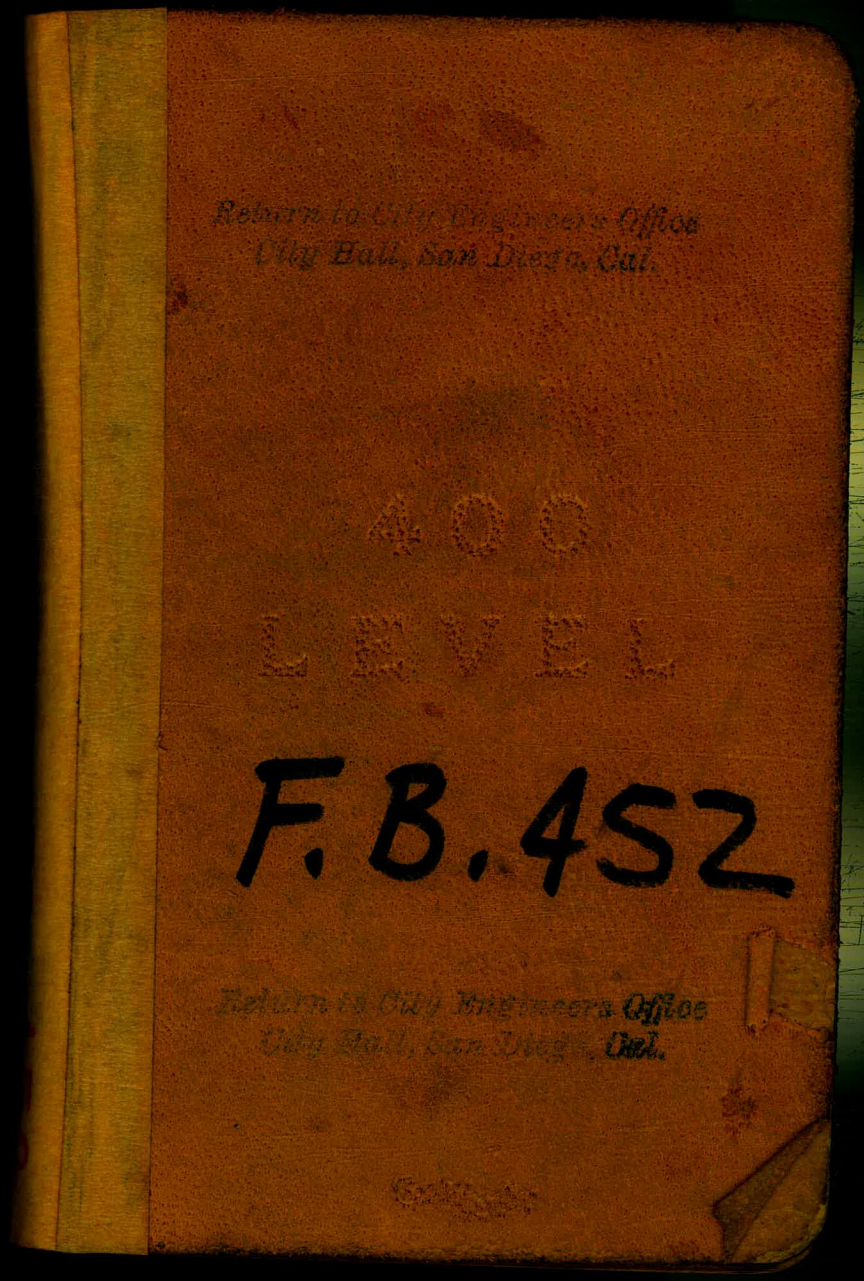
Return to City Engineers Office
City Hall, San Diego, Cal.
400
LEVEL
F.B.452
Return to City Engineers Office
City Hall, San Diego, Cal.

Published by H. S. Crocker Company, Stationers, Drawing Materials, and Mathematical Instruments, San Francisco.

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

452

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

MICR... TIMED DEC 10 1964

TABLE FOR RUNNING ON SLOPES.

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

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

Crocker Quality

LEVEL BOOK

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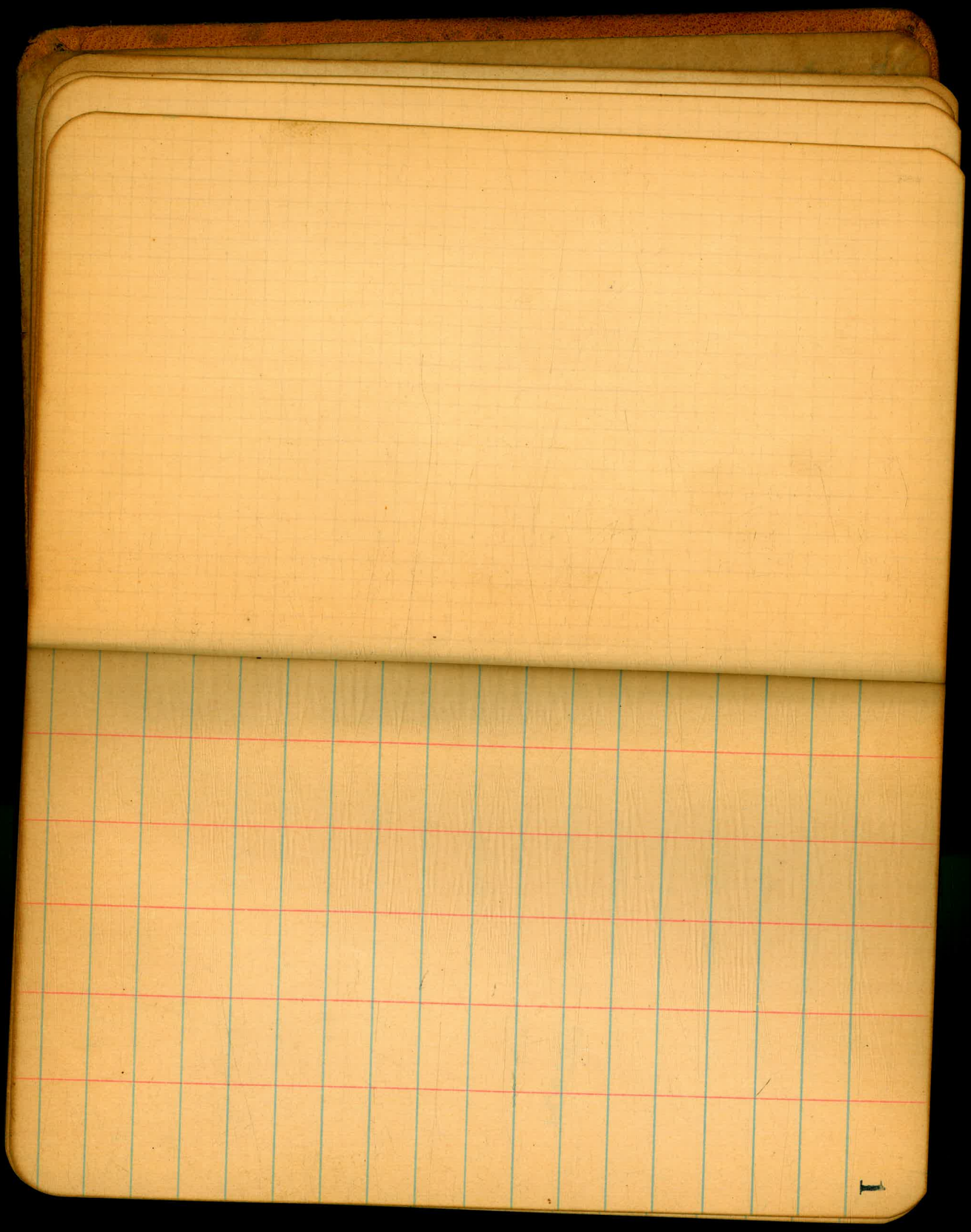


Levels on Florida-University To U Pas Dunstan
Florida 80' wide 2/15/09 Shaw
Lambert

B.M. = Mon N.E. Univ. & Alabama			265.57	
B.M	9.43	275.00	265.57	
T.P.	12.18	286.81	0.37	274.63
T.P.	11.42	296.91	1.32	285.49
	S.L. University Ave			
W			3.5	293.4
ctr			10.9	286.0
E			13.0	283.9
		0+25		
E			20.8	276.1
ctr			11.1	285.8
W			4.0	292.9
		0+50		
W			3.6	293.3
ctr			11.7	285.2
E			20.7	276.2
		0+75		
E			21.4	275.5
ctr			11.9	285.0
W			2.9	294.0

POSTED

		1+0		
W			2.1	294.8
ctr			11.7	285.2
E			21.8	275.1
		1+25		
E			21.2	275.7
ctr			10.5	286.4
W			0.1	296.8
T.P.	7.74	302.99	1.66	295.25
		1+50		
W			3.7	299.3
ctr			15.2	287.8
E			25.9	277.1
		1+75		
E			26.0	277.0
ctr			14.6	288.4
W			3.2	299.8

302.99

2+0

W	2.2	300.8
ctr	13.4	289.6
E	26.6	276.4

2+25

E	26.8	276.2
ctr	13.9	289.1
W	1.5	301.5

2+50

W	1.3	301.7
ctr	13.0	290.0
E	26.4	276.6

2+75

E	26.3	276.7
ctr	12.9	290.1
W	0.2	302.8

3+0

W	0.1	302.9
ctr	13.5	289.5
E	26.2	276.8

3+25

E	26.0	277.0
ctr	13.7	289.3
W	1.6	301.4

3+50

W	1.4	301.6
ctr	12.9	290.1
E	25.4	277.6

3+75

E	24.6	278.4
ctr	12.7	290.3
W	3.0	300.0

		302.99		
		4+0		
W			4.3	298.7
ctr			13.5	289.5
E			24.1	278.9
		4+25		
E			22.4	280.6
ctr			13.7	289.3
W			5.9	297.1
		4+50		
W			6.4	296.6
ctr			14.2	288.8
E			22.0	281.0
T.P.	6.85	296.84	13.00	289.99
		4+75		
E			14.4	282.4
M			8.4	288.4
W			0.9	295.9

		296.84		
		5+0		
W			2.0	294.8
ctr			8.9	288.4
E			13.2	283.6
		5+25		
E			15.3	281.5
ctr			8.9	287.9
W			3.7	293.1
		5+50		
W			6.3	290.5
ctr			11.5	285.3
E			16.6	280.2
		5+75		
E			17.5	279.3
ctr			14.0	282.8
W			9.0	287.8
T.P.	0.55	285.31	12.08	284.76

285.31

6+0

W		0.6	284.7
ctr		4.6	280.7
E		7.1	278.2

6+44 = W.L. Robinson 80' rt.

E		9.7	275.6
ctr		8.2	277.1
W		6.1	279.2

Center Robinson

W		10.7	274.6
ctr		11.3	274.0
E		11.5	273.8
T.P.	1.17	12.44	272.89

S.L. Robinson

E		7.6	271.4
ctr		3.1	270.9
W		2.8	271.2

274.04

0+25

W		5.2	268.8
ctr		4.8	269.2
E		4.0	270.0

0+50

E		5.6	268.4
ctr		7.1	266.9
W		7.5	266.5

0+75

W		11.0	263.0
ctr		9.5	264.5
E		7.6	266.4

1+0

E		10.9	263.1
ctr		12.3	261.7
W		13.0	261.0
T.P.	0.69	12.75	261.29

	261.98		
	1+25		
W		4.1	257.9
ctr		3.7	258.3
E		0.0	259.0
	1+50		
E		14.6	247.4
ctr		14.2	247.8
W		11.3	250.7
	1+75		
W		9.5	252.5
ctr		18.5	243.5
E		22.9	239.1
	2+0		
E		23.9	238.1
ctr		13.4	248.6
W		6.0	256.0

	2+25		
W	261.98	4.4	257.6
ctr		8.7	253.3
E		23.2	238.8
	2+50		
E		21.1	237.9
ctr		7.5	254.5
W		2.7	259.3
	2+75		
W		2.4	259.6
ctr		11.5	250.5
E		26.0	236.0
	3+0		
E		27.1	234.9
ctr		14.1	247.9
W		2.5	259.5

	261.98		
	3+25		
W		3.3	258.7
ctr		12.7	249.3
E		28.3	233.7
	3+50		
E		27.9	234.1
ctr		9.4	252.6
W		4.5	257.5
	3+75		
W		5.8	256.2
ctr		7.7	254.3
E		23.7	238.3
	4+0		
E		16.8	245.2
ctr		7.6	254.4
W		7.2	254.8

	4+25		
W		8.2	253.8
ctr		8.5	253.5
E		10.5	251.5
	4+50		
E		10.3	251.7
ctr		9.8	252.2
W		10.0	252.0
	4+75		
W		10.8	251.2
ctr		11.2	250.8
E		11.2	250.8
	5+0		
E		13.3	248.7
ctr		12.2	249.8
W		12.3	249.7
T.P.	1.67	250.98	12.67 249.31

250.98

5+25

W	2.5	248.5
ctr	2.0	249.0
E	3.4	247.6

5+50

E	4.2	246.8
ctr	3.1	247.9
W	3.4	247.6

5+75

W	5.3	245.7
ctr	5.0	246.0
E	5.6	245.4

6+0

E	6.9	244.1
ctr	7.1	243.9
W	8.1	242.9

6+25

W	11.3	239.7
ctr	9.6	241.4
E	9.3	241.7

6+50

E	12.0	239.0
ctr	13.1	237.9
W	14.8	236.2

6+79.5 = N.L. Cypress

W	19.6	231.4
ctr	18.8	232.2
E	18.7	232.3

Center Cypress

E	26.3	224.7
ctr.	21.1	229.9
W	16.4	234.6
T. P.	0.73	239.68	12.03	238.95

239.68

S.L. Cypress

W	0.7	239.0
ctr	5.0	234.7
E	11.9	227.8
0+25		
E	11.4	228.3
ctr	6.1	233.6
W	1.7	238.0
0+50		
W	3.0	236.7
ctr	8.6	231.1
E	11.9	227.8
0+75		
E	16.2	223.5
ctr	9.9	229.8
W	4.5	235.2

1+0

W	5.1	234.6
ctr	11.1	228.6
E	18.0	221.7
1+25		
E	20.8	218.9
ctr	14.6	225.1
W	6.5	233.2
1+50		
W	8.0	231.7
ctr	14.6	225.1
E	23.0	216.7
1+75		
E	23.6	216.1
ctr	17.7	222.0
W	11.6	228.1
T.P.	0.17	227.32
	12.53	227.15

	227.32		
	2+0		
W		+0.9	228.2
ctr		8.6	218.7
E		13.1	214.2
	2+25		
E		15.4	211.9
ctr		10.0	217.3
W		2.8	224.5
	2+50		
W		5.1	222.2
ctr		12.4	214.9
E		18.3	209.0
	2+75		
E		18.8	208.5
ctr		17.7	209.6
W		8.0	219.3

	3+0		
W		11.6	215.7
ctr		19.8	207.5
E		19.3	208.0
	3+25		
E		19.7	207.6
ctr		20.1	207.2
W		13.2	214.1
T.P.	3.02	217.33	13.01	214.31
	3+50		
W		1.1	216.2
ctr		10.8	206.5
E		9.9	207.4
	3+75		
E		10.3	207.0
ctr		11.5	205.8
W		1.0	216.3

POSTED

	217.33		
	4+0		
W		3.8	213.5
ctr		11.9	205.4
E		10.2	207.1
	4+25		
E		10.8	206.5
ctr		11.4	205.9
W		5.3	212.0
	4+50		
W		6.8	210.5
ctr		11.8	205.5
E		11.5	205.8
	4+75		
E		11.5	205.8
ctr		12.2	205.1
W		11.4	205.6

		5+0		
W			14.8	202.5
ctr			12.3	205.0
E			11.8	205.5
T.P	2.61	208.18	11.76	205.57
		5+25		
E			2.2	206.0
ctr			3.9	204.3
W			4.2	204.0
		5+50		
W			5.4	202.8
ctr			4.3	203.9
E			2.5	205.7
		5+75		
E			2.2	206.0
ctr			5.1	203.1
W			6.0	202.2

208.18

6+0

W	6.7	201.5
ctr	5.5	202.7
E	2.0	206.2

6+25

E	2.3	205.9
ctr	5.5	202.7
W	6.8	201.4

6+50

W	6.5	201.7
ctr	6.0	202.2
E	3.2	205.0

6+79.5 = N.L. Myrtle

E	4.6	203.6
ctr	6.0	202.2
W	8.7	199.5

Center

W	9.1	199.1
ctr	7.9	200.8
E	6.7	201.5

S.L. Myrtle

E	6.9	201.3
ctr	8.8	199.4
W	7.3	200.9

0+25 S

W	7.3	200.9
ctr	8.1	200.1
E	7.5	200.7

0+50

E	7.7	200.5
ctr	8.7	199.5
W	8.1	200.1

		208.18		
		0+75		
W			8.6	199.6
ctr			9.7	198.5
E			8.7	199.5
		1+0		
E			11.8	196.4
ctr			12.8	195.4
W			1.5	206.7
T. P.	1.30	207.02	2.41	205.77
		1+25		
W			1.8	205.3
ctr			4.6	201.5
E			10.3	196.8
		1+50		
E			9.5	197.6
ctr			6.6	200.5
W			2.5	204.6

		207.07		
		1+75		
W			4.3	202.8
ctr			8.9	198.2
E			11.9	195.2
		2+0		
E			13.0	194.1
ctr			10.6	196.5
W			6.5	200.6
		2+25		
W			10.9	196.2
ctr			10.7	197.0
E			10.1	197.0
		2+50		
E			10.5	196.6
ctr			10.6	196.5
W			11.3	195.8

207.07
2775

W	12.0	195.1
ctr	10.6	196.5
E,	10.9	196.2

2797.5 = N. L. U P.S.

E	11.4	195.7
ctr	11.3	195.8
W	12.1	195.0

Hole N.W. Cor. U P.S. Florida 12.13 194.94

POSTED

Levels on Mississippi University 2/16/08 Dunkle
To Park Line 80' wide Shaw
B.M. R.R. Spike cor Univ & Mississippi 283.15 Lambert

B.M.	8.97	292.12	283.15
S.E. University			
W		8.4	283.7
ctr		6.2	286.9
E		4.8	287.3
0+25 S			
E		4.8	287.3
ctr		6.3	285.8
W		7.8	284.3
0+50			
W		7.9	284.2
ctr		6.3	285.8
E		5.0	287.1
0+75			
E		5.3	286.8
ctr		6.3	285.8
W		8.0	284.1
1+0			
W		7.9	284.2
ctr		6.7	285.4
E		5.1	287.0
1+25			
E		6.1	286.0
ctr		6.8	285.3
W		8.3	283.8
1+50			
W		8.8	283.3
ctr		7.3	284.8
E		5.9	286.2
1+75			
E		6.2	285.9
ctr		7.5	284.6
W		8.9	283.2

POSTED
POSTED

292.12

2+0

W		9.0	283.1
ctr		7.9	284.2
E		6.5	285.6

2+25

E		6.9	285.2
ctr		8.1	284.0
W		9.3	282.8

2+50

W		9.7	282.4
ctr		8.0	284.1
E		6.7	285.4

2+75

E		7.2	284.9
ctr		8.5	283.6
W		9.8	282.3

2+98 = N.L. Wightman St 60' wide

W		10.1	282.0
ctr		8.5	283.6
E		7.5	284.6

Center

E		7.9	284.2
ctr		8.6	283.5
W		10.5	281.6

S.L. Wightman

W		11.0	281.1
ctr		9.3	282.8
E		8.1	284.0
T.P.	3.68	287.69	8.11	284.01

0+25 S

E		4.3	283.4
ctr		5.2	282.5
W		6.8	280.9

287.69

0+50 S

W	7.3	280.4
ctr	5.6	282.1
E.	4.8	282.9

0+75

E	5.3	282.4
ctr	6.4	281.3
W	7.6	280.1

1+0

W	8.3	279.4
ctr	7.4	280.3
E	6.3	281.4

1+25

E	7.3	280.4
ctr	7.9	279.8
W	9.1	278.6

1+50

W	9.9	277.8
ctr	9.3	278.4
E	8.6	279.1

1+75

E	10.2	277.5
ctr	10.9	277.3
W	11.0	276.7

2+0

W	12.5	275.2
ctr	12.0	275.7
E.	11.8	275.9
T.P.	1.65 276.66	12.68 275.01

2+25

E	2.5	274.2
ctr	2.9	273.8
W	3.3	273.4

		276.66		
		2+50		
W			4.6	272.1
ctr			4.6	272.1
E.			4.4	272.3
		2+75		
E			6.7	270.0
ctr			6.5	270.2
W			6.3	270.4
		3+0		
W			8.3	268.4
ctr			9.4	267.3
E			9.9	266.8
		3+25		
E			13.5	263.2
ctr			12.5	264.2
W			11.5	265.2
T. P.	0.87	265.22	12.31	264.35

		265.22		
		3+50		
W			3.1	262.1
ctr			4.6	260.6
E.			5.2	260.0
		3+75		
E			11.1	254.1
ctr			9.2	256.0
W			7.0	258.2
		4+0		
W			9.9	255.3
ctr			19.1	246.1
E			17.2	248.0
		4+25		
E			19.9	245.3
ctr			21.1	244.1
W			20.9	244.3

		265.22		
		4+50		
W			24.5	240.7
ctr			18.8	246.4
E			11.0	254.2
		4+75		
E			5.7	259.5
ctr			14.6	250.6
W			24.2	241.0
		5+0		
W			22.2	243.0
ctr			10.0	255.2
E			2.9	262.3
T. P.	12.21	277.30	0.13	265.09
		5+25		
E			10.9	266.4
ctr			18.3	259.0
W			25.1	252.2

		5+50		
W			17.0	260.3
ctr			13.0	264.3
E			7.8	269.5
		5+75		
E			4.8	272.5
ctr			9.7	267.6
W			12.1	265.2
		6+03.8 = N. L. Landis, 60' wide		
W			7.6	269.7
ctr			5.7	271.6
E			3.1	274.2
		Center Landis		
E			1.8	275.5
ctr			3.9	273.4
W			6.2	271.1

277.20

S.L. Landis

W		5.3	272.0
ctr		2.6	274.7
E		0.3	277.0
T.P.	5.68	282.66	0.32	276.98

0+25.5

E		4.4	278.3
ctr		7.2	275.5
W		10.0	272.7

0+50

W		9.1	273.6
ctr		6.4	276.3
E		3.6	279.1

0+75

E		3.5	279.2
ctr		6.2	276.5
W		9.0	273.7

1+0

W		9.0	273.7
ctr		6.4	276.3
E		3.9	278.8

1+25

E		3.9	278.8
ctr		6.2	276.5
W		8.7	274.0

1+50

W		8.1	274.6
ctr		5.5	277.2
E		3.4	279.3

1+75

E		3.5	279.2
ctr		5.4	277.3
W		7.7	275.0

282.66

2+0

W	7.2	275.5
ctr	5.3	277.4
E	3.5	279.2

2+25

E	3.4	279.3
ctr	5.0	277.7
W	6.9	275.8

2+50

W	6.6	276.1
ctr	5.0	277.7
E	3.6	279.1

2+75

E	9.0	278.7
ctr	5.5	277.2
W	6.9	275.8

3+0

W	8.2	274.5
ctr	6.5	276.2
E	4.6	278.1

3+25

E	5.5	277.2
ctr	8.0	274.7
W	9.9	272.8

3+50

W	11.9	270.8
ctr	9.5	273.2
E	7.2	275.5

3+75

E	8.8	273.9
ctr	11.3	271.4
W	14.9	268.3

T.P. 2.71 273.00 12.37 270.29

		273.00		
		4+0		
W			8.5	265.5
ctr			3.8	269.2
E			0.5	272.5
		4+25		
E			4.8	268.2
ctr			9.7	263.3
W			14.5	258.5
		4+50		
W			23.8	249.2
ctr			17.0	256.0
E			15.7	257.3
		4+75	~~[illegible]~~	
E			11.6	261.4
ctr			20.3	252.7
W			17.7	255.3

		5+0		
W			6.7	266.3
ctr			13.0	260.0
E			8.8	264.2
		5+25		
E			12.0	261.0
ctr			6.8	266.2
W			+0.7	273.7
T.P.	10.95	283.40	0.55	272.45
		5+50		
W			6.8	276.6
ctr			10.7	272.7
E			17.9	265.5
		5+75		
E			12.7	270.7
ctr			7.3	276.1
W			5.8	277.6

283.40

6+00 = N.L. Dwight 60' wide

W	5.2	278.2
ctr	6.0	277.4
E,	9.8	273.6

Center

E	7.9	275.5
ctr	5.3	278.1
W	5.0	278.4

S.L. Dwight.

W	5.1	278.3
ctr	4.9	278.5
E	6.6	276.8

0+25' S

E	5.7	277.7
ctr	4.8	278.6
W	5.2	278.2

0+50' S

W	5.4	278.0
ctr	4.8	278.6
E	5.2	278.2

0+75

E	5.0	278.4
ctr	4.6	278.8
W	5.8	277.6

1+0

W	6.1	277.3
ctr	4.8	278.6
E	5.0	278.4

1+25' S

E	5.1	278.3
ctr	5.3	278.1
W	6.6	276.8

283.40

1+50

W	7.1	276.3
ctr	6.1	277.3
E	5.4	278.0

1+75

E	5.6	277.8
ctr	6.7	276.7
W	7.9	275.5

2+0

W	8.7	274.7
ctr	6.6	276.8
E	5.5	277.9

2+25

E	5.5	277.9
ctr	7.2	276.2
W	8.6	274.8

2+50

W	8.4	275.0
ctr	7.1	276.3
E	5.4	278.0

2+75

E	5.4	278.0
ctr	7.1	276.3
W	8.5	274.9

3+0

W	8.4	275.0
ctr	7.0	276.4
E	5.5	277.9

POSTED

3+25

E	5.7	277.7
ctr	7.1	276.3
W	8.7	274.7

283.40

3+50

W	9.1	274.3
ctr	7.2	276.2
E	5.9	277.5

3+75

E	6.1	277.3
ctr	7.6	275.8
W	9.0	274.4

4+0

W	9.3	274.1
ctr	7.3	276.1
E	6.3	277.1

TP 6.68 287.19 7.89 279.51

4+25

E	5.4	276.8
ctr	6.6	275.6
W	8.2	274.0

282.19

4+50

W	8.2	274.0
ctr	6.5	275.7
E	5.4	276.8

4+75

E	5.0	277.2
ctr	6.9	275.8
W	8.0	274.2

5+0

W	8.0	274.2
ctr	6.3	275.9
E	5.0	277.2

5+25

E	5.2	277.0
ctr	6.5	275.7
W	8.1	274.1

282.19

5+50

W	8.4	273.8
ctr	6.5	275.7
E.	5.3	276.9

5+75

E	5.5	276.7
ctr	6.7	275.5
W	8.5	273.7

6+00 \ 7 = N.L. Myrtle = 6.5' wide

W	9.4	272.8
ctr	7.0	275.2
E	5.8	276.4

Center

E	6.4	275.8
ctr	7.8	274.4
W	10.9	271.3

S.L. Myrtle

W	12.3	269.9
ctr	9.2	273.0
E.	7.2	275.0

0+25

E	8.2	274.0
ctr	10.7	271.5
W	14.8	267.4

0+50

W	23.2	259.0
ctr	13.2	269.0
E	10.6	271.6
T.P.	1.28 271.02	12.45 269.74

0+75

E	6.5	264.5
ctr	11.5	259.2
W	24.7	246.3

271.02

1+00

W		19.8	251.2
ctr		24.2	246.8
E		17.2	253.8

1+25

E		14.8	256.2
ctr		12.7	258.3
W		8.9	262.1

1+50 —

W		+1.2	272.2
ctr		-1.3	269.7
E		2.5	268.5
T.P.	10.40	279.62	1.80 269.22

1+75

E		4.8	274.8
ctr		5.8	273.8
W		6.7	272.9

2+00

W		6.4	273.2
ctr		5.0	274.6
E		4.2	275.4

2+25

E		9.1	275.5
ctr		5.0	274.6
W		6.2	273.4

2+50

W		6.0	273.6
ctr		4.9	274.7
E		4.2	275.4

2+77.5 = Park Line

E		4.0	275.6
ctr		4.9	274.7
W		6.1	273.5
Hub W.L. Miss. Bank		6.15	273.4

POSTED

Levels Louisana St University
To Park Line 80' wide
B.M. A.R. SPK Cor Louisana & University 297.13

Dunkle
Shaw
Lambert

B.M.	2.80	299.93		297.13	
	S.L. University				
W			4.9	295.0	
ctr			3.6	296.3	
E			1.4	298.5	
		0+25	S		
E			1.1	298.8	
ctr			3.3	296.6	
W			5.1	294.8	
		0+50			
W			5.4	294.5	
ctr			3.6	296.3	
E			1.4	298.5	
		0+75			
E			1.7	298.2	
ctr			3.7	296.2	
W			5.8	294.1	

POSTED

		1+0			
W			6.0	293.9	
ctr			4.4	295.5	
E			1.9	298.0	
		1+25			
E			2.3	297.6	
ctr			4.6	295.3	
W			6.5	293.4	
		1+50			
W			6.5	293.4	
ctr			4.6	295.3	
E			2.9	297.0	
		1+75			
E			3.1	296.8	
ctr			5.6	294.3	
W			7.0	292.9	

299.93

2+0

W	7.5	292.4
ctr	5.9	294.0
E	3.0	296.9

2+25

E	4.0	295.9
ctr	6.0	293.9
W	7.7	292.2

2+50

W	8.3	291.6
ctr	10.6	293.3
E	4.6	295.3

2+75

E	5.1	294.8
ctr	7.3	292.6
W	8.9	291.0

3+0 = N.L. Wightman 60' wide

W	9.5	290.4
ctr	8.0	291.9
E	5.9	294.0

center

E	7.5	292.4
ctr	9.4	290.5
W	10.6	289.3

S.L. Wightman 5ft

W	12.1	287.8
ctr	10.1	289.8
E	8.5	291.4

POSTED

3+25 S

E	9.1	290.8
ctr	11.7	288.2
W	13.1	286.8

		299.93		
		0+50		
W			14.3	285.6
ctr			12.4	287.5
E			9.9	290.0
		0+75		
E			11.1	288.8
ctr			13.5	286.4
W			15.2	284.7
		1+0		
W			16.3	283.6
ctr			14.8	285.1
E			12.5	287.4
T.P.	0.40	288.00	12.33	287.60
		1+25		
E			2.3	285.7
ctr			4.1	283.9
W			5.5	282.5

		288.00		
		1+50		
W			6.9	281.1
ctr			5.7	282.3
E			4.6	283.4
		1+75		
E			8.6	279.4
ctr			9.4	278.6
W			9.2	278.8
		2+0		
W			10.8	277.2
ctr			12.2	275.8
E			13.0	275.0
		2+25		
E			21.1	266.9
ctr			14.6	273.4
W			12.5	275.5
T.P	0.97	276.18	12.79	275.21

276.18

2+50

W	2.7	273.5
ctr	3.4	272.8
E	18.6	257.6

2+75

E	18.7	257.5
ctr	5.3	270.9
W	5.9	270.3

3+0

W	9.9	266.3
ctr	12.8	263.4
E	19.3	256.9

3+25

E	17.7	258.5
ctr	19.8	256.4
W	15.2	261.0

3+50

W	21.2	255.0
ctr	20.4	255.8
E	10.6	265.6

3+75

E	3.7	272.5
ctr	10.3	265.9
W	17.1	259.1

4+0

W	7.8	268.4		
ctr	2.9	273.3		
T.P.	12.72	288.88	0.02	276.16
E	10.7	278.2		

4+25

E	7.5	281.4
ctr	11.7	277.2
W	15.2	273.7

288.88

4+50

W	10.0	278.9
ctr	8.1	280.8
E	5.0	283.9

4+75

E	3.1	285.8
ctr	5.1	283.8
W	6.7	282.2

5+0

W	4.3	2846
ctr	3.6	285.3
E	2.2	286.7

5+25

E	1.4	287.5
ctr	2.4	286.5
W	3.8	285.1
T. P.	5.22 292.40	1.70 287.18

292.40

5+50

W	6.9	285.5
ctr	5.3	287.1
E	4.2	288.2

5+75

E	3.3	289.1
ctr	5.0	287.4
W	7.0	285.4

6+03 S = N.L. Landis St 60' wide

W	6.9	285.5
ctr	5.1	287.3
E	3.4	289.0

Center

E	3.7	288.7
ctr	5.4	287.0
W	6.7	285.7

292.40

S. L. Landis St

W	6.4	286.0
ctr	5.4	287.0
E	3.9	288.5

0+25'S

E	4.4	288.0
ctr	5.2	287.2
W	6.1	286.3

0+50

W	5.5	286.9
ctr	5.5	286.9
E	4.6	287.9

0+75

E	4.4	288.0
ctr	5.4	287.0
W	5.3	287.1

1+0

W	5.3	287.1
ctr	5.0	287.4
E	4.7	287.7

1+25

E	4.6	287.8
ctr	4.8	287.6
W	5.2	287.2

1+50

W	5.6	286.8
ctr	5.1	287.3
E	4.9	287.5

1+75

E	5.3	287.1
ctr	5.6	286.8
W	6.1	286.3

	292.40		
	2+00		
W		6.4	286.0
ctr		6.1	286.3
E		5.3	287.1
	2+25		
E		5.9	286.5
ctr		6.3	286.1
W		6.6	285.8
	2+50		
W		6.9	285.5
ctr		6.4	286.0
E		6.5	285.9
	2+75		
E		6.4	286.0
ctr		6.6	285.8
W		7.2	285.2

	3+00		
W	292.40	7.3	285.1
ctr		6.9	285.5
E		6.5	285.9
	3+25		
E		6.7	285.7
ctr		7.0	285.4
W		8.1	284.3
	3+50		
W		8.5	283.9
ctr		7.2	285.2
E		7.6	284.8
	3+75		
E		7.8	284.6
ctr		7.3	285.1
W		9.1	283.3

POSTED

292.40

4+0

W	9.7	282.7
ctr	7.2	285.2
E	7.7	284.7

4+25

E	8.1	284.3
ctr	8.0	284.4
W	10.1	282.3

4+50

W	10.5	281.9
ctr	9.1	283.3
E	7.8	284.6

4+75

E	8.7	283.7
ctr	8.6	283.8
W	11.2	281.2

5+0

W	10.4	282.0
ctr	10.2	282.2
E	8.2	284.2

5+25

E	8.4	284.0
ctr	9.6	282.8
W	10.5	281.9

5+50

W	10.6	281.8
ctr	9.1	283.3
E	9.0	283.4

5+75

E	9.1	283.3
ctr	10.1	282.3
W	10.6	281.8

292.40

4+00 = N.L. Dwight St 60 wide

W	11.0	281.4
ctr	10.5	281.9
E	9.2	283.2

center

E	10.1	282.3
ctr	10.9	281.5
W	11.1	281.3

S.L. Dwight

W	11.5	280.9
ctr	10.5	281.9
E	10.6	281.8

T.B. Hub. 6.51 S.W. cor Louisiana & Dwight 11.46 280.94

287.45

287.45

0+25 S of Dwight

E	5.1	282.4
ctr	6.5	281.0
W	6.8	2807

287.45

0+50 7/26/09 Dumke Ahner Lambert

W	6.6	2809
ctr	6.8	280.7
E	6.1	281.4

0+75

E	6.4	281.1
ctr	6.3	281.2
W	7.2	280.3

1+0

W	6.7	280.8
ctr	6.4	281.1
E	6.2	281.3

1+25

E	6.1	2814
ctr	6.1	2814
W	6.5	281.0

287.45

1+50

W	6.0	281.5
ctr	6.0	281.5
E	5.8	281.7

1+75

E	5.7	281.8
ctr	5.4	282.1
W	5.6	281.9

2+0

W	5.1	282.4
ctr	5.0	282.5
E	5.0	282.5

2+25

E	4.6	282.9
ctr	4.6	282.9
W	5.1	282.4

2+50

W	5.4	282.1
ctr	5.1	282.4
E	5.0	282.5

2+75

E	5.4	282.1
ctr	6.0	281.5
W	6.1	281.4

3+0

W	6.5	281.0
ctr	6.4	281.1
E	5.5	282.0

3+25

E	5.4	282.1
ctr	6.8	280.7
W	6.9	280.6

	287.45		
	3+50		
W		7.3	280.2
ctr		6.7	280.8
E		5.5	282.0
	3+75		
E		5.7	281.8
ctr		6.8	280.7
W		8.1	279.4
	4+0		
W		8.2	279.3
ctr		7.2	280.3
E		5.8	281.7
	4+25		
E		6.2	281.3
ctr		7.6	279.9
W		8.3	279.2
	4+50		
W	287.45	8.6	278.9
ctr		8.1	278.4
E		7.3	280.2
	4+75		
E		8.0	279.5
ctr		8.6	278.9
W		9.1	278.4
	5+0		
W		9.5	278.0
ctr		9.5	278.0
E		8.7	278.8
	5+25		
E		8.6	278.9
ctr		10.2	277.3
W		9.8	277.7

POSTED

287.45

5+50

W		10.2	277.3
ctr		10.3	277.2
E		9.1	278.4

5+75

E		9.7	277.8
ctr		11.1	276.4
W		10.8	276.7

6+00 = N.L. Myrtle 60' wide

W		11.1	276.4
ctr		11.7	275.8
E		10.3	277.2
T.P.	3.53	280.72	10.26	277.19

Center Myrtle

E		4.0	276.7
ctr		5.3	275.4
W		4.8	275.9

282.72

S.L. Myrtle

W		5.9	274.8
ctr		6.0	274.7
E		4.6	276.1

0+25 S of Myrtle

E		5.1	275.6
ctr		6.4	274.3
W		7.0	273.7

0+50

W		8.1	272.6
ctr		7.4	273.3
E		5.7	275.0

0+75

E		5.7	275.0
ctr		8.4	272.3
W		9.5	271.2

280.72

1+00

W	11.5	269.2
ctr	8.0	272.7
E	6.2	274.5

1+25

E	7.7	273.0
ctr	9.2	271.5
W	12.0	268.7

1+50

W	9.4	271.3
ctr	8.1	272.6
E	6.8	273.9

1+75

E	5.4	275.3
ctr	7.2	273.5
W	7.8	272.9

2+00

W	6.4	274.3
ctr	6.0	274.7
E	4.5	276.2

2+25

E	3.6	277.1
ctr	5.2	275.5
W	5.7	275.0

2+50

W	5.2	275.5
ctr	4.3	276.4
E	2.8	277.9

2+81.3 on E. side 82+80.5 on W = Park Line

E hub	2.36	278.36
ctr	3.6	277.1
W	4.6	276.1

POST

Levels on Texas - Univ. To Park line 2/26/09 Dunkle
Texas 80' wide Shaw
B.M. N.E. Univ & Texas R.R. spike pole 312.98 Lambert

B.M.	3.85	316.83	312.98
		S.L. University	
E		2.6	314.2
ctr		3.2	313.6
W		4.3	312.5
	0+25	S. of Univ	
W		4.4	312.4
ctr		3.4	313.4
E		2.6	314.2
	0+50		
E		2.7	314.1
ctr		3.9	312.9
W		4.8	312.0
	0+75		
W		5.2	311.6
ctr		4.0	312.8
E		3.4	313.4

POSTED

	1+0		
E		3.6	313.2
ctr		4.5	312.3
W		5.3	311.5
	1+25		
W		5.8	311.0
ctr		4.5	312.3
E		4.1	312.7
	1+50		
E		4.3	312.5
ctr		4.9	311.9
W		6.1	310.7
	1+75		
W		6.7	310.1
ctr		5.4	311.4
E		5.0	311.8

316.83

2+00

E	5.6	311.2
ctr	6.2	310.6
W	7.2	309.6

2+25

W	7.7	309.1
ctr	6.3	310.5
E	6.0	310.8

2+50

E	6.0	310.8
ctr	6.8	310.0
W	8.1	308.7

2+75

W	8.8	308.0
ctr	7.6	309.2
E	6.6	310.2

3+00 = N.L. Wightman 60'

E	316.83	7.5	309.3
ctr		8.0	308.8
W		9.2	307.6

center

W	9.9	306.9
ctr	8.9	307.9
E	8.8	308.0

S.L. Wightman

E	10.1	306.7
ctr	9.9	306.9
W	10.7	306.1

0+25 S. of Wightman

W	11.6	305.2
ctr	11.2	305.6
E	11.2	305.6

T.P.	2.64	307.85	11.62	305.21

		307.85		
		0+50		
E			3.7	304.2
ctr			3.5	304.4
W			4.0	303.9
		0+75		
W			5.6	302.3
ctr			5.9	302.0
E			6.3	301.6
		1+0		
E			9.4	298.5
ctr			9.3	298.6
W			8.7	299.2
T.P.	0.52	295.66	12.71	295.14
		1+25		
W			1.4	194.3
ctr			3.0	192.7
E			3.5	192.2

		295.66		
		1+50		
E			12.0	283.7
ctr			11.7	284.0
W			12.5	283.2
T.P.	0.21	283.27	12.60	283.06
		1+75		
W			12.4	270.9
ctr			9.9	273.4
E			14.2	269.1
		2+0		
E			17.4	265.9
ctr			19.5	263.8
W			17.7	265.6
		2+25		
W			19.9	263.4
ctr			15.1	268.2
E			16.7	266.6

		283.27		
		2+50		
E			9.7	273.6
ctr			9.3	274.0
W			10.7	272.6
		2+75		
W			3.7	279.6
ctr			2.4	280.9
E			0.9	282.4
T.P.	12.57	295.77	0.07	283.20
		3+0		
E			5.5	290.3
ctr			6.9	288.9
W			8.7	287.1
T.P.	12.16	307.63	0.30	295.47
		3+25		
W			14.6	293.0
ctr			12.1	295.5
E			10.9	296.7

		307.63		
		3+50		
E			6.3	301.3
ctr			5.9	301.7
W			7.8	299.8
		3+75		
W			5.8	301.8
ctr			4.5	303.1
E			4.5	303.1
		4+0		
E			4.0	303.6
ctr			4.2	303.4
W			5.5	302.1
		4+25		
W			5.2	302.4
ctr			3.8	303.8
E			3.8	303.8

307.63

4+50

E		3.2	304.4
ctr		3.6	304.0
W		5.4	302.2

4+75

W		5.2	302.4
ctr		3.4	304.2
E		3.0	304.6

5+0

E		3.2	304.4
ctr		3.2	304.4
W		4.6	303.0

5+25

W		3.8	303.8
ctr		2.6	305.0
E		2.6	305.0
T.P	6.9	311.80	7.02	305.61

311.80

5+50

E		6.0	305.8
ctr		5.6	306.2
W		6.9	304.9

5+75

W		6.3	305.5
ctr		4.3	307.5
E		4.9	306.9

6+03.8 = V.C. Landis 60'

E		3.6	308.2
ctr		4.1	307.7
W		6.3	305.5

Center

W		7.2	304.6
ctr		5.0	306.8
E		4.5	307.3

311.80

S. L. Landis

E	5.5	306.3
ctr	6.0	305.8
W	8.3	303.5

0+25's of Landis

W	9.1	302.7
ctr	7.1	304.7
E	6.6	305.2

0+50

E	7.0	304.8
ctr	7.6	304.2
W	9.6	302.2

0+75

W	10.2	301.6
ctr	8.1	303.7
E	7.8	304.0

1+0

E	8.4	303.4
ctr	8.5	303.3
W	10.9	300.9

1+25

W	11.5	300.3
ctr	8.5	303.3
E	8.5	303.3

1+50

E	8.9	302.9
ctr	9.6	302.2
W	12.8	299.0

1+75

W	13.7	298.1
ctr	10.3	301.5
E	9.0	302.8
T. P.	2.07	304.99	8.93	302.87

30494

2+00

E	2.1	302.8
ctr	3.7	301.2
W	7.2	297.7

2+25

W	8.5	296.4
ctr	4.3	300.6
E	2.1	302.8

2+50

E	2.5	302.4
ctr	4.9	300.0
W	9.5	295.4

2+75

W	10.2	294.7
ctr	5.5	299.4
E	2.7	302.2

3+00

E	30494 3.2	301.7
ctr	6.5	298.4
W	11.0	293.9

3+25

W	11.6	293.3
ctr	7.2	297.7
E	3.9	301.0

3+50

E	4.6	300.3
ctr	8.1	296.8
W	12.1	292.8

3+75

W	12.5	292.4
ctr	8.7	296.2
E	5.4	299.5

304.94

4+0

E	6.2	298.7
ctr	9.0	295.9
W	12.9	292.0

4+25

W	13.3	291.6
ctr	9.9	295.0
E	6.8	298.1

POSTED

4+50

E	7.5	297.4
ctr	10.2	294.7
W	13.8	291.1

4+75

W	14.1	290.8
ctr	10.3	294.6
E	8.2	296.7

5+0

E	8.7	296.2
ctr	10.5	294.4
W	14.0	290.9

5+25

W	14.4	290.5
ctr	10.6	294.3
E	9.0	295.9

5+50

E	9.3	295.6
ctr	10.7	294.2
W	14.9	290.0

5+75

W	15.1	289.8
ctr	10.5	294.4
E	9.5	295.4

304.94

6+0 = N.L. Dwight Co.

E	9.5	295.4
ctr	10.4	294.5
W	15.2	289.7

Center

W	15.1	289.8
ctr	10.5	294.4
E	9.7	295.2

S.L. Dwight

E	9.8	295.1
ctr	11.0	293.9
W	15.5	289.4

T.P. hub 9.83 S.E. Cor Dwight & Texas 9.75 295.19
300.02

0+25 S of Dwight

W	10.7	289.3
ctr	6.4	293.6
E.	4.7	295.3

300.02

3/2/09 Dunker Shaw Lambert 46

0+50 S

E	4.6	295.4
ctr	7.3	292.7
W	10.9	289.1

0+75

W	11.4	288.6
ctr	8.0	292.0
E	4.9	295.1

1+0

E	5.3	294.7
ctr	8.5	291.5
W	11.7	288.3

1+25

W	11.7	288.3
ctr	8.6	291.4
E	6.0	294.0

300.02

1+50

E		6.5	293.5
ctr		8.9	291.1
W		11.6	288.4

1+75

W		11.8	288.2
ctr		8.9	291.1
E		7.1	292.9

2+0

E		7.8	292.2
ctr		9.9	290.1
W		12.3	287.7

2+25

W		13.3	286.7
ctr		11.1	288.9
E		8.3	291.7

2+50

E		8.7	291.3
ctr		11.7	288.3
W		14.0	286.0
T.P.	6.84	294.17	287.33

2+75

W		8.0	286.2
ctr		6.6	287.6
E		3.8	290.4

3+0

E		4.4	289.8
ctr		7.2	287.0
W		8.0	286.2

3+25

W		8.6	285.6
ctr		7.8	286.4
E		5.0	289.2

	294.17		
	3+50		
E		5.3	288.9
ctr		9.0	285.2
W		9.5	284.7
	3+75		
W		10.4	283.8
ctr		9.3	284.9
E		5.8	288.4
	4+0		
E		6.1	288.1
ctr		9.3	284.9
W		11.4	282.8
	4+25		
W		11.6	282.6
ctr		9.7	284.5
E		6.8	287.4

	4+50		
E		7.3	286.9
ctr		10.2	284.0
W		12.1	282.1
	4+75		
W		12.2	282.0
ctr		10.2	284.0
E		7.7	286.5
	5+0		
E		7.5	286.7
ctr		10.6	283.6
W		12.1	282.1
T.P.	8.75	290.62	12.30	281.87
	5+25		
W		9.0	281.6
ctr		7.4	283.2
E		4.0	286.6

290.62

5+50

E	4.1	286.5
ctr	7.5	283.1
W	9.0	281.6

5+75

W	9.7	280.9
ctr	7.3	283.3
E	4.0	286.6

6+00.8 = N.L. Myrtle

E	4.1	286.5
ctr	7.5	283.1
W	9.9	280.7

center Myrtle

W	9.8	280.8
ctr	7.2	283.4
E	3.8	286.8

S.L. Myrtle

E	290.62	4.1	286.5
ctr		7.5	283.1
W		10.0	280.6

0+25 S. of Myrtle

W	10.0	280.6
ctr	7.5	283.1
E	4.3	286.3

0+50

E	4.6	286.0
ctr	7.5	283.1
W	9.7	280.9

0+75

W	9.7	280.9
ctr	7.8	282.8
E	5.1	285.6

290.62

1+00

E	5.9	284.7
ctr	8.0	282.6
W	9.8	280.8

1+25

W	10.3	280.3
ctr	8.4	282.2
E	6.3	284.3

1+50

E	6.6	284.0
ctr	8.4	282.2
W	10.9	279.7

1+75

W	10.6	280.0
ctr.	8.3	282.3
E	6.9	283.7

2+00

E	7.4	283.2
ctr	8.6	282.0
W	10.4	280.2

2+25

W	10.8	279.8
ctr	8.9	281.7
E	7.7	282.9

2+50

E	8.3	282.3
ctr	9.1	281.5
W	10.4	280.2

2+83.6 on W. side & 2+84.3 on E. side = Park Line

W	9.9	280.7
ctr	9.0	281.6
E	9.2	281.4

POSTED

Levels on Land is of Louisiana To 3/10/09 — Dunkle, Shaw, Lambert

Arnold " 60' wide

B.M. Rob. S.E. Cor Louisiana Land's 288.47

B.M.	12.05	300.52		288.47
	E.L. Louisiana			
S			12.1	288.4
ctr			11.9	288.6
N			11.6	288.9
	0+25 E of Louisiana			
N			10.8	289.7
ctr			11.0	289.5
S			11.4	289.1
	0+50			
S			10.6	289.9
ctr			9.9	290.6
N			9.7	290.8
	0+75			
N			8.6	291.9
ctr			8.6	291.9
S.			9.0	291.5
	1+0			
S		300.52	7.1	293.4
ctr			7.5	293.0
N			6.5	294.0
	1+25			
N			5.9	294.6
ctr			6.0	294.5
S			6.4	294.1
	1+50			
S			5.0	295.5
ctr			5.0	295.5
N			4.6	295.9
	1+75			
N			2.3	298.2
ctr			2.4	298.1
S			2.9	297.6
T.P.	10.56	310.69	0.39	300.13

POSTED

	310.69		
	2+0		
S	310.69	11.2	299.5
ctr		10.7	300.0
N		10.2	300.5
	2+25		
N		8.0	302.7
ctr		8.2	302.5
S		8.9	301.8
	2+50 = M.L. Texas 80' wide		
S		7.2	303.5
ctr		6.1	304.6
N		5.2	305.5
	center		
N		3.1	307.6
ctr		3.9	306.8
S		4.9	305.8

	E.L. Texas		
S		4.5	306.2
ctr		3.5	307.2
N		2.5	308.2
	0+25 E of Texas.		
N		3.7	307.0
ctr		4.2	306.5
S		5.2	305.5
	0+50		
S		6.9	303.8
ctr		5.9	304.8
N		5.9	304.8
	0+75		
N		9.3	301.4
ctr		10.3	300.4
S		11.0	299.7
T.P.	1.98	299.62	12.55	298.14

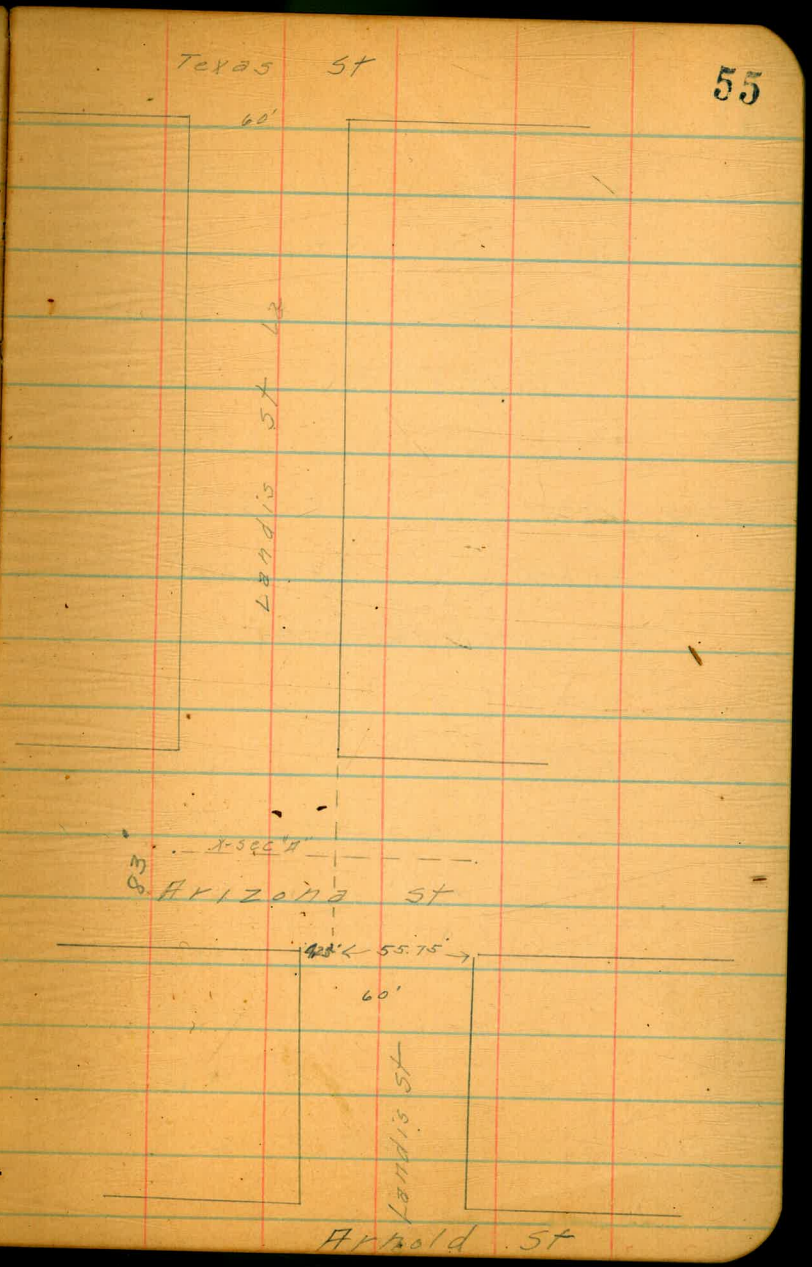
		299.62		
		1+0		
S			3.7	295.9
ctr			2.7	296.9
N			2.3	297.3
		1+25		
N			7.7	291.9
ctr			8.0	291.6
S			7.7	291.9
		1+50		
S			10.6	289.0
ctr			10.7	288.9
N			11.1	288.5
		1+75		
N			13.2	286.4
ctr			13.2	286.4
S			12.7	286.9
T.P	2.84	289.53	12.93	286.69

		289.53		
		2+0		
S			4.6	284.9
ctr			5.0	284.5
N			5.2	284.3
		2+25		
N			6.6	282.9
ctr			5.6	283.9
S			5.1	284.4
		2+51.4 = W.L. Arizona 83' wide		
S			6.1	283.4
ctr			7.0	282.5
N			8.30	281.23
See A at center Arizona. See plat p 55				
N			7.7	281.8
+ 55.75			8.0	281.5
1+75 55.75 A			7.2	282.3

289.53

E.L. Arizona Sec Plat

S	6.1	283.4
ctr	6.4	283.1
N	6.4	283.1
0+25 E of Arizona St		
N	5.6	283.9
ctr	5.9	283.6
S	5.8	283.7
0+50		
S	5.2	284.3
ctr	5.2	284.3
N	5.4	284.1
0+75		
N	5.8	283.7
ctr	4.8	284.7
S	4.5	285.0



		289.53		
		1+00		
S			3.9	285.6
ctr			4.4	285.1
N			4.4	285.1
		1+25		
N			3.9	285.6
ctr			3.5	286.0
S			3.2	286.3
		1+50		
S			2.3	287.2
ctr			2.7	286.8
N			2.7	286.8
		1+75		
N			2.0	287.5
ctr			2.3	287.2
S			1.5	288.0
T.P.	7.42	295.69	1.26	288.27

		295.69		
		2+00		
S			7.1	288.6
ctr			7.1	288.6
N			7.4	288.3
		2+25		
N			6.0	289.7
ctr			6.1	289.6
S			5.9	289.8
		2+64.5 = W.		Arnold St.
S			4.2	291.5
ctr			3.7	292.0
N			3.4	292.3

Levels. Arizona St University To Park — Dunkle, Shaw, Lambert

" 83' wide

B.M. N.W. R.R. SPK. Univ. & Arizona			301.80
B.M.	1.64	303.44	301.80
S.L. University Ave			
E		4.0	299.4
ctr		3.0	300.4
W		1.4	302.0
0+25 S of Univ.			
W		7.3	296.1
ctr		5.7	297.7
E		4.1	299.3
0+50			
E		4.1	299.3
ctr		5.2	298.2
W		8.8	294.6
0+75			
W		9.7	293.7
ctr		4.7	298.7
E		4.3	299.1

POSTED

1+0			
E		6.2	297.2
ctr		6.2	297.2
W		9.3	294.1
1+25			
W		8.9	294.5
ctr		9.5	293.9
E		7.3	296.1
1+50			
E		8.7	294.7
ctr		10.2	293.2
W		10.2	293.2
1+75			
W		11.5	291.9
ctr		10.6	292.8
E		9.7	293.7

303.44

2+0

E		10.4	293.0
ctr		11.6	291.8
W		12.9	290.5

2+25

W		10.6	292.8
ctr		12.4	291.0
E		11.4	292.0

Note – See plot P 59

2+49.8 = N.L. Wightman St E. Side Arizona

E		11.8	291.6
ctr		13.2	290.2
W		11.30	292.1
T.P.	3.29	294.03 12.70	290.74

2+79.8 = center Wightman E. Side

W		3.0	291.0
ctr		4.6	289.4
E		3.4	290.6

3+00.8 = N.L. Wightman on W. side Arizona

E	294.03	3.6	290.4
ctr		5.5	288.5
W		3.9	290.1

3+09.8 = 0+0 for 6/K. bet Wightman & Landis.
= S.L. Wightman on E. Side Arizona

W		4.3	289.7
ctr		5.9	288.1
E		3.8	290.2

POSTED

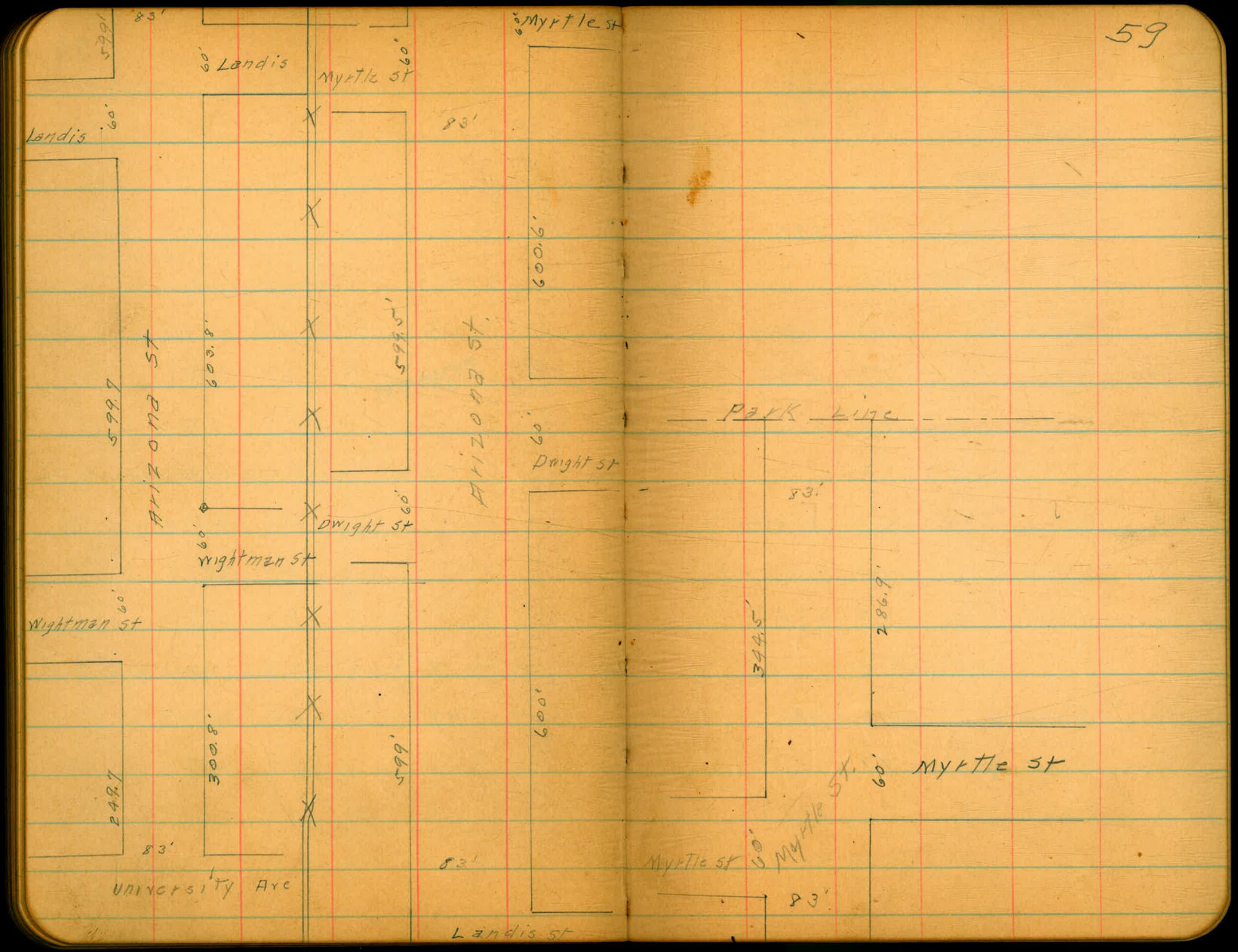
0+25 S. of S.L. Wightman on E. side Ariz.

E		4.1	289.9
ctr		6.1	287.9
W		5.7	288.3

0+51.6 = S.L. Wightman on W. side Ariz.

W		9.5	284.5
ctr		6.9	287.1
E		4.6	289.4

See P 60


Landis
Myrtle St
Landis
Arizona St
Arizona St
Dwight St
Dwight St
Wightman St
Wightman St
University Ave
Landis St
Park Line
Myrtle St
Myrtle St
Myrtle St
83'
599'
599.7
249.7
603.8'
300.8'
599.5'
599'
600.6'
600'
344.5'
286.9'
60'

294.03

0+75 S. of right man

E		5.0	289.0
ctr		7.8	286.2
W		12.8	281.2
	1+0		
W		10.3	283.7
ctr		9.3	284.7
E		5.6	288.4
	1+25		
E		6.0	288.0
ctr		10.4	283.6
W		9.9	284.1
	1+50		
W		11.3	282.7
ctr		9.9	284.1
E		6.8	287.2
T.P.	4.08	289.42	8.69	285.34

289.42

1+75

E	2.9	286.5
ctr	5.5	283.9
W	9.7	279.7
2+0		
W	12.5	276.9
ctr	5.9	283.5
E	3.7	285.7
2+25		
E	4.5	284.9
ctr	6.7	282.7
W	10.7	278.7
2+50		
W	11.7	277.7
ctr	8.0	281.4
E	5.4	284.0

289.42

2+75

E	5.9	283.5
ctr	8.9	280.5
W	12.1	277.3

3+0

W	10.6	278.8
ctr	8.0	281.4
E	5.8	283.6

3+25

E	4.9	284.5
ctr	6.4	283.0
W	9.2	280.2

3+50

W	8.1	281.3
ctr	6.0	283.4
E	4.3	285.1

3+75

E	4.3	285.1
ctr	5.8	283.6
W	7.5	281.9

4+0

W	7.8	281.6
ctr	5.9	283.5
E	4.3	285.1

4+25

E	4.8	284.6
ctr	6.2	283.2
W	8.0	281.4

4+50

W	8.1	281.3
ctr	6.2	283.2
E	4.9	284.5

289.42

4+75

E	5.1	284.3
ctr	6.5	282.9
W	8.4	281.0

5+0

W	8.3	281.1
ctr	6.7	282.7
E	4.9	284.5

5+25

E	5.3	284.1
ctr	6.4	283.0
W	7.8	281.6

5+50

W	8.8	280.6
ctr	6.6	282.8
E	6.0	283.4

5+75

E	6.6	282.8
ctr	9.1	280.3
W	9.8	279.6

5+99 = N.L. Landis on E. side Ariz. R/W

W	9.5	279.9
ctr	7.7	281.7
E	6.3	283.1

6+29 = center on E side Ariz.

E	6.3	283.1
ctr	7.7	281.7
W	9.9	279.5

6+55 = N.L. Landis on W side Ariz

W	8.20	281.2
ctr	8.20	281.2
E	6.3	283.1

289.42

6+59 7 = 0+0 for b/K. bet Landis & Dwight
= S.L. Landis on E. side Ariz

E			6.0	283.4
ctr			8.4	281.0
W			7.8	281.6
		0+25 S		
W			6.9	282.5
ctr			8.2	281.2
E			6.3	283.1
	0+55 5 = S.L. Landis on W. side Ariz			
E			6.1	283.3
Ctr			7.1	282.3
W			6.1	283.3
		0+75		
W			5.5	283.9
ctr			6.5	282.9
E			5.5	283.9

289.42

		1+0		
E			5.1	284.3
ctr			5.4	284.0
W			4.4	285.0
		1+25		
W			3.9	285.5
ctr			5.1	284.3
E			4.0	285.4
		1+50		
E			3.2	286.2
ctr			3.9	285.5
W			4.0	285.4
		1+75		
W			3.5	285.9
ctr			2.4	287.0
E			1.7	287.7
T.P.	2.76	290.28	1.90	287.52

290.28

2+0

E	1.2	289.1
ctr	2.3	288.0
W	3.5	286.8

2+25

W	2.4	287.9
ctr	2.1	288.2
E	0.5	289.8

2+50

E	1.2	289.1
ctr	1.9	288.4
W	2.8	287.5

2+75

W	2.4	287.9
ctr	1.9	288.4
E	2.0	288.3

3+0

E	2.4	287.9
ctr	2.3	288.0
W	2.2	288.1

3+25

W	2.7	287.6
ctr	2.5	287.8
E	2.7	287.6

3+50

E	3.1	287.2
ctr	3.4	286.9
W	3.8	286.5

3+75

W	3.8	286.5
ctr	4.0	286.3
E	3.7	286.6

290.25

4+00

E	4.1	286.2
ctr	4.2	286.1
W	4.1	286.2

4+25

W	4.8	285.5
ctr	4.7	285.6
E	4.4	285.9

4+50

E	4.8	285.5
ctr	5.1	285.2
W	5.2	285.1

4+75

W	5.4	284.9
ctr	5.2	285.1
E	5.0	285.3

POSTED

5+00

E	5.6	284.7
ctr	5.3	285.0
W	5.9	284.4

5+25

W	6.2	284.1
ctr	5.9	284.4
E	5.5	284.8

5+50

E	6.0	284.3
ctr	6.5	283.8
W	6.3	284.0

5+75

W	6.7	283.6
ctr	6.6	283.7
E	6.9	283.9

290.28

see Plot p 59

5+99 = N.L. Dwight on E side Ariz.

E	6.6	283.7
ctr	6.8	283.5
W	6.5	283.8

6+29 = center Dwight on E side Ariz.

W	7.0	283.3
ctr	8.0	282.3
E	7.0	283.3

6+55.5 = N.L. Dwight on W. side Ariz

E	7.4	282.9
ctr	8.5	281.8
W	7.4	282.9

6+59 = 0+0 for blk bet Dwight & Myrtle
= S.L. Dwight on E side Ariz

W	7.4	282.9
ctr	8.4	281.9
E	7.5	282.8

0+25 S

E	7.7	282.6
ctr	8.4	281.9
W	7.6	282.7

0+56.5 = S.L. Dwight on W. side Ariz

W	8.3	282.0
ctr	8.3	282.0
E	8.6	281.7

0+75

E	9.2	281.1
ctr	8.8	281.5
W	8.4	281.9

1+0

W	8.8	281.5
ctr	9.2	281.1
E	9.0	281.3

		290.25		
		1+25		
E			9.5	280.8
ctr			9.9	280.4
W			8.8	281.5
		1+50		
W			9.4	280.9
ctr			9.5	280.8
E			9.7	280.6
		1+75		
E			9.5	280.8
ctr			9.2	281.1
W			9.4	280.9
		2+0		
W			9.2	281.1
ctr			9.7	280.6
E			10.5	279.8
T.P.	7:17	286.25	11.20	279.08

		286.25		
		2+25		
E			6.6	279.7
ctr			5.2	281.1
W			5.4	280.9
		2+50		
W			5.2	281.1
ctr			6.6	279.7
E			7.4	278.9
		2+75		
E			7.3	279.0
ctr			6.6	279.7
W			5.3	281.0
		3+0		
W			4.8	281.5
ctr			6.7	279.6
E			8.0	278.3

286.25

3+25

E	8.2	278.1
ctr	5.6	280.7
W	4.7	281.6

3+50

W	4.8	281.5
ctr	7.1	279.2
E	8.8	277.5

3+75

E	9.1	277.2
ctr	7.1	279.2
W	4.9	281.4

4+0

W	5.0	281.3
ctr	7.3	279.0
E	8.6	277.7

4+25

E	9.0	277.3
ctr	7.5	278.8
W	5.0	281.3

4+50

W	4.4	281.9
ctr	7.8	278.5
E	10.3	276.0

4+75

E	10.7	275.6
ctr	8.0	278.3
W	4.5	281.8

5+0

W	4.9	281.4
ctr	8.4	277.9
E	10.4	275.9

286.25

5+25

E	11.2	275.1
ctr	8.6	277.7
W	5.4	280.9

5+50

W	5.8	280.5
ctr	9.0	277.3
E	11.8	274.5

5+75

E	12.3	274.0
ctr	9.5	276.8
W	6.5	279.8

T.P.	2.60	282.05	6.80	279.45

5+99 = N.L. Myrtle on E. side Alley

W	3.9	278.7
ctr	6.4	275.7
E	8.5	273.6

282.05

6+29 = center Myrtle on E. Side Alley

E	8.7	273.4
ctr	7.3	274.8
W	4.3	277.8

6+57 = N.L. Myrtle on W side Alley

W	5.0	277.1
ctr	8.2	273.9
E	9.1	273.0

6+59 = 9+0 for Blk Lot Myrtle to Park Line

6+59 = S.L. Myrtle on E. side Alley

E	9.3	272.8
ctr	8.2	273.9
W	5.0	277.1

0+25

W	5.7	276.4
ctr	9.0	273.1
E	10.1	272.0

POSTED

282.05

0+576 = S.L. Myrtle on W. side Ariz

E	11.0	271.1
ctr	9.4	272.7
W	6.4	275.7

0+75

W	6.6	275.5
ctr	9.7	272.4
E	11.6	270.5

1+0

E	12.3	269.8
ctr	10.0	272.1
W	6.8	275.3

1+25

W	7.1	275.0
ctr	10.4	271.7
E	12.8	269.3

282.05

1+50

E	13.1	269.0
ctr	10.8	271.3
W	7.6	274.5

1+75

W	8.0	274.1
ctr	11.0	271.1
E	13.3	268.8

2+0

E	13.3	268.8
ctr	11.0	271.1
W	8.4	273.7

2+25

W	8.9	273.2
ctr	11.2	270.9
E	13.3	268.8

	282.05		
	2+50		
E		13.8	268.3
ctr		11.7	270.4
W		9.1	273.0
	2+75		
W		9.4	272.7
ctr		11.8	270.3
E		14.4	267.7
	3+0		
E		14.5	267.6
ctr		12.0	270.1
W		9.6	272.5
	3+44.5 = Park Line		
W		9.8	272.3
ctr		11.9	270.2
E		14.4	267.7

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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.		