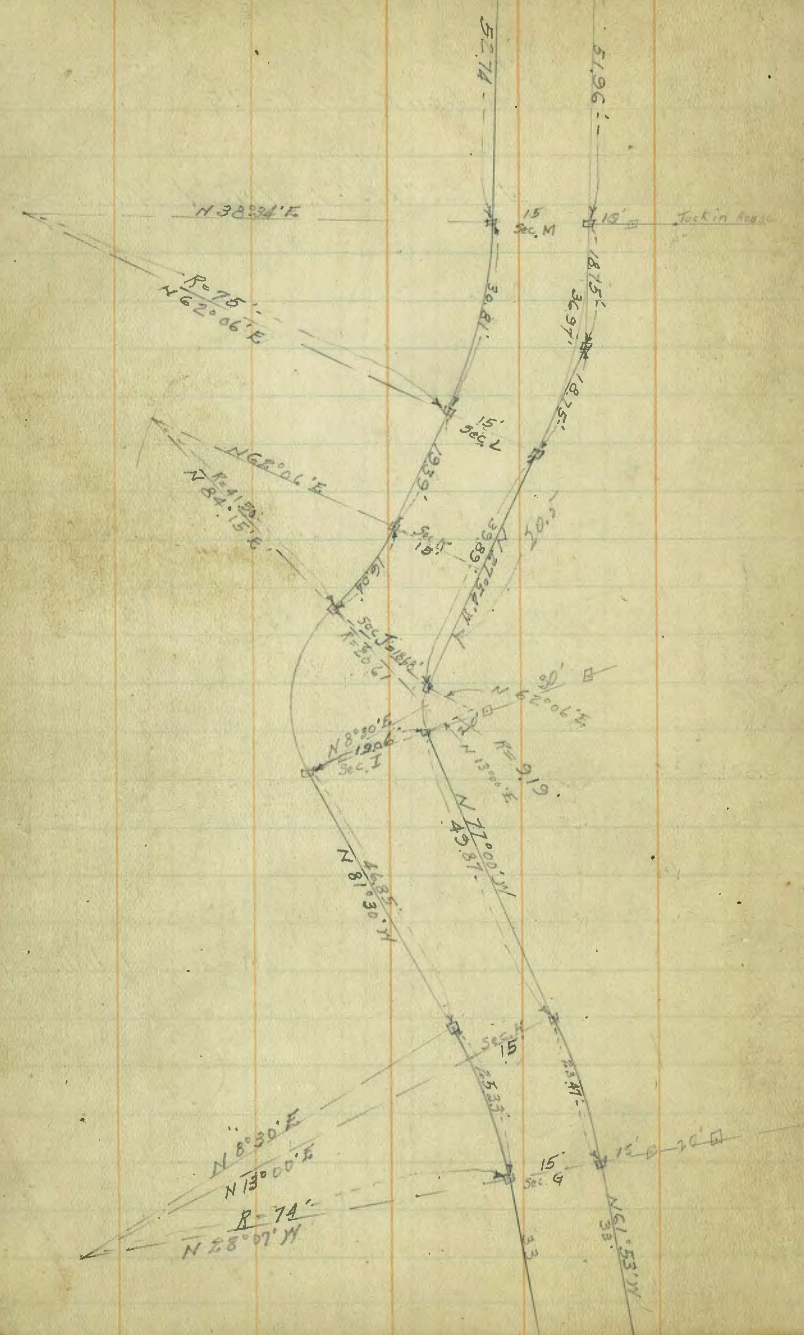
PROPOSED IMPROVEMENT-
- ALIGNMENT 10TH St.
Cross Sections on P- 75

Walker
McHugh
Mattson
Leeth
1-7-29

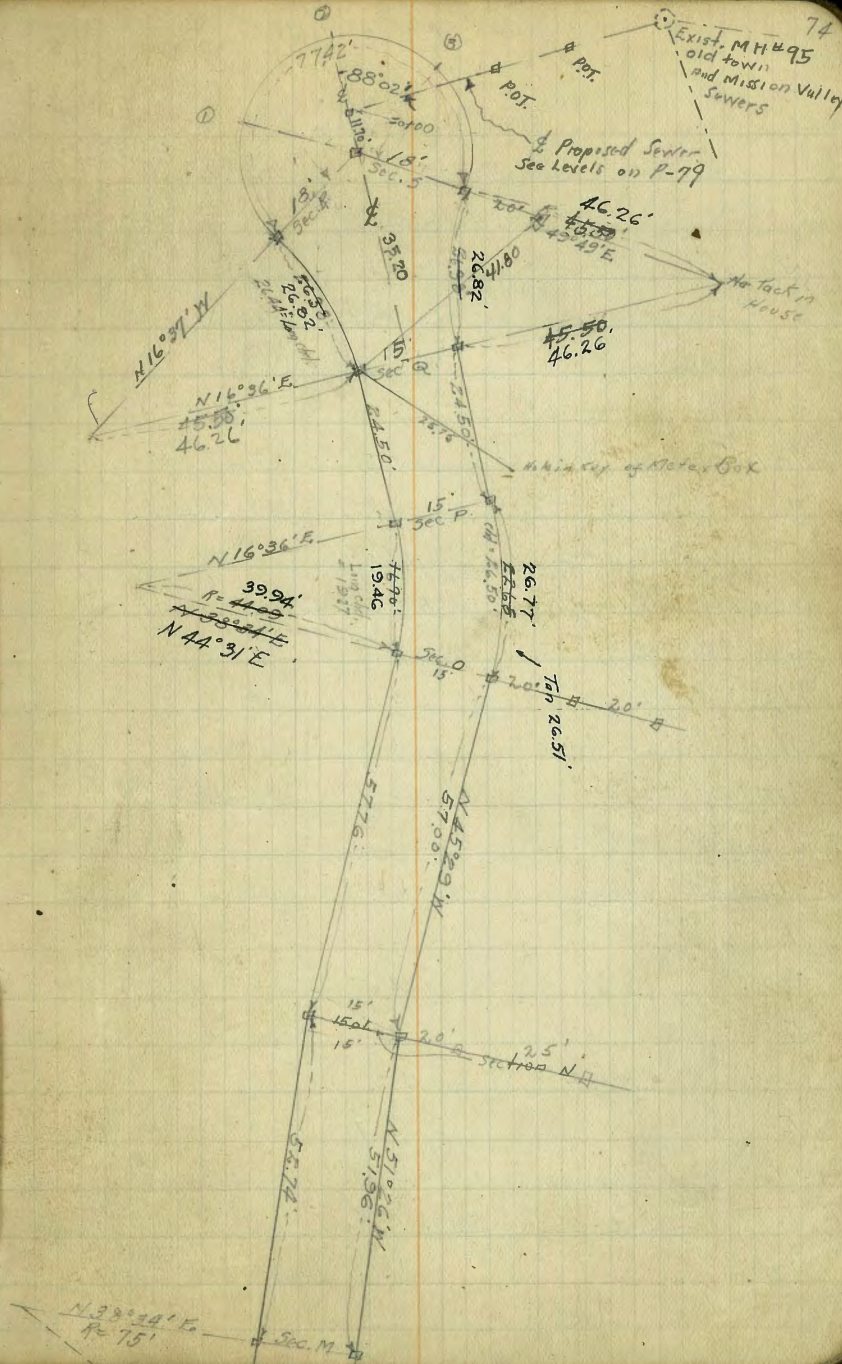
□ = 2"x2" Redwood Hubs Set.

Note all Curve Points etc are tied back 0.5' Back of face of curb in curb with copper Tacks in Lead Plugs





52.74
51.96
N 38°34' E
15 Sec. M
15'
Tack in Road
R=75'
N 62°06' E
30.81
36.97'
18.75'
15' Sec. L
N 68°06' E
R=41.25
N 84°15' E
Sec. K
15'
Sec. J
R=36.67
30'
N 62°06' E
N 8°30' E
19.06
Sec. I
R=9.19
N 77°00' W
45.87
N 81°30' W
46.85
Sec. H
15
25.33
23.47
N 8°30' E
N 13°00' E
R=74'
N 28°07' W
15' Sec. G
15'
20'
N 61°53' W



77.42'
88°02'
P.O.T.
P.O.T.
Exist. MH # 95
old town
and Mission Valley
Sewers
℄ Proposed Sewer
See Levels on P-79
18'
Sec. S
18'
Sec. R
35.20
46.26'
N 43°49' E
26.82
41.80
Nail Tack in House
N 16°37' W
15'
Sec. Q
N 16°36' E
45.50'
46.26'
45.50
46.26
24.50
Nail in cup of Meter Box
15'
Sec. P
N 16°36' E
39.94'
N 44°31' E
19.46
26.77'
26.50
Sec. O
15'
20'
20'
Tap 26.51'
57.76
57.00
N 45°29' W
15'
15
15'
20'
25'
Section N
52.74
N 51°26' W
51.96
N 38°34' E
R=75'
Sec. M

Cross Section N.Y. End 10th St.
As per sketch p 73 and 74

	6.91	287.88		280.97
		Sec. A = 40'		
N			5.3	282.6
B			4.9	283.0
S			5.7	282.2
		Sec. B = 15'		
W-10'			11.1	276.8
W			6.0	281.9
E			5.7	282.2
		31.64' N of Sec B = Sec. C		
E			4.7	283.2
+13			5.0	282.9
W			5.5	282.4
+10			14.4	273.5
		Sec. D = E.C.		
W-10			13.3	274.6
W			6.3	281.6
+2			4.5	283.4
E			4.7	283.2
		28.34' N of Sec D		
E			4.7	283.2
+10			4.5	283.4
W			6.6	281.3
+10			13.1	274.8
		Sec. E.		

B.P.S.W. End 10th St.

287.88

75

W-10'		11.4	276.5
W		4.5	283.4
E		4.2	283.7
	Section in center of curve E.F.		
E		4.8	283.1
+12		4.7	283.2
W		6.1	281.8
+10		13.8	274.1
	Sec. F = E.C. of curve E.F.		
-10		15.1	272.8
W		7.3	280.6
+7		5.8	282.1
E		5.9	282.0
	33' N of Sec. F = Sec G.		
E		7.9'	280.0
+13		7.7	280.2
W		9.4	278.5
+10		16.8	271.1
	Sec. H = E.C. on N		
W-10		17.0	270.9
W		9.8	278.1
+1		9.3	278.6
E		9.4	278.5
TP 247	278.11	13.24	275.64
	Sec. I = 190.6		
E		4.1	274.0

W		4.3	273.8
+10		7.7	270.4
	Section J = 1268'		
-10		12.0	266.1
W		4.9	273.2
E		4.3	273.8
	Sec K = 15'		
E		4.3	273.8
+12		5.0	273.1
W		6.5	271.6
+10		15.1	263.0
	Sec. L = 15'		
-10		13.5	264.6
W		5.8	272.3
+7		4.8	273.3
E		4.7	273.4
	Center of Curve L, M.		
E		5.0	273.1
+11		5.2	272.9
W		7.6	270.5
+10'		15.6	262.5
	Sec. M		
W-10		16.4	251.7
W		8.7	269.4
+3		6.7	271.9
E		6.1	272.0

	10' N of Sec. M.		
E		6.5	271.6
W		6.6	271.5
+10		14.0	264.1
	42' N of Sec. M		
W-10		14.4	263.7
W		9.3	268.8
E		9.0	269.1
	Sec N = Δ Rt. 5°57'		
E		9.2	268.9
+14		10.1	268.0
W		10.8	267.3
+10		15.8	262.3
TT. 121	267.02 ✓	12.30	265.81 ✓
	28.5' N of Section N on E		
W-10		9.8	257.2
W		5.8	260.2
+5		1.7	265.3
E		1.5	265.5
	Sec. O = PC		
E		3.8	263.2
+12		3.9	263.1
W		5.0	262.0
+10		9.9	257.1
	Sec. P = EC	Note: for X. Sections for this Section and on to End of Book see P- 77	
-10		10.7	256.3

W	6.2	260.8
E	5.9	261.1
Sec Q		
E	8.2	258.8
W	8.9	258.1
+3	9.3	257.7
+10	13.0	254.0
Sec. R		
-10	16.1	250.9
W	11.4	255.6
℄ on Radius Hub.	11.74	255.3
Part ① on Radial line		
W-10'	16.7	250.3
-4	13.0	254.0
W	12.8	254.2
Part ②		
Improvement Line -10'	13.7	253.3
" "	13.0	254.0
℄	11.7	255.3
Part ③		
Imp. Line -10'	10.6	256.4
" "	10.7	256.3
℄	11.7	255.3
Part ④		
Imp. Line	7.3	259.7
+2	7.8	259.2

+3	9.6	257.4
℄ on Radius hub	11.74	255.3
Ckt. on Con Step Sta 5+09 - 1.66	1.08	26594 26597 - Step Ckt 0.03 = Error

Re Cross Section from Section P to PART ④ on old Radius hub.

5.73 261.01 255.28 - 8 W.

Section P

E	0.4	260.6
W	0.6	260.4
+10	4.9	256.1
Sec. Q		
W-10'	8.4	252.6
W	3.5	257.5
E	2.9	258.1
+4	2.3	258.7
+5	0.3	260.7
Sec R		
Improvement Line -10'	12.0	249.0
" "	8.3	252.7
+5	5.9	255.1
+18 = NEW Radius hub.	6.66	254.35
Part ①		
Imp. Line -10'	14.0	247.0
" "	9.6	251.4
+5	6.8	254.2
+18	6.7	254.3

261.01

Section ½ Way bet.	Part ①	Part ②
Imp. Line -10'	10.4	250.6
" " -5	7.7	253.3
" "	7.4	253.6
" " +18 = Radius	6.6	254.4
Part ②		
-10	8.1	252.9
Imp. Line	7.6	253.4
+18 = Radius	6.6	254.4
Part 3		
Imp. Line -10'	5.8	255.2
" "	6.0	255.0
+18 = Radius	6.6	254.4
Section 5		
Imp. Line -10'	0.5	260.5
" " -5'	1.9	259.1
" " -4'	3.5	257.5
" "	4.1	256.9
+18' = Radius	6.6	254.4

37.7
17.4

Walter McHugh Mahon Levels 1929

Preliminary Levels
For Sewer From N.L.Y. End 10th St. to Exist. MH #95 = Mission Valley System
Location P-79

11.70 West of Radius hub = 0+00	3.63 on Stub.	257.98		254.35	B.M. on New Radius hub page-77
+35			4.11	253.9	
+54			1.9	256.1	
+63.77 = P.O.T.	Rd. Wood Hub		4.11	253.9	
+68			5.8	252.2	
+70			8.2	249.8	
+77			9.5	248.5	
+79			11.8	246.2	
T.P	0.16	245.60 ✓	1.54	244.44 ✓	
0+84			2.6	243.0	
+85			5.0	240.6	
+92			4.7	240.9	
T.P	0.23	233.27 ✓	12.56	233.04 ✓	
1+20.81 = P.O.T.	on Stub.		5.73	227.6	
1+31			11.5	221.8	
T.P	0.42	220.61 ✓	13.08	220.19 ✓	
T.P	0.02	208.09 ✓	12.54	208.07 ✓	
1+54			2.4	205.7	
+95			28.0	180.1	
2+05			38.2	169.9	
+39			57.7	150.4	
+67			74.9	133.2	
+93			89.0	119.1	
3+06			94.4	103.7	

20809

79

3+28	100.8		107.3	
+29	103.0		105.1	
+36	103.0		105.1	
3+37.9 = Z. Exist. MH #95 on Rim	101.3	106.2	106.6	Hand Level
3+37.9 = Flow Line Hand Level	Rod 107.5	100.0	100.6	
{Flow Line Profile 20} =	100.0			
	0.59 - Error			

DIRECTIONS FOR USE OF TABLES

TABLE No. 1.

Distance of slope stake from side or shoulder stake for any width roadway, slope 1½ to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope stake. If ground is not level estimate the difference in elevation between the side stake and slope stake, lower target by this amount if cut, elevate if fill. Add this amount to cut or fill and find distance in table. Set up rod at this point, and line of sight should cut target. If it does not make the slight adjustment necessary.

TABLE No. 9.

To find Tangent and External for curve of any other degree, divide by degree of curve and add correction found in column of corrections.

Degree of curve with a given I may be found by dividing tangent, (or external), opposite I by given tangent, (or external).

The distance from a point on the tangent to the curve is very nearly the square of the tangent length divided by twice the radius.

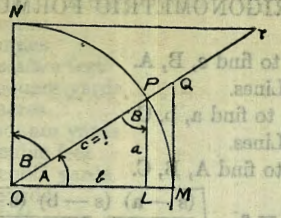


TABLE II

TRIGONOMETRIC FORMULÆ.

$\angle A = \angle MOP \qquad \angle B = \angle PON = \angle OPL$

$R = OB = c = 1$

$\sin A = \frac{a}{c} = \frac{a}{1} = a = \cos B = LP$

$\cos A = \frac{b}{c} = \frac{b}{1} = b = \sin B = OL$

$\tan A = \frac{a}{b} = \frac{MQ}{OM} = \frac{MQ}{1} = MQ = \cot B = MQ$

$\cot A = \frac{NT}{ON} = \frac{NT}{1} = NT = \tan B = NT$

$\sec A = \frac{OQ}{OM} = \frac{OQ}{1} = OQ = \csc B = OQ$

$\csc A = \frac{OT}{ON} = \frac{OT}{1} = OT = \sec B = OT$

$\text{vers } A = \frac{LM}{OP} = LM = \text{covers } B$ #

$\text{covers } A = \frac{OP - LP}{OP} = OP - LP = \text{vers } B$

$\text{exsec } A = PQ = \text{coexsec } B$

$\text{coexsec } A = PT = \text{exsec } B$

$\sin \tfrac{1}{2} A = \sqrt{\frac{1 - \text{Cos } A}{2}} \qquad \cos \tfrac{1}{2} A = \sqrt{\frac{1 + \text{Cos } A}{2}}$

$\sin 2A = 2 \sin A \cos A \qquad \cos 2A = \cos^2 A - \sin^2 A$

Law of Lines $\frac{\sin A}{a} = \frac{\sin B}{B} = \frac{\sin C}{C}$

Law of Cosines $c^2 = a^2 + b^2 - 2ab \cos C$

Law of Tangents $\frac{a+b}{a-b} = \frac{\tan \frac{1}{2}(A+B)}{\tan \frac{1}{2}(A-B)}$

180

1604
25
8.54

20.61
2
41.22

180
32
4 | 21.12
5.4

3.24

1799.60
8802
9158

Bet. Dri 3 + Hamilton
Lincoln + Univ. Blk 201

5 | 17.0

16.31

130
7.15
55

92.52

306.2
13
39.7

530

15

5 | 120
24

70

11.0
208
32 | 66.4
64
240

208
8
11.64

208
17
1456
208

2°56'

5°54

5°58'
3.11

38759
2.80
390.39

42465
2671.31
1571.34

39217
676
38041

16509
17.56
15053

267.31 = D
424.65 = St. Alley
7.69 = E Alley

256385993
467

3273.5
12.5
3399

3273.5
37.5
3650

3936.0
388.93
5.00

39325
5.56

393.93
467

790.47
941
281.04 = BM Johnson #10 1387.59

196.0
5.0 18
39.42

12138
41.21
12276
12276
1138
24552
25.300836

0958
70
6.7060

20809
107.3
100.6

9498
150
3490.0
698
1047.00
11.46

5126
5.29
50.86
45.29
5.57
8.14

3081 | 21000
18486
25140
1338 2156.7

14446
9252
2892
7230
2892
1801.4
13.37839.2

11.77
.68
9416
7962
8.0036