1495

LEVEL BOOK

No. 330 F

Our Leather Bound Engineers Note Books are carried in the following rulings:

No. 380 LEVEL BOOK. Left and Right Hand Page the same as Left Hand Page of this Book.

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

No. 384 MINING TRANSIT BOOK. Left Hand Page as in this Book, Right Hand Page 8x8 to the inch, Center Line Red.

No. 385 FIELD BOOK. Left Hand Page as in this Book, Right Hand Page 8 vertical and 4 horizontal lines to the inch, Center Line Red.

We also carry the Note Books listed above, bound in extra strong Fabri-Hide (otherwise the same quality of book), which can be furnished at a somewhat lower price.

In ordering Fabri-Hide covered books, add the letter *"F"* to catalog number.

Pershing Drive Extension

3/23/34
Miller.
Walker.
Bless.

Indexed
C.S.K.

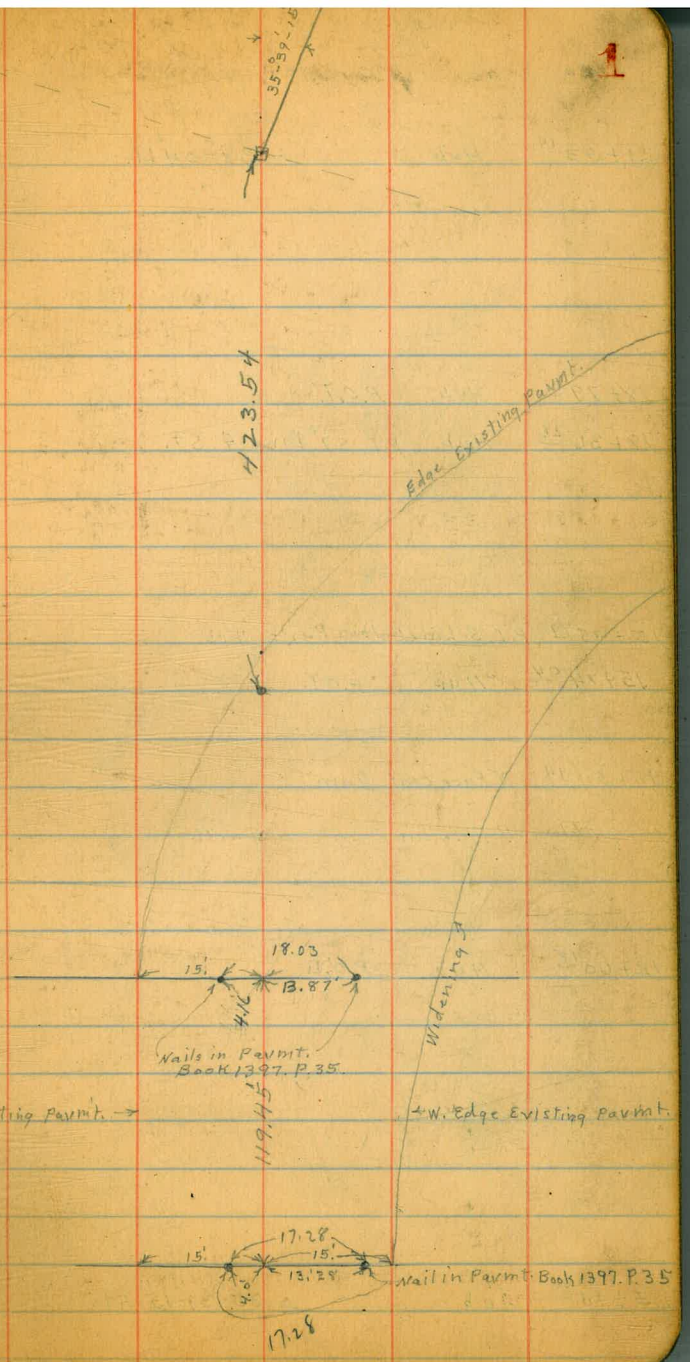
See change - page 6

5+14.30 Hub Δ. 35° 39' 15" RT.

0+91.90 E. Edge Pavmt.
0+90.76 Nail in Pavmt.
1.14

0+00

B.C. Widening Curve on W.



21+53.14 Hub △ 38°-04' Lt.

18+79.01 Hub. P.O.T.

18+36.26 Hub. P.I. S.T. Line A. St.

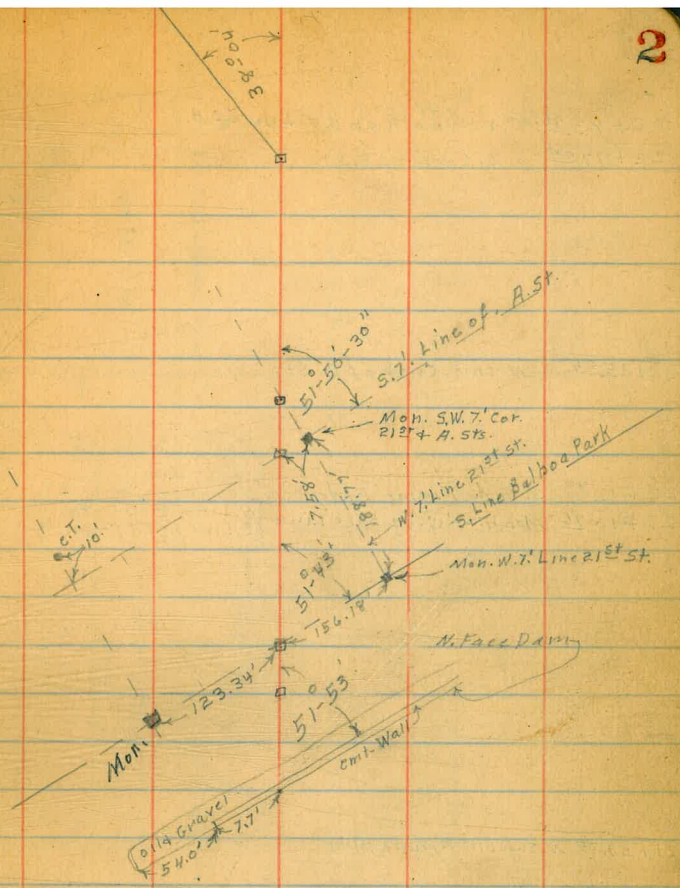
15+95.79 P.I. S. Line Balboa Park. Hub

15+74.04 Hub P.O.T.

15+54.44 N. Face Cmt. Dam.

12+60.18 Hub. P.O.T. ✓

5+14.30 Hub △ 35°-39'-15" Rt.



25.04
12.40
12.64

22+83.96 X in walk on S. 7' Line of B. St △
22+77.04 = S. Curb of B. St.

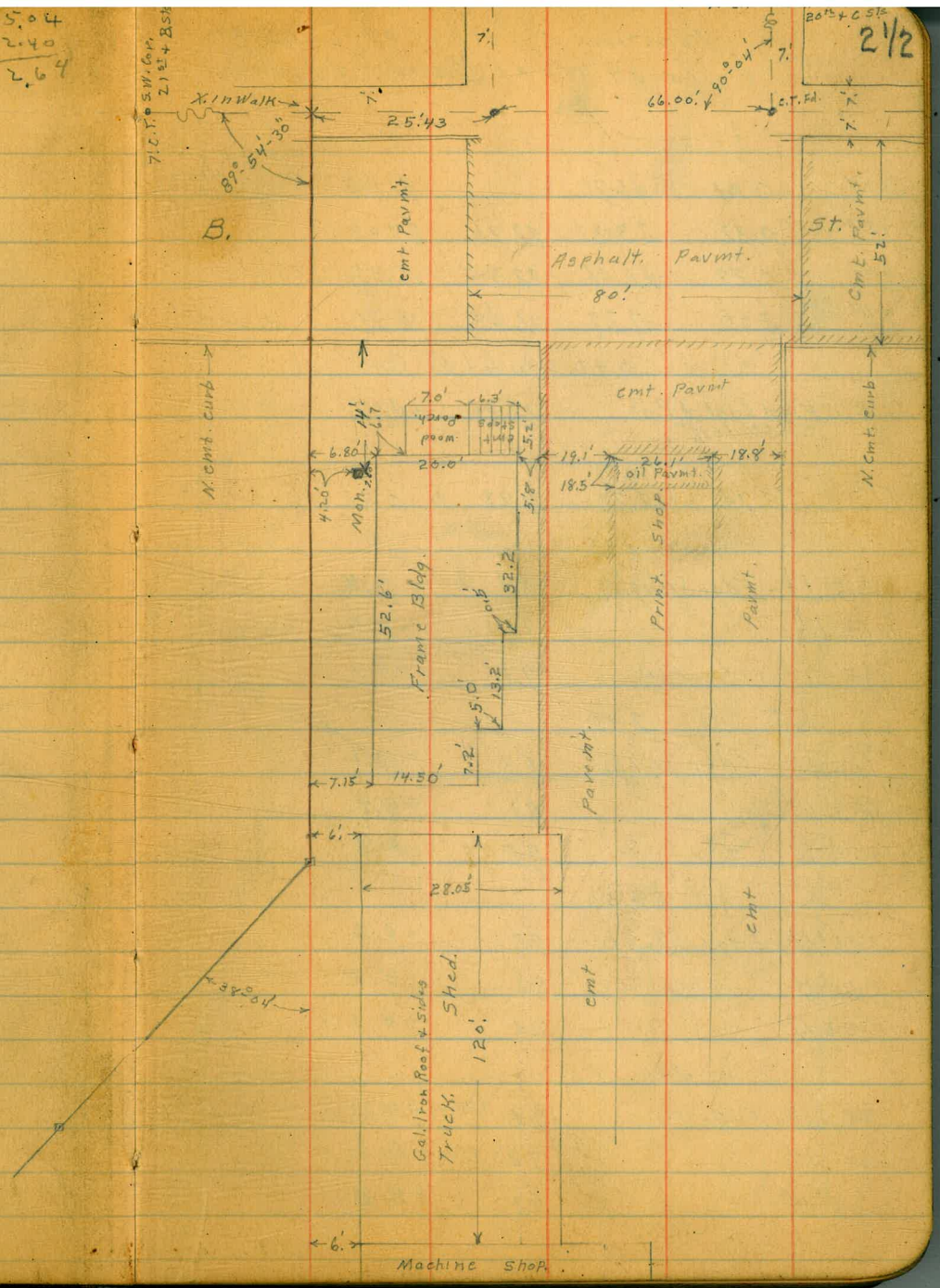
22+25.04 N. cmt. Curb of B. St.

22+12.40 S. End. Frame Bldg.
22+16.96 Mon 4.20' W. of Base Line { N. Line B St. & E. Line of City Property.

21+59.80 N. End. old Frame Bldg

21+57.18 S. End. Truck. Shed.
21+53.14 Hub △ 38°-04' Lt.

18+79.01 Hub P.O.T.



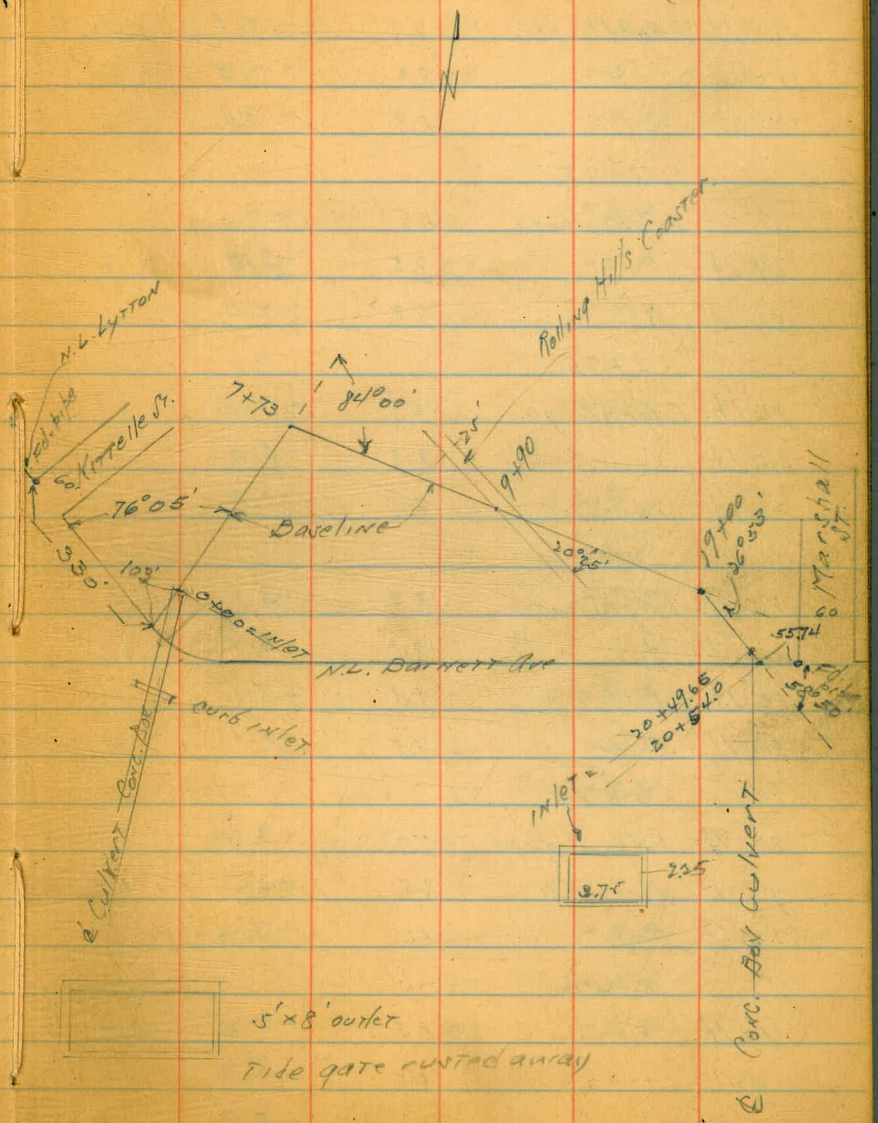
Location & Levels of Culverts & Slough N. of Barnett & Lytton

Indexed C.S.K.

4-28-34 L Moore 3

BM	0.01	41.76		41.75
TP	0.32	29.32	12.76	29.00
TP	0.29	16.66	12.95	16.37
TP	2.06	7.27	11.45	5.21
		0+0 = Inlet 48" Pipe		
℄	Flow Line 4" Pipe Closed +0 1/2"		12.21	-4.97
TP	3.74	3.22	7.79	-0.52
		1+0		
55' Lt = Edge Slough			6.4	-3.2
60' Lt			8.2	-5.0
65' Lt	"	"	7.3	-4.1
		2+0		
105' Lt = Edge Slough			6.3	-3.1
108 Lt			8.1	-4.9
113' Lt	"	"	7.5	-4.3
		2+50		
145' Lt = Edge Slough			7.2	-4.8
150' Lt			8.2	-5.0
155' Lt	"	"	7.3	-4.1
		3+0		
93' Lt = Edge Slough			7.3	-4.1
100' Lt			8.3	-5.1
105' Lt			7.2	-5.0

S.W. BP Roy Georgar & Ley Moore



3.22

3+50			
110' Lt.	Edge Slough	7.3	- 4.1
115 Lt		8.0	- 4.8
120' Lt	" "	6.8	- 3.6
3+75			
40' Lt.	Edge Slough	5.8	- 2.6
47 Lt		8.5	-5.3
52 Lt	" "	7.2	- 4.0
4+75			
15' Lt.	Edge Slough	5.7	- 2.5
25 Lt		8.5	- 5.3
33 Lt	" "	7.2	- 4.0
5+0			
25' Lt.	Edge Slough	6.3	-3.1
35 Lt =	℄ "	8.1	- 4.9
45 Lt =	℄ "	8.3	- 5.1
75 Lt =	Edge "	7.3	- 4.1
5+25			
80' Lt =	Edge Slough	7.0	- 3.8
95 Lt =	℄ "	8.5	- 5.3
65 Lt =	Edge "	6.6	- 3.4
5+50			
10' Lt		7.4	- 4.2
℄		8.5	- 5.3
10' Rt		6.1	- 2.9

3.22

6+0			
25 Rt =	Edge Slough	6.4	- 3.2
20 Rt		8.4	- 5.2
10' Rt =	Edge "	7.3	- 4.1
6+50			
30 Rt =	Edge Slough	7.1	- 3.9
22 Rt		8.2	- 5.0
15' Rt	" "	7.4	- 4.2
6+65			
℄ =	℄ Slough	8.3	- 5.1
7+0			
40 Lt =	Edge Slough	7.0	- 3.8
18 Lt		8.3	- 5.1
55 Lt =	Edge Slough	6.7	- 3.5
7+50			
27 Lt =	Edge Slough	7.5	- 4.3
37 Lt		8.3	- 5.1
46 Lt =	" "	7.1	- 3.9
TP	4.02 1.89	5.35	- 2.13
8+0			
7' Rt =	Edge Slough	5.5	- 3.6
14' Rt		6.9	- 5.0
20' Rt		5.7	- 3.8

1.89

8+50

7' Rt = Edge Slough		5.4	-3.5
15' Rt		6.8	-4.9
22' Rt	" "	5.5	-3.6
	9+90		
92' Rt = Edge Slough		5.7	-3.8
100' Rt		6.6	-4.7
108' Rt =	" "	5.7	-3.8
	11+0		
160' Rt = Edge Slough		5.6	-3.7
168' Rt		6.7	-4.8
175' Rt =	" "	4.4	-2.5
	12+0		
155' Rt = Edge Slough		5.8	-3.9
165' Rt		6.5	-4.6
170 Rt =	" "	5.0	-3.1
	13+20		
200' Rt = Edge Slough		5.4	-3.5
210' Rt		6.2	-4.3
220' Rt =	" "	3.4	-1.5
TP	2.31 1.70	2.50	-0.61
	13+35		
℄ = Edge Slough		5.6	-3.9
	13+45		
℄ = ℄ Slough		6.2	-4.5

1.70

13+55

℄ = Edge Slough		5.1	-3.4
	14+0		
92' Lt = Edge Slough		5.8	-4.1
100' Lt		6.8	-5.1
105' Lt Edge	"	5.8	-4.1
	15+0		
80' Lt = Edge Slough		5.9	-4.2
90' Lt		6.8	-5.1
97' Lt =	" "	5.5	-3.8
	15+10		
℄ = Edge Slough		6.0	-4.3
	15+20		
℄ = ℄ Slough		6.8	-5.1
	15+30		
℄ = Edge Slough		5.1	-3.4
	15+50		
70' Rt = Edge Slough		5.5	-3.7
80' Rt		6.6	-4.9
90' Rt =	" "	5.9	-4.2
	16+0		
73' Rt = Edge Slough		5.8	-4.1
80 Rt		6.5	-4.8
87 Rt =	" "	5.8	-4.1

8.93
2.25
11.18

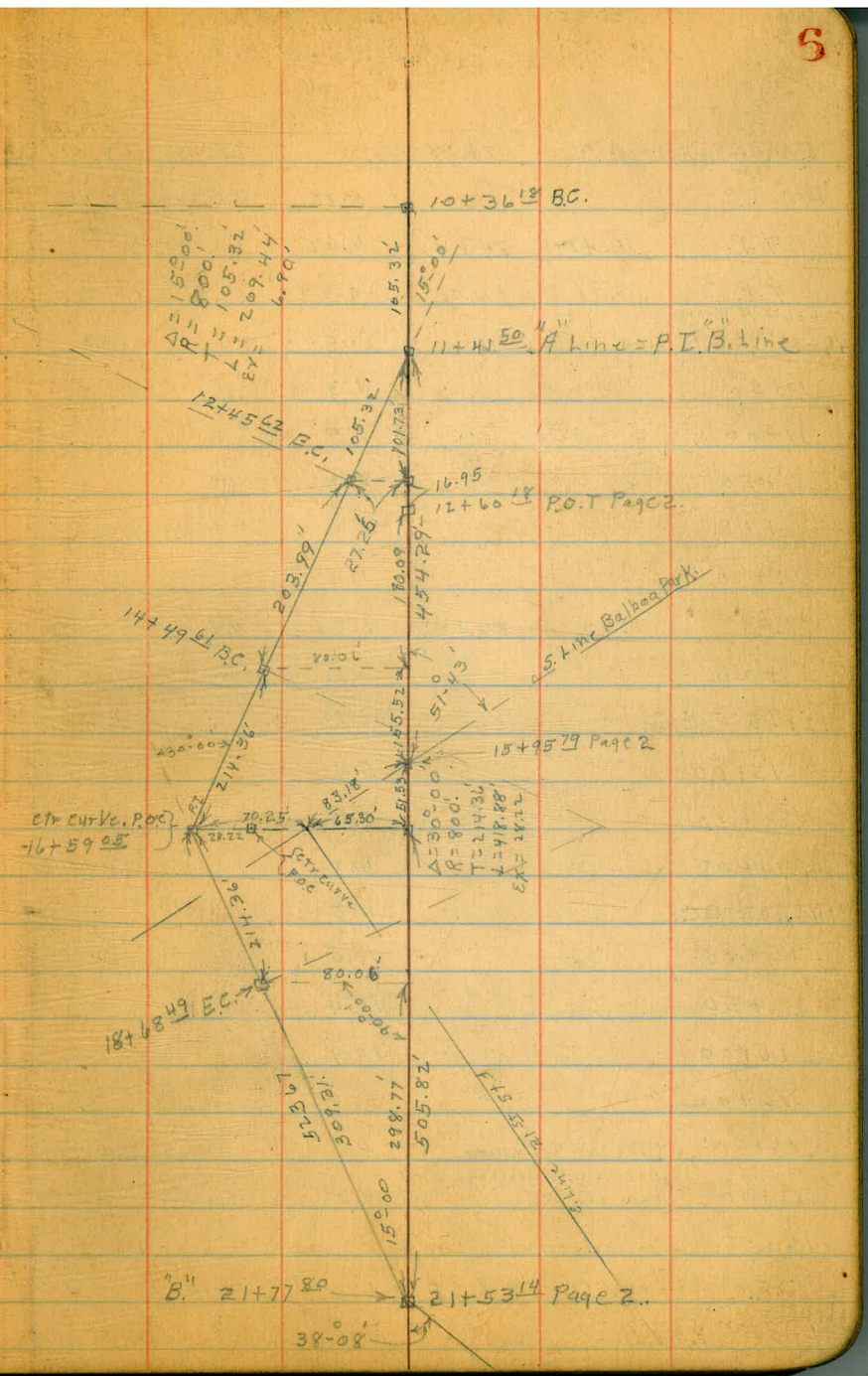
			1.70		
		16+50			
℄	- Edge Slough		5.9	-4.2	
		16+60			
℄	- ℄ Slough		6.6	-4.9	
		16+70			
℄	- Edge Slough		5.9	-4.2	
		17+0			
20 Lt	- Edge Slough		6.0	-4.3	
30 Lt			6.6	-4.9	
40 Lt	- " "		5.9	-4.2	
		17+20			
℄	- Edge Slough		5.7	-4.0	
		18+0			
℄	- ℄ Slough		6.5	-4.8	
		18+10			
℄	- Edge Slough		5.2	-3.5	
TP	9.40	6.83	4.27	-2.57	
		18+50			
35' Rt	- Extreme High Water Mark		11.3	-4.4	
100 Lt	- ℄ Storm Drain From N		9.7	-2.9	
		20+40.65 = End Conc. Box Culvert 2.25 x 3.75			
℄	Flow Line		11.18	-4.35	
TP	2.91	6.61	8.13	2.70	
BM			4.95	1.66	NERP Bargeth + Midway 1:58

5/14/34
Millis
Walker
13 lines

Change in Alignment. Pershing Dr. Extension original Page 1

"B" Line

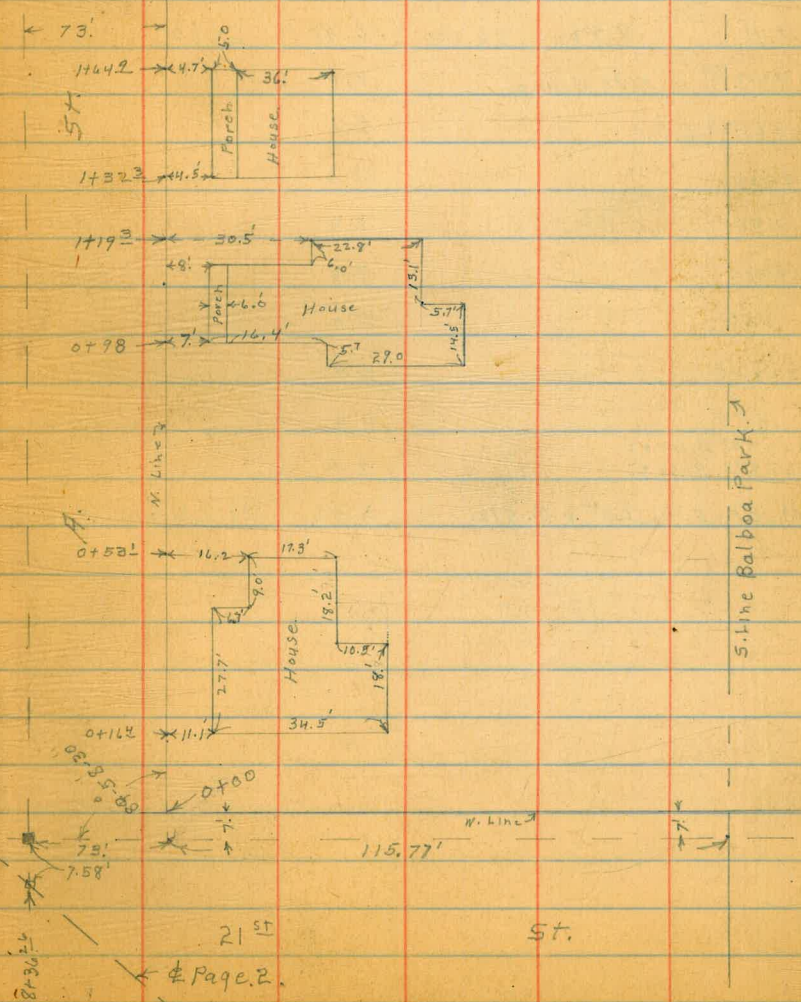
	Def Ls.			
10+36.18 P.C.				
13.82				
10+50	0°-29.6'			
	1-47.43			
11+00	2°-17.1'			
	1-47.43			
11+50	4°-04.5'			
	1-47.43			
12+00	5°-51.9'			
	1-38.02			
12+45.61	7°-30'			
		Def Ls.		
14+49.61 B.C.				
50.39				
15+00		1°-48.27'		
		1-47.43		
15+50		3°-35.70'		
		1-47.43		
16+00		5°-23.13'		
		2-04.87		
16+59.25 ctr Curve		7°-30'		
		1-27.98		
17+00		8°-57.98'	Def Ls.	
		1-47.43		
17+50		10°-45.41'		
		1-47.43	17+76	11°-21.29" N side House
18+00		12°-32.84'		
		2-27.16	18+15.49	13°-05.12' S. side House
18+68.49 E.C.		15°-00'		



℄ Levels Pershing Dr. Extension

B.M. Top Fire Hydt	2.96	76.09		73.13	S.E. 20th & B. Sts.
B.M. B.P.			5.85	70.24	S.E. 20th & B. Sts.
T.P.	15.47	84.64	6.92	69.17	
T.P.	7.71	92.08	0.27	84.37	
10+36.5 "A" Line					
10+36.8 B.C. "B" Line			1.02		Hub
10+50			1.3		
11+00			3.0		
+50			4.8		
+65			5.8		
12+00			11.1		
T.P.	1.62	80.78	12.92	79.16	
+20			4.9		
12+45.62 E.C.			5.63		Hub
13+00			5.4		
+50			5.6		
14+00			6.2		
14+49.1 B.C.			8.5		
15+00			10.0		
+50			10.4		
16+00			10.9		
16+42			11.0		
16+50.1	Face cmt. Dam		6.9		
16+50.2	Base of silt screening Elp Top cmt. Dam.		4.9		
16+57	Top. silt screenings Lip.		1.7		
T.P.	4.66	83.71	1.73	79.05	
16+59.05 P.O.C. Hub			4.91		Ctr. Curve

Location of Houses on Blk. 1.
N. of A. St. & W. of 21st St.

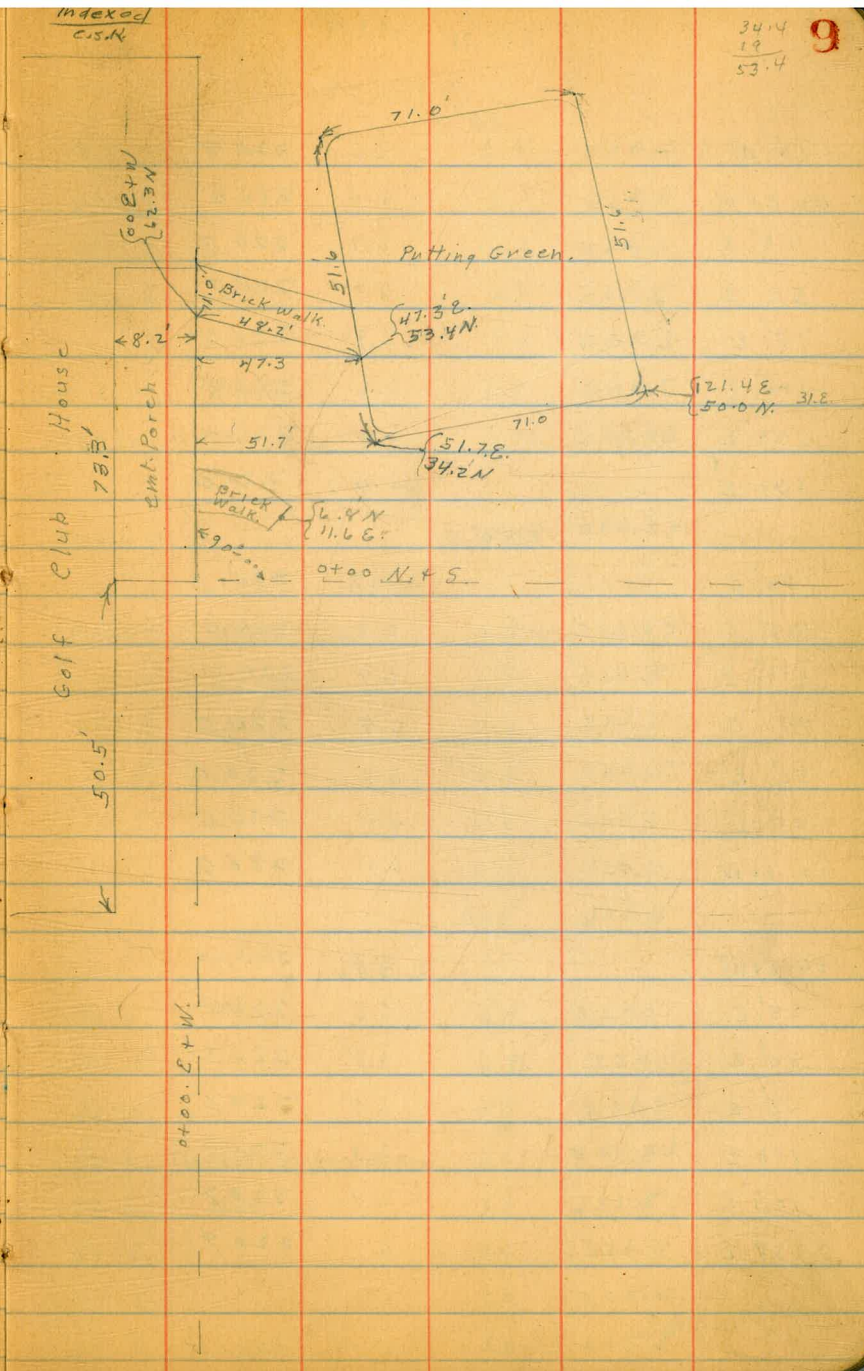


		83.71		
16+67			4.8	
16+81			14.2	
17+00			14.6	
+50			16.1	
+76 = N. side House			16.4	
T.P.	8.82	76.12	16.41	67.30
18+15 49 S. side House.			8.8	
18+68 49 E.C.			9.6	
19+00			10.0	
+50			9.5	
20+00			9.5	
+50			8.0	
21+00			5.8	
+50			4.2	
21+77 50 B. Line = 21+53 14 Page 2.			4.0	
BM. B.P. S. E. 20th & B. Sts.			5.86	70.26 = 70.24

5-18-34
Miller.
Walker.
Bliss.

X See. Parking Area E. of Municiple Golf Club House

B.M. B.P.	10.13	218.08		207.95	S.W. Dat. & Granado
℄ stub 28 ±	+ Date		1.96	216.12	
T.P.	5.88	223.75	0.21	217.87	
T.P.	6.07	223.52	6.30	217.45	
T.P.	4.54	227.38	0.68	222.84	
		125' S.			
20' W.			5.5	221.9	
0+00. E & W			5.4	222.0	
25' E			5.0	222.4	
50' E	= N. Edge Ex Road		4.4	223.0	
75' E	" "	" "	3.4	224.0	
100' E	" "	" "	3.2	224.2	
125' E			3.9	223.5	
150' E			4.7	222.7	
		100' S.			
150' E			5.4	222.6	
125' E			5.3	222.1	
100' E			4.5	222.9	
75' E			5.2	222.2	
50' E			6.0	221.4	
25' E			6.1	221.3	
0+00 E + W.			6.3	221.1	
11' W			6.5	220.9	



		227.38					227.38		
							00. N. & S		
		75'. S							
10'. W			6.6	220.8	128 E.			6.8	220.6
00. E + W			6.4	221.0	100'. E			6.7	220.7
25'. E			6.7	220.7	75'. E			6.8	220.6
50'. E			6.7	220.7	50'. E			6.9	220.5
75'. E			6.9	220.5	25'. E			7.1	220.3
100'. E			6.6	220.8	00. E + W	ground.		6.9	220.5
125'. E			6.4	221.0	00. E + W	= 5. E. Cor. Cmt. Porch		6.92	220.46
150'. E			6.4	221.0			6.8 N.		
		50'. S.			11.6 E =	{ E. End. Brick Walk 9'. Wide		7.15	220.23
150'. E.			7.1	220.3			25'. N.		
125'. E			6.8	220.6	00. E + W	= E. Edge Porch.		6.91	220.47
100'. E			6.9	220.5	00 E + W	ground		6.9	220.5
75'. E			6.9	220.6	+ 25'. E			7.1	220.3
50'. E			6.8	220.6	50'. E			6.9	220.5
25'. E.			6.8	220.6	75'. E			6.8	220.6
00. E + W			6.8	220.6	100'. E			6.7	220.7
		25'. S.			131'. E			6.8	220.6
00. E + W.			6.9	220.5			34.2 N.		
25'. E.			6.6	220.8	131'. E			6.9	220.5
50'. E			6.8	220.6	100'. E			6.9	220.5
75'. E			6.8	220.6	75'. E			6.9	220.5
100'. E			6.7	220.7	56'. E	Top cmt. Wall putting green		5.57	221.81
125'. E			6.7	220.7	56'. E	Lawn	" "	5.9	221.5
139'. E			6.7	220.7	51.7 E			7.0	220.4
					25'. E			7.0	220.4
					00. E.	ground.		7.0	220.4

		227.38		
		50' N.		
131' E			6.9	220.5
121.4 E			6.8	220.6
117' E	Top cmt. wall	Putting green	5.38	222.00
117. E	Lawn	" "	5.8	221.6
48' E			7.0	220.4
25' E			7.0	220.4
00. E+W.	ground		7.0	220.4
00. E+W.	E. Edge Porch.		6.89	220.49
		53.4 N.		
47.3' E =	S. Edge Brick walk at E. End.		6.94	220.44
47.3' E	ground.		7.2	220.2
		57' N		
25' E.	ground.		7.3	220.1
		62.4' N.		
00. E.+W. =	S. Edge Brick walk E. Edge cmt. Porch		6.93	220.47
00 E+W.	ground.		7.1	220.3

5-31-34
Miller
Walker
Bliss.

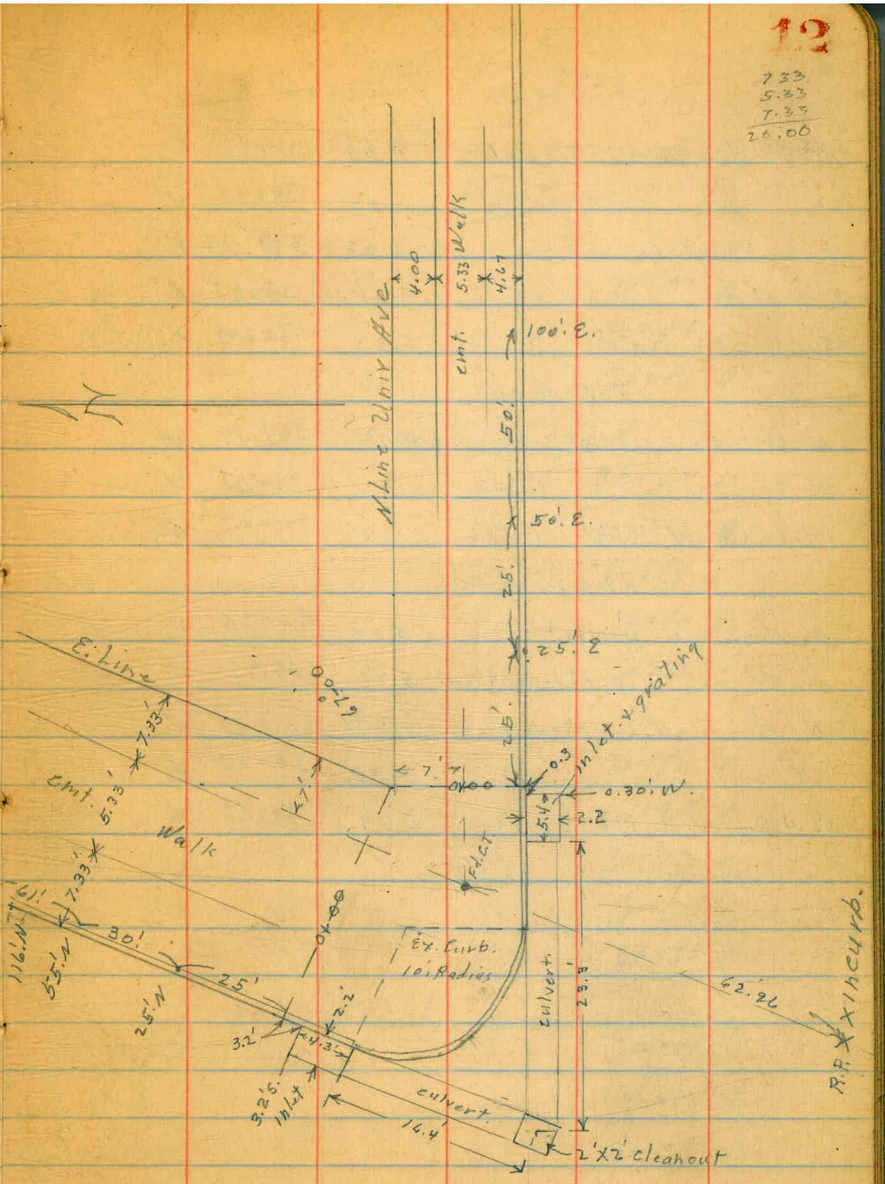
Levels N.E. Cor. Univ. & Normal

12

7.33
5.33
7.33
20.00

Univ Ave.

B.M. B.P.	4.94	307.62	30762	302.68	S.W. Univ & Herbert.
		100. E. of E. Line Normal.			
N. cmt. el Univ			4.67	302.95	✓
gutter			5.34	302.78	✓
8' S.			4.93	302.69	✓
18.8 S = N. Rail.			4.75	302.87	✓
		50. E. of E. Line Normal			
N cmt. el Univ			4.87	302.75	✓
gutter			5.58	302.04	✓
8'. S.			5.15	302.47	✓
18.8 N. Rail			5.03	302.59	✓
		25'. E. of E. Line Normal.			
N. cmt. el. Univ			5.01	302.61	✓
gutter			5.69	301.93	✓
8'. S.			5.46	302.16	✓
17.9 S = N. Rail			5.17	302.45	✓
		0+00 = 90°-00 From N.E. Cor Univ & Normal			
		0.3' W. of 0+00 = E. End Inlet.			
N. cmt. el.			5.71	302.51	✓
gutter to E. & Top grating			5.78	301.84	✓
" under grating			6.07	301.55	✓
2.2' S. " "			6.07	301.55	✓
2.2' S. pavmt. to E.W. & S. & Topgrating			5.76	301.86	✓
8' S. of el.			5.44	302.18	✓
16.1' S. " " = N. Rail			5.33	302.29	✓



307.62

5.7' W. of 0+00 = W. End. Inlet

307.62

N. emt. el = Paymt. = Top grating	5.09	301.53 ✓
2.2' S = " = " "	5.04	301.58 ✓
F. L. Inlet Culvert.	6.08	301.54 ✓
8' S. of el	5.29	301.33 ✓
15.7' S = N. Rail	5.33	301.29 ✓
15' W. of 00		
N. emt. el = paymt.	5.13	302.49 ✓
8' S.	5.26	301.36 ✓
14.9' S. of el = N. Rail	5.35	301.27 ✓
29.0 W. of 00		
N. el. Line paymt.	5.28	301.34 ✓
N. el " Top. cleanout cover	5.25	301.37 ✓
N. el. " F.L. cleanout.	6.59	301.03 ✓
8' S.	5.38	301.24 ✓
12.4' S = N. Rail.	539	301.23 ✓

307.62

Normal St. Levels

0+00 = 90°00 from N. E. Cor Univ & Normal.

307.62

17' S. of 0+00

E. el. Line on paymt	5.25	301.37 ✓
8' W. " "	5.18	301.44 ✓
16' W " "	5.22	301.40 ✓
7.5' S. of 0+00 = S. End. Inlet		
E. emt. el = pay.	5.17	301.45 ✓
gutter = F.L. Inlet	6.20	301.42 ✓
2.2' W. = paymt.	5.07	301.55 ✓
8' W.	5.12	301.50 ✓
16' W	5.09	301.53 ✓
3.2' S. of 0+00		
E. emt. el	5.16	301.46 ✓
gutter + F.L. Inlet	5.88	301.74 ✓
2.2' W. paymt.	5.85	301.77 ✓
8' W.	5.28	301.34 ✓
16' W	5.08	301.54 ✓
25' N of 0+00		
gutter = el. gone	5.60	301.01 ✓
8' W.	5.40	301.22 ✓
16' W.	5.23	301.39 ✓

307.62

55' N. of 0+00 ~~307.62~~

E. emt. el	4.52	303.10	✓
gutter	5.29	307.33	✓
8' W.	5.20	307.42	✓
16' W.	5.03	307.59	✓

116' N. of 0+00.

E. emt. el	3.95	303.67	✓
gutter	4.63	307.99	✓
8' W.	4.63	307.99	✓
16' W	4.51	308.11	✓

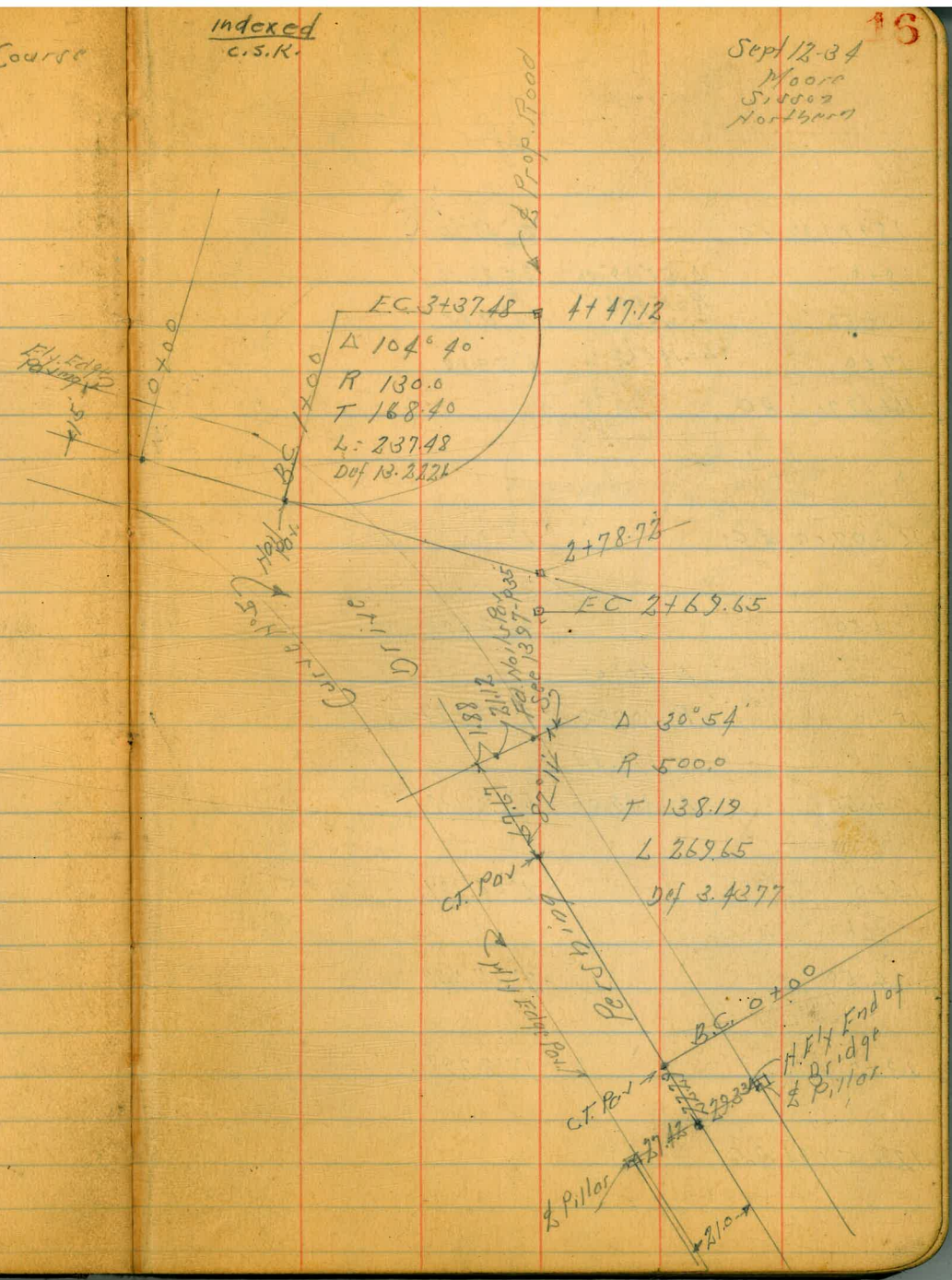
Proposed Road
Pershing Drive to Municipal Golf Course
Club House

Indexed
C.S.K.

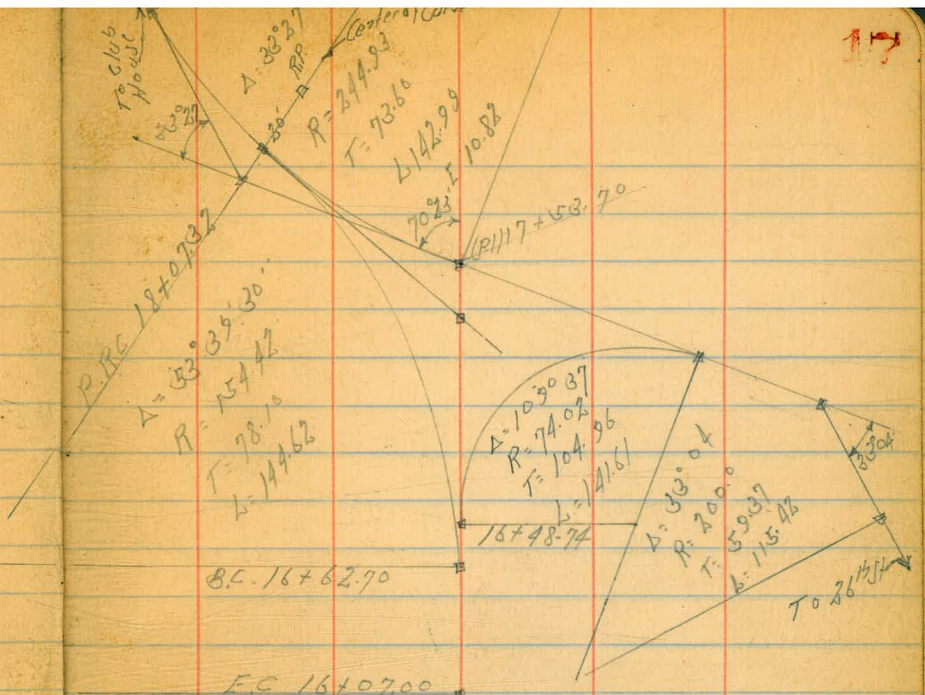
Sept 12-34
Moore
Sisson
Northern

16

		Rt.	
9+56.85	P.O.T.	No il	
4+58.15	P.O.T.		
2+69.65	EC		15°27'
+50			14°19.425'
		Δ 30°54'	
2+0		R 500.0	11°27.54'
		T 138.19	
+50		L 269.65	8°35.655'
1+0			5°43.77'
+50			2°51.885'
0+00	BC		



			Lt.
3	18+07.32	E.C.	26°42.75'
	18+0	Δ 53°39'30"	25°28.16'
	+50	R 154.42	16°11.65'
	17+0	T 78.10	6°55.15'
4	16+62.70	B.C.	L 144.62
2	16+07.00	E.C.	10°00'
	+50		8°22.022'
		Δ 30°00'	
1	15+0	R 1000.0	6°56.077'
		T 176.33	
	+50	L 349.06	5°30.132'
	14+0		4°04.187'
	+50		2°38.242'
0	13+0		1°12.297'
	12+57.94	B.C.	



(Coverts)

B.M.	0.26	109.03		108.77	Hub & Guard Boo'W 9×56
TP	2.59	100.50	11.12	97.91	on SE Cor Pipe Fence
TP	2.11	95.50	7.11	93.39	
BM			7.79	87.71	Spk Power Pole Jct Powder Ho Canon & Persh 87.59

Levels Proposed Road
Pershing Drive to Municipal Golf Course
Club House

9-1834 20

		Lt.	Δ	Rt.
			89.3	
16965	E.C.		6.2	
			88.7	
50			6.8	
			88.1	
270			7.4	
			88.1	
50			7.4	
			88.13	
47	Edge Pav.		7.37	
			87.08	
100			8.42	Edge Pav.
			86.66	
50			8.84	Edge Pav.
			86.55	
000	B.C.		8.95	Edge Pav.
			95.50	

9550 B.A. Ford.

+50					10.4	90.2
+25	= Prop Calc.				11.1	89.5
+15					11.7	88.9
						Bol Wash
5+0					8.5	92.1
+58.15					2.5	98.1
					100.55	
TP	5.17	100.55	0.12	96.38		
4+0					8.6	91.9
+50					8.7	91.8
3+0					9.3	90.2
		96.50			96.50	

TP	12.53	134.20	0.17	121.67		
7+50						
TP	12.93	121.84	0.85	108.85		
8+10						
TP	11.79	109.70	2.64	97.91	Top Pipe Fence 12+40 7+10	
7+50						
7+10						
7+50						
6+10						
5+60						
		100.55				

11.5.5
6.3
121.84

104.7
5.0
109.70

98.7
1.5

96.7
2.5

93.3
7.3

93.3
7.3

97.0
8.6
100.55

					D
					130.7
+70			10.7		10.7
					121.41
TP	9.73	131.41	12.97	121.68	
					136.3
+50					8.4
					131.9
+30					2.8
					134.65
TP	0.62	134.65	6.98	134.03	
					139.3
10+0					1.7
					140.8
+75					0.2
					139.96
+50					1.4
					140.96
TP	9.02	140.96	2.26	131.94	
					131.4
9+0					2.8
		134.20			134.20

TP	12.03	155.18	0.35	143.15
12+0				
TP	12.73	143.50	0.64	130.77
+65				
+60				
+50 - ℄ Canon Road				
+25				
11+0				
10+90 = Prop. Calc			12.93	
		131.41		

℄

142.9
0.6
143.50

139.6
1.8

136.5
4.0

135.9
5.5

134.9
6.5

114.6
11.8

118.48
12.93 on Hob
131.41

7+50				
7+25				
13+0				
TP	12.74	192.14	0.69	179.40
7+75				
TP	12.65	180.09	0.16	167.44
7+57.94	B.C.			
7+50				
12+35				
TP	12.45	167.60	0.06	155.15
		155.18		

D

0.3 191.8

3.4 188.7

9 182.5

192.14

4.3 176.9

180.09

1.42 166.18

07 Hub

6.1 161.5

11.6 156.0

167.60

75				
60				
50				
35				
TP	10.51	210.72	3.54	200.28
150				
50				
140				
TP	11.85	203.82	0.17	191.97
		192.14		

14	5	196.3
11	3	199.5
11	4	199.4
8	9	201.9
		210.79
2	5	201.3
6	3	200.5
7	8	196.6
		203.82

450				
17+00				
462.70	BC LT			
455				
16+48.70	BC RT			
TP	12.75	222.86	0.68	210.11
420				
16+07.0	EC.			
		210.79		

9		
2	220.8	
4	218.8	
6	216.38	4.58 07 Hub
7.2	215.7	
9.49	213.37	07 Hub
222.86		
10.8	200.0	
15.5	1953	
210.79		

BM		4.79	218.07	07 Conc Head Wall Curbs. (217.95 Coverts)
18+07.32	P.R.C.			
18+0				
	322.86			

0.11 222.75
075706

0.3 222.6

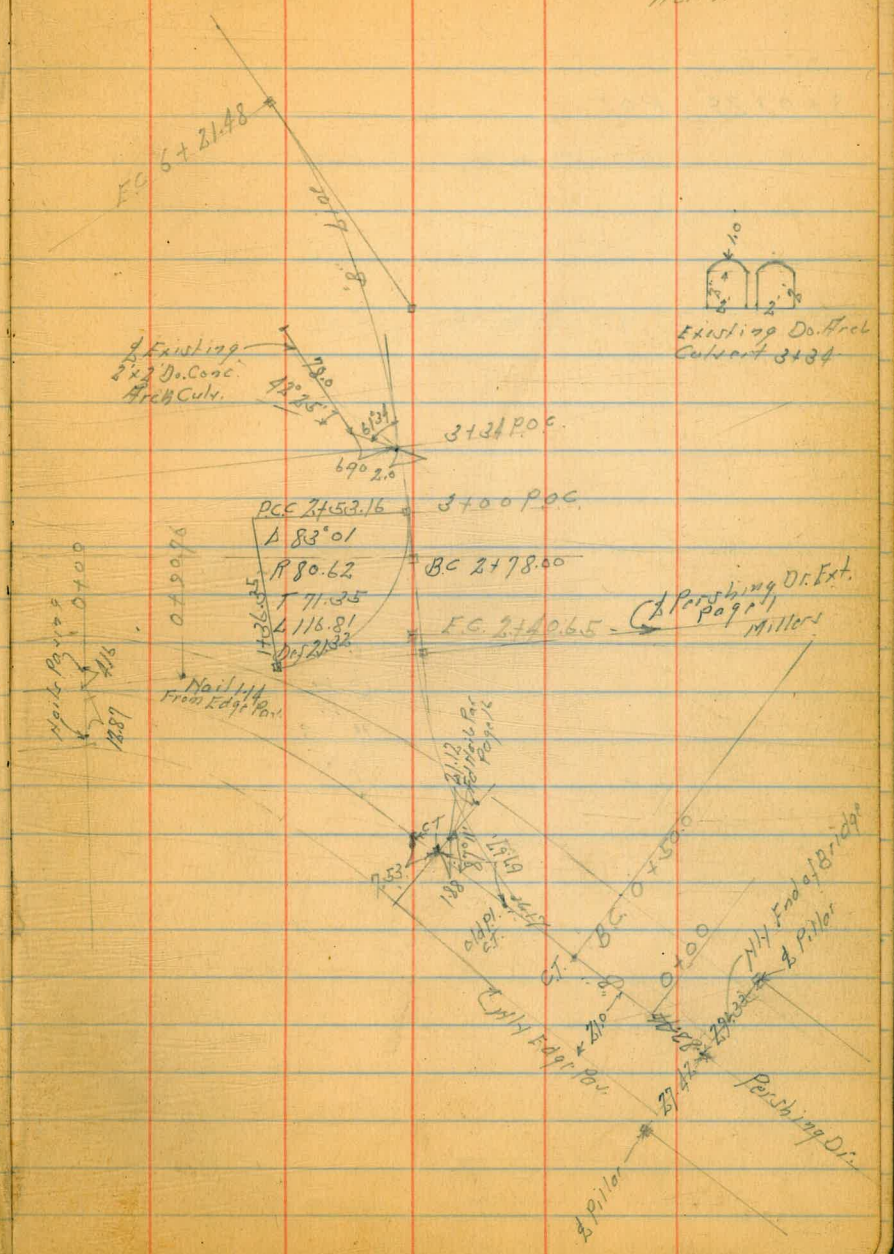
222.86

"B" Line
Pershing Drive to Municipal Golf Course
Club House

Indexed
C.S.K.

9-21-84
Moore
S.N.O.T.
Northern

			Lt.	Rt.
6+21.48	EC.		16° 27'	
6+0			15° 22.433'	
+50		Δ 32° 48	12° 59.198'	
5+0		R 600.0	10° 35.963'	
+50		T 176.59	8° 12.728'	
4+0		L 343.48	5° 49.493'	
+50		Def 2.8647	3° 26.258'	
3+0			1° 03.023'	
2+78.00	BC.			
2+40.65	EC			27° 18.50'
2+0		Δ 54° 37		21° 29.145'
		R 200.0		
		T 108.26		
+50		L 190.65		14° 19.43'
		Def 8.5943		
1+0				7° 09.715'
0+50.0	BC.			



B' Line

9+09.29 P.O.T

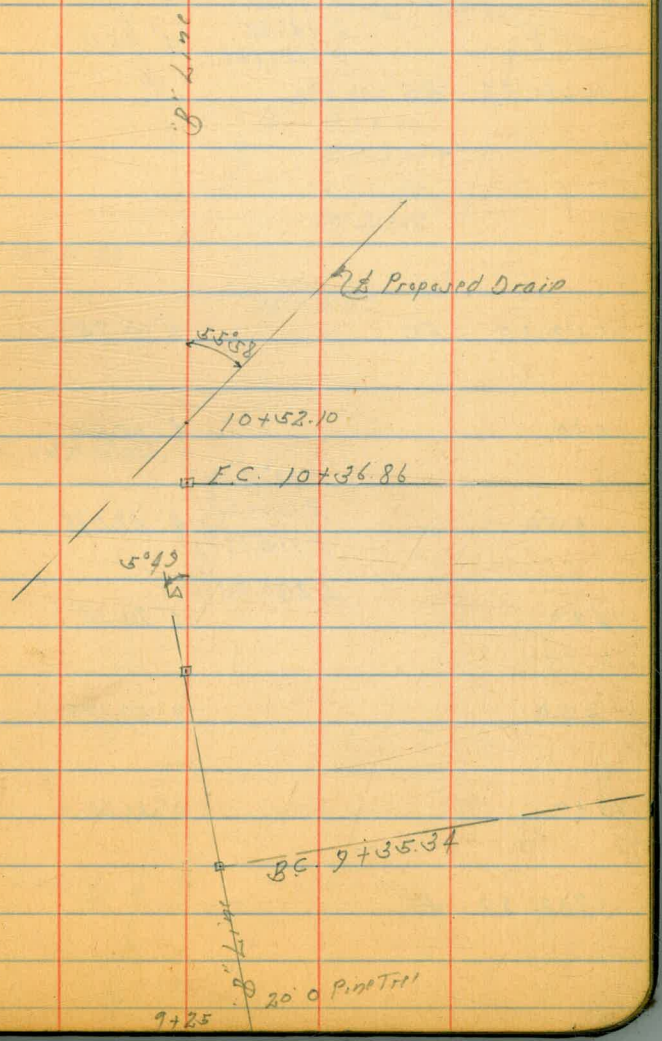
9+0 - 17' ∅ Pine Tree

8+75 - 17' ∅ Pine Tree

8+60 - 21' ∅ Pine Tree

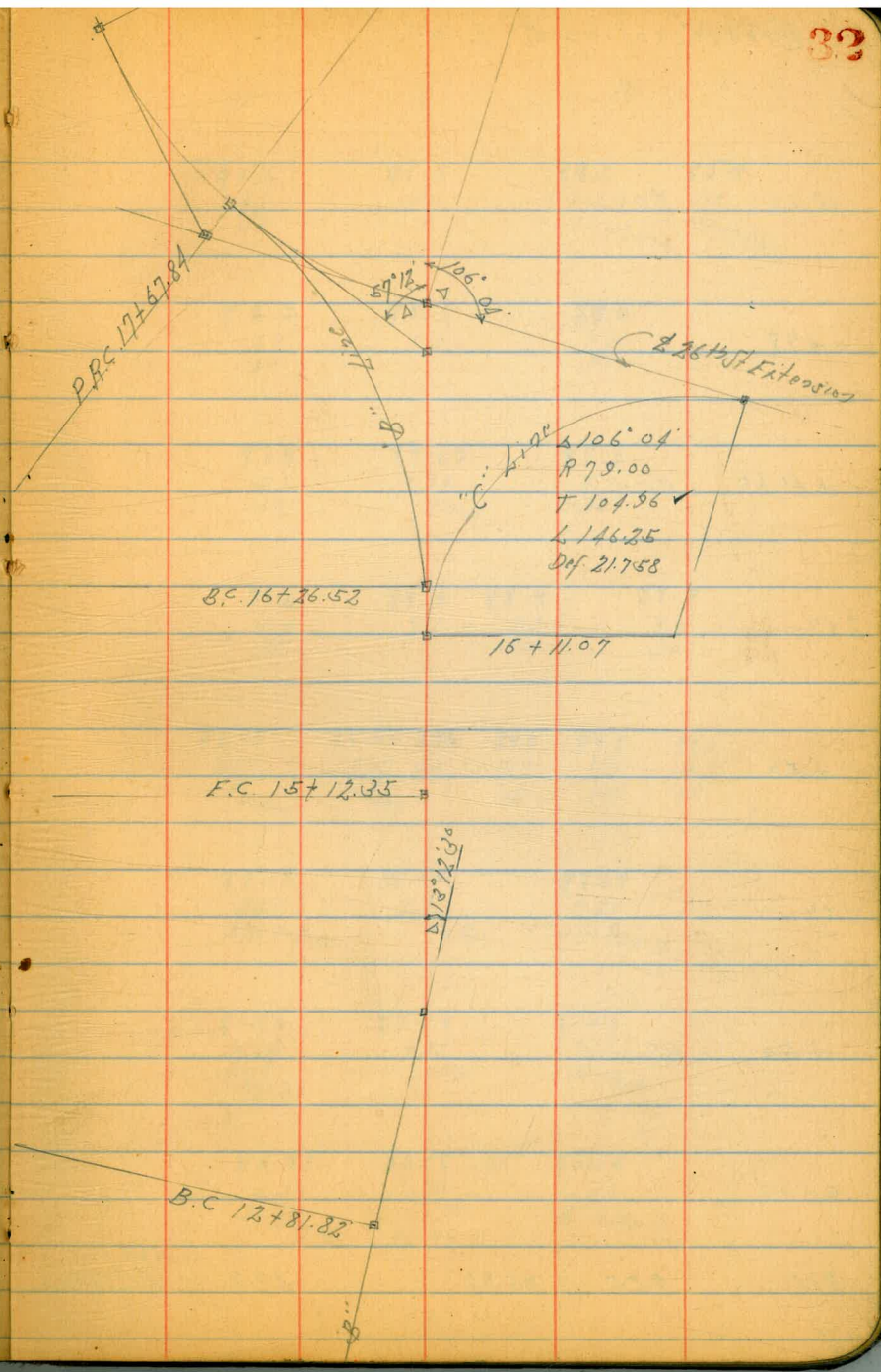
"B" Line

			Rt.	
12+82.17	P.O.T.			
10+36.86	E.C.		2°54.50'	
		Δ 5°49'		
		R 1000.0		
10+0		T 50.81	1°51.49'	
		L 101.52		
+50		Def 1.719'	0°25.99'	
9+35.34	B.C.			



"B" Line

			Δ
17+67.84	P.R.C.		28°36'
+50		Δ 57°12	24°59.35'
		R 141.56	
17+0		T 77.18	14°52.23'
		L 141.32	
+50		Def 12.1423	4° 45.11'
16+26.52	B.C.		
15+12.35	F.C.		6°36.25'
15+0			6° 15.08'
		Δ 13°12'30"	
+50		R 1000.0	4° 49.085'
		T 115.78	
		L 230.53	
14+0			3° 28.14'
+50			1° 57.195'
13+0			0° 31.25'
12+81.82	B.C.		



Cross Section "B" Line

					Lt	C	Rt	
3+70	P.O.C.				92.3 4.7 30	91.3 5.7	89.5 7.5 30 in Ditch	85.4 11.6 50 in Ditch
+78					92.2 4.8 30	90.5 6.5	89.0 8.0 35	
+40.65	E.C.				91.9 5.1 30	89.67 7.29 on Hub	88.3 8.7 35	
2+70					91.6 5.4 30	89.9 88.8 7.1 8.2 10	89.7 9.3 30	
+50					88.49 8.47 30 on Pav.	89.68 89.6 89.3 7.28 7.4 7.7 0.8 Edge	87.3 87.0 9.7 10.0 25 30	
1+70					87.11 9.85 27.6 Edge Pav.	88.00 8.96 on Pav.	87.47 8.49 15.5 Edge Pav.	
+50	B.C.				86.82 10.14 20.8 Edge Pav.	87.14 9.82 on Pav.	87.25 9.71 20 Edge Pav.	
0+00					86.49 10.47 20.8 Edge Pav.	86.68 10.28 on Pav. 96.96	86.54 10.42 20.2 Edge Pav.	
BM	9.25	96.96		87.71	Spk Pole Set Pond Dr Corner Sp Pole Guy			

B-L.10

34

	L1		L		R1			
+15	93.6 3.1 50	92.3 4.7 40	87.9 9.1 30	86.9 10.1 13	90.0 7.0 18	91.4 5.6 0.0	90.3 6.7 25	89.5 7.5 50
+10	94.5 2.5 45	93.4 3.6 34	90.7 6.3 20	91.3 5.7			90.0 7.0 25	89.4 7.6 50
+75	93.8 3.2 40	91.0 6.0 25		91.2 5.8	91.0 6.0 13	88.2 8.8 18	88.1 8.9 30	90.5 6.5 35	89.2 7.8 50
+65	93.3 3.7 16	91.1 5.9 28	91.1 5.9	91.6 5.4 8.0	87.7 9.3 15	87.2 9.8 25	94.2 2.8 28	99.0 +2.0 50
+50	91.5 5.5 35		90.9 6.1	91.1 5.9 6	86.8 10.2 15	87.2 9.8 24	97.0 0.0 32	98.0 +1.0 50
+40	91.5 5.5 35		91.2 5.8	86.8 10.2 7	86.6 10.4 30	91.8 5.2 33		91.4 5.6 50
+30	91.5 5.5 35	91.3 5.7 5	85.6 11.4		86.6 10.4 50	Sly Creek		
37.18		92.1 4.9 30	91.4 5.6		86.0 11.0 15	85.9 11.1 Bob Creek		

96.96

96.96

"B" Line

Cont Page 37

TP	8.72	106.61	2.78	97.89
2+14.8	F.C.			
6+00				
5+50				
5+00				
4+50				
TP	8.91	100.67	5.20	91.76
3+34 Existing Culvert				
4+25				
		96.96		

	Lt	℄	Rt
2+14.8	93.6 (7.1, 50')	93.8 (6.9, 40') 95.3 (5.4, 30') 96.5 (4.2, Edge of Grass)	97.2 (3.5, 25') 100.3 (0.4, 50')
6+00	92.6 (8.1, 130' NH4Cl) 91.5 (9.2, 125') 90.2 (10.5, 108')	92.3 (8.4, 104') 93.2 (7.5, 50') 93.7 (7.0, 25') 95.8 (4.9)	96.1 (4.6, 25') 99.0 (1.7, 50')
5+50	92.6 (8.1, 125') 90.9 (9.8, 100' NH4Cl) 90.6 (10.1, 85')	92.1 (8.6, 81') 92.2 (8.5, 35') 93.7 (7.0, 0.0) 94.9 (5.8, 25') 95.7 (5.0, 35')	94.5 (6.2, 38') 95.8 (4.9, 45' Edge of Grass) 96.6 (4.1, 50')
5+00	91.2 (9.5, 95' NH4Cl) 90.2 (10.5, 90') 89.5 (11.2, 78' NH4Cl)	89.7 (11.0, 64') 91.9 (8.8, 35') 91.9 (8.8, 30') 92.5 (8.2, 0.0)	93.6 (7.1, 35') 92.8 (7.9, 40') 92.8 (7.9, 45' Edge of Grass)
4+50	92.4 (8.3, 65' NH4Cl Creek) 89.0 (11.7, 55') 88.1 (12.6, 40')	89.9 (10.8, 35') 91.5 (9.2) 100.67 92.1 (8.6, 25')	90.7 (10.0, 30' Edge Ditch Grass) 90.8 (9.9, 50')
3+34 Existing Culvert	86.6 (10.4, In/el from Lt)		85.6 (11.4, Out/let from Lt)
4+25	92.7 (4.2, 60') 88.7 (8.3, 50') 88.0 (9.0, 22') 91.4 (5.6, 15') 91.4 (5.6)		90.6 (6.4, 25') 89.9 (7.1, 50')
		96.96	

Cross Section NE Leg Wye
Pershing Dr

See Page 29

	Lt	℄	Rt
753.16 = 8+00	92.2 4.8 30	91.3 5.7	89.6 7.4 30
7+0	92.5 4.5 30	90.8 6.2	89.2 7.8 30
7+50	94.4 2.6 30	92.9 4.1	92.59 4.61 33 Edge Pav.
765.26 BC	94.9 2.1 25	93.7 3.3	93.98 93.25 2.98 3.71 25 Edge Pav. 30 cy Pav.
8+0	96.4 +0.6 30	97.0 0.0	96.78 95.80 0.18 1.16 2.5 Edge Pav. 20 cy Pav.

96.96

96.96

"B" Line

					Lt		℄		Rt
					119.9	131.4	139.8	148.1	152.4
7+50					23.5 50'	12.0 25'	3.6	+4.7 20'	+9.0 30'
					118.0	126.4	135.9	139.9	148.9
7+50					25.4 50'	17.0 25'	8.5	3.5 15'	+5.5 35'
							143.38		
	12.84	143.38	0.76	130.54					
					111.1	119.1	129.6	131.2	137.5
7+25					20.2 50'	12.7 25'	1.7	0.1 15'	+6.3 35'
					106.8	112.9	121.5	126.1	129.9
8+00					21.5 50'	18.4 25'	9.8	5.2 25'	1.4 40'
							131.30		
TP	12.50	131.30	0.15	118.80					
					101.0	105.1	109.6	113.9	119.6
7+50					18.0 50'	13.9 25'	9.4	5.1 25'	+0.6 50'
							118.95		
TP	12.81	118.95	0.97	106.14					
					97.2		103.5	107.3	111.6
7+00					9.4 50'		3.1	+0.7 25'	+5.0 50'
					96.6	96.8	97.8	99.7	103.6
6+50					10.0 50'	9.8 20'	8.8	6.9 25'	3.0 50'
		106.61					106.61		

"B" Line

TP	0.69	132.36	10.89	131.67	
+25					
10+0					
+75					
TP	0.36	142.06	6.08	141.70	
+50					
TP	4.57	147.78	0.17	143.21	Station 9+0 Lt
+35.34	B.C.				
+25					
9+0					
		143.38			

Lt.			Rt.	
119.0	117.0	124.0	129.4	135.8
23.1	25.1	18.1	12.7	6.3
50'	25'		20'	40
129.0	124.8	131.3	136.2	138.4
22.1	17.3	10.8	5.9	3.9
50'	25'		20'	30'
123.2	131.7	137.9	143.3	145.3
18.9	10.4	4.2	+1.2	+3.2
50'	25'		20'	30'
		142.06		
128.8	135.7	143.7	147.2	149.6
19.0	12.1	4.1	0.6	+1.8
50'	25'		20'	30'
		147.78		
128.0	135.5	144.5	149.7	152.2
15.4	7.9	+1.1	+6.3	+8.8
50'	25'		20'	30'
126.5	135.7	145.8	150.4	154.6
16.9	7.7	+2.4	+7.0	+11.2
50'	25'		20'	30'
122.6	132.0	142.7	148.4	153.0
20.8	11.4	0.7	+5.0	+9.6
50'	25'		20'	30'
		143.38		

"B" Line

7+50				
TP	13.06	150.77	0.12	137.71
7+23				
11+0				
10+80				
TP	12.44	137.83	6.97	125.39
10+52.10	Proposed Drain	See Page 31	Taken on Drain Line	
7+52.10				
10+36.86	EC.			
		132.36		

9-26-34
11+50

Lt			℄		Rt.
144.6	141.6	138.9	134.8	128.6	130.6
6.2	9.2	11.9	16.0	21.8	20.2
40	20		20	40	60: Canoe Rd.
		150.77			
137.3	135.4	128.6	126.0	127.1	128.7
10.5	7.4	9.2	11.8	10.7	9.1
50	30	5	: Ely Road	25	50
128.8	125.9	123.2	124.7	125.6	122.7
2.0	11.9	14.6	13.1	12.2	15.1
50	35	32	Canoe Rd.	25	50
		: Ely Road			
121.6	122.6	123.8	122.1	121.2	117.2	122.5
16.2	15.2	14.0	15.7	16.5	20.6	15.3
53	25: Canoe Road	15		25	37	50
			137.83			
114.4	117.8	117.4	119.9	119.5		
18.0	14.5	15.0	12.5	12.9		
60	30		30	65		
121.6	119.6	117.4	122.7	129.9		
10.8	12.8	15.0	9.7	2.5		
55	30		25	50		
117.4	116.4	120.5	126.0	131.4		
15.0	16.0	11.9	6.4	1.0		
50	18		20	50		
		132.36				

"B" Line

13+0				
+81.82	BC			
TP	1229	199.23	0.02	186.94
12+43.69	POT			
TP	11.97	186.96	0.42	174.99
TP	12.28	175.41	0.41	163.13
+15				
12+0				
TP	1800	163.54	0.23	150.54
11+70				
		150.77		

Lt. ℄ Rt.

193.4 — 191.9 — 186.4 — 175.7
5.8 — 7.3 — 12.8 — 23.5
35' — 30' — 50'

190.3 — 188.67 — 185.5 — 171.8
8.9 — 10.56 — 13.7 — 27.4
35' — 20 — 50'

199.23

181.0 — 177.7 — 176.4 — 164.2
6.0 — 9.26 — 10.6 — 22.8
40' — 15' — 45'

186.96

175.3 — 171.7 — 164.3 — 159.1 — 154.5
+11.8 — +8.2 — +0.8 — 1.4 — 9.0
40' — 25' — 25' — 50'

165.5 — 161.5 — 163.2 — 158.1 — 157.8 — 152.0 — 149.5
+2.0 — 2.0 — 0.3 — 5.4 — 5.7 — 11.5 — 14.0
40' — 30' — 17' — 9.8 — 30' — 50'

163.54

152.2 — 148.6 — 145.9 — 141.5 — 136.3
+1.4 — 2.2 — 1.9 — 3.3 — 14.5
40' — 25' — 25' — 55'

150.77

"B" Line

+80				
+50				
TP	12.06	219.05	0.33	206.99
+12.85	E.C.			
1540				
+50				
1470				
TP	9.00	207.32	0.91	198.32
1375.0				
		199.23		

Lt		℄	Rt	
218.0		200.8	195.0	193.2
1.0		18.3	24.0	25.8
40'			35'	50'
217.3		199.3	185.8	176.5
1.7		19.7	33.2	42.5
40'			35'	50'
		219.05		
217.4	212.6	206.2	192.1	181.3
+10.1	+5.3	1.1	15.2	26.0
35'	15'		25'	45'
216.4		207.0	192.1	180.4
+9.1		0.3	15.2	26.9
35'			25'	45'
213.8		204.6	196.7	188.3
+6.5		2.7	10.6	19.0
30'			25'	40'
207.7		201.5	194.5	186.5
+0.4		5.8	12.8	20.8
30'			30'	45'
		207.32		
199.9		196.7	192.9	190.5	184.6
+0.7		2.5	6.3	8.7	14.6
30'			30'	40'	50'
		199.23			

+67.84	P.R.C.			
+50				
17+0				
+50				
TP	7.70	224.79	1.96	217.09
+26.52	B.C.			
16+11.07				
		219.05		

Lt. | ℄ | Rt

220.9 222.6 222.1 224.5
3.0 2.19 2.7 0.3
35 25 15 17 Edge Lawn

220.6 222.2 221.8
4.2 2.6 3.0
20 20 Dirt Gutter

220.2 220.2 220.9
4.6 4.6 3.9
25 25

219.1 218.6 217.5 216.0
5.7 6.2 7.3 8.8
30 15 30

224.79

218.2 217.0 212.8
0.8 2.0 6.2
25 30

218.2 218.7 216.5 214.0 210.0 209.8
0.8 0.3 2.5 5.1 9.0 9.2
35 25 15 20 10

219.05

"C" Line

			Lt.	℄	Rt	
BM		6.86	217.93	○℄ C&G at Headwall	217.95	
1+57.32	EC					
			216.1	217.1	217.23	217.0
			8.7	7.7	7.56	7.8
			17 ○℄ Lawn	13		13
1+70						23
			219.8	219.3	215.9	214.2
			5.0	5.5	8.9	10.6
			25		15	25
1+750						
			219.0	217.4	213.5	
			5.8	7.4	11.3	
			25		25	
		224.79				

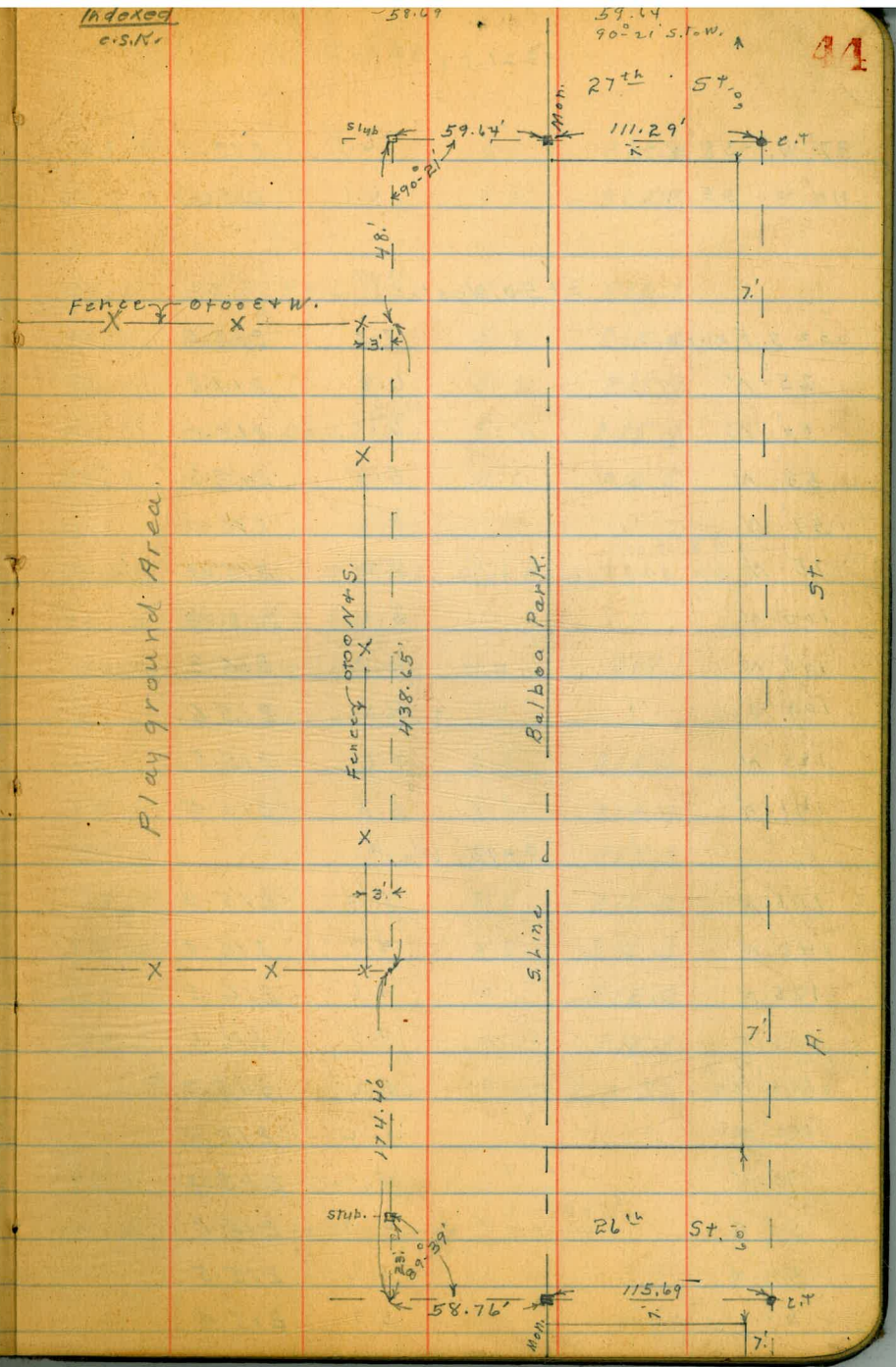
12-10-34
Millis
Walker
13-100.

X Sec. Area North of Russ Blvd.
Bet. 26th St. & 27th St.

Indexed
c.s.N.

41

B.M.B.P.	5.23	214.08		208.85	N.W. 27th St.
T.P.	9.61	221.08	2.61	211.47	
		0+00 E.+W. = E. Fence			
S. Fence			9.6	211.5	
25' N			8.9	212.2	
50' N			8.6	212.5	
75' N			8.6	212.5	
100' N			8.7	212.4	
125' N			8.7	212.4	
141½ N.	E. End. S. side Bleachers.		8.7	212.4	
		0+25 West.			
141' N			6.9	214.2	
125' N			7.0	214.1	
100' N			7.0	214.1	
75' N			7.0	214.1	
50' N			7.0	214.1	
25' N			7.6	213.5	
00 S. Fence			8.1	213.0	
45' W. - 105' N. = N.E. cor			5.1	216.0	Horse shoe court
45' W - 109' N			5.7	215.4	
42' W 105' N.			6.1	215.0	
42' W. 100' N			6.1	215.0	
45' W. 100' N			5.1	216.0	
41' W 75' N			6.1	215.0	
43' W 75' N			5.3	215.8	
40' W. 58' N = S.E. cor			5.2	215.9	Horse shoe court



221.08

37'. W. -58' N.		6.1	215.0
40'. W. 55'. N		6.1	215.0
	0+50. West.		
00 = S. Fence		7.3	213.8
25'. N		6.8	214.3
50'. N		6.1	215.0
55'. N		5.8	215.3
57'. N.		5.1	216.0
75'. N		5.2	215.9
100'. N		5.2	215.9
105'. N		4.9	216.2
109'. N		5.5	215.6
125'. N		5.6	215.5
141'. N.		5.3	215.8
	0+75', West.		
141', N		5.3	215.8
140'. N		4.7	216.4
125', N		4.6	216.5
106'. N		4.5	216.6
105'. N		5.2	215.9
100', N		5.2	215.9
75'. N		5.2	215.9
55. N		4.9	216.2
54'. N		5.6	215.5
50',		5.7	215.4

221.08

25', N		6.1	215.0
00 = S. Fence.		6.9	214.2
80'. W	54', N = S.W. Cor. {Horse shoe court}	5.0	216.1
80'. W	50'. N	5.7	215.4
82'. W	75'. N	5.2	215.9
85'. W	100'. N = N.W. Cor. {Horse shoe Court}	5.2	215.9
85', W	102'. N	4.6	216.5
94.3'. W.	70.5'. N. = N.W. Cor. Club House.	{10.2' E & W. 20.3 N & S.	
93'. W.	50.3 N. = S.W. " "	" " " "	
Wooden Floor of	{Club House.	4.0	217.1
	1+00 West.		
00 = S. Fence		6.5	215.6
25'. N.		6.2	214.9
50', N		4.0	215.1
75', N		5.1	216.0
100', N.		4.8	216.3
125', N		4.2	216.9
139'. N.		4.4	216.7
T.P.	1.42 219.03	3.47	217.61 N.W. Cor. Top of oven.
98'. W	103.7 N. Drinking Fountain		
121', W.	40'. N. center of oven	{5.0' E & W 3.3' N & S	

Location of Cypress Trees

		Diam	
102' W	73' N.	12"	✓
100' W	82.5 N	10"	✓
96' W	76' N	6"	✓
94' W	84' N	5"	✓
88' W	76' N	12"	✓
105.7 W	98.5 N	10"	✓
93' W	103' N.	8"	✓
102' W	105 N	10"	✓
111' W	103' N	10"	✓
109' W	112' N	12"	✓
94' W	111' N	7"	✓
96' W.	118' N	8"	✓
103' W	120' N	9"	✓
117' W	112' N	14"	✓
127' W	105' N	10"	✓
117' W	104' N	9"	✓
131' W.	99' N	12"	✓
140' W	98' N	14"	✓
115' W	97' N	10"	✓
123' W	93' N	12"	✓
138' W	92' N	10"	✓
130' W	92' N	6"	✓
121' W	82' N	10"	✓
124' W	78' N	12"	✓
118' W	74' N	24"	✓
142' W	64 N	14"	✓

Location Cypress Trees.

		Diam	
142' W	72' N	10"	✓
147' W	78' N	8"	✓
149' W	85' N	12"	✓
158' W	87' N	10"	✓
154' W	80' N	6"	✓
163' W	81' N	12"	✓
155' W	74' N	12"	✓
158' W	67' N.	12"	✓

Eucalyptus Trees.

90' W	41' N	10"	✓
97' W	40' N	14"	✓
102' W	36' N	6"	✓
106' W	32' N	4"	✓
101' W	27' N	3"	✓
88' W	31' N	8"	✓
94' W	26' N	6"	✓
107' W	23' N	3"	✓
100' W	19' N	8"	✓
91' W	16' N	10"	✓
126' W	33' N	12"	✓
114' W	32' N	5"	✓
121' W	28' N	6"	✓
113' W	26' N	6"	✓
126' W	16' N	3"	✓

Eucalyptus Trees.

			Diam	
123'. W	9'. N		4"	✓
113'. W	6'. N		14"	✓
137'. W	22'. N		9"	✓
129'. W	25'. N		9"	✓
133'. W	32. N		8"	✓
143'. W	43'. N		8"	✓
152'. W	40. N		16"	✓
145'. W	34'. N		6"	✓
154'. W	31'. N		7"	✓
164'. W	30'. N		4"	✓
149'. W	27'. N		6"	✓
161'. W	24'. N		3"	✓
146'. W	20'. N		8"	✓
155'. W	19'. N		8"	✓
166'. W	22'. N		6"	✓
162'. W	14'. N		5"	✓
145'. W	12'. N		3"	✓
153'. W	5'. N		4"	✓
139'. W	2'. N		6"	✓
170'. W	39'. N		10"	✓
176'. W	34'. N		10"	✓
185'. W	33'. N		14"	✓
172'. W	27'. N		5"	✓
181'. W	25'. N		4"	✓
190. W	27'. N		4"	✓
174. W	19'. N		6"	✓

Eucalyptus Trees.

		Diam	
183'. W	19'. N	6"	✓
170'. W	12'. N	4'	✓
179. W	11'. N	4"	✓
188'. W	18'. N	5"	✓
176'. W	5'. N	10"	✓
185'. W	4'. N	5"	✓
197'. W	31'. N	4"	✓
204. W	28'. N	8"	✓
198'. W	23'. N	4"	✓
209'. W	21'. N	6"	✓
192'. W	20'. N	6"	✓
203'. W	17'. N	3"	✓
198'. W	13'. N	7"	✓
213'. W	14. N	4"	✓
207'. W	9'. N	8"	✓
228'. W	5'. N	8"	✓
226'. W	12'. N	12"	✓
216'. W	27'. N	10'	✓
238. W	19'. N	8"	✓
235'. W	10'. N	12"	✓
242'. W	4'. N	10"	✓

219.03

1+25 West.

139' N	2.3	216.7
125' N	2.1	216.9
100' N	2.5	216.5
75' N	3.1	215.9
63' N	3.6	215.4
58' N	4.3	214.7
50' N	4.5	214.5
43' N	4.2	214.8
25' N	4.5	214.5
00 = S. Fence	4.5	214.5

1+50 West.

00 = S. Fence	5.0	214.0
25' N	4.4	214.6
41' N	4.1	214.9
50' N	4.6	214.4
58' N	4.2	214.8
62' N	3.6	215.4
75' N	3.2	215.8
100' N	2.8	216.2
125' N	1.9	217.1
132' N	2.8	216.2
139' N	2.8	216.2

1+75 West

139' N	3.2	215.8
134' "	3.2	215.8
130' "	2.6	216.4

219.03

125' N	2.6	216.4
100' "	3.1	215.9
75' N	3.6	215.4
60' "	3.9	215.1
55' "	4.4	214.6
50' "	4.6	214.4
42' "	4.7	214.3
38' "	4.3	214.7
25' "	4.6	214.4
00 = S. Fence	5.3	213.7

2+00 West.

00 = S. Fence	5.6	213.4
25' N	5.2	213.8
50' "	4.5	214.5
75' "	3.9	215.1
100' N	3.2	215.8
125' N	3.0	216.0
130' N	3.1	215.9
140' N	3.8	215.2

1+78 West.

139' N = S. side W. End Bleechers.

219.03

2+25 West.

140' N		4.3	214.7
135' N		4.0	215.0
130' N		3.2	215.8
125' N		3.2	215.8
100' N		3.8	215.2
75' N		4.3	214.7
50' N		5.2	213.8
25' N		5.7	213.3
00 = S. Fence		6.3	212.7

2+50 West

00 = S. Fence		7.1	211.9
25' N		6.0	213.0
50' N		5.7	213.3
75' N		5.2	213.8
100' N		4.7	214.3
125' N		4.7	214.3
140' N		4.7	214.3

2+44' West.

125' N		3.9	215.1

219.03

2+60' West

140' N		4.9	214.1
125' N		5.0	214.0
100' N		5.3	213.7
75' N		5.6	213.4

2+70' West

140' N	E. Side Basket Ball Court.	4.4	214.6
125' N	" " " " "	4.5	214.5
100' N	" " " " "	4.5	214.5
85' N	S.E. Cor " " "	4.6	214.4
75' N		4.7	214.3
70' N		5.9	213.1

2+75 West

85' N.	S. Side B.B. Court	4.5	214.5
75' N		4.8	214.2
65' N.		6.2	212.8
50' N		6.5	212.5
25' N		7.1	211.9
00 = S. Fence		7.4	211.2

3+00 West.

00 = S. Fence		8.1	210.9
25' N		7.6	211.4
50' N		7.2	211.8
54' N		7.3	211.7
60' N		5.0	214.0
75' N		5.0	214.0
85' N = S. Side B.B. Court.		4.8	214.2

219.03

3+25 West.

85' N = S. side B. B. Court.		4.4	214.2
75' N		4.4	214.2
58' N		5.2	213.8
52' N		7.4	211.2
50' N		7.4	211.2
25' N		8.3	210.7
00 = S. Fence		8.7	210.3

3+50 West.

00 = S. Fence		8.5	210.5
25' N		8.8	210.2
50' N		8.4	210.6
55' N		8.4	210.6
63' N		4.9	214.1
75' N		5.1	213.9
85' N	S.W. cor. B. B. Court.	5.0	214.0

3+75 West.

85' N		5.1	213.9
75' N		5.4	213.6
70' N		5.5	213.5
61' N		8.8	210.2
50' N		8.9	210.1
25' N		9.5	209.5
00 = S. Fence		9.6	209.4
70' W.	3+83 W.	8.7	210.3

219.03

73' N	3+83 W.		5.4	213.6
85' N	3+83 W		5.2	213.8

4+00 West.

88' N.			5.4	213.6
75' N			8.6	210.4
65' N			9.7	209.3
50' N			10.0	209.0
25' N			10.0	209.0
00 = S. Fence			10.4	208.6

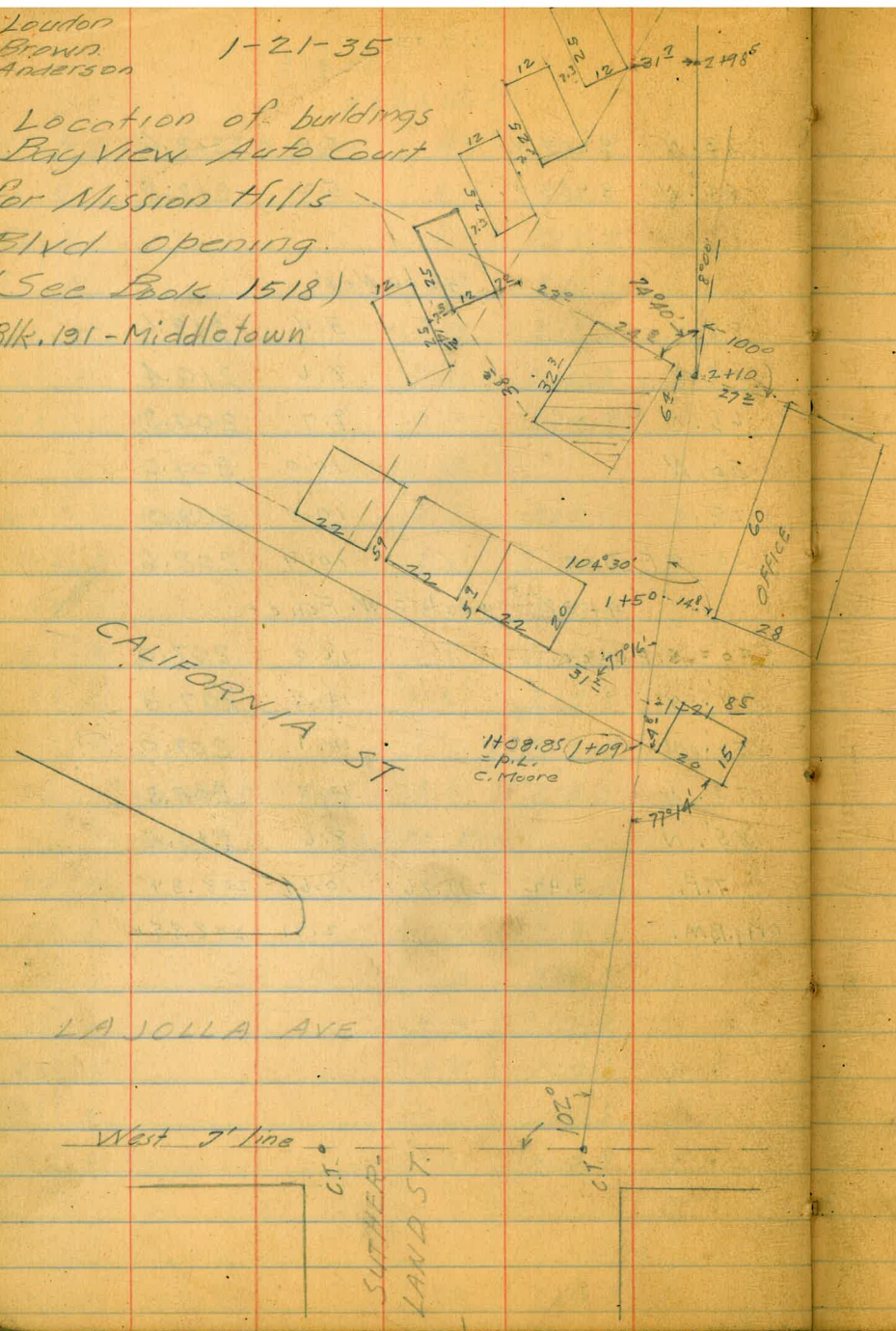
4+38.5 West = W. Fence

00 = S. Fence.			12.0	207.0
25' N			11.7	207.3
50' N			11.1	207.9
75' N			10.7	208.3
85' N			8.6	210.4
T.P.	3.42	211.76	10.69	208.34
orig. BM.			2.91	208.85 ✓

Loudon
Brown
Anderson

1-21-35

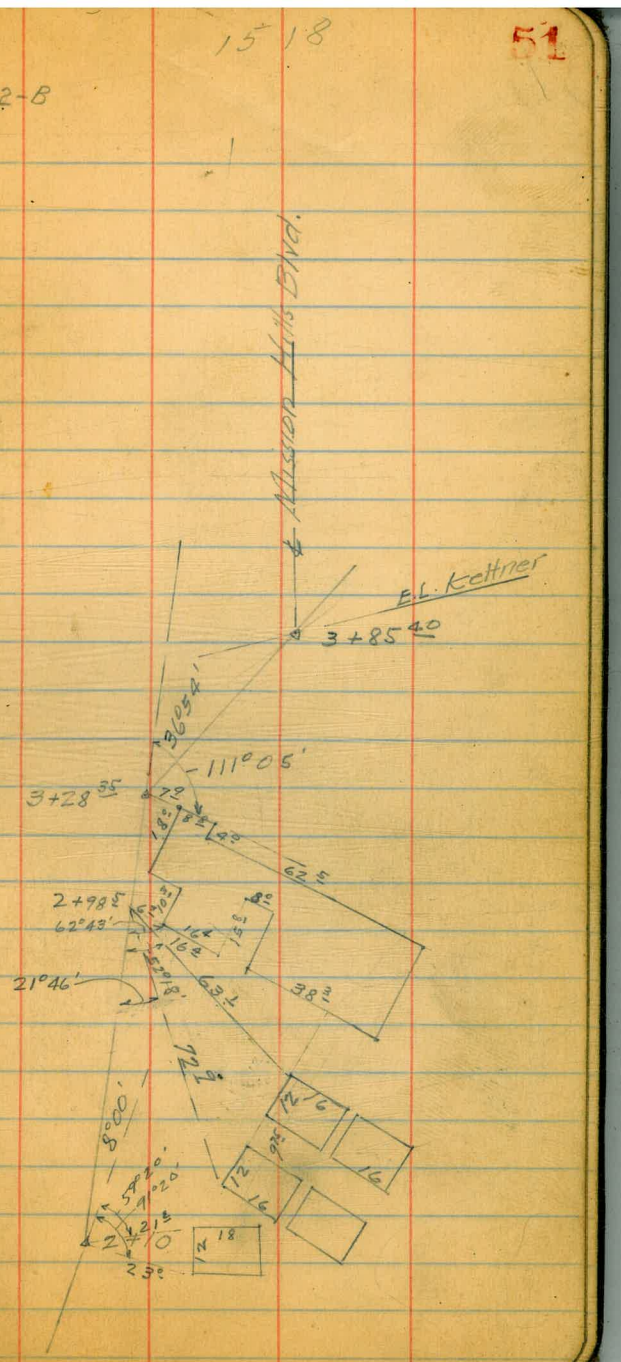
Location of buildings
Bay View Auto Court
for Mission Hills
Blvd opening.
(See Book 1518)
Blk. 191 - Middletown



Indexed
C.S.K.
Plotted - 2102-B

1518

51



Loudon
Brown
Anderson.

1-22-35.

Indexed
C.S.K.

Allignment Proposed Road from Park Blvd. to 11th St.

+37 11 B.C. — Δ = 55° 54' 45" Rt.
R = 500
T = 265.35
L = 487.93

+30 74 E.C. 6-19

3+00 5-43-48

+50 4-46-30

2+00 3-49-12

+50 2-51-54

1+00 1-54-36

+50 0-57-18

Δ = 12° 38' Rt.
R = 1500
T = 166.05
L = 330.74

0+00 B.C.

hub

80' hub

30

PARK BLVD. PAVEMENT

+60

-80' hub

(See Page 57)

9+00		
+50		
+25.09 EC.	27-57-22	
8+00	26-31-15	
+50	23-39-22	
7+00	20-47-29	
+50	17-55-36	
6+00	15-03-43	
+50	12-11-50	
5+00	9-19-57	
+50	6-28-04	
4+00	3-36-11	
3+50	0-44-18	

hub

10+02.09
5+25.04
1.97 05

63
3
169
139
12

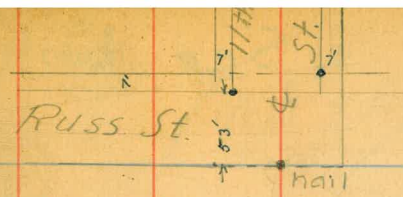
15+00	23-46-25
+50	21-23-11
14+00	18-59-56
+50	16-36-42
13+00	14-13-27
+50	11-50-13
12+00	9-26-58
+50	7+03-44
11+00	4-40-29
+50	2-17-15
+02 09 P.C.	
10+00	
9+50	

Note: For relocation from Sta. 10+02.09 to ℄ 11+54 see page 14 this book

$\Delta = 75°59'30"$ Lt
$R = 600$
$T = 468.73$
$L = 795.78$

□ hub

+01.60	
23+00	
22+00	
21+00	
20+00	
19+00	
18+43.27 ∆	2° 41' 30" Lt.
+97.87 E.C.	37-59-45
+50	35-42-38
17+00	33-19-23
+50	30-56-09
16+00	28-32-54
15+50	26-09-40



Double 12" pepper. ⊙ 7½° hub

□ hub

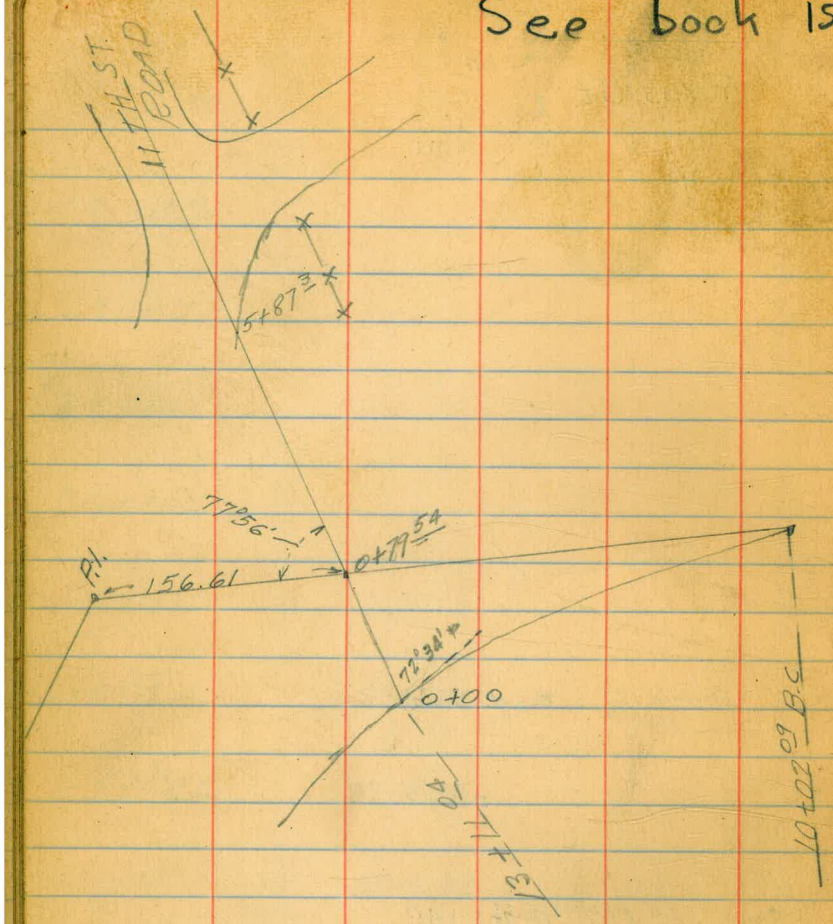
30' pepper. ⊙ 7½° +40

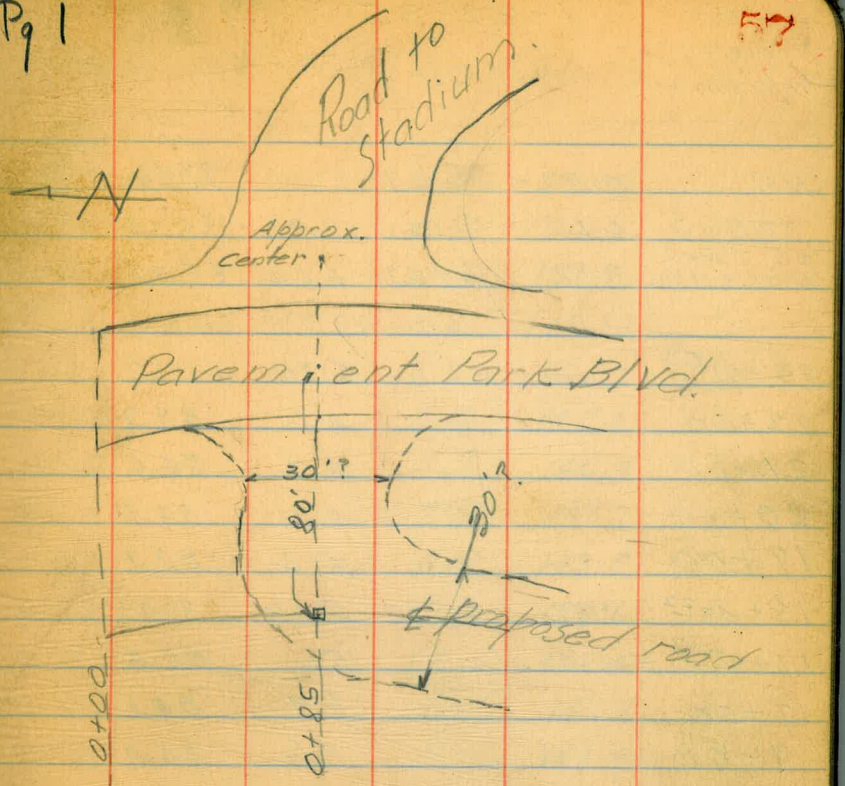
2' ⊙ 30" Euc. 22'

⊙ 42" Euc.

See book 1533 - Pg 1

57





Connection to Park Blvd

B.M	11.70	201.04		189.34	hub 3+37 ℄
B.M.	5.43	204.12	2.35	198.69	
Edge	Pav. at 0+85		6.20	197.9 ✓	
"	Pav 40' South of 0+85		7.79	196.33	
"	Pav 47 North of 0+85		4.40	199.7 ✓	

Loudon
Brown
Anderson

1-22-35

Center-line profile of alignment P. 53-56

				123.38	
BM	0.59	98.07		97.48	B.P.N.W. 12th & B
T.P.	6.46	91.61	12.92	85.15	
S.E. 7 Tack Russ. & 11th.	2.70	88.27	6.04	85.57	
23+01 60			5.70	82.57	
22+00			4.6	83.7	
21+00			3.7	84.6	
20+00			4.2	84.1	
19+00			5.2	83.1	
18+43 22	7.92	90.99	5.20	83.07	on hub
17+97 87 E.C.			5.6	85.4	
17+50			6.9	84.1	
17+00			5.6	85.4	
16+50			5.6	85.4	
16+00			2.0	89.0	
T.P.	11.43	101.07	1.35	89.64	
15+50			9.6	91.5	
15+00			8.4	92.7	
14+50			3.8	97.3	
T.P.	12.93	112.34	1.66	99.41	
14+40			3.9	108.4	
14+00			3.9	108.4	
13+50			2.0	110.3	
T.P.	12.34	123.38	1.30	111.04	

T.P. = 0+00	12.98	136.30	0.06	123.32	
13+11			6.3	130.0	See P. 57
13+00			4.6	131.7	
T.P.	12.66	148.55	0.41	135.89	
12+50			8.23	140.32	temp. B.M.
12+00			3.3	145.3	
11+50			1.7	146.9	
11+00			2.9	145.7	
10+50			4.8	143.8	
10+02 29 B.C.			9.0	139.6	
9+75			12.2	136.4	Road.
9+10			6.7	141.9	"
9+00			5.2	143.4	
8+50			2.0	146.6	
8+25 09	12.82	156.75	1.62	143.93	on hub
8+00			12.8	144.0	
7+50			9.7	147.1	
T.P.	11.48	167.91	0.32	156.43	
7+00			16.8	151.1	
6+50			11.3	156.6	
6+00			4.1	163.8	
T.P.	12.98	179.62	1.27	166.64	

& Profile 11th St. Connection (See Page 57)

		179.62			
5+50			7.5	172.1	
5+00			3.0	176.6	
T.P.	12.70	189.96	2.36	177.26	
4+74			8.4	181.6	
4+50			7.8	182.2	
4+00			3.9	186.1	
3+50			1.6	188.4	
3+37 11 BC	12.25	201.59	0.62	189.34	on hub.
3+30 74 EC			11.8	189.8	
3+00			10.6	191.0	
2+50			8.8	192.8	
2+00			7.2	194.4	
1+50			5.5	196.1	
1+00			3.7	197.9	
0+50			1.3	200.3	
0+00			+0.3	201.9	
T.P.	4.17	204.02	1.74	199.85	
Et. Piv. opp 0+60			4.48	199.58	

B.M.	1.69	142.01		140.32	
13+11 04 =					
0+00			12.0	130.0	
T.P.	1.85	131.51	12.35	129.66	
T.P.	0.28	119.51	12.28	119.23	
0+50			3.3	116.2	
0+79 5			8.3	111.2	
1+50			8.8	110.7	
1+74			15.8	103.7	
2+15			17.8	101.7	Road
2+40			18.2	101.3	Road
2+50			17.5	102.0	"
2+80			5.5	114.0	
3+00			3.9	115.6	
4+00			2.2	117.3	
T.P.	5.47	121.48	3.50	116.01	
5+00			5.5	116.0	
T.P.	0.21	110.08	11.61	109.87	
5+50			5.4	104.7	
5+68			11.5	98.6	
5+87			13.0	97.1	Road.
6+00			12.6	97.5	"
7+00			11.6	98.5	"
8+00			10.1	100.0	"

Indexed
C.S.K.

Alignment using existing road from Park Blvd. to 11th St.

5+00

+50

4+00

+50

+30.74 E.C.

3+00

+50

2+00

+50

1+00

+50

0+00 B.C.

Δ = 12°38' Rt.
R = 1500
T = 166.05
L = 330.74

Same as on Page 53

+50		
+21 05	E.C.	
9+00		
+50		
8+00		
+50		
7+00		
+93 11	P.C.C	Δ = 34°26'30" Rt.
+50		T = 117.53
		R = 379.19
6+00		L = 227.94
+50		
5+03 55	B.C.	Δ = 40°13'30" Rt.
		R = 270
		T = 98.87
		L = 189.56

Add 1.00 to all stations

+66

+50

15+00

+50

14+00

+50

13+00

+50

12+00

+50

11+00

+50

10+00

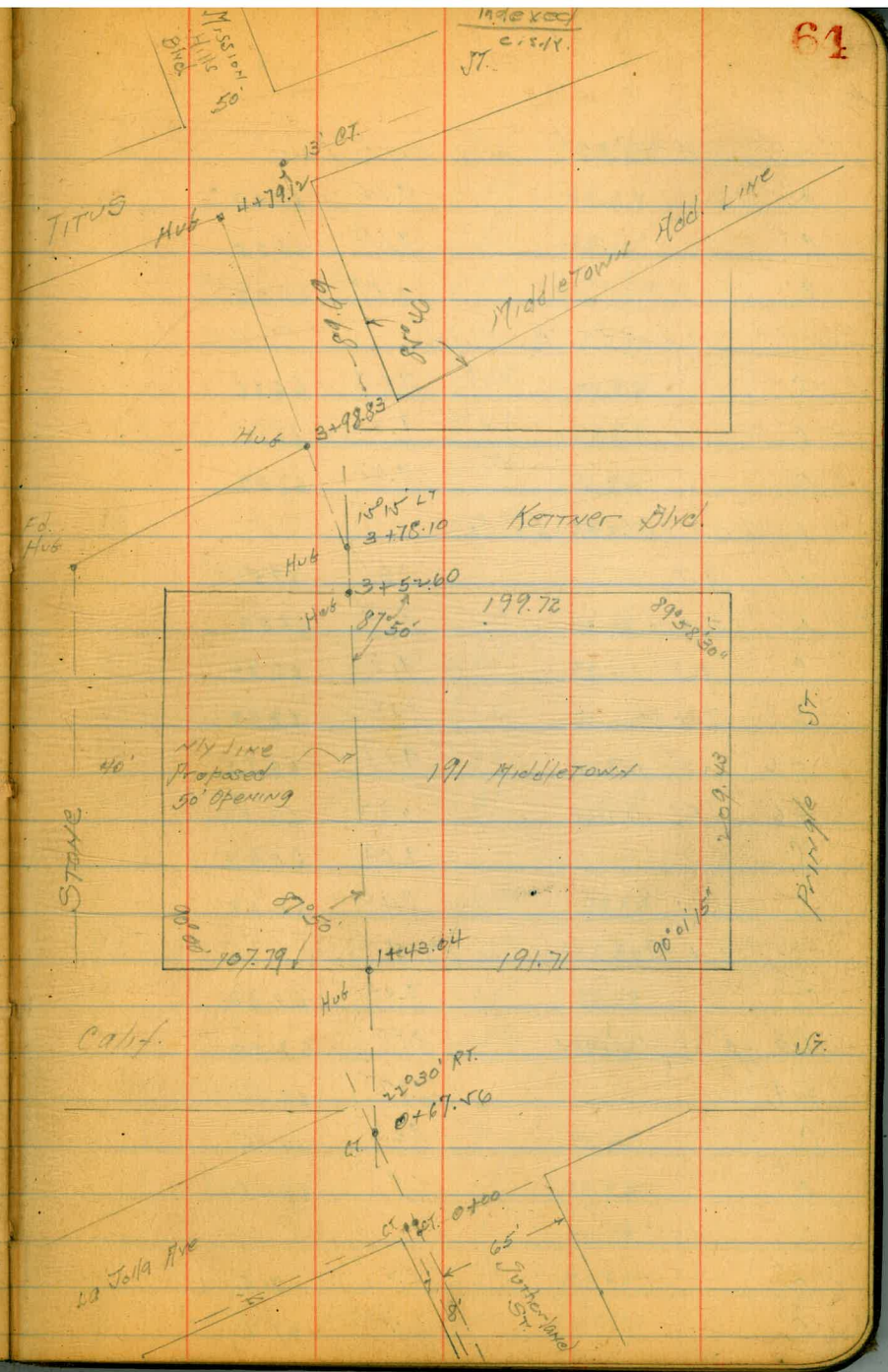
Approx. ℄ 14th. St.

Levels on Proposed 50' Opening of Mission Hills Blvd. thru Blk 191 Middletown

Moore Mission Northern 8-1-35

Sutherland La Jolla Ave

NEAT	8.93	76.12	67.19	
	0+00 W'ly L. La Jolla Ave			
0+1	Top eb		9.12	67.00
"	gut		9.93	66.19
N.L.			9.91	66.21
C			9.86	66.26
S.L.			10.71	65.41
+1	gut		10.71	65.41
+1	Top eb		10.11	66.01
	0+12 W. curb			
S			10.63	65.49
+N	Top 24" grate		10.42	65.70
"	F.L. drain 30" diam.		16.30	59.82
C			10.17	65.95
N			9.50	66.32
	0+37.5 "E" La Jolla Ave			
N			9.19	66.93
C			9.50	66.62
S			9.84	66.28
	0+63 ± curb line La Jolla Ave			
S			10.45	65.67
+6	Top grate		10.50	65.62
"	F.L. drain		14.16	61.96
C			10.06	66.06
N			9.88	66.24



		76.N		
	0+80.04	m/y curb Calif.		
N		9.W	67.07	
C		9.8X	66.28	
S		10.19	65.93	
	1+05.5X	℄ Calif.		
S		9.X6	66.66	
C		9.00	67.12	
N		8.23	67.79	
	1+31.04	Fly C6.		
N	gut	8.61	67.51	
N	Top C6	7.79	6833	
C	gut	9.13	66.99	
C	Top C6	8.3X	67.78	
+6	24" grate	9.37	6675	
+6	FL drain	12.3N	63.86	
S		9.69	6643	
S		8.9X	67.18	
	1+43.0X	Fly line Calif.		
S		8.4X	67.68	
+10	℄ open drain	8.58	67.54	
+19		8.1N	68.00	
C		8.06	68.06	
N		6.87	69.25	
	1+50.			
N		6.5	71.6	
C		6.X	69.9	

		76.N		
C+8			7.8	68.36
+17	℄ open drain		7.88	68.24
S			7.97	68.15
T.P.	8.00	80.30	3.8N	7X.30
	1+78			
S			9.X5	70.95
+6	℄ open drain		9.63	70.67
C			7.85	72.45
N			6.29	74.01
	7+00			
N			5.10	75.20
C			6.78	73.52
+21	℄ open drain		8.10	72.20
S			7.8X	72.95
T.P.	8.73	87.10	1.9N	78.37
	2+50.			
S			10.9N	76.18
+8	℄ open drain		11.25	75.85
C			10.01	77.09
N			8.98	78.12
	3+00			
N			5.9	81.11
+18	open drain		7.18	79.92
C			7.0	80.10
S			5.90	81.20
T.P.	12.39	95.99	3.50	83.60

		96.99						
	3+52.60							
S			8.6	87.4				
C			10.4	85.6				
N & open drain			12.5	83.5				
	3+78.10 &							
N – 4 & open drain			11.1	84.9				
N – 15 " " "			11.4	84.6				
N			11.2	84.8				
C			8.9	87.1				
+13			7.9	88.1				
S			5.2	90.8				
	3+98.87 Line of Rd.							
S			1.8	94.2				
+14			2.2	93.8				
C			6.4	89.6				
N			7.0	89.0				
	4+45							
–10			4.8	91.2				
N			3.4	92.6				
T.P.	11.53	106.35	1.17	94.82				
+10			8.8	97.6				
C			8.4	98.0				
S			5.9	100.5				
	4+55							
S			5.7	100.7				
C			7.5	98.9				

			106.35	Mission				
N				8.4	98.0			
	4+79.2N	wly Line Titus						
N				6.7	99.7			
+7.7	Top ob			6.52	99.83			
"	gut par.			6.96	99.39			
C	par.			6.20	100.15			
+18.3	gut			5.98	100.37			
"	Top ob			5.53	100.82			
S				3.7	102.7			
	4+89.2N							
S	par.			4.70	103.65			
C	"			5.43	100.92			
N	"			6.87	99.48			
	5+04.1N	& Titus						
N	par.			5.77	100.58			
C	"			4.19	102.16			
S	"			2.58	103.77			
T.P.	0.16	94.03		12.50	93.85			
T.P.	1.21	83.34		11.90	82.13			
T.P.	1.44	74.37		12.39	70.95			
check BM				5.15	67.22	67.19		
						0.03		

12/20/34 Prelim. Sewers. ℄ Orange Ave
Miller Walker Bleco. from Ex. M.H. ℄ Alley bet Euclid & 48th
East to ℄ Alley bet. Estrella & 49th

Indexed C.S.K.

B.M. B.P.	6.80	349.76 ✓		342.96	S.E. 48th & Orange
0+00 = Ex M.H. ℄ Alley E. of Euclid			4.46 (9.45)	345.30	Top Rim
0+00 = " " " " " "			13.91	335.85	F.L.
0+50			5.2	344.6	
1+00			6.0	343.8	
1+35	W. Line 48th St / W. Edge Pav.		6.31	343.45	
1+47			6.64	343.10	
1+65	℄ 48th St		6.38	343.38	
1+83			6.68	343.08	
1+95.	E. Line 48th St / E. Edge Pav.		6.36	343.40	
2+00			6.3	343.5	
+50			5.8	344.0	
3+00			5.3	344.5	
3+30 = stub	℄ N. & S. Alley		4.90	344.86	F.L. Grade 337.50
3+50			4.7	345.1	
4+00			4.1	345.7	
+50			3.4	346.4	
+95	℄ Estrella.		3.3	346.5	
5+00			3.3	346.5	
750			3.8	346.0	
6+00			4.3	345.5	
+30			5.2	344.6 ✓	
6+60 stub	℄ N. & S. Alley.		6.89	342.87	F.L. Grade 339.15
T.P. stub			6.89	342.87 ✓	

0.50 ft

Indexed C.S.K

Prelim Sewer in Alley South of Orange Ave bet. Estrella & 49th St

Blk. 30 Fairmount Add.

27

T.P.	10.79	353.66 ✓		342.87 ✓	opp. page F.L. Grade
0+00 = stub	℄ Orange Ave / ℄ Alley		10.79	342.87	339.15
0+23			11.4	342.3	339.26
0+40			10.1	343.6	
0+70			7.2	346.6	
1+00			5.1	348.6	339.65
+50			4.9	348.8	339.90
2+00	stub P.O.T.		5.13	348.53	340.15
+50			6.3	347.4	340.40
3+00			7.3	346.4	340.65
+30			8.6	345.1	340.70
3+50			8.8	344.9	340.90
4+00			11.3	342.4	341.15
T.P.	5.93	346.59 ✓	13.00	340.66 ✓	
4+44			6.1	340.5	
79.5' E. of 4+44 =	N. W. Cor. House		4.2	342.4	ground
" " " "			3.25	343.34	floor of House
82.5' W. of 3+97 =	N. E. Cor. House		4.25	34 2.34	" " "
" " " "			5.5	341.1	ground.
T.P.	6.41	351.06 ✓	1.94	344.65 ✓	
85.5' W. of 3+25	plumbing outlet of House		6.9	344.2	floor
" " " "			8.4	342.7	ground
T.P.	1.09	349.97 ✓	2.14	348.88 ✓	

0.50 ft

Indexed C.S.K.

Prelim Sewers

℄ Alley S. of Orange bet. 48th & Estrella

349.97 Page 67 Block 31 - Fairmount

			F.L. Grade
0+00 Stub ℄ Orange	5.11	344.86	337.50
0+24	6.1	343.9	
0+40 = S. Line Orange	5.3	344.7	
0+85	6.1	343.9	
1+00	6.6	343.4	338.0
+50	9.1	340.9	338.25
2+00	12.0	338.0	338.50
+50	14.1	335.9	
Houses to E. + W. of 2+00	Can not get in		
80' E. of 1+50 vacant lot.	9.2	340.8	
80' W " 1+50 " "	9.5	340.5	

Indexed C.S.K.

Prelim Sewers

℄ Alley N. of Orange bet. 48th & Estrella 68

349.97 Page 67

Add.

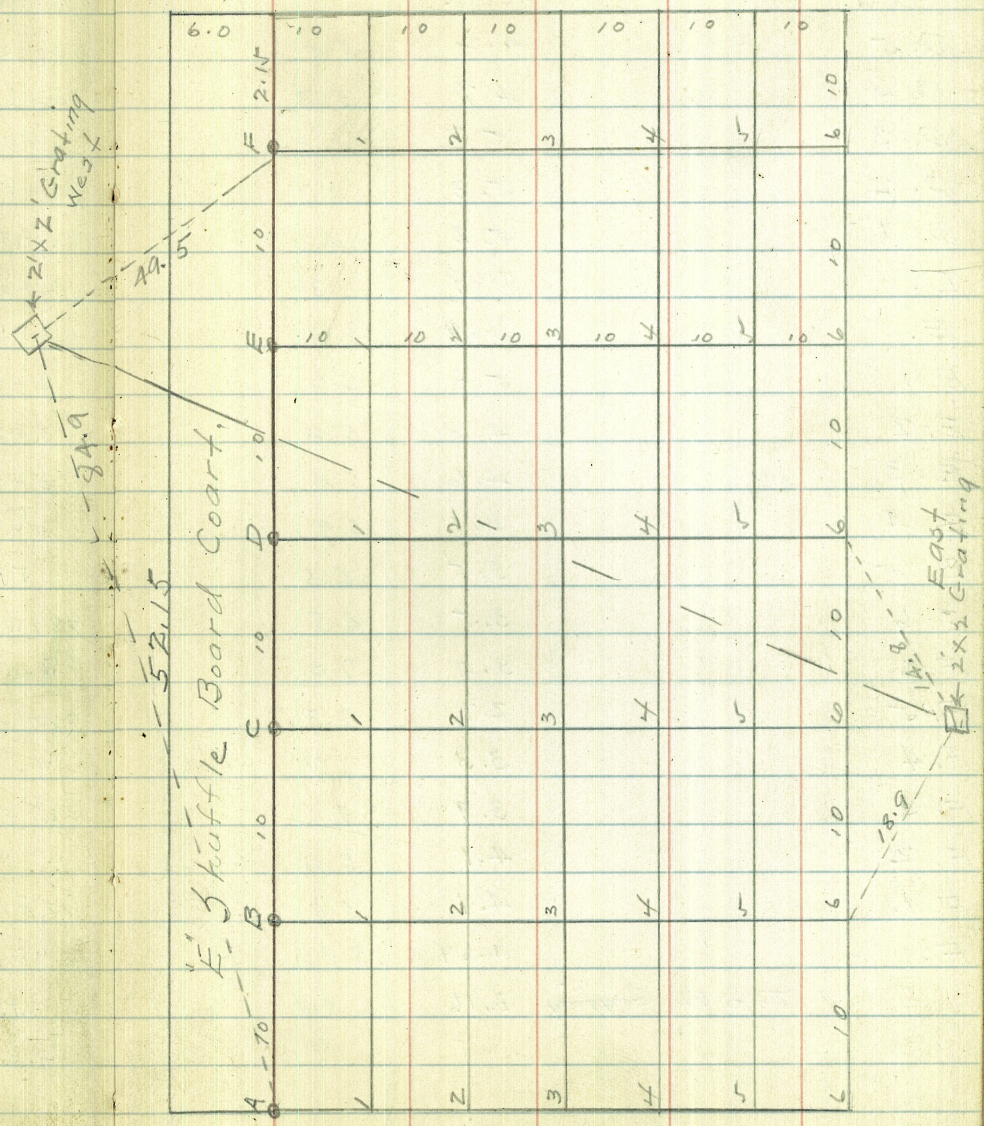
Block 34, Fairmount Addition

					F.L. Grade
0+00 = Stub ℄ Orange			5.11	344.86	337.50
0+20			5.8	344.2	
0+35			5.0	345.0	
0+50			3.5	346.5	
1+00			1.4	348.6	
1+50			1.6	348.4	
2+00			0.9	349.1	
2+50			0.6	349.1	338.75
3+00			1.8	348.2	339.00
3+30			3.9	346.1	
3+50			4.4	345.6	
3+75			8.3	341.7	
T.P.	4.97	353.31 ✓	1.63	348.34 ✓	
78.7' W. of	3+19 =	S.E. Cor. of House	3.5	349.8	ground
" " "	"		2.6	350.7	floor
78.7' W "	3+11 =	N.E. Cor House.	2.6	350.7	"
" " "	"		3.5	349.8	ground.
21.' E. of	3+15	Plumbing Outlet.	7.6	345.7	"
" " "	"		4.6	348.7	floor
77.5' E. of	2+57 =	W. side House at Bath Room opp. Vent. in Roof.	8.3	345.0	"
" " "	"		9.0	344.3	ground.
T.P.	2.45	351.77 ✓	3.99	349.32 ✓	
orig. B.M.			8.81	342.96 ✓	= 342.96

Indexed C.S.K.

Balboa Horse Shoe Mill Chess Checker Club Grounds at 8th Ave and Date St.

37a	Assumed H.I. 10.00	Rod	
A		7.6√	2.35
A.1.		7.0	3.0
A.2		6.6	3.4
A.3		6.4	3.6
A.4		6.2	3.8
A.√		√.9	4.1
A.6		√.6	4.4
B.6		5.1	4.9
B.√		√.√	4.5
B.4		√.6	4.4
B.3		5.9	4.1
B.2		6.0	4.0
B.1.		6.7	3.3
B.		7.6√	2.35
C.		7.66	2.34
C.1.		6.3	3.7
C.2		√.6	4.4
C.3		√.4	4.6
C.4		√.2	4.8
C.√		4.8	5.2
C.6		4.√	5.5
	Top E Grating	5.1	4.9
D.6		4.0	6.0



Balboa Horse Shoe. Cont'd.

Sta.		Rod.	
D. 5		4.2	5.8
D. 4		4.7	5.3
D. 3		5.2	4.8
D. 2		5.3.	4.7
D. 1		5.8	4.2
D.		7.69	2.31
E.		7.69	2.31
E. 1		5.0	5.0
E. 2		4.6	5.4
E. 3		4.6	5.4
E 4		4.1	5.9
E 5		3.5	6.5
E. 6		3.5	6.5
F. 6		3.0	7.0
F. 5		2.7	7.3
F. 4		3.3	6.7
F. 3		3.9	6.1
F. 2		4.1	5.9
F. 1.		4.1	5.9
F.		4.67	5.33
	Top W. Grating	3.16	6.84

San Diego Roque & Shuffle Board Club.

at 6th Ave and Redwood.

X Section N. of Courts # 4-5-6

Sta	Assumed H.I. 10.00	Rod	
A		4.7	5.3
A.1.		4.1	5.9
A.2.		3.8	6.2
A.3		2.9	7.1
A.4		3.4	6.6
A.5		3.8	6.2
A.6		3.5	6.5
A.7		3.4	6.6
A.8		3.5	6.5
B.8		3.4	6.6
B.7.		4.6	5.4
B.6		4.6	5.4
B.5		4.5	5.5
B.4		4.5	5.5
B.3		4.3	5.7
B.2		4.1	5.9
B.1		4.4	5.6
B.		5.81	Surface of Court # 6 4.19
C		5.32	4.68
C.1.		4.6	5.4
C.2.		4.5	5.5
C.3		4.5	5.5
C.4		5.0	5.0

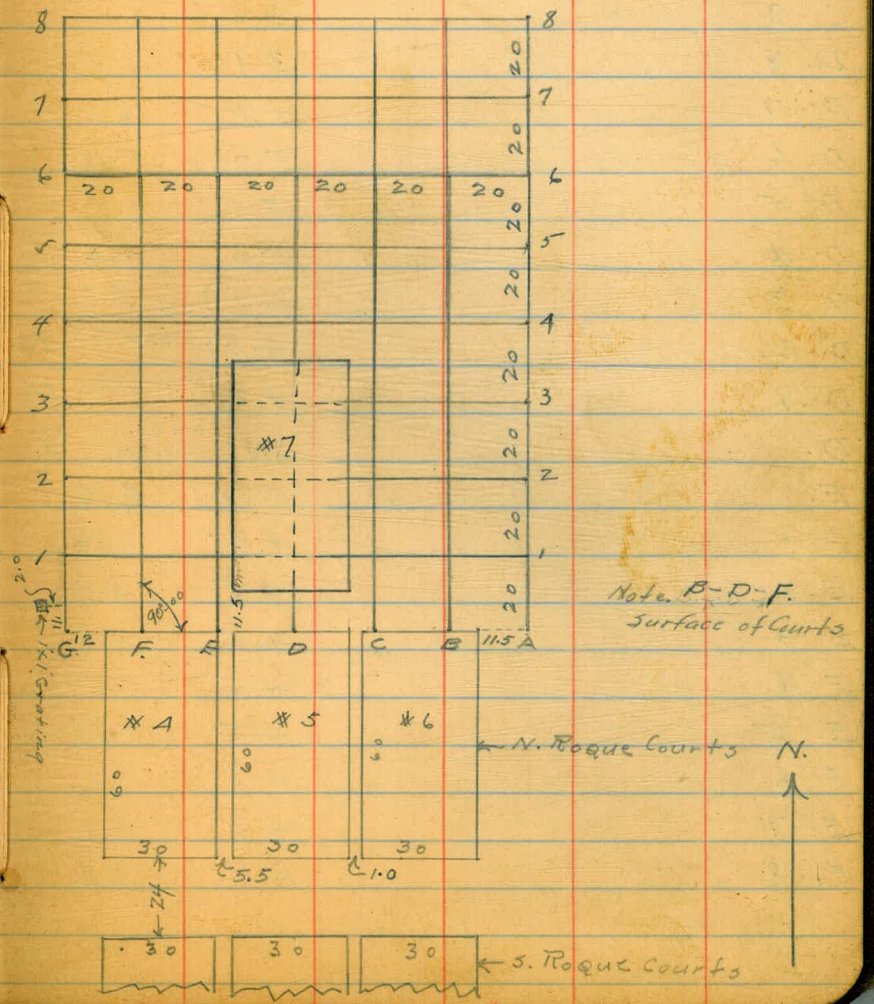
(Partridge Bowers Weir) 3/21/35

Indexed C.S.N.

91

Note # 4-5-6-7 = Roque Courts 30'x60' is Playing Area and Does Not Include Concrete Wall

All Lines Are Parralel at 90°-00



34a	assumed H.I. 10,00	Rod	
C. 5		5.0	5.0
C. 6		4.9	5.1
C. 7		4.9	5.1
C. 8		3.6	6.4
D. 8		3.8	6.2
D. 7		4.9	5.1
D. 6		5.0	5.0
D. 5		5.0	5.0
D 4		5.0	5.0
D 3		4.8 } on	5.2
D 2		4.8 } Court #7	5.2
D. 1		4.8 } Surface	5.2
D.		5.81 on Court #5 Surface	4.19
E.		5.34	4.66
E. 1		4.35	5.65
E. 2		4.5	5.5
E 3		4.5	5.5
E 4		4.5	5.5
E. 5		4.5	5.5
E 6		4.3	5.7
E. 7		4.3	5.7
E 8		4.2	5.8

Sta	Assumed 4.1 = 10.00	Rod	
F. 8		4.1	5.9
F. 7		4.3	5.7
F. 6		4.4	5.6
F. 5		4.3	5.7
F 4		4.4	5.6
F 3		4.6	5.4
F 2		4.7	5.3
F 1		4.6	5.4
F. .		5.72	On Court #4 Surface 4.28
G.		4.3	5.7
G 1		4.8	5.2
G 2		4.4	5.6
G 3		4.3	5.7
G 4		4.2	5.8
G 5		4.1	5.9
G 6		3.7	6.3
G 7		4.3	5.7
G 8		3.8	6.2

Relocation of Road from Park Blvd. to Canyada Way from Sta 10+02.09 to 15' W ℄ 11th

H.L. Landweer ⊼ 71
Frank Smith ch
W.H. Adams "
W. Albin Stakes

12+50	10°38'22"	
12+00	8°10'35"	
		Δ 78°41' Lt
11+50	5°42'48"	R 581.54
		T 476.69
		L 798.62
11+00	3°15'01"	Def. per. ft 177.3435"
10+50	0°47'14"	

10+34.02 B.C.

10+02.09 old B.C.

18+25.04 EC

16+12.4	Side line Int.	28°28'40"
16+00		27°52'52"
15+50		25°25'05"
15+00		22°57'18"
14+76.40	P.C. Ref on Rt.	21°47'33"
14+50		20°29'31"
14+00		18°01'44"
13+50		15°33'57"
13+00		13°06'09"

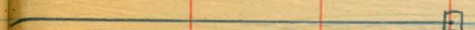
16+00

15+50

15+00

39°20'30"

18+32.64 = 62+41.39 Back / 62+40.51 Ahead E.C. Canyada Way



18+00 37°44'01"

17+50 35°16'13"

17+00 32°48'26"

16+50 30°20'39"

DIRECTIONS FOR USE OF TABLES

TABLE No. 1.

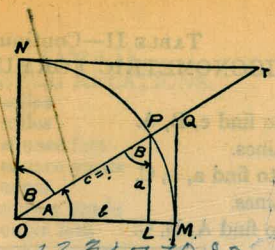
Distance of slope stake from side or shoulder stake for any width roadway, slope 1½ to 1. If ground is nearly level, the cut or fill at side stake is located by the double entry method in left column and top row. The number in body of table in same row and column gives distance from side stake to slope 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 lenth divided by twice the radius.



1 2 3 4 5 6 7 8 9 0

TABLE II

TRIGONOMETRIC FORMULÆ.

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

$R = OB = c = 1$

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

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

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

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

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

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

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

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

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

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

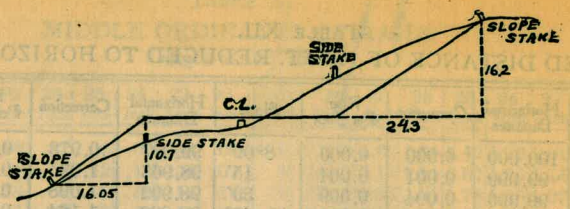
$$\sin \tfrac{1}{2} A = \sqrt{\frac{1 - \text{Cos } A}{2}} \qquad \cos \tfrac{1}{2} A = \sqrt{\frac{1 + \text{Cos } A}{2}}$$

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

$$\text{Law of Lines} \quad \frac{\sin A}{a} = \frac{\sin B}{B} = \frac{\sin C^1}{C}$$

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

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



DISTANCES FROM SIDE STAKES FOR CROSS-SECTIONING.

SLOPE 1½ TO 1. ROADWAY OF ANY WIDTH.

	0	.1	.2	.3	.4	.5	.6	.7	.8	.9	
0	0 00	0 15	0.30	0.45	0.60	0.75	0.90	1.05	1.20	1.35	0
1	1.50	1 65	1 80	1.95	2.10	2.25	2.40	2.55	2.70	2.85	1
2	3.00	3.15	3.30	3 45	3.60	3 75	3.90	4.05	4.20	4 35	2
3	4.50	4 65	4.80	4.95	5.10	5 25	5 40	5.55	5.70	5.85	3
4	6.00	6 15	6.30	6.45	6.60	6.75	6.90	7.05	7.20	7.35	4
5	7 50	7.65	7.80	7.95	8.10	8.25	8.40	8.55	8.70	8.85	5
6	9 00	9 15	9.30	9.45	9.60	9.75	9.90	10.05	10.20	10.35	6
7	10.50	10 65	10.80	10.95	11.10	11.25	11.40	11.55	11 70	11.85	7
8	12.00	12 15	12.30	12.45	12.60	12.75	12.90	13.05	13.20	13.35	8
9	13 50	13.65	13 80	13 95	14.10	14.25	14.40	14 55	14.70	14.85	9
10	15.00	15 15	15 30	15 45	15.60	15.75	15.90	16.05	16.20	16 35	10
11	16 50	16 65	16 80	16.95	17 10	17.25	17.40	17.55	17.70	17.85	11
12	18 00	18.15	18.30	18 45	18.60	18 75	18.90	19.05	19.20	19.35	12
13	19 50	19 65	19.80	19.95	20.10	20.25	20 40	20.55	20.70	20.85	13
14	21.00	21 15	21.30	21.45	21 60	21.75	21.90	22 05	22 20	22 35	14
15	22 50	22 65	22 80	22 95	23.10	23.25	23.40	23.55	23.70	23.85	15
16	24.00	24 15	24 30	24 45	24.60	24.75	24 90	25 05	25.20	25.35	16
17	25.50	25 65	25.80	25 95	26.10	26 25	26 40	26.55	26.70	26.85	17
18	27.00	27 15	27.30	27 45	27.60	27.75	27.90	28.05	28 20	28.35	18
19	28 50	28 65	28 80	28.95	29.10	29.25	29.40	29.55	29.70	29.85	19
20	30 00	30.15	30.30	30.45	30.60	30.75	30.90	31.05	31.20	31.35	20
21	31 50	31 65	31.80	31.95	32 10	32 25	32.40	32.55	32 70	32 85	21
22	33 00	33 15	33 30	33 45	33.60	33 75	33.90	34.05	34.20	34.35	22
23	34 50	34 65	34.80	34.95	35.10	35 25	35 40	35.55	35.70	35 85	23
24	36.00	36 15	36.30	36 45	36.60	36.75	36.90	37.05	37.20	37.35	24
25	37.50	37.65	37 80	37.95	38.10	38.25	38.40	38.55	38.70	38.85	25
26	39 00	39 15	39.30	39 45	39 60	39.75	39.90	40.05	40.20	40.35	26
27	40.50	40 65	40 80	40.95	41.10	41.25	41 40	41.55	41.70	41.85	27
28	42 00	42 15	42.30	42.45	42.60	42 75	42.90	43.05	43.20	43.35	28
29	43 50	43 65	43.80	43 95	44.10	44 25	44 40	44.55	44.70	44 85	29
30	45 00	45 15	45.30	45 45	45.60	45.75	45.90	46.05	46 20	46.35	30
31	46.50	46.65	46.80	46 95	47.10	47.25	47.40	47.55	47.70	47.85	31
32	48 00	48.15	48.30	48 45	48.60	48 75	48.90	49.05	49 20	49.35	32
33	49.50	49 65	49.80	49.95	50.10	50.25	50.40	50.55	50.70	50.85	33
34	51 00	51.15	51.30	51.45	51.60	51.75	51.90	52.05	52.20	52.35	34
35	52 50	52.65	52.80	52.95	53.10	53.25	53.40	53.55	53.70	53.85	35
36	54 00	54.15	54.30	54 45	54.60	54.75	54.90	55.05	55.20	55.35	36
37	55 50	55 65	55.80	55.95	56.10	56.25	56.40	56.55	56.70	56.85	37
38	57.00	57.15	57.30	57 45	57.60	57.75	57.90	58.05	58.20	58 35	38
39	58 50	58.65	58 80	58.95	59.10	59 25	59.40	59 55	59.70	59.85	39
40	60 00	60.15	60 30	60 45	60 60	60.75	60 90	61.05	61 20	61.35	40
41	61.50	61 65	61 80	61 95	62 10	62 25	62.40	62 55	62 70	62.85	41
42	63 00	63.15	63 30	63 45	63 60	63 75	63 90	64 05	64 20	64.35	42
43	64.50	64 65	64 80	64.95	65.10	65 25	65 40	65.55	65.70	65.85	43
44	66 00	66 15	66.30	66.45	66.60	66 75	66.90	67.05	67.20	67.35	44
45	67 50	67 65	67 80	67.95	68.10	68.25	68 40	68.55	68.70	68.85	45
46	69 00	69 15	69 30	69.45	69.60	69.75	69.90	70.05	70.20	70.35	46
47	70.50	70 65	70 80	70 95	71.10	71.25	71.40	71.55	71.70	71.85	47
48	72.00	72 15	72.30	72.45	72.60	72.75	72.90	73 05	73.20	73 35	48
49	73 50	73 65	73.80	73.95	74.10	74.25	74.40	74.55	74.70	74.85	49
50	75.00	75.15	75.30	75.45	75.60	75.75	75.90	76.05	76.20	76.35	50

Computed by L. Leland Locke.

.05666666
15 | .85
75
100

.05666666
.0523599 - 3
.0043068
.0040724 - 14
2344 47

3-14-48 .02836
1-37-24 8508 3000

2000

107

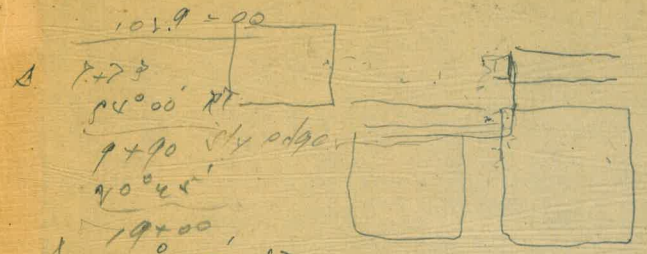
1843.22
1797.87
45.35

22 29
138.19
67 67
228 15

10.8/10	1.2/35	1.3/28	1.7/17	0.0/15	0.2/5	8.7/10	9.7/17	10.3/34	12.0/35	12.0/50

483
31.3
514.3
1574.04
19.60
1554.44

N 30° W
76° 05'
101.9 = QQ



7+73
84°00' RT
9+90 ↑ to edge
90°44'
19+00
20.3' RT.
20 + 19.62 = ℄ Curb
204.54 - 4 = 200.54 @ 58° 0 LT
55.74 to pipe W ℄ Marshall