niversity Heights Sewer

#2

F.B. 168

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	2 1/3	21	49	41	95 2/3
2	4 2/3	22	51 1/3	42	98
3	7	23	53 2/3	43	100 1/3
4	9 1/3	24	56	44	102 2/3
5	11 2/3	25	58 1/3	45	105
6	14	26	60 2/3	46	107 1/3
7	16 1/3	27	63	47	109 2/3
8	18 2/3	28	65 1/3	48	112
9	21	29	67 2/3	49	114 1/3
10	23 1/3	30	70	50	116 2/3
11	25 2/3	31	72 1/3	51	119
12	28	32	74 2/3	52	121 1/3
13	30 1/3	33	77	53	123 2/3
14	32 2/3	34	79 1/3	54	126
15	35	35	81 2/3	55	128 1/3
16	37 1/3	36	84	56	130 1/3
17	39 2/3	37	86 1/3	57	133
18	42	38	88 2/3	58	135 1/3
19	44 1/3	39	91	59	137 2/3
20	46 2/3	40	93 1/3	60	140

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

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
o		o		o		o	
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

MICROFILMED
1964

168
Return to City Engineers Office
City Hall, San Diego, Cal.

University Heights Survey.

8/9/01 ✓ Levels along center line of alley bet. University Ave. and Essex St. from 10th St to Maryland St.

1

Pressey, Level
Williams, Rod
Falkenstein, Chain

2

Sta.	B.S.	H.I.	F.S.	Rod	Elev.		
B.M.	1.32	284.32			283.00	Spk N.W. University of 10th	283.00
							1.32
T.P.	6.46	279.20	11.58		272.74		284.32
							11.58
-39.3				11.2	268.0	Center 10th St.	272.74
0				7.1	272.1	East line 10th St.	6.46
							279.20
+12				4.7	274.5		1.00
							278.20
+30				3.5	275.7		11.47
							289.67
+55				6.5	272.7		
+80				11.6	267.6		
1				14.8	264.4		
+30				4.9	274.3		
T.P.	11.47	289.67	1.00		278.20		
+55				8.8	280.9		
+80				7.4	282.3		
2+05				5.7	284.0		
+30				5.8	283.9		
+50				4.7	285.0		
+80				4.6	285.1		
3+10				3.0	286.7		
+30				4.3	285.4		
+40				2.4	287.3		
+55				2.2	287.5		

Alley bet. University and Essex

Sta.	B. S.	H. I.	F. S.	Rod	Elev.
		(289.67)			
+80				3.7	286.0
4+30				1.9	287.8
+35				0.6	289.1
T. P.	9.00	296.53	2.14		287.53
+60				7.9	288.6
5+20				7.5	289.0
+60				7.3	289.2
+50				7.6	288.9
1				7.4	289.1
+25				5.5	291.0
+50				5.7	290.8
+65				6.1	290.4
2				4.6	291.9
+30				6.0	290.5
+50				4.6	291.9
+75				4.6	291.9
3				3.1	293.4
+15				2.8	293.7
+45				4.5	292.0
+50				3.3	293.2
+65				2.3	294.2

~~289.67~~
2.14
287.53
9.00
~~296.53~~

West line Vermont St.
center " " "
East " " "

5 Alley bet. University and Essex 6

Sta.	B.S.	H.I.	F.S.	Rod.	Elev.	
		(296.53)				
4				3.0	293.5	
+50				2.1	294.4	
5				1.6	294.9	
+50				0.7	295.8	
T.P.	4.90	300.77	0.66		295.87	
6				4.2	296.6	West line Maryland
+40				4.4	296.4	Center "
B.M.			3.73		297.04	Plug S.W. University & Maryland
					Chk.	

+ 296.53
0.66
295.87
4.90
+ 300.77
3.73
297.04

8/9/01
Dempsey, Level
Williams, Rod
Falkenstein, Chain

7

✓ Levels along the center line of Alley bet. Essex and Robinson St. from 10th St. to Maryland St.

8

Sta.	B.S.	H.I.	F.S.	Rod	Elev.		
B.M.	3.73	300.76			297.03	Plug. S.W. University and Maryland	397.03
							3.73
T.P.	2.01	298.32	4.45		296.31		300.76
							4.45
+40				4.5	293.8	Center Maryland	296.31
6				3.0	295.3	West line "	2.01
							0298.32
+50				3.5	294.8		9.23
							289.09
+10				3.3	295.0		2.29
5				2.4	295.9		0291.38
+60				4.1	294.2		
+50				3.5	294.8		
4				4.8	293.5		
+50				5.4	292.9		
3				5.9	292.4		
+50				5.7	292.6		
2				7.2	291.1		
+50				7.7	290.6		
1				7.5	290.8		
+50				8.5	289.8		
0				9.4	288.9	East line Vermont	
T.P.	2.29	291.38	9.23		289.09		
5+20				3.2	288.2	Center "	
+80				3.0	288.4	West " "	

Alley bet. Essex and Robinson

282.23

Sta.	B.S.	H.I.	F.S.	Ad	Elev
		(291.38)			
4+30				3.5	287.9
+80				4.0	287.4
+60				3.5	287.9
3+30				5.0	286.4
+80				5.7	285.7
+45				5.3	286.1
2+30				5.6	285.8
1+80				6.6	284.8
+60				5.9	285.5
+30				6.5	284.9
1+10				5.8	285.6
+80				5.8	285.6
+30				7.4	284.0
0				7.7	283.7
−40.3				7.8	283.6
B.M.			9.13		282.25
					Chk

East line 10th Av.
Center " "
Mkg S.E. Robinson and 10th

+ 291.38
9.13
B.M. 282.25

8/9/01
[illegible], Level
[illegible], Rod
Falkinstein, Chain

11

✓ Levels along the center line of Robinson St, from 10th St to Park Boulevard.

289.23

12

Sta.	B.S.	H.I.	F.S.	Rod	Elev	
B.M.	9.13	291.38			282.25	Plug S.E. Robinson and 10th
-40.7				10.0	281.4	Center 10th St
0				9.4	282.0	East line 10th St.
+30				7.1	284.3	
+80				7.3	284.1	
1+30				6.1	285.3	
+80				5.9	285.5	
2+30				6.4	285.0	
+80				6.3	285.1	
3+30				5.8	285.6	
+80				5.2	286.2	
4+30				4.4	287.0	
+80				4.1	287.3	West line Vermont St.
5+20				3.3	288.1	Center " "
+60				2.7	288.7	East " " "
0						
B.M.	7.20	296.45	2.13		289.25	Plug N.E. Robinson and Vermont
+50				7.5	288.9	
1				7.3	289.1	
+15				6.2	290.2	
+50				5.7	290.7	
2				5.3	291.1	

282.25
9.13
~~0~~291.38
2.13
289.25 chk
7.20
~~0~~296.45

Sta.	B.S.	H.I.	F.S.	Rod	Elev.	
		(296.45)				
+50				4.8	291.6	
3				4.3	292.1	
+50				4.4	292.0	
4				4.4	292.0	
+50				4.2	292.2	
5				3.2	293.2	
+50				2.7	293.7	
6				1.7	294.7	West line Maryland
+40				1.0	295.4	Curb "
+50				1.1	295.3	East " "
T.P.	0.71	295.81	1.35		295.10	
+50				1.0	294.8	
1				2.5	293.3	
+50				9.1	286.7	
T.P.	0.00	283.92	11.89		283.92	
T.P.	5.58	278.69	10.81		273.11	
2				9.0	269.7	
+20				13.6	265.1	
+50				3.7	275.0	West line Albert St.
T.P.	11.59	289.88	0.40		278.29	
T.P.	11.56	299.59	1.85		288.03	

296.45	
1.35	
295.10	
0.71	
295.81	
11.89	
283.92	
0.00	
283.92	
10.81	
273.11	
5.58	
278.69	
0.40	
278.29	
11.59	
289.88	
1.85	
288.03	
11.56	
299.59	

Robinson Ave.

~~0~~ 299.59
6.17
B.M 293.42 chk

S.E. Albert & Robinson

Sta.	B.S.	H.I.	F.S.	Rod	Elev.	
		299.59				
+90				9.2	290.4	Center Albert St.
3+20				6.1	293.5	
=0 +30				5.1	294.5	East line Albert St.
+25				5.9	293.7	
+50				4.0	295.6	
+75				4.0	295.6	
1				4.6	295.0	
+50				3.9	295.7	
+75				5.8	293.8	
2				4.3	295.3	West line Herbert St.
+30				5.3	294.3	
+40				4.4	295.2	Center " "
+80				3.6	296.0	East " " "
=0 +30				2.3	297.3	
+50				1.5	298.1	
T.P.	4.33	302.80	1.12		298.47	
+80				2.8	300.0	
1				2.6	300.2	
+50				2.9	299.9	
2				3.1	299.7	
+25				3.9	298.9	

~~0~~ 299.59
1.12
298.47
4.33
~~0~~ 302.80

Sta.	B. S.	H. I.	F. S.	Dist.	Elev.
		(302.80)			
+50				6.1	296.7
+90				10.8	292.0
T. P.	0.63	291.64	11.79		291.01
3				2.0	289.6
+35				12.2	279.4
+50				12.3	279.3
+75				12.2	279.4
T. P.	1.76	281.47	11.93		279.71
4				9.2	272.3
T. P.	5.09	275.90	10.66		270.81
+15				7.8	268.1
+25				12.0	263.9
+50				7.9	268.0
5				0.7	275.2
T. P.	11.30	286.82	0.38		275.52
+50				7.1	279.7
T. P.	11.66	298.45	0.03		286.79
6				6.5	292.0
+50				2.1	296.3
T. P.	10.04	307.59	0.90		297.55
7				8.8	298.8

302.80
11.79
291.01
0.63
291.64
11.93
279.71
1.76
281.47
10.66
270.81
5.09
275.90
0.38
275.52
11.30
286.82
0.03
286.79
11.66
298.45
0.90
297.55
10.04
307.59

Sta.	B. S.	H. I.	F. S.	Rod	Elev	
		(307.59)				⊕ 307.59
+50				6.8	300.8	8.79
8				3.9	293.7	B.M. 298.80 spike. Near Center of Park Boulevard
B.M.			8.79		298.80	Chisq S.W. Park Boulevard & Robinson

307.59
on T.P. 8.25
299.34 chk

8/10/61 ✓ Levels along Center line of alley bet. Robinson and Thornton from 10th St. to Albert St.

Level
William, Rod
Falkenstein, Chain

Sta.	B.S.	H.I.	F.S.	Rod	Elev.	
B.M.	5.26	287.49			282.23	Plug S.E. 10th and Robinson
-41.5				6.4	281.1	Center 10th St.
0				5.3	282.2	East line 10th St.
+30				5.4	282.1	
+80				5.7	281.8	
1+30				4.8	282.7	
+80				3.9	283.6	
2+30				3.4	284.1	
+80				3.6	283.9	
3+30				4.4	283.1	
+80				4.1	283.4	
4+30				3.5	284.0	
+80				2.9	284.6	West line Vermont
T.P.	9.57	294.37	2.69		284.80	
5+20				9.4	285.0	Center "
+60				7.7	286.7	East " "
0 +50				7.0	287.4	
1				5.8	288.6	
+50				4.6	289.8	
2				4.1	290.3	
+50				3.8	290.6	

282.23
5.26
0287.49
2.69
284.80
9.57
0294.37

Alley bet. Robinson and Thornton

Sta.	B.S.	H.I.	F.S.	Rd	Elev.
		(294.37)			
3				4.0	290.4
+50				4.6	289.8
4				4.9	289.5
+50				4.1	290.3
5				3.7	290.7
T.P.	7.28	298.25	3.40		290.97
+50				6.5	291.7
6				6.5	291.7
+40				5.5	292.7
=+80				5.2	293.0
0 +50				4.7	293.5
1				4.5	293.7
+50				5.1	293.1
+80				6.3	291.9
T.P.	3.07	295.40	5.92		292.33
2				10.3	285.1
B.M.				2.00	293.40
T.P.	0.73	284.43	11.70		283.70
T.P.	0.50	273.24	11.69		272.74
+50				6.5	266.7
T.P.	2.20	264.82	10.62		262.62
+90				9.8	255.0

~~295.40~~
2.00
B.M. 293.40 chk

West line Maryland
Center "
East " "

Bkng S.E. Albert + Robinson

West line Albert St.
Center " "

~~294.37~~
3.40
290.97
7.28
~~298.25~~
5.92
292.33
3.07
~~295.40~~
11.70
283.70 ✓
0.73
~~284.43~~ ✓
11.69
272.74 ✓
0.50
~~273.24~~ ✓
10.62
262.62 ✓
2.20
~~264.82~~ ✓

8/10/01
Pr[illegible] Level
Williams, Rod
Falkinstein, Chain

25

✓ Levels along Center of Alley bet. Robinson and Thornton from Herbert St to Center of alley in Block 241

26

Sta.	B.S.	H.I.	F.S.	Rod	Elev		
B.M.	3.95	297.35			293.40	Plug S.E. Albert mf Robinson	293.40
							3.95
T.P.	0.48	285.87	11.96		285.39		⊖297.35
							11.96
T.P.	0.46	274.59	11.74		274.13		285.39
−40				9.8	264.8	Center Herbert St.	0.48
							⊖285.87
T.P.	10.00	283.89	0.70		273.89		11.74
0				0.8	283.1	East line " "	274.13
							0.46
T.P.	5.20	288.35	0.74		283.15		⊖274.59
							0.70
+10				2.6	285.7		273.89
							10.00
+25				1.2	287.1		⊖283.89
							0.74
+50				3.8	284.5		283.15
							5.20
T.P.	1.36	278.14	11.57		276.78		⊖288.35
1				3.6	274.5		11.57
							276.78
+20				7.7	270.4		1.36
							⊖278.14
T.P.	1.50	267.81	11.83		266.31		11.83
							266.31
+30				2.9	264.9		1.50
							⊖267.81
+50				7.9	259.9		0.52
							267.29
+90				13.0	254.8		11.77
2				12.0	255.8		⊖279.06
+50				2.1	265.7		
T.P.	11.77	279.06	0.52		267.29		
3				4.0	275.1		

Alley bet. Robinson and Thornton

(296.05)

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
		(279.06)			
+10				2.2	276.9
+50				1.9	277.2
+55				2.0	277.1
T.P.	11.61	290.13	0.54		278.52
4				0.3	289.8
T.P.	11.75	301.24	0.64		289.49
+05				9.0	292.2
+20				6.8	294.4
B.M.			5.22		296.02
					Chk

Intersection center lines of alley's in Block 241 Plug S.W. Thornton and alley

279.06
0.54
278.52
11.61
290.13
0.64
289.49
11.75
301.24
5.22
B.M. 296.02

8/12/61 ✓ Levels along the center of alley bet. Thornton and Cypress, from 10th St. to the center of alley in Block 242

Dy. Level
Williams Rod
Falkenstein, Chain

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
B.M.	8.33	286.79			278.46
-43.3				10.1	276.7
0				8.1	278.7
+30				6.6	280.2
+80				7.2	279.6
1+30				5.8	281.0
+80				5.3	281.5
2+30				5.3	281.5
+80				4.6	282.2
3+30				4.1	282.7
+80				2.9	283.9
4+30				2.7	284.1
+80				2.6	284.2
5+20				3.8	283.0
+60				2.4	284.4
0 T.P.	8.45	292.87	2.37		284.42
+50				8.0	284.9
1				7.3	285.6
+30				7.1	285.8
+50				6.2	286.7
+80				6.5	286.4

Plug S.E. 10th and Cypress — 278.46 + 8.33 = 286.79
Center 10th St. — 286.79 − 2.37 = 284.42
East line 10th St. — 284.42 − 8.45 = 292.87

West line Vermont
Center "
East " "

Alley Sect. Thornton and Cypress

Sta.	B.S.	H.I.	F.S.	Ord	Elev.
		(292.87)			
2				6.1	286.8
+50				5.7	287.2
3				5.1	287.8
+50				4.5	288.4
4				5.0	287.9
+30				6.1	286.8
+40				8.4	284.5
T.P.	0.18	281.16	11.89		280.98
+50				2.4	278.8
T.P.	0.14	269.92	11.38		269.78
+80				3.5	266.4
+90				5.8	264.1
5				9.0	260.9
+20				16.0	253.9
+50				6.2	263.7
T.P.	11.68	281.46	0.14		269.78
+83				2.6	278.9
6				1.8	279.7
T.P.	10.55	290.17	1.84		279.62
+01				4.3	285.9
+10				2.3	287.9

Thos. Line Maryland

~~0~~ 292.87
11.89
280.98
0.18
~~0~~ 281.16
11.38
269.78
0.14
~~0~~ 269.92
0.14
269.78
11.68
~~0~~ 281.46
1.84
279.62
10.55
~~0~~ 290.17

Alley bet Thornton and Cypress

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
		(290.17)			
+40				1.1	289.1
+80				2.1	288.1
0					
+50				2.3	287.9
+95				3.3	286.9
1				6.2	284.0
T.P.	0.83	279.27	11.73		278.44
T.P.	0.17	267.64	11.80		267.47
+50				11.0	256.6
+60				14.7	252.9
+60				11.3	256.3
2				9.8	257.8
+15				10.7	256.9
T.P.	0.43	256.21	11.86		255.78
+50				8.7	247.5
T.P.	0.33	245.32	11.22		244.99
+90				3.2	242.1
3+30				4.4	240.9
0					
+25				4.5	240.8
+50				5.7	239.6
+65				6.8	238.5
T.P.	11.68	256.57	0.43		244.89

Center Maryland
East line "

Front line Albert St

Center " "
East " " "

290.17
11.73
278.44
0.83
279.27
11.80
267.47
0.17
267.64
11.86
255.78
0.43
256.21
11.22
244.99
0.33
245.32
0.43
244.89
11.68
256.57

Alley bet Thornton & Cypress

Sta.	B. S.	H. I.	F. S.	Red	Elev.
		(256.57)			
+93				6.0	250.6
1				4.9	251.7
T. P.	11.60	267.76	0.41		256.16
+30				1.5	266.3
T. P.	11.50	278.58	0.68		267.08
+50				4.5	274.1
T. P.	11.53	289.61	0.50		278.08
+90				0.5	289.1
T. P.	10.48	299.15	0.94		288.67
2				8.7	290.4
+10				7.0	292.1
+40				6.1	293.0
=0 +60				5.7	293.4
+50				5.1	293.4
+70				4.4	294.7
1				5.7	293.4
+15				6.5	292.6
T. P.	1.42	289.00	11.57		287.58
+50				7.4	281.6
+75				13.0	276.0
2				6.0	283.0

West line Herbert Ave

Center " " "

East " " "

~~0~~ 256.57
0.41
256.16
11.60
~~0~~ 267.76
0.68
267.08
11.50
~~0~~ 278.58
0.50
278.08
11.53
~~0~~ 289.61
0.94
288.67
10.48
~~0~~ 299.15
11.57
287.58
1.42
~~0~~ 289.00

Alley bet. Thornton ... and Cypress

Sta.	B. S.	H. I.	F. S.	Cut	Elev.
		(289.00)			
T. P.	11.37	300.23	0.14		288.86
+25				9.0	291.2
+57				5.9	294.3
B. M.			4.23		296.00
					Chk

Center alley block 242

Plug S. W. Thornton and alley bet Herbert and Park Boulevard

~~289.00~~
0.14
288.86
11.37
~~300.23~~
4.23
296.00

8/13/01 ✓ Levels along the center of alley bet. Cypress and Brookes Sts.
Pinkney, Level from 10th St. to the center of alley in block 243
Williams, Rod
Falkenstein, Chain

Sta.	B.S.	H.I.	F.S.	Rod	Elev.	
B.M.	4.23	300.28			296.05	Plug S.W. Thornton and alley bet Park Boulevard and Herbert St.
T.P.	1.85	296.38	5.75		294.53	
+57				1.8	294.6	Center alley in block 243
2				1.8	294.6	
+50				1.7	294.7	
1				2.7	293.7	
+80				1.5	294.9	
+50				3.2	293.2	
=0 +80				4.9	291.5	East line Herbert St
+55				6.3	290.1	
+40				6.8	289.6	Center " "
2				6.4	290.0	West " " "
+85				7.3	289.1	
+50				6.0	290.4	
1				4.9	291.5	
+50				5.6	290.8	
=0 3+30				7.1	289.3	East line Albert St.
+90				8.2	288.2	Center " "
+50				7.7	288.7	West " " "
T.P.	0.41	289.44	7.35		289.03	
2				0.4	289.0	

296.05
4.23
~~0~~300.28
5.75
294.53
1.85
~~0~~296.38
7.35
289.03
0.41
~~0~~289.44

Alley bet. Cypress and Brooks

Sta.	B.S.	H.I.	F.S.	Bd	Elev.
		(289.44)			
+50				2.7	286.7
1				5.4	284.0
+60				8.6	280.8
+50				11.4	278.0
T. P.	0.34	278.11	11.67		277.77
+30				4.1	274.0
=0+50				11.7	266.4
T. P.	0.31	266.67	11.75		266.36
+65				4.0	262.7
+50				5.0	261.7
+40				7.7	259.0
T. P.	0.33	255.11	11.89		254.78
6				3.7	251.4
+50				10.5	244.6
+40				10.6	244.5
T. P.	0.23	243.47	11.87		243.24
5				5.5	238.0
+80				8.4	235.1
T. P.	0.16	231.69	11.94		231.53
+50				2.7	229.0
4				6.9	224.8

East line Maryland

Center Maryland

West line "

~~0~~ 289.44
11.67
277.77
0.34
~~0~~ 278.11
11.75
266.36
0.31
~~0~~ 266.67
11.89
254.78
0.33
~~0~~ 255.11
11.87
243.24
0.23
~~0~~ 243.47
11.94
231.53
0.16
~~0~~ 231.69

Sta.	B. S.	H. I.	F. S.	Rod	Elev.
		(231.69)			
+55				10.4	221.3
+50				12.3	219.4
B				1.4	230.3
T. P.	11.72	243.41	0.00		231.69
+85				2.2	241.2
T. P.	11.43	254.84	0.00		243.41
+50				4.2	250.6
T. P.	11.43	265.99	0.28		254.56
2				5.7	260.3
T. P.	10.42	276.41	0.00		265.99
+82				9.9	266.5
+75				9.3	267.1
+60				6.8	269.6
+50				3.3	273.1
T. P.	5.23	279.96	1.68		274.73
+42				3.5	276.5
+37				0.3	279.7
+25				1.0	279.0
T. P.	0.42	268.55	11.83		268.13
1				1.4	267.1
T. P.	0.68	257.46	11.77		256.78

231.69
0.00
231.69
11.72
243.41
0.00
243.41
11.43
254.84
0.28
254.56
11.43
265.99
0.00
265.99
10.42
276.41
1.68
274.73
5.23
279.96
11.83
268.13
0.42
268.55
11.77
256.78
0.68
257.46

Alley bet Cayuga and Brooker

Sta.	B. S.	H. I.	F. S.	Dist.	Elev.
		(257.46)			
T. P.	0.53	246.63	11.36		246.10
+50				4.8	241.8
+20				15.7	230.9
0 +60				9.0	237.6
+50				4.3	242.3
+45				3.7	242.9
T. P.	11.34	257.75	0.22		246.41
+40				9.7	248.0
5 +20				1.4	256.3
T. P.	10.70	268.45	0.00		257.75
T. P.	7.65	273.36	2.74		265.71
+90				0.5	272.9
+50				0.4	273.0
4 +30				11.6	261.8
T. P	0.87	262.60	11.63		261.73
T. P.	1.16	251.97	11.79		250.81
+80				11.4	240.6
+60				15.4	236.6
T. P.	11.39	263.04	0.32		251.65
3 +30				10.4	252.6
T. P.	11.43	274.44	0.03		263.01

East line Vermont

Center Vermont

West line "

0 257.46
11.36
246.10
0.53
0 246.63
0.22
246.41
11.34
0 257.75
0.00
257.75
10.70
0 268.45
2.74
265.71
7.65
0 273.36
11.63
261.73
0.87
0 262.60
11.79
250.81
1.16
0 251.97
0.32
251.65
11.39
0 263.04
0.03
263.01
11.43
0 274.44

Alley bet Cypress and Brooker

Sta.	B.S.	H.I.	F.S.	Dist	Elev.	
		(274.44)				
+95				0.1	274.3	
T.P.	10.40	283.80	1.04		273.40	
+90				6.4	277.4	
+50				5.0	278.8	
+45				4.4	279.4	
2+30				5.4	278.4	
+93				4.7	279.1	
+80				3.5	280.3	
1+30				3.8	280.0	
+80				4.7	279.1	
+32				6.8	277.0	
+30				8.7	275.1	
B.M.				5.35	278.45	Plug. S.E. 10th and Cypress
T.P.	0.32	272.32	11.80		272.00	
0				15.5	256.8	East line 10th St.

283.80
5.35
B.M. 278.45 ok

274.44
1.04
273.40
10.40
283.80
11.80
272.00
0.32
272.32

8/13/01 ✓ Levels along the center of alley bet Brooker and Myrtle sts
 from 10th St. to the center of alley in block 244
Level
Williams, Rod
Falkenstein, Chain

Sta	B.S.	H.I.	F.S.	Rod	Elev.
B.M.	0.67	215.41			214.74
T.P.	2.26	208.06	9.61		205.80
-46				7.6	200.5
0				10.7	197.4
+30				8.8	199.3
+55				3.2	204.9
+80				1.3	206.8
T.P.	11.48	219.54	0.00		208.06
1+20				7.6	211.9
+30				4.1	215.4
T.P.	11.76	231.30	0.00		219.54
+45				11.8	219.5
+80				8.3	223.0
+95				3.8	227.5
T.P.	11.94	243.24	0.00		231.30
2+30				10.8	232.4
+65				4.3	238.9
+80				2.2	241.0
T.P.	11.17	254.41	0.00		243.24
T.P.	5.33	257.43	2.31		252.10
3+20				2.8	254.6

Plug S.E. 10th and Brooker

Center 10th St.

East line " "

214.74
0.67
0215.41
9.61
205.80
2.26
0208.06
0.00
208.06
11.48
0219.54
0.00
219.54
11.76
0231.30
0.00
231.30
11.94
0243.24
0.00
243.24
11.17
0254.41
2.31
252.10
5.33
0257.43

Sta.	B. S.	H. I.	F. S.	Rod	Elev.
		(257.43)			
+30.				1.8	255.6
+45				0.7	256.7
+80				7.5	249.9
+95				6.3	251.1
T. P.	11.92	269.28	0.07		257.36
4+30				5.2	264.1
T. P.	10.48	279.38	0.38		268.90
+55				4.1	275.3
+80				1.6	277.8
5+20				2.2	277.2
+60				3.7	275.7
T. P.	0.25	267.81	11.82		267.56
+50				1.0	266.8
1				9.2	258.6
+20				10.8	257.0
T. P.	0.59	256.46	11.94		255.87
+50				4.9	251.6
+65				6.7	249.8
T. P.	0.44	245.04	11.86		244.60
2				5.8	239.2
T. P.	0.45	233.87	11.62		233.42

West line Vermont
Center " "
East " "

257.43
0.07
257.36
11.92
269.28
0.38
268.90
10.48
279.38
11.82
267.56
0.25
267.81
11.94
255.87
0.59
256.46
11.86
244.60
0.44
245.04
11.62
233.42
0.45
233.87

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
		(233.87)			
+50				3.7	229.2
3				10.2	223.7
+50				6.1	227.8
+50				3.4	230.5
4				4.4	229.5
+50				6.4	227.5
T. P.	9.37	241.54	1.70		232.17
5				13.5	228.0
+25				7.9	233.6
+50				3.6	237.9
T. P.	11.07	252.61	0.00		241.54
+85				8.7	243.9
6				6.0	246.6
+40				4.7	247.9
+50				2.5	250.1
=0					
+25				1.4	251.2
+50				2.6	250.0
1				2.4	250.2
+10				3.2	249.4
+38				1.0	251.6
+50				2.9	249.7

West line Maryland
Center " "
East " "

~~0~~ 233.87
1.70
232.17 V
9.37
~~0~~ 241.54 V
0.00
241.54 V
11.07
~~0~~ 252.61 V

Sta.	B.S.	H.I.	F.S.	Dist	Elev.	
		(252.61)				
2				5.1	247.5	
+25				5.9	246.7	
+40				8.3	244.3	
+50				5.9	246.7	West line Albert St.
T.P.	11.47	263.28	0.80		251.81	
+90				10.7	252.6	Center " "
T.P.	10.94	273.45	0.77		262.51	
3+30				3.6	269.8	East " " "
T.P.	11.72	284.89	0.28		273.17	
+15				8.2	276.7	
+35				3.7	281.2	
T.P.	9.33	293.07	1.15		283.74	
+50				9.1	284.0	
1				6.0	287.1	
+50				3.9	289.2	
2				2.9	290.2	West line Herbert St.
+25				3.9	289.2	
+40				5.5	287.6	Center " "
+75				9.3	283.8	
4+50				10.9	282.2	East " " "
+85				12.2	280.9	

~~0~~ 252.61
0.80
251.81
11.47
~~0~~ 263.28
0.77
262.51
10.94
~~0~~ 273.45
0.28
273.17
11.72
~~0~~ 284.89
1.15
283.74
9.33
~~0~~ 293.07

57 Alley bet. Brooks and Myrtle 58

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
		(293.07)			
+15				9.2	283.9
+25				8.0	285.1
+35				8.7	284.4
+50				11.7	281.4
T.P.	4.50	285.86	11.71		281.36
1				11.1	274.8
+50				2.4	283.5
T.P.	10.99	296.69	0.16		285.70
+85				5.3	291.4
2				5.5	291.2
+57				5.3	291.4
B.M.			8.79		287.90
					(287.98)

+293.07
11.71
281.36
4.50
+285.86
0.16
285.70
10.99
+296.69
8.79
287.90

Center alley, Block 244

Plug, N.W. alley bet Park Boulevard and Herbert, and Myrtle St.

8/14/16

59

Levels along the center of alley in block 245 (University Ave.) from Herbert St. to the center of alley running North and South

Level
Williams, Rod
Falkenstein, Chain

60

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
B.M.	8.79	296.77			287.98
+57				3.2	293.6
+30				3.8	293.0
2				5.8	291.0
+80				5.1	291.7
+50				7.7	289.1
+25				9.6	287.2
1				8.5	288.2
+50				6.1	290.7
0				6.9	289.9
−40				8.1	288.7

Plug N.W. alley bet Park Boulevard and Herbert St. and Myrtle St.

287.98
8.79
296.77

center alley in Block 245

East line Herbert St.

Center " "

8/14/6, ✓ Levels along the center of alley bet. Upar and Myrtle St., from
Pr. Level 10th St., to ~~Maryland~~ Vermont St.
Williams, Rod
Falkinstein, Chain

Sta.	B.S.	H.I.	F.S.	Rod	Elev.		
B.M.	6.52	290.92			284.40	Plug N.E. Maryland and Upar	284.40
+40				7.0	283.9	Center Maryland St.	6.52
6				8.3	282.6	West line " "	290.92 ✓
+50				8.0	282.9		6.56
5				7.0	283.9		284.36 ✓
T.P.	2.36	286.72	6.56		284.36		2.36
+50				2.5	284.2		286.72 ✓
4				3.2	283.5		
+50				4.6	282.1		
3				4.9	281.8		
+50				4.8	281.9		
2				4.9	281.8		
+75				4.5	282.2		
+50				5.2	281.5		
1				5.6	281.1		
+50				6.0	280.7		
0 +60				6.3	280.4	East line Vermont	
5 +20				7.5	279.2	Center "	
+80				7.7	279.0	West " "	
+30				7.6	279.1		
4 +05				6.9	279.8		

Alley bet Upon and Myette

Sta.	B.S.	H.I.	F.S.	Rod	Elev.	
T.P.	2.58	281.53	7.77		278.95	
+80				2.4	279.1	
+40				2.5	279.0	
3+30				3.4	278.1	
3				2.4	279.1	
+80				4.4	277.1	
+45				5.6	275.9	
2+30				4.9	276.6	
+80				8.9	272.6	
+50				11.2	270.3	
1+30				11.5	270.0	
1+05				11.6	269.9	
+80				11.3	270.2	
+50				12.0	269.5	
T.P.	2.54	272.26	11.81		269.72	
B.M.				2.22	270.04	Plug N.W. Upon and 10th St.
+30				7.5	264.8	
T.P.	0.93	261.41	11.78		260.48	
0				5.7	255.7	East line 10th St.
T.P.	0.23	249.96	11.68		249.73	
-49.2				12.1	237.9	Center " "

272.26
2.22
B.M. 270.04
(270.00)

0286.72
7.77
278.95
2.58
0281.53
11.81
269.72
2.54
0272.26
11.78
260.48
0.93
0261.41
11.68
249.73
0.23
0249.96

8/15/01 ✓ Levels along the division line bet. University Heights and Estudillo
65 Ordway, Level Add. (The center line of 10th St, approx.) from University Ave. north 66
Williams, Rod
Falkenstein, Chain

289.47
6.08
B.M. 283.39

Sta.	B. S.	H. I.	F. S.	Rod	Elev.	
B.M.	6.47	289.47			283.00	Spk N.W. University and 10th St. 283.00
-75				6.9	282.6	Center University Ave (Univ'ty Hts) 6.47
-50				6.6	282.9	W. line " " " " 289.47
0				5.7	283.8	
+50				4.8	284.7	
+76.5				4.7	284.8	Center alley (Estudillo's)
1				4.5	285.0	
+50				4.5	285.0	
2				4.9	284.6	
+50				5.7	283.8	
3				6.0	283.5	3+29.6 = center Hendricks ave
+50				7.4	282.1	
4				9.0	280.5	Edge of deep Canon,
+25				15.0	274.5	
B.M.				6.08	283.39	Alng. Intersection S. line Hendricks St. With division line

8/15/61
[illegible], Level
Williams, Rod
Falkenstein, Chain

Levels along the Center of Alley bet. University Ave., and Monterey Ave., (Estudillo's Add) from 10th St. to East fence of Hospital grounds

Sta.	B.S.	H.I.	F.S.	Rod	Elev.	
		(289.47)	Continued from last page			
−32				4.7	284.8	Center 10th St.
0				5.0	284.5	West line 10th St.
+30				4.3	285.2	
+50				5.0	284.5	
1				4.9	284.6	
+30				5.3	284.2	Center of Alley, Block 16
+60				6.0	283.5	
2+10				5.3	284.2	
+60				5.5	284.0	East line 9th St.
T.P.	5.20	289.23	5.44		284.03	
+95				5.0	284.2	Center " "
=0 +30				4.9	284.3	West " " "
+50				4.8	284.4	
1				4.7	284.5	
+30				4.8	284.4	Center Alley, block 9
+60				5.0	284.2	
2+10				5.6	283.6	
+60				5.9	283.3	East line 8th St.
+70				6.2	283.0	
+85				4.2	285.0	
+95				4.8	284.4	Center " "

0 289.47
5.44
284.03
5.20
0 289.23

Sta.	B.S.	H.I.	F.S.	Rod	Elev.	
		(259.23)				
3+30				5.5	253.7	West line 8th St.
0 +50				5.1	254.1	
1				5.3	253.9	
+30				5.2	254.0	East fence Hospital grounds
8/15/01						
	Alley	in Block 16,	bet. 9th & 10th St.			(Estudillo's Add.)
		(259.23)				
0				5.1	254.1	center of alley running East & West
+35				5.2	254.0	
+50				3.9	255.3	
+75				5.5	253.7	
1				5.6	253.6	
+50				6.5	252.7	
2				6.8	252.4	
+08				7.9	251.3	Edge of deep canon

6/15/61
Rubber Level
Williams, Rod
Falkenstein, Chain

✓ Levels along the center of 9th St. (Estudillo's Add) from University Ave., to Monterey Ave.

Sta.	B.S.	H.I.	F.S.	Rod	Elev.		
		(289.23)	Continued				
-37.5				6.1	283.1	Center of University Ave.	289.23
0				6.2	283.0	N. line " "	6.09
+50				5.6	283.6		283.14
1				5.4	283.8		6.12
+50				4.9	284.3		289.26
2				5.0	284.2		
+50				4.9	284.3		
3				4.7	284.5		
+50				5.0	284.2		
4				5.1	284.1		
+20				4.2	285.0		
+50				5.6	283.6		
5				5.6	283.6		
+50				5.4	283.8		
+75				5.5	283.7	S. line Monterey ave	
6				6.3	282.9	Center " "	
T.P.	6.12	289.26	6.09		283.14		

✓ Levels along the center of Monterey Ave, (Estudillo's add)

Sta.	B.S.	H.I.	F.S.	Rod	Elev.	
		(259.26) cont'd from last page				
1+73				7.9	281.3	Edge deep canon
2+10				7.0	282.2	
+60				7.0	282.2	East line 9th St.
+95				6.3	282.9	Center " "
3+30				5.9	283.3	West " " "
+50				5.8	283.4	
+70				4.3	284.9	
4				5.3	283.9	
+30				4.6	284.6	Center alley bet 8th & 9th St.
+60				4.4	284.8	
+80				3.4	285.8	
5+10				3.6	285.6	
+60				4.0	285.2	East line 8th St.
+95				4.9	284.3	Center " "
6+30				4.5	284.7	West " " "
+50				4.6	284.6	
7				5.7	283.5	
+13				7.1	282.1	Edge deep Canon
B.M.			4.33		284.93	Plug S.W. Monterey Ave & 8th St.

259.26
4.33
284.93

8/18/01 ✓ Levels along the center of alley bet. 8th and 9th St. (Estudillo Ave) from the center of alley to Monterey Ave.

Sta.	B.S.	H.I.	F.S.	Rid	Elev.	
B.M.	4.33	289.26			284.93	Disc. S.W. Monterey Ave & 9th St.
+60				4.6	284.6	Center Monterey Ave
+35				4.5	284.7	S. line " "
4				3.7	285.5	
+50				2.8	286.4	
3				3.2	286.0	
+50				3.9	285.3	
2				4.3	284.9	
+50				4.5	284.7	
1				4.5	284.7	
+50				4.5	284.7	
0				4.8	284.4	Center of alley running East & West.
T.P.	4.03	288.52	4.77		284.49	

284.93
4.33
289.26
4.77
284.49
4.03
288.52

✓ Levels along the center of 8th St., (Estudillo's add) from
8/15/01 University Ave to Monterey ave.

8th

282.45

Sta.	B.S.	H.I.	F.S.	Rod	Elev.	
		(288.52)	Cont'd from last page			
-37.5				3.4	285.1	Center University Ave. ~~0~~ 288.52
0				4.5	284.0	N. line " " 6.05 B.M. 282.47
+30				4.8	283.7	
+50				4.1	284.4	
+75				5.4	283.1	
1				5.1	283.4	
+30				5.0	283.5	
+40				4.1	284.4	center alley
+50				4.2	284.3	
+65				4.4	284.1	
2				5.2	283.3	
+50				4.8	283.7	
3				4.5	284.0	
+50				4.7	283.8	
4				4.3	284.2	
+50				3.8	284.7	
5				3.3	285.2	
+50				3.3	285.2	
+75				3.3	285.2	S. line Monterey ave
6				4.1	284.4	Center " "
B.M.			6.05		Chk 282.47	Plug S.E. University and 8th St.

8/16/61
Ardley, Level
Williams, Rod
Falkenstein, Chain

79

✓ Levels along the center of Cleveland ave. (University Hts) from the North line of University ave. to Tyler St.

80

Sta.	B.S.	H.I.	F.S.	Rod	Elev.		
B.M.	4.29	294.24			289.95	Plug S.W. University and Vermont	289.95
							4.29
0				9.0	285.2	N. line University ave	294.24
							0.43
+10				10.3	283.9		293.81
+50				10.8	283.4		6.51
+75				9.9	284.3		300.32
1				7.4	286.8		
+25				8.4	285.8		
+50				7.3	286.9		
2				6.2	288.0		
+50				5.9	288.3		
3				5.0	289.2		
+51.5				4.6	289.6	Center Vermont St.	
4				4.4	289.8		
+50				3.7	290.5		
5				2.9	291.3		
+25				2.9	291.3		
+50				1.8	292.4		
6				1.4	292.8		
+50				0.3	293.9		
T.P.	6.51	300.32	0.43		293.81		
7				6.2	294.1		

Sta.	B.S.	H.I.	F.S.	Cut	Elev.	
		(300.32)				~~300.32~~
+50				5.2	395.1	0.52
8				4.8	295.5	299.80
+35				4.7	295.6	6.35
+50				7.8	292.5	~~306.15~~
+85				11.0	289.3	
9				9.6	290.7	
+18				5.4	294.9	
+20				3.9	296.4	
+50				3.3	297.0	
10				2.5	297.8	
+50				1.7	298.6	
+63.5				1.6	298.7	Center Richmond St.
11				1.0	299.3	
+50				0.5	299.8	
T.P.	6.35	306.15	0.52		299.80	
12				5.9	300.2	
+08				5.8	300.3	S. line Blaine ave.
+50				5.7	300.4	
13				5.3	300.8	N. " " "
+50				4.8	301.3	
14				4.5	301.6	

Cleveland Ave.

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
		(306.15)			
+50				4.3	301.8
15				4.4	301.7
+50				3.9	302.2
16				3.3	302.8
+50				2.6	303.5
17				2.3	303.8
+50				2.2	303.9
T.P.	7.21	311.32	2.04		304.11
18		1		6.8	304.5
+50				6.7	304.6
19				6.5	304.8
+50				7.2	304.1
+66				6.6	304.7
20				5.1	306.2
+50				4.3	307.0
21				3.5	307.8
+50				2.6	308.7
22				1.7	309.6
+50				1.0	310.3
T.P.	4.87	315.00	1.19		310.13
23				4.2	310.8

Center Lincoln ave.

~~0~~ 306.15
2.04
304.11
7.21
~~0~~ 311.32
1.19
310.13
4.87
~~0~~ 315.00

Sta.	B.S	H.I.	F.S.	Rod	Elev.	
		(315.00) ✓				
+50				5.1	309.9	~~0~~ 315.00
24			1	3.8	311.2	7.15
+50				3.3	311.7	Checked 307.85 ✓
25				3.3	311.7	
+50				3.0	312.0	
26				2.9	312.1	
+50				3.3	311.7	
27				3.3	311.7	
+14				3.4	311.6	S. line Tyler St.
+54				3.3	311.7	Center " "
B.M.			7.15		307.85 ✓	Bldg S.W. Tyler and Cleveland

8/[illegible]/61 ✓ Levels along the center of Richmond St., from University Ave. to Hendricks Ave.
Ann[illegible] Level
Williams Rod
Falkenstein, Chain

Sta.	B.S.	H.I.	F.S.	Rod	Elev.		
B.M.	6.95	303.98			297.03	Plug S.W. University & Maryland	297.03
-75				6.1	297.9	Center University Ave.	6.95
-20				8.0	296.0		303.98
0				6.5	297.5	N. line " "	
+50				5.9	298.1		
+65				6.3	297.7		
1				4.6	299.4		
+15				5.1	298.9		
+25				6.2	297.8		
+50				5.5	298.5		
+85				6.2	297.8		
2				7.7	296.3		
+30				5.9	298.1		
+50				6.7	297.3		
+75				5.3	298.7		
3				4.7	299.3		
+12				5.2	298.8	Center Cleveland Ave.	
+20				5.0	299.0		
+25				3.7	300.3		
+40				3.1	300.9		
+50				3.9	300.1		

Richmond St.

Sta.	B. S.	H. I.	F. S.	Grd	Elev.	
		(303.98)				
+75				5.0	299.0	
4				6.6	297.4	
+50				5.5	298.5	
+80				3.8	300.2	
5				5.7	298.3	5+10.5 Center alley Int Cleveland & Hendricks
+35				4.4	299.6	
+50				4.5	299.5	
+75				5.1	298.9	
6				3.9	300.1	
T. P. 1	3.52	303.42	4.08		299.90	X
+50				4.5	298.9	
7				3.9	299.5	
+50				4.8	298.6	
+76				4.8	298.6	Intersection with center Hendricks ave.

303.98
4.05
299.90 ✓
3.52
303.42 ✓

8/17/[illegible]
Run Level
Williams, Rod
Falkenstein, chain

Levels along the center of line bet. University Heights and Hendricks ave. from the division Estudillo's add., to Lincoln ave.

Sta.	B.S.	H.I.	F.S.	Rod	Elev.		
		(303.42)	Cont'd from last page				
+66				1.2	302.2	Center Lincoln ave.	~~0~~ 303.42
+50				1.3	302.1		11.82
							291.60
17				2.5	300.9		0.37
							~~0~~ 291.97
+50				6.0	297.4		11.82
							280.15
16				8.4	295.0		3.93
							~~0~~ 284.08
T.P.	0.37	291.97	11.82		291.60		3.93
+55				1.5	290.5		280.15
							11.77
+50				3.6	288.4		~~0~~ 291.92
+35				9.1	282.9		0.97
							290.95
T.P.	3.93	284.08	11.82		280.15		11.23
+15				12.6	271.5		~~0~~ 302.18
15				7.8	276.3		
T.P.	11.77	291.92	3.93		280.15		
+68				3.3	288.6		
+50				0.9	291.0		
T.P.	11.23	302.18	0.97		290.95		
+30				7.1	295.1		
14				5.0	297.2		
+80				3.2	299.0		
+50				3.4	298.8		
+42				3.6	298.6	Center Richmond ave	

Hendricks Ave.

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
		(302.18)			
13				3.1	299.1
+50				3.3	298.9
12				3.8	298.4
T.P.	1.58	299.97	3.74		298.44
+50				2.7	297.3
+20				1.6	298.4
11				4.0	296.0
+82				3.3	296.7
+50				6.0	294.0
+25				8.2	291.8
T.P.	0.68	288.91	11.74		288.23
10				2.8	286.1
+75				11.0	277.9
T.P.	1.14	278.22	11.83		277.08
T.P.	1.16	270.85	8.53		269.69
+50				5.4	265.4
+40				8.8	262.0
T.P.	11.16	280.85	1.16		269.69
9				3.2	277.6
T.P.	11.49	291.87	0.47		280.38
+70				1.6	290.3

302.18
3.74
298.44 ✓
1.53
299.97 ✓
11.74
288.23 ✓
0.68
288.91 ✓
11.83
277.08 ✓
1.14
278.22 ✓
8.53
269.69 ✓
1.16
270.85 ✓
1.16
269.69 ✓
11.16
280.85 ✓
0.47
280.38 ✓
11.49
291.87 ✓

Sta.	B.S.	H.I.	F.S	Rd	Elev
T.P.	4.73	295.52	1.08		294.4
+68				2.2	293.3
+50				1.2	294.3
8				1.8	293.7
+50				2.8	292.7
7				3.6	291.9
+50				4.0	291.5
6				5.6	289.9
+94				5.7	289.8
+50				6.9	288.6
5				8.6	286.9
+80				9.3	286.2
T.P.	0.68	284.28	11.92		283.60
+50				10.6	273.7
T.P.	0.23	272.97	11.54		272.74
T.P.	0.30	261.64	11.63		261.34
4				8.8	253.6
T.P.	5.71	256.46	10.89		250.75
+63				12.6	243.9
+50				8.9	247.6
+40				6.2	250.3

Center Vermont.

291.87
1.08
290.79
4.73
295.52
11.92
283.60
0.68
284.28
11.54
272.74
0.23
272.97
14.63
261.34
0.30
261.64
10.89
250.75
5.71
256.46

Hendricks Ave.

Sta.	B.S.	H.I.	F.S.	Pod	Elev.	
T. P.	11.86	267.84	0.48		255.98	
+20				7.8	260.0	
T. P.	11.74	289.58	0.00		267.84	
3				11.0	278.6	
T. P.	10.07	288.87	0.78		278.80	
+78				9.3	279.6	
+70				4.7	284.2	
+50				4.1	284.8	
2				4.9	284.0	
+50				6.0	282.9	
1				5.8	283.1	
+50				6.1	282.8	
0				6.0	282.9	Division line bet. University Heights and Estudillo Add.
B.M.			5.46		283.41	Plug S. line Hendricks St. and P.L. line
					Chk	

0 256.46
0.48
255.98
11.86
0 267.84
0.00
267.84
11.74
0 289.58
0.78
278.80
10.07
0 288.87
5.46
283.41

8/17/21
Anthony Level
Williams, Rod
Falkenstein, Chain

Levels along the center of Alley bet. Cleveland and Hendricks Ave.
from the P.L. Line bet. University Heights and Estudillo's add.
Lincoln Ave.

Sta.	B.S.	H.I.	F.S.	Rod	Elev.		
B.M.	5.46	288.85			283.39	Plug S. line Hendricks St. w/ P.L. line	283.39
							5.46
0				4.0	284.9	Intersection center line of alley,	0288.85
							11.41
+50				3.9	285.0	With P.L. line	277.44
							4.68
1				3.8	285.1		0282.12
							0.34
+50				3.3	285.6		281.78
							11.73
2				3.2	285.7		0293.51
+50				2.2	286.7		
3				2.1	286.8		
+50				2.0	286.9		
+68				1.1	287.8		
4				5.0	283.9		
T.P.	4.68	282.12	11.41		277.44		
+28				5.8	276.3		
+48				12.7	269.4		
T.P.	11.73	293.51	0.34		281.78		
+75				10.1	283.4		
+80				7.8	285.7		
5				6.3	287.2		
X +50				4.2	289.3		
+80				3.9	289.6		
+90				3.1	290.4	Center Vermont	

Alley bet Cleveland and Hendricks

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
		(293.51)			
6				3.2	290.3
+30				4.0	289.5
+50				2.9	290.6
7				2.4	291.1
+25				3.0	290.5
+50				1.3	292.2
T.P.	4.96	297.76	0.71		292.80
+85				4.6	293.2
8				5.5	292.3
+40				4.8	293.0
+50				3.2	294.6
+70				4.1	293.7
9				3.1	294.7
+15				3.8	294.0
+50				2.5	295.3
+65				2.5	295.3
+75				4.1	293.7
10				12.0	285.8
T.P.	0.65	286.67	11.74		286.02
+50				17.5	275.2
+55				12.1	274.6

~~0~~ 293.51
0.71
292.80
4.96
~~0~~ 297.76
11.74
286.02
0.65
~~0~~ 286.67

Alley bet. Cleveland & Hendricks

Sta.	B.S.	H.I.	F.S.	Rod	Elev.	
		(286.67)				
+75				2.8	283.9	
T.P.	9.82	296.49	0.00		286.67	
11				6.3	290.2	
+0.5				4.7	291.8	
+50				1.1	295.4	
T.P.	8.17	303.77	0.89		295.60	
+75				6.7	297.1	
12				6.2	297.6	
+50				5.8	298.0	
+60				5.2	298.6	West line Richmond St.
B.M.	7.26	305.86	5.17		298.60	Plug S.W. alley & Richmond St.
13+00.6				7.9	298.0	Center Richmond St.
+24				7.2	298.7	
+41.4				5.6	300.3	East line " "
+50				5.4	300.5	
+70				6.3	299.6	
14				6.5	299.4	
+15				5.4	300.5	
+50				6.1	299.8	
15				4.9	301.0	
+50				4.9	301.0	

~~0~~ 286.67
0.00
286.67
9.82
~~0~~ 296.49
0.89
295.60
8.17
~~0~~ 303.77
5.17
B.M. 298.60
7.26
~~0~~ 305.86

 Allay bet Cleveland and Hendricks

Sta.	B. S.	H. I.	F. S.	Rod	Elev.	
		(305.86)				
16				5.0	300.9	
+25				5.8	300.1	
+50				8.4	297.5	
T. P.	5.28	299.38	11.76		294.10	
+62				4.6	294.8	
+80				12.1	287.3	
17				6.1	293.3	
+10				3.2	296.2	
+25				1.8	297.6	
T. P.	5.71	304.57	0.52		298.86	
+50				4.9	299.7	
+75				3.7	300.9	
18				3.6	301.0	
+25				5.8	298.8	
+50				11.4	293.2	
+65				14.4	290.2	
+82				7.3	297.3	
19				5.3	299.3	
+20				2.9	301.7	
+50				1.3	303.3	
+93				0.9	303.7	Center Lincoln ave.
B. M.			3.40	Correct	(301.26) 301.17 chk	Plug S. E. Hendricks and Lincoln

~~0~~ 305.86
11.76
294.10
5.28
~~0~~ 299.38
0.52
298.86
5.71
~~0~~ 304.57
3.40
B.M. 301.17

8/17/[illegible]
Pond [illegible] Level
Williams, Rod
Falkenstein, Chain

✓ Levels along the center of Vermont St., from University Ave., to St. S.W. of Mystic Lake

Sta.	B.S.	H.I.	F.S.	Rod	Elev.		
B.M.	4.26	294.21			289.95	Plug S.W. University & Vermont	289.95
							4.26
-75				3.9	290.3	Center University Ave.	294.21 ✓
							3.70
-22				5.5	288.7	~~N. line~~ " "	290.51 ✓
							1.48
0				4.4	289.8	N. line " "	291.99 ✓
+50				4.7	289.5		
1				4.6	289.6		
+20				5.1	289.1	1+02.6 Center Cleveland Ave.	
+21				5.6	288.6		
+50				5.3	288.9		
+85				5.7	288.5		
2				4.1	290.1		
+20				5.0	289.2		
+50				4.3	289.9		
+75				5.0	289.2		
3				3.9	290.3		
+02				3.8	290.4	Center Alley bet Cleveland & Hendricks	
+25				4.2	290.0		
+50				5.3	288.9		
+65				4.4	289.8		
4				3.8	290.4		
T.P.	1.48	291.99	3.70		290.51		

Sta.	B. S.	H. I.	F. S.	Rod	Elev.
		(291.99)			
+50				2.3	289.7
+60				2.4	289.6
+75				1.1	290.9
5				2.1	289.9
+02				2.1	289.9
+40				1.6	290.4
+50				2.0	290.0
6				3.0	289.0
+50				4.8	287.2
+75				8.8	283.2
+96				11.0	281.0
T. P.	0.51	280.83	11.67		280.32
7				1.7	279.1
+18				8.8	272.0
T. P.	0.15	269.38	11.60		269.23
+33				9.7	259.7
T. P.	0.01	257.59	11.80		257.58
+50				7.2	250.4
T. P.	0.53	246.56	11.56		246.03
T. P.	0.18	234.82	11.92		234.64
+85				1.5	233.3

Cinda Hendricks St.

291.99
11.67
280.32 ✓
0.51
280.83 ✓
11.60
269.23 ✓
0.15
269.38 ✓
11.80
257.58 ✓
0.01
257.59 ✓
11.56
246.03 ✓
0.53
246.56 ✓
11.92
234.64 ✓
0.18
234.82 ✓

Vermont St.

Sta.	B.S.	H.I.	F.S.	Add	Elev.	
		(234.82)				
8				5.2	229.6	
+13				14.0	220.8	
+35				11.5	223.3	
+50				8.6	226.2	
T.P.	11.60	246.01	0.41		234.41	
9				9.3	236.7	
+12				7.3	238.7	
T.P.	11.65	257.53	0.13		245.88	
+36				5.1	252.4	
+46				0.8	256.7	N. line Parcor St.
T.P.	11.36	267.95	0.94		256.59	
+50	8/20/61			9.6	258.3	
T.P.	11.54	279.20	0.29		267.66	x
T.P.	11.02	289.78	0.44		278.76	
10				10.2	279.6	
+20				0.7	289.1	
T.P.	8.05	297.55	0.28		289.50	
+50				6.2	291.3	
+93				5.3	292.2	Center of alley bet. Parcor and Lincoln
11				5.2	292.3	
+50				4.9	292.4	

~~0~~ 234.82
0.41
234.41 ✓
11.60
~~0~~ 246.01 ✓
0.13
245.88 ✓
11.65
~~0~~ 257.53 ✓
0.94
256.59 ✓
11.36
~~0~~ 267.95 ✓
0.29
267.66 ✓
11.54
~~0~~ 279.20 ✓
0.44
278.76 ✓
11.02
~~0~~ 289.78 ✓
0.28
289.50 ✓
8.05
~~0~~ 297.55

Vermont St.

Sta.	B. S.	H. I.	F. S.	Rod	Elev.	
		(297.55)				
12				5.1	292.4	
+50				5.3	292.2	
13				6.0	291.5	13+23 N. line Lincoln
B.M.				4.84	292.71	Plug. N.W. Vermont & Lincoln
+50				6.0	291.5	
14				4.8	292.7	
+50				4.5	293.0	
+73				4.1	293.4	
15				4.0	293.5	center of alley bet. Lincoln and Hayes
+50				4.5	293.0	
T.P.	7.76	300.81	4.50		293.05	
16				7.2	293.6	
+50				6.45	294.4	
+70				5.5	295.3	
17				4.5	296.3	
+50				4.4	296.4	
18				4.2	296.6	
+31				4.6	296.2	S. Westerly line of St. S. of Mystic Lake
+50				5.2	295.6	18+52 = Center of alley bet. Hayes and Johnson
+80				6.1	294.7	Center of Unnamed St on the S.W. border of Mystic Lakes.
B.M.			4.27		296.54	Plug. North Cor. Blk 136½

297.55
4.84
B.M. 292.71

297.55
4.50
293.05
7.76
300.81
4.27
296.54

8/2 Pump Level
Williams, Rod
Falkenstein, Chain

✓ Levels along the center of unnamed St. on the S.W. from El Cajon ave.

Lincoln ave. and the border of Mystic Lake, to Johnson St.

304.97
3.57
B.M. 301.20
Hendricks & Lincoln

Sta.	B.S.	H.I.	F.S.	Rod	Elev.	
B.M.	2.26	315.95			313.69	Plug S.E. El Cajon and Lincoln
-75				0.6	315.3	
-59				1.9	314.0	
-22				3.4	312.5	
0				3.2	312.7	West line El Cajon ave
+05				4.1	311.8	
+50				6.8	309.1	
1				8.8	307.1	
+50				10.7	305.2	
+75				11.6	304.3	
+87.7				11.2	304.7	Center Cleveland ave.
+96				12.6	303.3	
2				12.9	303.0	
+50				13.9	302.0	
3				13.7	302.2	
+50				12.5	303.4	
T.P.	0.80	304.97	11.78		304.17	
+58.5				1.3	303.7	Center of alley bet Cleveland and Hendricks
4				1.4	303.6	
+50				3.4	301.6	
5				4.0	301.0	

313.69
2.26
315.95 ✓
11.78
304.17 ✓
0.80
304.97 ✓

Lincoln Ave

Sta.	B.S.	H.I.	F.S.	Dist.	Elev.
		(304.97)			
+35				3.2	302.8
+50				2.8	302.2
+75				2.4	302.6
6				3.2	301.8
B.M.				3.77	301.20
+30				3.9	301.1
+50				3.6	301.4
+60				4.3	300.7
+75				3.4	301.6
7				4.8	300.2
+50				4.6	300.4
8				5.0	300.0
+50				5.7	299.3
9				6.4	298.6
+50				7.9	297.1
+70				6.9	298.1
10				7.8	297.2
+20				8.4	296.6
T.P.	5.65	302.05	8.57		296.40
+50				5.7	296.3
11				4.4	297.6

Center of alley bet Parcel & Lincoln ~~0~~ 304.97
8.57
Center Hendricks Ave. 296.40
5.65
~~0~~ 302.05

119 Lincoln Ave.

120

B.M. 296.55 Chk.

Sta.	B.S.	H.I.	F.S.	Rod	Elev.	
		(302.05)				
+25				5.2	296.8	
+50				5.3	296.7	
+82				6.4	295.6	Center of alley bet. Lincoln and Hayes
12				6.9	295.1	
+50				7.6	294.4	
13				9.9	292.1	
+50				9.5	292.5	
14				7.7	294.2	
+50				7.5	294.5	
15				7.4	294.6	
+50				6.4	295.6	
T.P.	5.24	300.30	6.99		295.06	
16				4.7	295.6	
+50				4.9	295.4	
17				5.0	295.3	
+50				5.2	295.1	
+72				5.4	294.9	Center alley bet Hayes and Johnston
B.M.				3.75	296.55	Bldg. NE Cor. Blk 136½
18				5.5	294.8	
+21				5.6	294.7	Center Vermont Ave.
+50				6.1	294.2	

~~302.05~~
6.99
295.06
5.24
300.30

Lincoln Ave. & Johnston St.

Sta.	B.S.	H.I.	F.S.	Rod	Elev.	
		(300.30)				
19				7.2	293.1	
+50				7.9	292.4	
20				9.1	291.2	
+50				10.9	289.4	
T.P.	1.83	292.09	10.04		290.26	
+71				7.0	285.1	Center Johnston St.
+90				11.7	280.4	Edge of deep cañon
T.P.	5.38	295.64	1.83		290.26	
8/20/61.	Levels along the Center of Johnston St. from P.L. line to Mystic Lake. (295.64)					
+95				10.4	285.2	Center of unnamed St. S. Mystic Lake
+50				5.5	290.1	
3				3.9	291.7	
+50				4.0	291.6	
2				4.2	291.4	
+50				4.8	290.8	
1				4.1	291.5	
+50				5.2	290.4	
+25				3.4	290.2	
0				7.2	288.4	P.L. line bet. University Hts & Estudillo Addn.

~~300.30~~
10.04
290.26
1.83
~~292.09~~
1.83
290.26
5.38
~~295.64~~

Levels along the center of alley bet. Bayer and Johnson St. from P.L. to St. South of Mystic Lake.

Sta.	B.S.	H.I.	F.S.	Rod	Elev.	
B.M.	3.23	299.78			296.55	Plug, N. cor. blk. 136½
0				12.4	287.4	P.L. line bet. University Hts and Estudillo
+50				11.4	288.4	
1				10.5	289.3	
+50				9.5	290.3	
+80				10.2	289.6	
2				9.0	290.8	
+50				8.3	291.5	
3				8.0	291.8	
+50				8.6	291.2	
4				6.9	293.9	
+50				5.4	294.4	
5				4.4	295.4	
+43				4.0	295.8	N. line Vermont
+50				3.9	295.9	
+63				4.2	295.6	Center "
6				4.4	295.4	
+23				4.9	294.9	Center of St. S of Mystic Lake
T.P.	2.47	290.85	11.40		288.38	

296.55
3.23
299.78
11.40
288.38
2.47
290.85

Levels along the center of ally from the P.L. line to St.

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
		(290.85)			
0					
2+90.7				11.5	279.3
3+40.7				3.7	287.1
T.P.	11.51	300.22	2.14		288.71
3+90.7				9.5	290.7
4+40.7				7.6	292.6
+90.7				7.5	292.7
5+40.7				7.2	293.0
+80.7				6.8	293.4
6+20.7				5.9	294.3
+70.7				5.3	294.9
7+20.7				4.9	295.3
+50.7				3.4	296.8
+70.7				4.2	296.0
T.P.	5.44	302.28	3.38		296.84
8+20.7				5.7	296.6
+45.7				4.8	297.5
+70.7				5.6	296.7
9+00.7				4.3	298.0
+20.7				4.7	297.6
+70.7				4.5	297.8

Set Lincoln Ave and Hayes St. south of Mystic Lake

P.L. line bet University & Estudillo

Edge of deep Canon

290.85
2.14
288.71
11.51
300.22
3.38
296.84
5.44
302.28

West line Vermont

Center " "

East " "

Alley bet Lincoln and Hayes

Sta.	B.S.	H.I.	F.S.	Rod.	Elev.
		302.28			
10+20.7				5.6	296.7
+65.7				6.7	295.6
B.M.			9.57		292.71 chk

Center of St. S.W. Mystic Lake

Plug. N.W. Vermont & Lincoln

302.28
9.57
292.71

Levels along the center of alley bet. Lincoln ave. and Pascoe St. from the P.L. line to the center of Lincoln ave.

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
B.M.	3.53	296.24			292.71
T.P.	1.90	287.12	11.02		285.22
0					
+40.5				12.0	275.1
+80.5				7.1	280.0
1+10.5				4.4	282.7
+30.5				3.6	283.5
+55.5				3.4	283.7
+78.5				3.6	283.5
+80.5				5.7	281.4
T.P.	0.11	276.16	11.07		276.05
+98.5				7.9	268.3
2+10.5				11.7	264.5
T.P.	11.60	287.65	0.11		276.05
+37.5				3.5	284.1
+55.5				1.8	285.8
T.P.	9.58	296.10	1.13		286.52
+80.5				9.6	286.5
3+30.5				8.9	287.2
+80.5				7.0	289.1
4+30.5				5.8	290.3

Plug N.W. Vermont & Lincoln

P.L. line bet. University Hts & Estudillo

Edge deep cañon

292.71
3.53
0296.24
11.02
285.22
1.90
0287.12
11.07
276.05
0.11
0276.16
0.11
276.05
11.60
0287.65
1.13
286.52
9.58
0296.10

Alley bet. Lincoln and Parcoe

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
		(296.10)			
+80.5				5.8	290.3
5+00.5				5.7	290.4
+15.5				4.7	291.4
+30.5				4.8	291.3
+40.5				5.3	290.8
+70.5				3.9	292.2
6				3.9	292.2
+25				5.7	290.4
+50				9.5	286.6
+55				10.5	285.6
T.P.	0.34	284.58	11.86		284.24
T.P.	0.23	272.83	11.98		272.60
7				9.8	263.0
+04				12.1	260.7
T.P.	11.73	284.33	0.23		272.60
+32				12.4	271.9
+41				10.4	273.9
+50				5.4	278.9
T.P.	11.65	295.33	0.65		283.68
+66				9.0	286.3
+82				5.0	290.3

West line Vermont

Center " "

296.10
11.86
284.24
0.34
284.58
11.98
272.60
0.23
272.83
0.23
272.60
11.73
284.33
0.65
283.68
11.65
295.33

Alley bet. Lincoln and Pierce

Sta.	B. S.	H. I.	F. S.	Rod	Elev.
		(295.33)			
8				3.0	292.3
+25				1.7	293.6
+50				1.1	294.2
T. P.	9.12	303.08	1.37		293.96
9				8.4	294.7
+50				8.8	294.3
+85				9.4	293.7
10				8.4	294.7
+50				8.3	294.8
11				10.0	293.1
+50				9.4	293.7
12				7.3	295.8
+50				6.3	296.8
13				5.3	297.8
+25				4.9	298.2
+50				5.0	298.1
+90				4.2	298.9
14				3.2	299.9
+10				2.5	300.6
+35				3.0	300.1
+50				2.0	301.1
15				0.8	302.3
+26.5				1.2	301.9
B.M.			1.89		301.19

295.33
1.37
293.96
9.12
303.08
1.89
B.M. 301.19 chk

Center Lincoln Ave.
Plug S.E. Lincoln and Hendricks

8/[illegible] Levels along the center of Blaine ave., from El Cajon ave to Cleveland ave.

Sta.	B. S.	H. I.	F. S.	Rod.	Elev.		
B.M.	2.06	306.69			304.63	Plug S.W. Cajon ave. w/ Blaine	304.63
							2.06
-75				0.7	306.0	Center El Cajon ave.	306.69
-55				1.6	305.1		
-20				2.5	304.2		
0				1.7	305.0	West line Cajon ave.	
+50				2.7	304.0		
+67				2.5	304.2		
1				3.8	302.9		
+50				4.2	302.5		
2				4.5	302.2		
+50				4.6	302.1		
3				5.2	301.5		
+28				5.7	301.0	East line Cleveland ave.	
+68				6.1	300.6	Center " " (approx)	

137

Levels along the center of alley in Block 189, University Heights

138

Sta.	B.S.	H.I.	F.S.	Rod	Elev.	
		(306.69)				
-40				4.2	302.5	Center Blaine Ave.
0				4.9	301.8	S line " "
+50				5.2	301.5	
1				5.8	300.9	
+50				6.2	300.5	
+52				6.2	300.5	Angle point
T.P.	4.44	304.90	6.23		300.46	
2				5.0	299.9	
+50				5.7	299.2	
3				5.8	299.1	
+50				5.6	299.3	
4+02				5.5	299.4	East line Richmond St.
+42				6.5	298.4	Center " "
B.M.			7.88		297.02	Mag. S.W. University and Maryland
					Clk	

~~0~~ 306.69
6.23
300.46
4.44
~~0~~ 304.90
7.88
297.02

8/22/01 + ✓ Levels along the Center of Alley in Block 140, University Heights, from Lincoln Ave. to Tyler St.

Ohio Level
Williams, Rod
Falkinstein, Chain

Sta.	B. S.	H. I.	F. S.	Rod	Elev.		
B.M.	10.28	311.48			301.20	Plug, S.E. Hendricks and Lincoln	301.20
0				6.3	305.2	N. line Lincoln Ave.	10.28
+50				3.9	307.6		~~0~~311.48 ✓
1				1.6	309.9		1.60
T. P.	11.66	321.54	1.60		309.88		309.88 ✓
+50				10.0	311.5		11.66
2				8.5	313.0		~~0~~321.54 ✓
+50				5.3	316.2		1.14
3				1.3	320.2		320.40 ✓
T. P.	9.37	329.77	1.14		320.40		9.37
+50				4.8	325.0		~~0~~329.77 ✓
+59				4.3	325.5	Angle point	
4				4.3	325.5		
+50				3.8	326.0		
+60				2.7	327.1		
+65				3.3	326.5		
+70				2.8	327.0		
+90				2.4	327.4		
5				2.9	326.9		
+35				3.1	326.7		
+50				1.8	328.0		

Alley through block 140

Sta.	B.S.	H.I.	F.S.	Rod	Elev.	
		(329.77)				
+75				2.0	327.8	
6				0.5	329.3	
T.P.	2.70	332.13	0.34		329.43	
+15				2.3	329.8	
+25				3.5	328.6	
+50				3.0	329.1	
7				2.3	329.8	
+50				2.2	329.9	
+64.5				2.3	329.8	S. line Tyler St
8+07.5				2.6	329.5	Center " "

~~329.77~~
0.34
329.43 V
2.70
~~332.13~~ V

8/ 143 ✓ Levels along the center of alley bet. Campus and Cleveland ave. in Block 132, from Tyler St. to Van Buren ave. 144

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
		(332.13)			
-40				7.1	325.0
0				6.5	325.6
+50				5.3	326.8
T.P.	10.06	336.49	5.70		326.43
1				9.4	327.1
+50				8.7	327.8
2				8.8	327.7
+40				11.6	324.9
+50				15.5	321.0
+59				10.3	326.2
+75				7.4	329.1
+90				5.4	331.1
3				2.6	333.9
T.P.	8.80	344.86	0.43		336.06
+50				7.9	337.0
4				6.7	338.2
+35				5.3	339.6
+50				5.6	339.3
5				5.0	339.9
+50				3.5	341.4
+60				3.1	341.8

Center Tyler St.	~~0~~ 332.13
	5.70
N. line " "	326.43 ✓
	10.06
	~~0~~ 336.49 ✓
	0.43
	336.06 ✓
	8.80
	~~0~~ 344.86 ✓

Alley bet. Compson and Cleveland

Sta.	B.S.	H.I.	F.S.	Dist	Elev.	
		(344.86)				
+85				2.7	341.2	
+98				3.0	341.9	S. line Van Buren Ave.
6+38				2.5	342.4	Center " " "

× ✓ Levels along the center of ave. to "~~A~~" st Maryland

Van Buren ave. from Campus

Sta.	B.S.	H.I.	F.S.	Rod	Elev.		
		(344.86)					
-40				0.5	344.4	Center Campus ave	~~0~~344.86
-15				1.5	343.4		11.63
							333.23 ✓
0				0.7	344.2	West line " "	0.75
							~~0~~333.98 ✓
+35				1.6	343.3		11.88
							322.10 ✓
+50				0.9	344.0		1.34
							~~0~~323.44 ✓
+75				1.9	343.0		
1				1.7	343.2		
+50				2.5	342.4	center alley (block 132)	
2				3.3	341.6		
+50				4.5	340.4		
+80				4.9	340.0		
3				5.9	339.0	East line Cleveland ave.	
+40				7.2	337.7	Center " "	
+75				8.0	336.9		
+80				8.8	336.1	West " " "	
0							
+23				10.8	334.1		
T.P.	0.75	333.98	11.63		333.23		
+50				3.1	330.9		
1				8.6	325.4		
T.P.	1.34	323.44	11.88		322.10		
+50				1.9	321.5	center alley (block 133)	

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
		(323.44)			
+70				3.5	319.9
2				7.9	315.5
T.P.	0.56	312.54	11.46		311.98
+50				2.8	309.7
3				6.4	306.1
+44				8.0	304.5
B.M.				7.17	305.37

−323.44
11.46
311.98 ✓
0.56
−312.54 ✓
7.17
B.M. 305.37 ✓

(Maryland)

East line ℄ St.
Center " "
Plug N.W. Van Buren and ℄

Levels along the centre of Lincoln Ave.

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
		(312.54)			
-40				8.0	304.5
-15				11.9	300.6
T.P.	0.23	300.94	11.83		300.71
0				5.7	295.2
T.P.	0.72	289.84	11.82		289.12
+40				7.3	282.5
+50				6.2	283.6
+75				2.7	287.1
+88				2.3	287.5
/				4.8	285.0
T.P.	4.02	282.75	11.11		278.73
+25				5.6	277.1
+33				10.0	272.7
+40				13.7	269.0
+45				9.9	272.8
+50				8.3	274.4
T.P.	10.89	293.16	0.48		282.27
T.P.	10.24	302.91	0.49		292.67
2				11.6	291.3
+25				2.7	300.2
+50				2.9	300.0

"X" St. from Van Buren to Maryland.

Centre Van Buren St. 323.44 / 11.83 / 311.61 / 0.23 / 311.84 / 11.82 / 300.02 / 0.72 / 300.74 / 11.11 / 289.63 / 4.02 / 293.65 / 0.48 / 293.17 / 10.89 / 304.06 / 0.49 / 303.57 / 10.24 / 313.81

S. line Van Buren St. 282.75 / 0.48 / 282.27 / 10.89 / 293.16 / 0.49 / 292.67 / 00.24 / 302.91 — 312.54 / 11.83 / 300.71 / 0.23 / 300.94 / 11.82 / 289.12 / 0.72 / 289.84 / 11.11 / 278.73 / 4.02 / 282.75

(Maryland) ~~F~~ St.

Sta.	B.S.	H.I.	F.S.	Rod	Elev.	
		(302.91)				
3				4.8	298.1	
+50				5.3	297.6	
4				4.9	298.0	
+25				3.7	299.2	
+50				3.2	299.7	
5				1.8	301.1	
T.P.	3.19	304.48	1.62		301.29	
+50				2.4	302.1	
6+03				2.1	302.4	N. line Tyler St.
+44				2.8	301.7	Center " "
+50				2.8	301.7	
+60				3.5	301.0	
7				5.0	299.5	
+40				7.0	297.5	
+50				8.5	296.0	
T.P.	0.24	293.17	11.55		292.93	
+71				1.4	291.8	
T.P.	0.65	282.34	11.48		281.69	
8				3.7	278.6	
T.P.	1.09	271.71	11.72		270.62	
+40				12.1	259.6	

313.81
1.62
312.19
0.24
315.38
11.55
303.83
0.24
304.07
11.48
292.59
0.65
293.24
11.72
281.52
1.09
282.61

302.91
1.62
301.29
3.19
304.48
11.55
292.93
0.24
293.17
11.48
281.69
0.65
282.34
11.72
270.62
1.09
271.71

Maryland & St.

155

Sta.	B.S.	H.I.	F.S.	Rod	Elev.
		(271.71)			
+50				9.3	262.4
+75				1.0	270.7
T.P.	11.23	281.85	1.09		270.62
9				1.9	280.0
T.P.	11.52	292.85	0.52		281.33
+25				4.6	288.2
T.P.	11.75	304.12	0.48		292.37
+46				11.0	293.1
+50				10.6	293.5
+75				8.6	295.5
10				7.3	296.8
+06				6.9	297.2
+50				5.8	298.3
11				7.3	296.8
+25				5.1	299.0
+50				5.1	299.0
+99				5.4	298.7
			2.95		301.17

301.20

156

~~0271.71~~
1.09
270.62
11.23
~~0281.85~~
0.52
281.33
11.52
0292.85
0.48
292.37
11.75
~~0304.12~~
2.95
B.M. 301.17 chk

~~0282.6~~
1.09
281.52
11.23
~~0292.7~~
0.52
292.23
11.52
~~0303.75~~
0.48
303.27
1.75
~~0301.02~~

Center Alley in block 139 (approx)

Center Lincoln ave. (approx)

Plug S. E. Lincoln and Hendricks

Sta.	B. S.	H. I.	F. S.	Rod	Elev.

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

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

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.		

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