310

400

LEVEL

F.B. 310

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

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

TABLE FOR RUNNING ON SLOPES.

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

MICROFILMED
DEC 3 1964

Angle	Cor. in Links	Angle	Cor. in Links	Angle	Cor. in Links	Angle	Cor. in Links
°		°		°		°	
4	0.24	11	1.88	18	5.14	25	10.54
5	0.38	12	2.24	19	5.76	26	11.26
6	0.55	13	2.63	20	6.42	27	12.24
7	0.76	14	3.06	21	7.11	28	13.37
8	0.98	15	3.53	22	7.85	29	14.34
9	1.24	16	4.02	23	8.64	30	15.47
10	1.55	17	4.56	24	9.47	35	22.07

38.7
235
36.05
38
− 1.95

3596
235
3831
35
+ 0.31

89.38

314.37 Spk in Pole SW Park Boulevard

41.11	NE	Spk Tel pole	17
55.37-50'	E of SE	Spk Light Pole	18 (55.30)
~~65.40~~	~~SW~~	~~Spk Tel Pole~~	~~19~~
86.07 (05)	"	E Hinge Hydt	20
~~99.94~~	~~"~~	~~Spk Tel pole~~	~~21~~
115.47	SE	Hydt nozzle	22
124.22	SW	Spk Tel pole	~~24~~
156.22	SW	Hydt nozzle	25

WL " "	314.9	— set.
EL Park Boulevard	316.5	
140	315.15	
164	314.87	POSTED
188	314.40	
211	313.83	
234	313.10	
257	312.20	
281	311.10	
305	309.89	
329	308.5	
W.L. Florida	287.5	
EL "	284.5	

Levels for Car Line Univ. Ave bet Park Blvd - Alabama

	5.42	319.79		314.37 BM	S.W. Park Blvd -	W.L. Park Boulevard	314.90 ✓
	4.89 ✓	4.09 ✓	3.29 ✓	3.97 ✓	4.64 ✓	Ctr " "	315.70 ✓
	4.92 ✓	5.39 ✓	5.96 ✓	6.69	7.59	E.L " "	316.50 ✓
						70	315.82 ✓
	8.69	9.90				140 E " "	315.15 ✓
TP	0.42 ✓	310.31	9.90	309.89		164'	314.87 ✓
	1.81 ✓	4.81 ✓	7.81 ✓	10.81		188'	314.40 ✓
	0.33	299.83	10.81	299.50		211	313.83 ✓
	3.33 ✓	6.33 ✓				234	313.10 ✓
						257	312.20 ✓
						281	311.10 ✓
						305	309.89 ✓
						329	308.50 ✓
						379	305.50 ✓
						429	302.50 ✓
						479	299.50 ✓
						529	296.50 ✓
						579	293.50 ✓

		Hs. 299.83								
	9.33 ✓	14.33 ✓				629' E			290.50	✓
T.P.	0.98	288.49	12.32	287.51		679' "	W.L. Florida		287.50	✓
	2.49 ✓	3.99				Ctr	"		286.00	
T.P.	0.42	276.60	12.91	275.58		E.L	"		284.50	
B.M. Spk	Polo N.W.	Alabama	9.74	266.26						

1/4 St Carline
Grade
William
Emery

POSTED

11/14/07				
	445	40.03		35.58
EL 16 in.			4.13	35.9
50			3.63	36.4
100			3.13	36.9
150			2.63	37.4
200 WL 17			2.13	37.9
	660	44.00		37.9
Cr "			5.10	38.9
EL "			4.10	39.9
30	1066	53.19	1.47	42.53
100			8.04	45.15
150			5.41	47.78
200 WL 18			2.79	50.4
	13.05	63.37	2.87	50.32
Cr "			12.47	50.9
EL "			11.97	51.4
50			8.04	55.33
100			4.12	59.25
150	1298	76.15	0.20	63.17

11/15/07				2.87
				50.32 sm.
		76.15		
200 WL 19			9.05	67.1
Cr "			8.05	68.1
	1159			
EL "		80.99	7.05	69.1
50			7.62	73.37
100	1292	90.57	3.34	77.65
150			8.53	81.94
200 WL 20			4.37	86.2
Cr "			2.87	87.7
	12.39			
EL "		101.59	1.37	89.2
50			9.39	92.3
100			6.19	95.4
150			3.09	98.5
	12.69 st			
200 WL 21		114.29	+0.01	101.6
Cr			11.19	103.1
EL "			9.69	104.6
50			7.19	107.1
100			4.69	109.6

11429
0.27
11402 BM SE 7 tack H - 22d

114.29

150				2.19	112.1
200	WL 22d			+0.31	114.6
	6.18		120.20	0.27	114.02
	Cr			5.10	115.1
	EL			4.60	115.6

7.88
127.08 – BM SE 7' tack 24 - H.
206
135.00 – BM SW 7' tack 25th H.

		13.01	128.45		115.44
250 Breaks					121.2
300				5.19	123.26
350		7.63	134.96	3.12	125.33
400	WL 24th			7.56	127.40
	Cr			6.81	128.15
	EL			6.06	128.90
50				3.75	131.21
100				1.44	133.52
150		12.96	146.26	1.66	133.30
				10.44	135.82

POSTED

11402
6.18
120.20
4.76
115.44
115.47 check – 22d BM –

	R	El		R	El
NE	4.22	115.98 (116)	SE	6.07	114.13 (114)
NW	5.29	114.91 (115)	SW	7.26	112.94 (113)

1366
1289
27.7 | 12
24
37
36
.00

12308

11402
8.55
122.57
121.2
1.37

119
3.57
137.4
131.2
6.23
5.06

146.26

200			8.13	138.13
250			5.82	140.44
300			3.51	142.75
350	12.0	157.06	1.20	145.06
400			9.68	147.38
450			7.37	149.69
500			5.06	152.00
550			2.75	154.36
600			0.46	156.60

165
5.95
160.95
156.6
4.35

156.17 – BM SW Cor 25th H – tight spot

Clough
Taylor
Granger

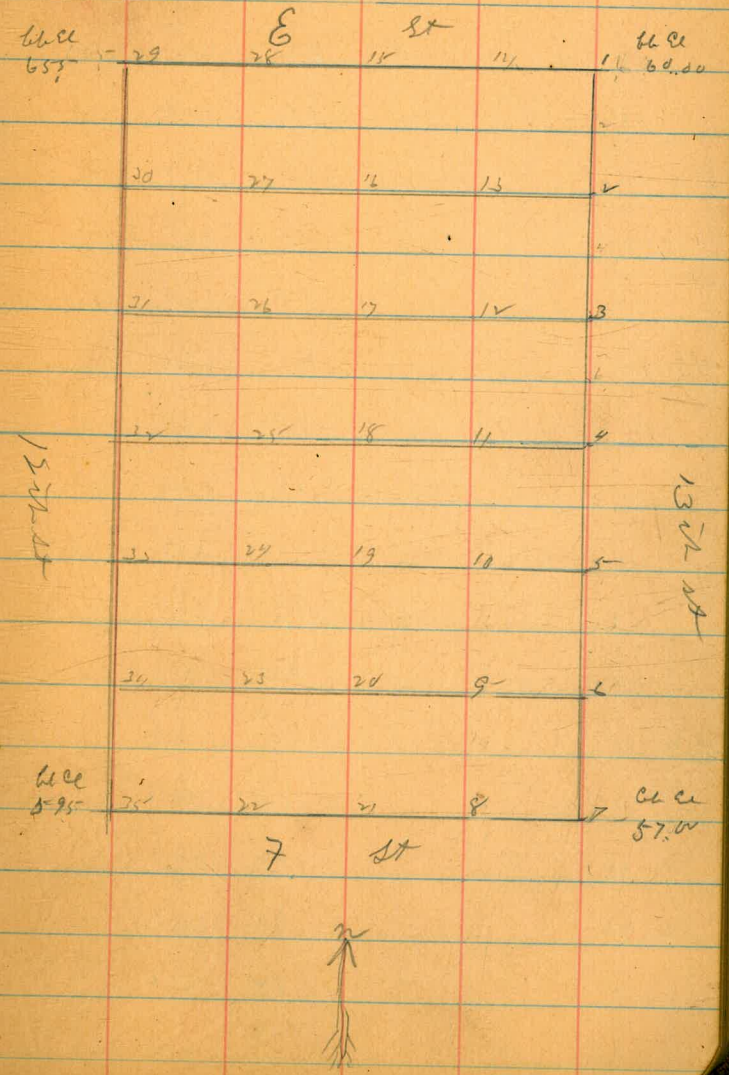
Crossection of Block for School House Bet 12th & 13th & E & 7 sts

Block 54

POSTED

6

Bm	0.42	73.82		73.40	NE bn 12 & D
	42.7	69.77	8.32	65.50	Curb El 12 & E st
			10.30	59.50	Curb El 12 & 7 st
			12.77	57.00	bb El 13 & 7 st
			9.77	60.00	bb El 13 & E
Sta 1			9.5	60.3	NE bn
" 2			7.6	62.2	
" 3			6.3	63.5	
" 4			6.2	63.6	
" 5			6.0	63.8	
" 6			5.8	64.0	
" 7			7.6	62.2	SE bn
" 8			11.4	58.4	
5' n of 8			8.8	61.0	
9			8.0	61.8	
10			6.6	63.2	



Sta 11	69.77	5.6	64.2	
12		6.6	63.2	
13		6.4	63.4	
3'S 14		4.9	64.9	
14		7.1	62.7	
15		5.9	63.9	
4'S 15		4.0	65.8	
16		4.0	65.0	
17		6.3	63.5	
18		7.0	62.8	
19		7.5	62.3	
20		8.2	61.6	
3'N 21		8.8	61.0	
21		11.2	58.6	
~~1'N~~ 22		10.7	59.1	
2'N 22		9.1	60.7	
23		8.2	61.6	
24		7.7	62.1	

Sta 25	69.77	6.9	62.9	
26		6.3	63.5	
27		5.2	64.5	
2'S 28		3.0	66.8	
28		4.6	65.2	
29		4.0	65.8	N W Cor
30		5.2	64.6	
31		6.2	63.6	
32		7.2	62.6	
33		8.0	61.8	
34		8.7	61.1	
35		10.0	59.8	S W Cor

Levels on S Rail NC&O
on Grand Ave 31st - 32d

12/9/07 Hatch
Williams
Emery

B.M. SW 31st Grand Elec Pole	6.72	6503		58.31
EL 31st			4.62	
25			4.33	
50			4.02	
75			3.65	
100	POSTED		3.31	61.72
125			3.04	
150			2.80	
175			2.70	
200			2.69	62.34
225			2.82	
250			3.10	61.93
275			3.58	
300			4.17	60.86
325			4.80	
350			5.48	
375			6.19	

400			6.84	
425			7.47	
450			8.09	
475			8.65	
500			9.21	
525			9.80	
550	WL 32d		10.34	54.69
	Cr "		11.10	
	EL "		11.84	53.19

N.C. & O. Track
Grand Avenue
Cut & Fill Stakes 26th – 32d

Bail	630	44.57		38.27	
EL 26th			6.57	38.0	G
50			5.94	38.63	G
100			5.32	39.25	F 0.3
150			4.69	39.88	F. 0.5
200	POSTED		4.07	40.50	F 1.0
+50			3.44	41.13	F 0.3
3			2.82	41.75	G.
+50			2.19	42.38	G
4			1.57	43.00	G
+50			0.94	43.63	F 0.8
T.P.	697	50.22	1.32	43.25	
5			0.32	44.25	F 1.0
+50			5.34	44.88	F 0.7
6 = WL 27th			4.72	45.50	F 1.5
Cr			4.72	45.5	F 1.0
EL 27th			4.72	45.5	F 0.7
50			4.30	45.92	G

Stakes are 1" x 2" set 3' S. of S.R.
Cuts are to be taken from Top of Stake
12/10/07, Hatch, Williams, Emery

		50.22			
100			3.89	46.33	G
+50			3.47	46.75	F. 1.0
2			3.05	47.17	F. 1.0
+50			2.64	47.58	F. 0.4
3			2.22	48.00	F. 0.5
+50	703	55.44	1.81	48.41	G
4			6.61	48.83	G
+50			6.19	49.25	F. 0.4
5			5.77	49.67	G
+50			5.36	50.08	G
6 - WL 28th			4.94	50.50	F 0.5
Cr			4.94	50.5	
EL 28th			4.94	50.5	G
50				50.75	G
1				51.00	G
+50				51.25	F. 0.3

2				51.5	F.0.4
				51.75	F.0.5
3				52.0	G
				52.25	G
4				52.5	G
				52.75	G
5				53.0	G
				53.25	G
6 = W.L 29th				53.5	C 0.5
Cr "				53.5	
EL 29th				53.5	C 1.0
BM 29th	39.0	60.61		56.71	
50			✓ 6.86	53.75	C 1.8
1			✓ 6.61	54.0	C 1.5
+50			✓ 6.36	54.25	C 0.8
2			✓ 6.11	54.5	G
+50			✓ 5.86	54.75	G
3			✓ 5.61	55.0	F 0.7

		56.71 BM 29th (?)			
		58.83			
		60.61			
+50			✓ 5.36	55.25	F.1.6
4			✓ 5.11	55.5	F.2.3
+50			✓ 4.86	55.75	F.1.4
5			✓ 4.61	56.0	F.2.0
+50			✓ 4.36	56.25	F.2.4
6 = W.L 30th			4.11	56.5	F.2.1
	3.50	61.81		58.31	
Cr "				56.5	
EL "				56.5	G
50			✓ 5.06	56.75	G
1			✓ 4.81	57.0	G
			✓ 4.56	57.25	G
2			✓ 4.31	57.5	G
			✓ 4.06	57.75	C 0.4
3			✓ 3.81	58.0	G
			✓ 3.56	58.25	G
4			✓ 3.31	58.5	G
+50			✓ 3.06	58.75	C 0.6

61.81

2	5		3.81	59.0	C0.3
	+50		2.56	59.25	G
		6.50 64.81		58.31	
3	6	= WL 31d	5.31	59.5	G
	Cr	"		59.5	
4	EL	"	5.81	59.5	G
	80		4.91	60.1	C0.6
5	1		4.10	60.7	G
	+50		3.51	61.3	G
6	7 80		3.21	61.6	C0.4
	2		3.31	61.5	C0.7
	+20		3.46	61.35	C0.7
5	+50		3.91	60.90	G
1	3		4.98	59.83	G
			6.05	58.76	G
2	4		7.11	57.70	G
			8.18	56.63	G
3	5		9.24	55.57	G

64.81

+50 = WL 32d			10.31	54.5		
		14				Track is
	4.90	69.90	65.00			
			64		14	L
WL 30d National		5.24	64.66	64.5	.16	
EL		5.24	64.66	64.5	.16	
100		4.61	65.29	65.17	.12	
200		3.90	66.0	65.84	.16	
300		3.12	66.78	66.5	.28	
400		1.82	68.08	68.0	.08	
	4.95					
500	79.57	0.28	69.62	69.5	.12	
600		3.50	71.07	71.0	.07	

Carline grade
National ave

		Hi		
	4.35	69.34		64.99
Sta	30th		4.84	64.50
50			4.51	64.83
100			4.17	65.17
			3.84	65.50
200			3.50	65.84
			3.17	66.17
300	4.73	71.23	2.84	66.50
			3.98	67.25
400			3.23	68.00
			2.48	68.75
500			1.73	69.50
			0.98	70.25
600	WL 31		0.23	71.00

14 St Carline
— Check —

BM.	713	4271		35.58	
EL 16	"		N 6.78		35.93
			S 6.78	+.43	35.93
50			6.24	+.47	36.47
100			5.76	+.45	36.95
150			5.29	+.42	37.42
200 WL 17th			4.78	+.43	37.93
Cr	"		3.79	+.42	38.92
EL	"		2.70	+.51	40.01
50			0.15	+.44	42.56
T.P.	1259	5438	0.92	41.79	
100			9.18	+.45	45.20
5+50			6.57	+.44	47.81
300 WL 18th			4.01	+.37	50.37
Spk in Pole SW Cor			4.07	50.31	
Cr	"		3.45	+.43	50.93
EL	"		2.95	+.43	51.43
T.P.	1297	6709	0.26	54.12	

12/23/09 Hatch William Emery

		6709			
50			11.73	+.48 55.36	
100			7.77	+.57	59.32
150			3.85	+.61	63.24
200 WL 19th	1266	79.64	0.11	+.48 66.98	
Cr	"		11.56	+.58	68.08
EL	"		10.47	+.07 +.67	69.17
50			6.21	+.05 +.68	73.43
100			1.91	+.07 +.73	77.73
T.P.	1241	91.91	0.14	79.50	
150			9.90	+0.07 +.76	82.01
200 WL 20th			5.80	-.08 +.61	86.11
Cr	"		4.18	+.73	87.73
EL	"		2.67	+.02 +.74	89.24
T.P.	1247	104.20	0.18	91.73	
50			11.57	+.03 +.70	92.33
100			8.73	+.07 +.72	95.47
150			5.63	+.07 +.69	98.57

POSTED

		109.20						128.69			
				+.06						-.16	
200 = WL 21st			2.56	+.66	101.66	350			3.30	+.45	125.39
Cr "			1.11	+.59	103.09	400 = WL 24th			1.30	+.00 +.64	127.39
TP	12.96	117.12	0.04	104.16		Cr "			0.50	+.69	128.19
				+.08							
EL 21st			12.44	+.68	104.68	TP	1300	141.57	0.12	128.57	
				+.07						+.00	
50			9.95	+.67	107.17	EL 24th			12.66	+.66	128.91
				+.06						+.00	
100			7.46	+.66	109.66	50			10.37	+.64	131.20
				+.07						+.04	
150			4.95	+.67	112.17	100		POSTED	8.01	+.68	133.56
				-.06						+.00	
200 = WL 22nd			2.58	+.54	114.54	150			5.74	+.64	135.83
										+.00	
Cr "			1.93	+.69	115.19	200			3.42	+.65	138.15
				+.08						+.00	
EL "			1.44	+.68	115.68	250			1.11	+.65	140.46
BM			30.8	114.04	114.92	TP	1290	154.33	0.14	141.43	
				+.66	+.09					+.00	
50	11.90	128.69	0.33	116.79		300			11.56	+.65	142.77
				+.11						+.04	
100			10.78	+.66	117.91	350			9.22	+.66	145.11
				+.11						+.04	
150			9.68	+.63	119.01	400			6.91	+.65	147.42
				+.14						+.03	
200			8.55	+.64	120.14	450			4.61	+.66	149.72
				-.56						+.67	+.06
250			7.40	-.02	121.29	500	7.63	159.68	2.28	152.05	
				-.39						+.06	
300			5.38	+.18	123.31	550			0.31	+.68	154.37

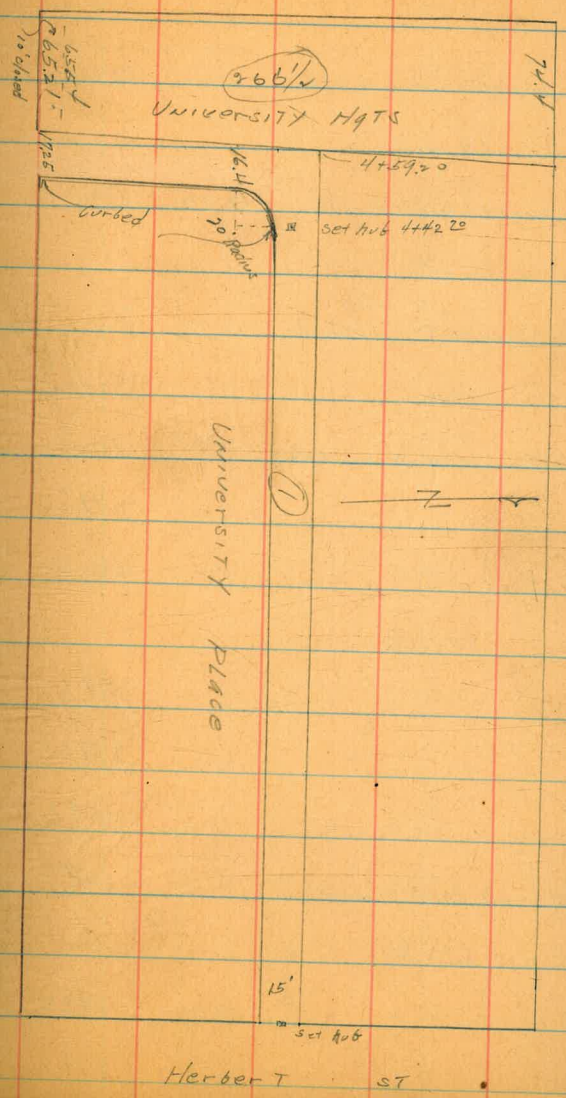
		~~15483~~			
		15968			
				+.40	-20
600 WL. 25	1A		3.28	156.40	
BM			4.64	155,04	15500

POSTED

Cross Section of Alley 15' wide
Blk 1 Univ. Place

4/19/26
Moore

SWIBP	263	305.31	302.68	University & Herbert
WL Herbert = 0+00			305.3	
N on alley return		4+5	301.0	
C		4.8	300.5	
S " " "		4.48	300.8	
15' W				
- 0.4 Top cem wall		4.13	301.2	
S		4.3	301.0	
C		4.3	301.0	
N		4.6	300.7	
50' W				
N = B.L. Garage 50' wide cem floor		4.50	300.8	on line
C		4.6	300.7	
S		4.3	301.0	
+ 0.3 top cem wall		4.0+	301.3	
50' W				
- 0.5 top cem wall		4.70	300.6	
S		5.0	300.3	



		305.31			
				305.3	
C			5.4	299.9	
N	wedge of cem floor of 50' Garage		4.60	300.7	wood floor from here west to 1+00 on line
	83' west				
0.5' S of SL	West end cem wall		4.80	300.5	
	93' W				
S	℄ Garage ℄ cem Apron		5.20	300.1	on line
	100' W				
N	= WL 50' Garage wood floor		4.95	300.3	
C			5.6	299.7	
S			5.3	300.0	
	140' W				
S			6.2	299.1	
C			6.1	299.2	
N			6.2	299.1	
+4.4	= ℄ Double Garage		6.0	299.3	floor ?
	158' W				
N			6.5	298.8	
C			6.3	299.0	

		305.31			
				305.3	
S			6.1	299.2	
+3	℄ Garage dirt floor		6.1	299.2	
	200' W				
S			6.4	298.9	
C			6.5	298.8	
N			6.7	298.6	
	207' W				
N	℄ Garage cem floor		6.50	298.8	on line
	218' W				
N	℄ Cem auto Drive		6.50	298.8	on line
C			6.8	298.5	
S			7.1	298.2	
	250' W				
S			7.3	298.0	
C			7.4	297.9	
N			6.9	298.4	
T.P.	4.37	302.53	7.15	298.16	

302.53

266' W		302.5	
-3.7 & double garage dirt floor	3.80	298.7	
N	4.2	298.3	
C	4.7	297.8	
S	4.8	297.7	
281' W			
-9.5 & Garage cem floor	4.90	297.6	
S	5.0	297.5	
C	4.8	297.7	
N	4.3	298.2	
+3.7 & Garage cem floor	4.0	298.5	
293 W			
3' N of NW & Garage cem floor	4.13	298.4	
316' W			
-4.2 & Garage cem floor	4.60	297.9	
N	4.8	297.7	
C	5.3	297.2	
S	5.5	297.0	

302.53

335' W		302.5	
9.5' S of SE double garage	5.6	296.9	dirt floor
S	5.6	296.9	
C	5.7	296.8	
N	5.4	297.1	
355' W			
N & Garage dirt floor	5.0	297.5	on line
C	5.4	297.1	
S	5.7	296.8	
370' W			
S	5.5	297.0	
C	5.1	297.4	
N	5.0	297.5	
407' W			
N	5.6	296.9	
C	5.7	296.8	
S	6.3	296.2	
+1 & Cem. Floor	6.13	296.4	Garage 5' S of S.E.

302.53

122.68' W = PC			302.5
S		6.7	295.8
C		6.3	296.2
N		5.8	296.7
42.6.5 W			
S on conc cb		6.26	296.3
142.68' W = EL of Alley to the south			
N		6.4	296.1
+15 C		6.8	295.7
+15 S		6.8	295.7
159.20' West = WL Alley to south			
S		6.9	295.6
+15 C		6.9	295.6
+15 N		6.9	295.6
T.P.	2.54	298.43	6.64 295.89
20' S of SL of Alley to the east = EC = 0+00 Alley is 16.4' wide here			
-1' ¢ Garage conc floor		2.45	296.0
W		2.5	295.9

298.43

			298.4
C		3.1	295.3
E gutter		3.3	295.1
E top curb		2.78	295.6
16' S of EC = pepper tree 13.5' W of E. LINE			
49' S " " "			
E on conc cb		3.61	294.8
gutter		4.1	294.3
C		4.0	294.4
+6.4 = ¢ of shed 12' wide		3.9	294.5
75' S of SL Alley to east			
W	nt shed on line	4.2	294.2
C		4.1	294.3
E gutter		4.4	294.0
E on conc cb		4.0	294.4
170.5 S of SL Alley to east			
E top conc cb		4.48	293.9
gutter		4.6	293.8
C		4.5	293.9

298.43

		298.4	
C + 6.3 to cem drive	4.29	294.1	22 in alley
W " " 1 st shed	4.10	294.2	on line
114' S of St of Alley to east			
W on cem drive	4.14	294.3	
+ 2.2 = Alley return	4.23	294.2	
B	4.6	293.8	
E gutter	4.7	293.7	
E on Alley return	4.6	293.8	
block to BM	3.45	294.98	Essex & Richmond 295.0

Cross Section of Alley 20' wide
Blk 249 Univ. Hgts

C+ SWBD	2.77	339.18	336.41	University + Georgia
SL of Univ = 0+00				
E top cb		7.09	332.09	
E gutter on paving		8.34	330.86	
C " "		9.20	329.88	
W top cb " "		9.26	329.92	
E 4' S				
W top 4" wall		8.54	330.64	
+1		9.1	330.1	
C		8.7	330.5	
+8		8.0	331.2	
E		6.5	332.7	
20' S				
E		5.8	333.4	
+3		7.0	332.2	
C		7.6	331.6	
W top 4" wall		7.90	331.3	

do not establish grade above this 4" cem. wall.
3" below OK

4/19/26 3.39.18
Moore

56' S = Break in grade of 4" wall on West

W top 4" wall		6.50	332.7
C		6.2	333.0
+7		6.2	333.0
E		5.1	334.1
93' S			
E		5.3	333.9
+4		5.8	333.4
C		5.8	333.4
W top 4" wall = BREAK		5.96	333.22 in grade of 4" wal
108.5' S = NL of cem platform			Not necessary for grade to fit
E		5.2	334.0
114' S = S end of 4" wall on west			
W		5.80	333.4
118' S =			
W + SL of cem walk		6.3	332.9
T.P.	3.05	335.98	6.25	332.93

335.98

127.5' S		
W	3.1	332.9
C	2.8	333.2
E St cem platform	2.02	333.96
150' S		
E St cem platform (Not necessary to fit for grade)	2.0	334.0
C	3.0	333.0
W	3.7	332.3
168.5' S		
W	4.0	332.0
C	3.4	332.6
E St cem platform	2.0	334.0
175' S		
-4.5 & Garage cem floor	1.52	334.46
E	1.9	334.1
C	3.2	332.8
W	4.1	331.9

335.98

200' S		
W	4.3	331.7
C	4.0	332.0
+5	3.4	332.6
E	2.5	332.5
239' S		
-8.5 & double Garage	3.6	332.4 dirt floor
E	4.2	331.8
C	4.8	331.2
W	4.9	331.1
+5	6.2	329.8
269' S		
-5	7.9	328.1
W top wall Newd wall	6.72	329.21
C	6.1	329.9
E	5.3	330.7
277' S		
4.8 E of EL = Garage	4.60	331.38 cem. floor

335.98

284'S			
0.3' W of EL = N end of retaining wall	5.3	330.7	on top
290'S			
E top wall	5.4	330.6	
E	6.0	330.0	
C	6.7	329.3	
w/ top retaining wall	7.9	328.1	
+0.5'	11.6	324.4	
300'S			
℄ top Sewer M.H.	8.10	327.88	
308'S = S end of wall on West			
-0.5'	11.5'	324.5	
W top wall	8.94	327.04	
+1	9.7	326.3	
C	8.6	327.4	
+7	8.2	327.8	
E	7.4	328.6	
E top con wall	6.13	329.85	

335.98

23

314'S		
E top wall	6.26	329.72
E	7.3	328.7
+3	8.4	327.6
C	9.0	327.0
+5	9.3	327.8
W ℄ Drive to Garage	10.7	325.3
+5	11.6	324.4
320'S		
-5	11.8	324.2
-3	10.8	325.2
W	9.5	326.5
C	9.6	326.4
+6	8.7	327.3
E	7.5	328.5
E Top wall	6.38	329.6
340'S		
E top	7.04	328.94
E	9.1	326.9

335.98

+3	10.2	325.8	
C	10.8	325.2	
+6	10.9	325.1	
W	10.6	325.4	
+3	11.5	324.5	
+6	13.6	322.4	
369'S = S end of retaining wall on EAST			
−5	13.2	322.8	
W	12.1	323.9	
+2	12.5	323.5	
C	12.6	323.4	
+8	12.1	323.9	
E	11.2	324.8	
E top wall	8.47	327.51	
T.P. 397	327.31	12.64	323.34
379'S			
−1.8 = ¼ double garage		3.50	323.8 cem. floor
E		3.7	323.6

327.31

+5	4.5	322.8
C	5.0	322.3
+3	4.6	322.7
W	4.2	323.1
384'S		
W = N¼ Garage dirt floor	5.8	321.5
C	5.3	322.0
E	3.9	323.4
392'S		
E	4.1	323.2
C	5.3	322.0
W S¼ above garage	5.7	321.6
417'S		
W	5.4	321.9
C	4.7	322.6
+7	4.0	323.3
+9.7	3.1	324.2
E top cem step to residence	2.70	324.6

	475's		
E		2.5	324.8
+3		4.1	323.2
e		4.5	322.8
+5		4.8	322.5
W		5.8	321.5
+3		7.0	320.3
+5		7.1	320.2
	450's		
-3.5	E edge Bldg	6.6	320.7
W		6.1	321.2
+5		5.2	322.1
e		5.0	322.3
+7		4.5	322.8
E		3.1	324.2
	478's		
-1.8	& Garage wood floor	6.15	321.16
W		6.0	321.3

C		5.5	321.8
+7		5.1	322.2
E		3.6	323.7
	500's		
E		3.0	324.3
+3		5.2	322.1
C		5.6	321.7
+9.5	fence	5.6	321.7
	525'		
W		6.2	321.1
+12	fence	6.2	321.1
C		6.3	321.0
+6		6.0	321.3
E		5.0	322.3
	550's		
E		6.5	320.8
+4		7.4	319.9
e		8.0	319.3

		327.31		
+8.1 = fence			8.1	319.2
W			8.3	319.0
	572'S = end of fence in alley			
W			9.2	318.1
+1.8			9.2	318.1
+3			9.3	318.0
C			9.5	317.8
+6			9.6	317.7
E			8.5	318.8
TP	2.8	318.45	11.70	315.61
	600'S			
E			1.4	317.2
+3			1.4	317.1
+5			5.7	312.8
C			6.0	312.5
+6			6.0	312.5
W			4.1	314.4

		318.45		
	614'S			
W			7.3	311.2
+3			8.2	310.3
C			8.2	310.3
+4			7.6	310.9
+6			2.2	316.3
E			2.2	316.3
	616'S			
E			2.2	316.3
+5			7.8	310.7
C			8.6	309.9
+7			8.6	309.9
W			7.6	310.9
	618'S			
W			8.0	310.5
+3			8.9	309.6
C			8.7	309.8
+9			8.1	310.4
E			4.4	314.1

31845

619.30' S = N L Robinson

E	top alley return	8.67	309.78
C		8.8	309.7
W	No alley cut	9.7	308.8
T.P. SWBP	Robinson & Georgia	6.53	311.92 311.99

Elev of Flow Line of Sewer 40' S of N.L. Robinson at MH.

309.8
63
303.5

Cross Section of Alley 20' wide
Blk G Univ. Hgts. Sub.

SEBP	2.53	391.57		389.04	Adams & Both
TP	6.81	393.08	5.30	386.27	
	NL Adams = 0+00				
W top return			6.51	386.57	
W paving			6.60	86.48	
C			6.80	86.28	
E paving			6.60	86.48	
E top return			6.44	86.64	
	20' N				
E			6.2	86.9	
C			6.1	87.0	
W			6.4	86.7	
	50' N				
W			6.5	86.6	
C			6.2	86.9	
E			6.2	86.9	
	100' N				
E			6.1	87.0	

PLOTTED

4/19/26 393.08
Moore

C	6.2	386.9	
W	6.3	86.8	
116' N			
-8.6 ℄ double Garage	5.82	87.26	cem floor
W	6.2	86.9	
C	6.1	87.0	
E	6.3	86.8	
143' N			
E SL Shed 7' N alley	6.1	87.0	
C	6.1	87.0	
W	6.0	87.1	
174' N			
W	6.0	87.1	
C	5.9	87.2	
+9.2 NL Shed	6.0	87.1	8' N alley
E	6.0	87.1	
193' N			
2' W of WL ℄ garage	5.82	87.26	wood floor

393.08

225' N

E	5.5	387.6
C	5.7	87.4
W	5.7	87.4

250' N

W fence 5 end 6 in alley	5.5	87.6
C	5.3	87.8
E	5.1	88.0

300' N

E	4.7	88.4
C on M.H. Rim	4.96	88.12
+8.5 fence	4.9	88.2
W	4.9	88.2

325' N

W	4.2	88.9
+2 N end of fence		2' in alley
C	4.4	88.7
E	4.3	88.8

393.08

350' N

E	4.1	389.0
C	4.2	88.9
W	3.9	89.2

380' N

W	3.9	89.2
C	3.9	89.2
E	3.7	89.4
+7 ℄ garage dirt floor	3.2	89.9

400' N

E	3.3	89.8
C	3.3	89.8
W	3.2	89.9

450' N

W	2.6	90.5
C	2.8	90.3
E	2.5	90.6

393.08

480' N

- 2.5 & garage dirt floor	2.0	391.1
E	2.0	91.1
C	2.0	91.1
W	2.3	90.8

535' N

W	1.7	91.4
C	1.8	91.3
E	1.8	91.3

531' N

E	1.6	91.5
C	1.3	91.8
W	1.1	92.0
+1.4 & Garage cem floor	1.0	92.1

550' N

W	1.3	91.8
C	1.4	91.7
E	1.5	91.6

393.08

575' N

E	1.3	391.8
C	1.8	91.3
W	1.6	91.5

599.5' = SL Collier

W top cb		2.70	90.4
+2		3.2	89.9
C		3.1	90.0
+7		3.1	90.0
E top cb		2.64	390.44
TP 4.1	385.36	11.86	381.22
check to BMSE Madison & Idaho		6.73	378.63 378.55

Cross Section of Alley 20' wide
Blk 330 Choates

NWRP	1.87	76.84		74.97	30th
T P	6.10	78.14	4.80	74.04	
El 30th = 0+00					
N on paving lath fence on line		78	6.46	71.6 ✓	
C " "			6.80	71.3 ✓	
S " "			6.44	71.7 ✓	
25' E					
S			5.4	72.7 ✓	
C			5.0	73.1 ✓	
N lath fence in alley .4			4.8	73.3 ✓	
65' E					
N lath fence 1.5 in alley			4.4	73.7 ✓	
C			4.9	73.2 ✓	
S Garage dirt floor			5.3	72.8 ✓	
88' E					
S			5.0	73.1 ✓	
C			4.9	73.2 ✓	
+ 8.4 lath fence (east end			4.6	73.5 ✓	

4/20/26 78.14 30th to 31st
Moore betw. Clay + Webster

	78		
+9.6 = wt shed	4.5	73.6	✓
N	4.5	73.6	✓
10.0' E			
N = El shed .5 in alley	4.7	73.4	✓
C	4.9	73.2	✓
S	5.0	73.1	✓
129' E			
S	4.7	73.4	✓
C	4.7	73.4	✓
+9.5 wt shed	4.7	73.4	✓
N	4.7	73.4	✓
150' E			
N = El Shed 1.0 in alley			
151' E = w end of shed + fence 1.0 in alley			
157' E			
N shed 1.0' in alley	4.7	73.4	✓
C	5.0	73.1	✓
+9.6 + garage cem floor	4.90	73.2	4' in alley

78.4

205' E	78.1		
S	4.9	73.7	✓
C	4.7	73.4	✓
49.4 E end fence	4.6	73.5	✓ .6 in yellow
210' E			
4' S of SL Garage cem floor	4.74	73.4	✓
250'			
N	4.9	73.7	✓
C	4.9	73.7	✓
S ℄ Garage dirt floor	4.9	73.7	✓
271' E			
-4.5 ℄ Garage dirt floor	5.7	72.9	✓ 4.5 back
S	5.7	72.9	✓
C	5.1	73.0	✓
N	5.0	73.1	✓
297' E			
-0.5 ℄ Garage floor wood	4.9	73.7	✓
N	5.0	73.1	✓

78.4

	78.1		
C	5.4	72.7	✓
S	5.5	72.6	✓
350' E			
S	6.5	71.6	✓
C	6.1	72.0	✓
N	6.0	72.1	✓
T.P. 323	75.13	6.24	71.90
405' E			
N ℄ Garage dirt floor	75.1 / 4.1	71.0	✓ .8 back
C	4.6	70.5	✓
S	4.8	70.3	✓
445' E			
-2.5 Garage dirt floor	5.6	69.5	✓
S	5.5	69.6	✓
C	5.0	70.1	✓
N	4.5	70.6	✓
460' E			
4' N of NL Garage	4.50	70.6	✓ dirt floor

7513

469'E		75'		
2.4' S of SL Garage cem floor		5.30	698	✓
480'E				
- 4	Garage dirt floor	4.30	708	✓
N		4.6	705	✓
C		4.9	702	✓
S		5.0	701	✓
506'E				
S	Garage dirt floor	4.6	705	✓ online
C		4.6	705	✓
N		4.3	708	✓
530'E				
N		3.5	716	✓
C		3.8	713	✓
S	w end of fence online	3.6	715	✓
558E				
6 N of NL Garage wood floor		2.8	723	✓

7513

569'E			75'		
1.0' N of NL Garage dirt floor			2.1	730	✓
572'E					
S	& Garage dirt floor		1.6	735	✓ 1.0 in alley
C			1.8	733	✓
N			2.1	730	✓
601.50E = WL of 31st					
N			1.4	737	✓
C			0.6	745	✓
+9.1	of end fence		0.0		.90 in alley
S			0.0	75'	
T.P.	10.42	83.83	1.72	73.41	
TP	6.03	87.15	2.71	81.12	
SW Mon 32nd & clay (plug gone)			9.17	77.98	78.06

Cross Section of Alley 10' wide in west ½ of BIK 41 U.S. Grant's Hill Sub. 25' " " East " "

SL of Alley is 95' N of NL of K. ST

SWBP	12.4	99.28		86.86	K & 26th
TP	13.27	112.35	0.20	99.08	
No alley returns constructed here					
2' W of EL of 26th on inside edge of S/W					
S			6.50	105.9	
N			4.97	107.38	
EL 26th = 0+00					
N			4.5	107.9	
+2			5.4	107.0	
C of 10' alley			5.7	106.7	
+3			6.3	106.1	
S			5.7	106.7	
20' E					
S			3.3	109.1	
C			3.1	109.3	
+3			3.0	109.4	
N			2.3	110.1	
T.P.	11.74	123.82	0.27	112.08	

BIK 123.82 4/20/26 Moore

50' E				
N		11.2	114.6	
+2		12.0	111.8	
C		12.1	111.7	
S		12.3	111.5	
87' E				
S ℄ Garage cem floor		8.80	115.0	on line
C		9.1	114.7	
N		9.1	114.7	
+5 " " dirt floor		8.7	115.1	
127' E				
N		6.2	117.6	
C		6.6	117.2	
S ℄ garage dirt floor		6.6	117.2	on line
164' E				
S		4.9	118.9	
C		4.7	119.1	
N		4.3	119.5	

143.84

N' +10.5 Garage con floor	2.75	141.0	
180' E			
-1 = Rock wall at base	3.7	140.1	
N	3.8	140.0	
C	4.4	119.6	
S	4.3	119.5	
200' E			
S	4.0	119.8	
C	4.0	119.8	
N E end rock wall	3.6	140.4	
250' E			
N	2.6	141.4	
C of 10' Alley	2.7	141.1	
S	2.7	141.1	
300' E			
-1 con Apron to Garage	2.80	141.0	Fast entrance
S	2.8	141.0	
C & of 10' Alley	2.0	141.8	

~~143.84~~

TP 5.68	146.80 ✓	2.70	141.14
N ± of 10' Alley		5.8	141.0
C of 25' "		3.8	143.0
+3		2.5	144.3
N L of 25' "		1.3	145.5
320' E			
N		2.4	144.4
+7		3.6	143.4
C		5.3	141.5
S		5.7	141.1
354' E			
-2.5 Garage floor cement ~~Art~~		6.6	140.4
S		6.6	140.4
C		5.4	141.4
+10		4.9	141.9
N		4.3	142.5
394' E			
N		3.8	143.0

12680

+3	5.2	121.6	
C	5.4	121.4	
S	5.8	121.0	
+0.3 Garage Cem. Floor	5.70	121.1	
407'E			
4' S of SL Garage Cem Floor	6.00	120.8	
S 425'E	6.5	120.3	
C	6.0	120.8	
N	5.5	121.3	
450'E			
N	5.4	121.4	
+2	6.2	120.6	
C	6.9	119.9	
S	7.3	119.5	
475'E			
S garage cem Floor	7.70	119.1	.5 in alley
+2 edge cem Apron	7.7	119.1	8.5 wide

12680

C	7.6	119.4	
N	6.5	120.3	
514'E			
N	7.9	118.9	
C	8.4	118.4	
+9.5 ¢ Apron cem	8.22	118.6	8' wide
+11.5 L Garage "	8.22	118.6	1' in alley
540'E			
S fence .5 in alley	9.3	117.5	
C	9.0	117.8	
+10	8.6	118.2	
N	7.5	119.3	
570'E			
N	8.3	118.5	
C	9.8	117.0	
S Garage ¢ in alley	9.82	117.0	cem Floor
590'E			
S	9.9	116.9	

12680

S +10		11.1	115.7
C		10.3	116.5
+5		9.9	116.9
N		9.5	117.3
60' E = WL 27th			
N		8.9	117.9
+5		10.2	116.6
C		11.3	115.5
+7		11.2	115.4
S		11.1	115.7
3' is of WL = inside edge of sidewalk			No alley returns
S		11.86	114.94
N		9.50	117.30
T.P	1.05 . 115.46	12.59	114.41
T.P to BM K 27th Nul		12.43	103.03 102.99

Cross Section of Alley 20' wide
BlK 48 City Hgts

NWBP	7.15	360.72		353.57	Wightman + 43d
NL Wightman = 0+00			No Alley returns built		
				360.7	
E			6.9	353.8	
C			6.5	354.2	
W			6.5	354.2	
	25' N				
W			5.7	355.0	
C			5.6	355.1	
E			5.6	355.1	
	57' N				
E			5.2	355.5	
C			5.1	355.6	
W			5.3	355.4	
+ 7 Garage dirt floor			5.2	355.5	
	82' N				
- 7			4.9	355.8	
W			4.9	355.8	
C			4.8	355.9	

4/21/26 Moore 360.72

				360.7	
E			5.2	355.5	
	100' N				
E			5.1	355.6	
C			5.0	355.7	
W			4.8	355.9	
	150' N				
W			4.8	355.9	
C			4.5	356.2	
E			4.5	356.2	
+ 6 Garage dirt floor			4.5	356.2	
	175' N				
E			4.3	356.4	
C			4.2	356.5	
W			4.4	356.3	
	200' N				
W = SL Apron Cement			3.2	357.5	on line 50' wide
C			3.6	357.1	
E			3.6	357.1	

360.72

	250' N			360.7	
E			3.4	357.3	
C			3.1	357.6	
W	NL Cem Apron		3.28	357.4	on line 50' wide
	276' N				
W	SL Cem Apron		2.86	357.8	on line
C			3.1	357.6	
E			3.2	357.5	
	300' N				
E			3.0	357.7	
C			2.8	357.9	
W	NL Cem Apron		2.83	357.9	on line
	326' N				
W			3.2	357.5	
C			2.9	357.8	
E			2.9	357.8	
+ 4	Garage dirt floor		2.90	357.8	
T.P.	5.84	363.79	2.77	357.95	

363.79

	352' N			363.8
-3	Garage cem floor		5.68	358.1
E			5.9	357.9
C			5.9	357.9
W			5.8	358.0
	400' N			
W			5.4	358.4
C			5.3	358.5
E			5.5	358.3
	402' N SL shed H in alley on East			
	433' N NL " 6 " " " "			
	441' N			
-2.5	Garage dirt floor		5.4	358.4
E			5.2	358.6
C			5.6	358.2
W			5.5	358.3
	475' N			
W			5.7	358.1

			363.8
C		5.3	358.5
E		5.3	358.5
471' N = SL Shed .3 in alley on East			
498 N = NL r on line			
500' N			
E		4.5	359.0
C		5.0	358.8
W		5.4	358.4
540' N			
W		4.8	359.0
C		4.5	359.3
E		5.2	358.6
575' N			
E		4.6	359.2
C		4.5	359.3
W		4.6	359.2
600.5' N = SL University Ave			
W on paving		5.7	358.6

				363.8	
C			5.43	358.4	
E			5.19	358.6	
T.P.	362	362.13	5.38	358.51	
check to BM			8.55	353.58	353.57

Cross Section of Alley 20' wide
BIK 6 Watkins & Biddle

NEBP 4.13 291.20 287.07 Juniper 31st

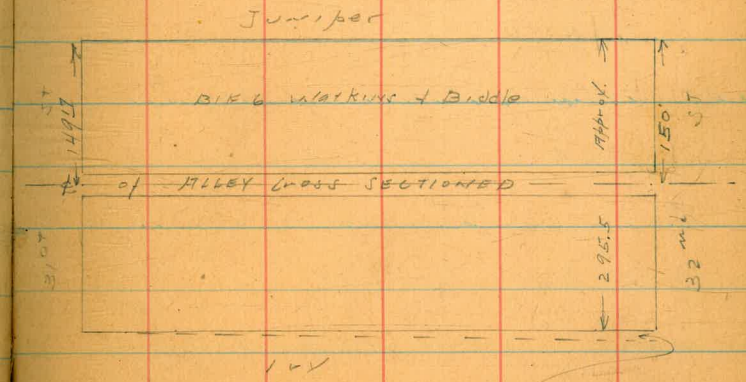
EL 31st = 0+00

S Top cb	6.46
S paving	6.54
C "	6.77
N "	6.55
N top cb	6.31
5' E	
N	5.1
C	5.6
S	5.8
35' E	
S	5.3
C	5.1
N	4.9
57' E	
N	5.1
C	5.0

291.20

S	5.1
+2.5 Garage dirt floor	5.1
80' E	
S	4.7
C	4.5
N	4.8

Alley returns built at 32nd for 300' BIK



I think the property owners have a petition in to close a portion of the North side of Ivy to Make 300' BIK at 32nd ST

291.20

106' E

N	4.9	
C	4.6	
S	5.1	
+ 3 Garage Con floor	4.90	

155' E

S garage dirt floor	4.90	on line
C	4.9	
N	5.1	

176' E

N West end of fence .6 in alley		

200' E

N	5.0	
+ 0.6 fence		
C	5.1	
S	5.2	

233' E

S	5.9	

291.20

C	5.7	
+ 9.5 ℄ double garage	5.5	Con floors

246' E

N EL of double garage	.5 in alley	

255' E

S ℄ garage dirt floor	6.40	0.5 back

261' E

N ℄ garage con floor	5.83	0.5 back
N	6.1	
C	6.1	
S	6.3	

301' E

S	7.0	
C	7.1	
+ 9.5 = W end of fence	6.5	.5 in alley

307' E

3.5 S of SW Garage wood floor	8.43	

	345' E = E end of fence		
S		8.7	
C		7.6	
+9.2	fence	7.3	0.8 in yellow
	352' E		
-3.5'	Garage dirt floor	7.2	
N		7.2	
C		7.9	
S		8.7	
	368' E = W brink of deep canon		
S		10.1	
C		9.1	
N		8.8	
	378' E = West end Sewer trestle		
℄	top of CI Sewer pipe 1 x 9"		

Alley 330 Choates 5-1-26 Miller
W Line of 31st East St.
Used Roadway

S W St + clay					
BM Mon	1.12	79.10		77.98	Page 33
T.P.	12.80	81.05	10.85	68.25	
		W. Line 31st			
		81.1			
N			7.3	738	
C			6.5	746	
+9.1 Fence			5.9	754	
S			5.9	754	
		13' E			
S			5.3	758 ✓	
+6			5.8	753	
C			7.3	738	
N			7.6	735	
		16' E			
N			7.6	735	
C			7.7	734	
S			8.0	731	

	18' E	81.1		
S		8.3	748	
+9		11.7	694	
C		9.0	741	
N		9.5	716	
	22.5 E.			
N		14.3	668	Roadway
C		14.3	668	"
S		14.8	663	"

BlK 44 La Jolla Park 6/16/26

x see Prospect to Exchange

B.M.	0.61	188.49		187.88	Prospect & College
T.P.	2.30	177.61	13.18	175.31	
		00 = S. Line Prospect			
				177.61	
E			4.54	173.1	Paving
C			5.90	171.7	"
W			7.18	170.4	"
		15' S			
W			7.4	170.2	
+3			6.1	171.5	
C			5.6	172.0	
E			4.8	172.8	
		17' S			
E			4.8	172.8	
C			5.6	172.0	
W			6.0	171.6	

cont wall from Prospect South 100' is .03 in Alley +

		177.61		
	35' S			
Wall on W. .05 in Alley			177.6	
W		5.5	172.1	
C		5.2	172.4	
E		4.2	173.4	
	75' S			
E		2.7	174.9	
C		3.8	173.8	
+9		3.9	173.7	wall 1.0 in Alley

cont runway to garage on E. on Line

115' S wall on W 1'0. in alley

W	3.0	174.6	
E	2.9	174.7	
E	2.1	175.5	cmt apron

x end

129' S, Garage on W dirt floor 3.8 Back

E	1.9	175.7	
C	2.4	175.2	
W	2.4	175.2	floor

177.61

150' S = S. end. above Garage 177.6

W		2.4	175.2	floor
C		2.2	175.4	
E		1.8	175.8	

190' S garage on E. cmt floor 9' Back

E-1.9		1.3	176.3	cmt apron
E		1.5	176.1	
C		1.9	175.7	
W		2.2	175.4	

207' S garage on E cmt floor 7' Back

E. line		1.4	176.2	cmt apron

220' S

W		2.2	175.4	
C		2.3	175.3	
E		1.3	176.3	
T.P.	5.74	181.47	1.88	175.73

181.47

250' S 181.5

E	3.5	178.0	
+3	5.0	176.5	
C	5.7	175.9	
W	5.2	176.3	

273' S

W	5.0	176.5	
C	5.3	176.2	
+6	4.9	176.6	
E	4.3	177.2	

295' S. garage on E wood floor 0.3 Back

E-0.3	4.2	177.3	floor

300' S

E	4.2	177.3	
C	4.4	176.9	
W	4.7	176.8	

181.47

320'S

		181.5
W	4.8	176.7
e	4.7	176.8
+6	4.3	177.2
E	3.8	177.7

342'S double garage dirt floor 2.6 Back

E-2'6	3.0	178.5
E	3.3	178.2
e	4.5	177.0
W	5.0	176.5

370'S

W	5.2	176.3
e	4.7	176.8
E	4.3	177.2

400'S

E	3.8	177.7
+3	4.5	177.0
e	4.9	176.6
W	5.5	176.0

181.47

425'S

		181.5	
W	5.3	176.2	
e	5.0	176.5	
E	4.5	177.0	

N. End Garage on W cmt floor 5'0 Back

429'S " " " " E dirt " 1'8 Back

E	4.7	176.8	floor
e	5.1	176.4	
W	6.0	175.5	cmt Apron
+5	6.0	175.5	" floor

447'S = S end above Garages

W-5	6.0	175.5	" floor
W	6.0	175.5	" apron
e	5.5	176.0	
E	4.8	176.7	

470'S

E	5.5	176.0
e	5.8	175.7
	6.3	175.2

		181.47			
		494' S			
				181.5	
W			6.6	174.9	
E			6.6	174.9	
E			5.8	175.7	
T.P.	253	176.60	7.40	174.07	
	500' S = N. Line Exchange				
				176.6	
E			1.62	175.0	cmt el
E			2.36	174.–	Paving
E			2.64	173.9	"
W			2.90	173.7	"
W			2.61	174.0	cmt el

Alley Blk 43 La Jolla Park 6/16/24

x See Exchange to Ivanhoe East

176.60 Page 48

00 = S. line Exchange

		176.6	
W	4.07	172.5	cb
W	4.22	172.4	paving
E	3.80	172.8	"
E	3.34	173.3	"
E	2.72	173.9	
31's ¢ cmt drive on E. on line			
E	3.80	172.8	cmt drive
E	4.6	172.0	
W	4.6	172.0	
60's			
W	5.4	171.2	
E	5.2	171.4	
E	4.4	172.2	
100's			
W	6.7	169.9	
E	6.6	170.0	
E	6.2	170.4	

176.60

118' cmt Runway on E

		176.6	
E	6.3	170.3	cmt drive
156's garage on W cmt floor 4' Back			
E	7.2	169.4	
E	8.0	168.6	
W	7.7	168.9	cmt apron
¢	7.5	169.1	floor
180's double garage on E cmt floor 8.5 Back			
E-8.5	7.3	169.3	floor
E	7.7	168.9	
E	8.7	167.9	
W	8.5	168.1	
207.5, garage on west wood floor 0.3 in alley			
W	9.3	167.3	floor
E	9.3	167.3	
E	8.3	168.3	

		176.60			
		R 30's		176.6	
E			9.4	167.2	
C			9.8	166.8	
W			10.0	166.6	
240's garage on W emt floor 6.0 Back					
W-6			10.3	166.3	floor
W			10.5	166.1	
C			10.4	166.2	
E			9.8	166.8	
266's garage on E wood floor 8.6					
E-8.6			8.6	168.0	floor
		300's			
E			11.3	165.3	
C			12.1	164.5	
W			12.0	164.6	
T.P.	0.44	165.29	11.75	164.85	

		165.29			
310's garage on W emt floor 5.5 Back					
W-			0.80	165.3 / 164.5	emt floor
		320's			
W			1.1	164.2	
C			1.8	163.5	
E			1.3	164.0	
		340's			
E			1.9	163.4	
C			2.7	162.6	
W			2.8	162.5	
		360's			
W			3.1	162.1	
C			3.3	162.0	
E			2.7	162.6	
383's garage on E emt floor 9.1 Back					
E-9			2.3	163.0	emt floor
E-1			3.4	161.9	emt apron
E			3.5	161.8	
C			4.0	161.3	
W			3.8	161.5	

165.29

400' S

			165.3
W	4.7	160.6	
C	4.9	160.4	
E	4.3	161.0	
441's garage on W cmt floor 3.7' Back			
E	5.3	160.0	
C	5.9	159.4	
W	5.8	159.5	
+3.7'	5.6	159.7	floor
N. end garage on E cmt floor 4' Back			
455's ℄ " " W " " 3.6 Back			
W-3.6	5.6	159.7	floor
W	5.9	159.4	cmt apron
C	6.1	159.2	
E	5.9	159.4	
+1	5.6	159.7	cmt apron
+4	5.6	159.7	floor

165.29

471.5 S. end above garage on E

					165.3
-4			5.7	159.6	floor
-1			6.3	159.0	apron
E			6.7	158.6	
C			7.0	158.3	
W			6.6	158.7	
		500' S			
W			7.7	157.6	
C			8.2	157.1	
E			7.9	157.4	
T.P.	11.74	172.73	0.30	164.99	
T.P.	0.12	164.28	12.17	164.56	
c/k on BM			14.70	149.98	Torrey & Prospect

+ See Ivanhoe Ave East Torrey Road to College

8/19/26 Miller

N.B. should be combination Sidewalk + El. on account of Trees on N of Ivanhoe East of Torrey Road

BM	13.24	141.33		128.09	N.W. Kline + Ivanhoe
	12.58	153.04	0.87	140.46	
	10.61	162.63	1.2	152.02	
	00 = ℄ Line Torrey Road			162.6	
S			10.4	152.2	
el			10.64	152.0	cut el
+2			11.1	151.5	
1/4			10.5	152.1	
C			9.9	152.7	
1/4			9.5	153.1	
+12			9.3	153.3	
el			8.62	154.0	cut el
N			8.4	154.2	
		3' C			
N			8.3	154.3	
el			8.8	153.8	
1/4			9.3	153.3	
C			9.8	152.8	

162.63
10.60
152.03 BM S.E Torrey Road + Ivanhoe East

		162.63		162.6
1/4			10.2	152.4
el			10.3	152.3
S			10.4	152.2
		50' C		
S			9.6	153.0
el			9.6	153.0
1/4			9.5	153.1
C			9.0	153.6
1/4			8.2	154.4
el			8.1	154.5
+2			7.4	155.2
N			7.1	155.5
		75' C		
N			6.7	155.9
+12			7.1	155.5
el			7.7	154.9
1/4			8.2	154.4
C			8.6	154.0

	162.63		
			162.6
4		8.8	153.8
cl		9.1	153.5
S		9.2	153.4
	100' E		
S		8.6	154.0
cl		8.4	154.2
4		8.1	154.5
c		7.8	154.8
4		7.2	155.4
cl		7.3	155.3
th		6.6	156.0
N		4.1	156.5
	140' E		
N		5.2	157.4
cl		5.9	156.7
4		6.7	155.9
c		6.5	156.1
4		6.4	156.0

	162.63		
			162.6
cl		7.2	155.4
S		7.5	155.1
	160' E		
S		7.5	155.1
cl		7.0	155.6
4		6.6	156.0
c		6.3	156.3
4		5.8	156.8
cl		5.3	157.3
N		5.0	157.6
	175' E		
N		3.6	159.0
cl		4.6	158.0
4		4.8	157.8
c		5.3	157.3
4		5.9	156.7
cl		6.0	156.6
S		6.7	155.9
+S		7.4	155.2

	162.63		
	200' E		162.6
-5		7.3	155.3
S		7.0	155.6
el		4.2	156.4
1/4		5.7	156.9
C		5.2	157.4
1/4		4.7	157.9
+10		4.3	158.3
el		3.5	159.1
N		2.5	160.1
	215' E		
N		1.5	161.1
el		2.7	159.9
+3		3.8	158.8
1/4		4.0	158.6
C		4.8	157.8
1/4		5.7	156.9
el		6.3	156.3
S		7.1	155.5
+5		7.2	155.4

		162.63		
		245' E		162.6
-5			5.1	157.5
S			4.3	158.3
el			3.6	159.0
1/4			3.4	159.2
C			2.6	160.0
1/4			2.1	160.5
+10			2.2	160.4
el			1.2	161.4
N			0.3	162.3
TP	6.13	166.45	2.31	160.32
		270' E		166.5
N			3.1	163.4
el			4.2	162.3
+3			5.2	161.3
1/4			5.0	161.5
C			5.6	160.9
1/4			4.3	160.2
el			6.6	159.9

Frankoe East

166.45
6.17
160.28

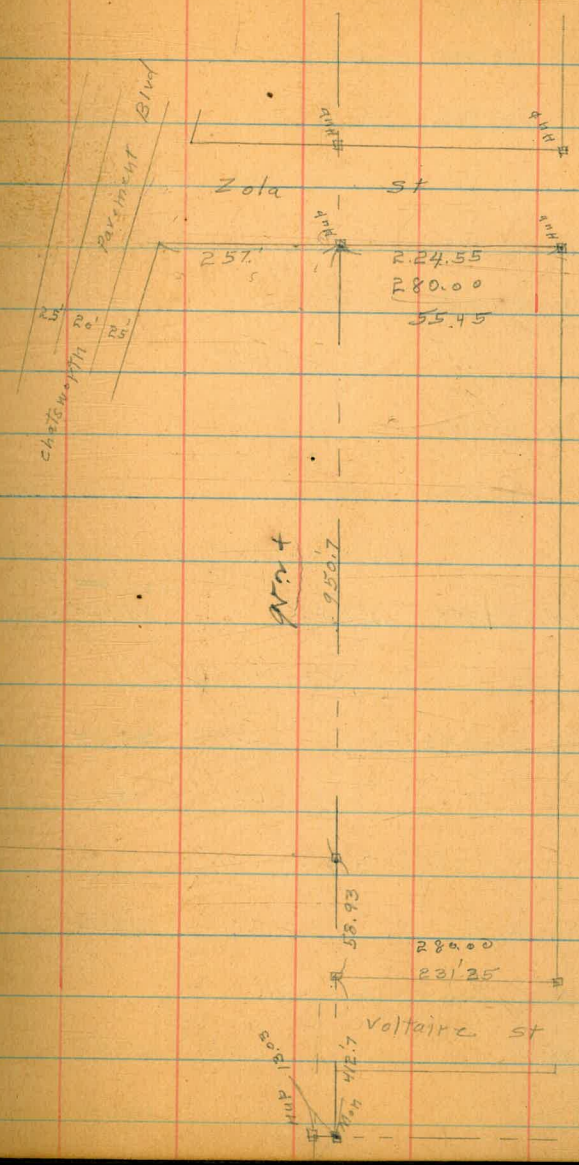
3.82
162.63

	166.45		
	270 E (EOH)		166.5
S		7.4	159.1
+5		8.0	158.5
	300' E = W Line College		
S		5.8	160.7
cl		5.7	160.8
1/4		5.1	161.4
c		4.7	161.8
1/4		4.4	162.1
+11		4.1	162.4
cl		3.4	163.1
N		3.0	163.5

School Grounds
Point Loma High

10/1/20
Mills

180
51.35
231.35



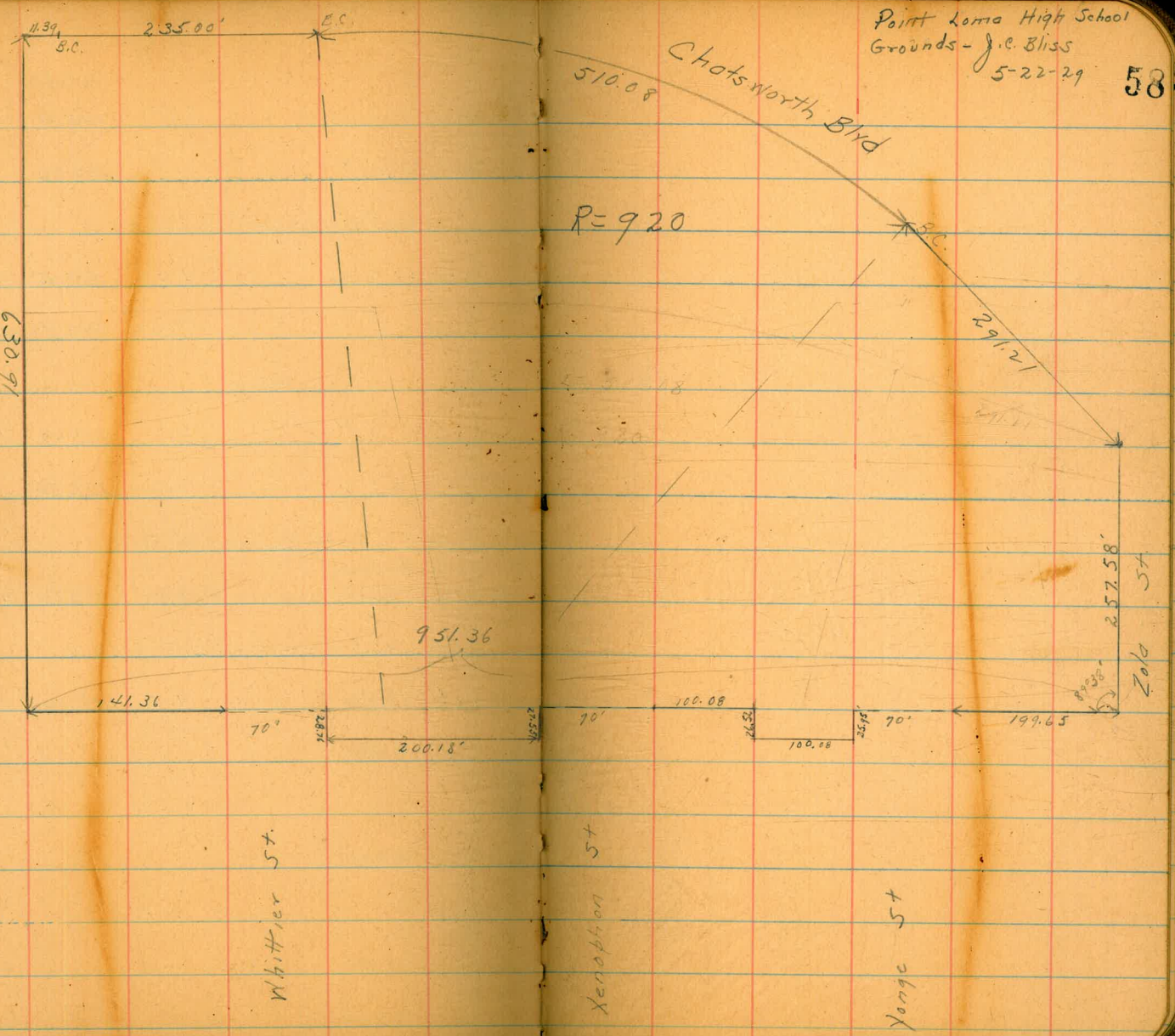
Levels for Grade 10/1/26 [illegible]

San Gorgonio Mc Call to Laurence

					should be this
				145.00	cb. S.E. McCall
B.M.	2.50	147.50		149.0	+ San Gorgonio
		N. cb Line Mc Call			
E. Line	San G = E. Line		1.63	145.87	cmt cb
W cmt cb			1.50	146.00	" "
		S. cb. Line Mc Call			
E. Line	San G.		2.50	145.00	
		S. Line Mc Call			
W cmt cb			2.53	144.97	
E dirt cb			2.6	144.9	

		30'S		147.50	
W. cb			2.55	144.95	cmt cb
E cb = E. Line			3.3	144.20	dirt cb
	63.5 S = S end cmt cb on W				
E. cb	= E. Line		4.35	143.15	dirt cb
W cb			3.43	144.07	cmt cb
		150'S			
W. cb			6.1	141.40	dirt cb.
E " = E. Line			6.0	141.50	" "
	280'S = S. End dirt cb on E				
E. cb	= E. Line		8.0	139.50	dirt cb
	296.5 S = S End dirt cb on W				
W. cb			9.5	138.00	dirt cb

Point Loma High School
Grounds - J.C. Bliss
5-22-29



800
280
1080

42
28
70

459.20
442.70
16.50

211.36
70
141.36

1200
210
1410.9

50
75
100
140
160
175
200
215
245
270
300

200.18
199.65
140.00
200.17
211.36
951.36

800
210
1010

9.51
59
101.0

201.55
55.45
257.00

TRAVERSE TABLE FOR TRANSIT BOOK.

From 1° to 90° for a distance of 100.

Degrees.	DEGREES.		¼ DEGREE.		½ DEGREE.		¾ DEGREE.		Degrees.
	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	
0			100.00	0.44	100.00	0.87	99.99	1.31	89
1	99.98	1.75	99.98	2.18	99.97	2.62	99.95	3.05	88
2	99.94	3.49	99.92	3.93	99.91	4.36	99.88	4.80	87
3	99.86	5.23	99.84	5.67	99.81	6.10	99.79	6.54	86
4	99.76	6.98	99.73	7.41	99.69	7.85	99.66	8.28	85
5	99.62	8.72	99.58	9.15	99.54	9.58	99.50	10.02	84
6	99.45	10.45	99.41	10.89	99.36	11.32	99.31	11.75	83
7	99.25	12.19	99.20	12.62	99.14	13.05	99.09	13.49	82
8	99.03	13.92	98.97	14.35	98.90	14.78	98.84	15.21	81
9	98.77	15.64	98.70	16.07	98.63	16.50	98.56	16.93	80
10	98.48	17.36	98.40	17.79	98.33	18.22	98.25	18.65	79
11	98.16	19.08	98.08	19.51	97.99	19.94	97.90	20.36	78
12	97.81	20.79	97.72	21.22	97.63	21.64	97.53	22.07	77
13	97.44	22.50	97.34	22.92	97.24	23.34	97.13	23.77	76
14	97.03	24.19	96.92	24.62	96.81	25.04	96.70	25.46	75
15	96.59	25.88	96.48	26.30	96.36	26.72	96.25	27.14	74
16	96.13	27.56	96.00	27.98	95.88	28.40	95.76	28.82	73
17	95.63	29.24	95.50	29.65	95.37	30.07	95.24	30.49	72
18	95.11	30.90	94.97	31.32	94.83	31.73	94.69	32.14	71
19	94.55	32.56	94.41	32.97	94.26	33.38	94.12	33.79	70
20	93.97	34.20	93.82	34.61	93.67	35.02	93.51	35.43	69
21	93.36	35.84	93.20	36.24	93.04	36.65	92.88	37.06	68
22	92.72	37.46	92.55	37.86	92.39	38.27	92.22	38.67	67
23	92.05	39.07	91.88	39.47	91.71	39.87	91.53	40.27	66
24	91.35	40.67	91.18	41.07	91.00	41.47	90.81	41.87	65
25	90.63	42.26	90.45	42.66	90.26	43.05	90.07	43.44	64
26	89.88	43.84	89.69	44.23	89.49	44.62	89.30	45.01	63
27	89.10	45.40	88.90	45.79	88.70	46.17	88.50	46.56	62
28	88.29	46.95	88.09	47.33	87.88	47.72	87.67	48.10	61
29	87.46	48.48	87.25	48.86	87.04	49.24	86.82	49.62	60
30	86.60	50.00	86.38	50.38	86.16	50.75	85.94	51.13	59
31	85.72	51.50	85.49	51.88	85.26	52.25	85.04	52.62	58
32	84.80	52.99	84.57	53.36	84.34	53.73	84.10	54.10	57
33	83.87	54.46	83.63	54.83	83.39	55.19	83.15	55.56	56
34	82.90	55.92	82.66	56.28	82.41	56.64	82.16	57.00	55
35	81.92	57.36	81.66	57.71	81.41	58.07	81.16	58.42	54
36	80.90	58.78	80.64	59.13	80.39	59.48	80.13	59.83	53
37	79.86	60.18	79.60	60.53	79.34	60.88	79.07	61.22	52
38	78.80	61.57	78.53	61.91	78.26	62.25	77.99	62.59	51
39	77.71	62.93	77.44	63.27	77.16	63.61	76.88	63.94	50
40	76.60	64.28	76.32	64.61	76.04	64.94	75.76	65.28	49
41	75.47	65.61	75.18	65.93	74.90	66.26	74.61	66.59	48
42	74.31	66.91	74.02	67.24	73.73	67.56	73.43	67.88	47
43	73.14	68.20	72.84	68.52	72.54	68.84	72.24	69.15	46
44	71.93	69.47	71.63	69.78	71.33	70.09	71.02	70.40	45
45	70.71	70.71							
Degrees.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Dep.	Lat.	Degrees.
	DEGREES.		¾ DEGREE.		½ DEGREE.		¼ DEGREE.		

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