Notes Ckd by	Survey of
Map No.	JN Tape Std PP
Office Work	Surveyed by
Checked	Notes Date
Date	Indexed

F. B. 2893 PG.

BOOK INDEX - F.B. 2893 - PAGE

LINE No. 46,

DESCRIPTION - B.M. 46-7A	- 7
1963 RELEVELING	9 TO 116
1971 RELEVELING	117 TO 176

LINE No 43

1971 RELEVELING	185 TO 224

LINE No. 11 1971 RELEVELING PORTION OFF, 225 TO 248
FROM B.M. 16-1 #1A TO 11-26A

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

PLEASE RETURN TO
COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
404 LOS ANGELES COUNTY ENGINEERING BLDG.

[redacted] microfilmed March 85

Notes Ck'd by	Survey of L.A. Co. Precise Level Net	F. B. 2893 Pg. 5
Map No.	JN 0301.02 Tape Std °F	
Office Work	Surveyed by F. E. Brooks	
Checked	Notes F. E. Brooks Date July 63	
Date	Indexed J. GALLI JUL 16 '63	

J.N. 0301.02

L.A. Co. PRECISE LEVEL NET

LINE No 46

Route

N. on Gilman Ave from Ferris Rd To San Bernardino Ave E. To Rivergrade Rd. N along Edison R/W and Rivergrade Rd. To Live Oak Ave E. To Sierra Madre Ave S. To Ramona Blvd E. To Badillo Ave E. To Puente Ave.

FE Brooks
KM Kapp
R.D. Smith
C.G. Valdez
ML Bustrum
GE Cook

76F309S C.E. #310 6-62
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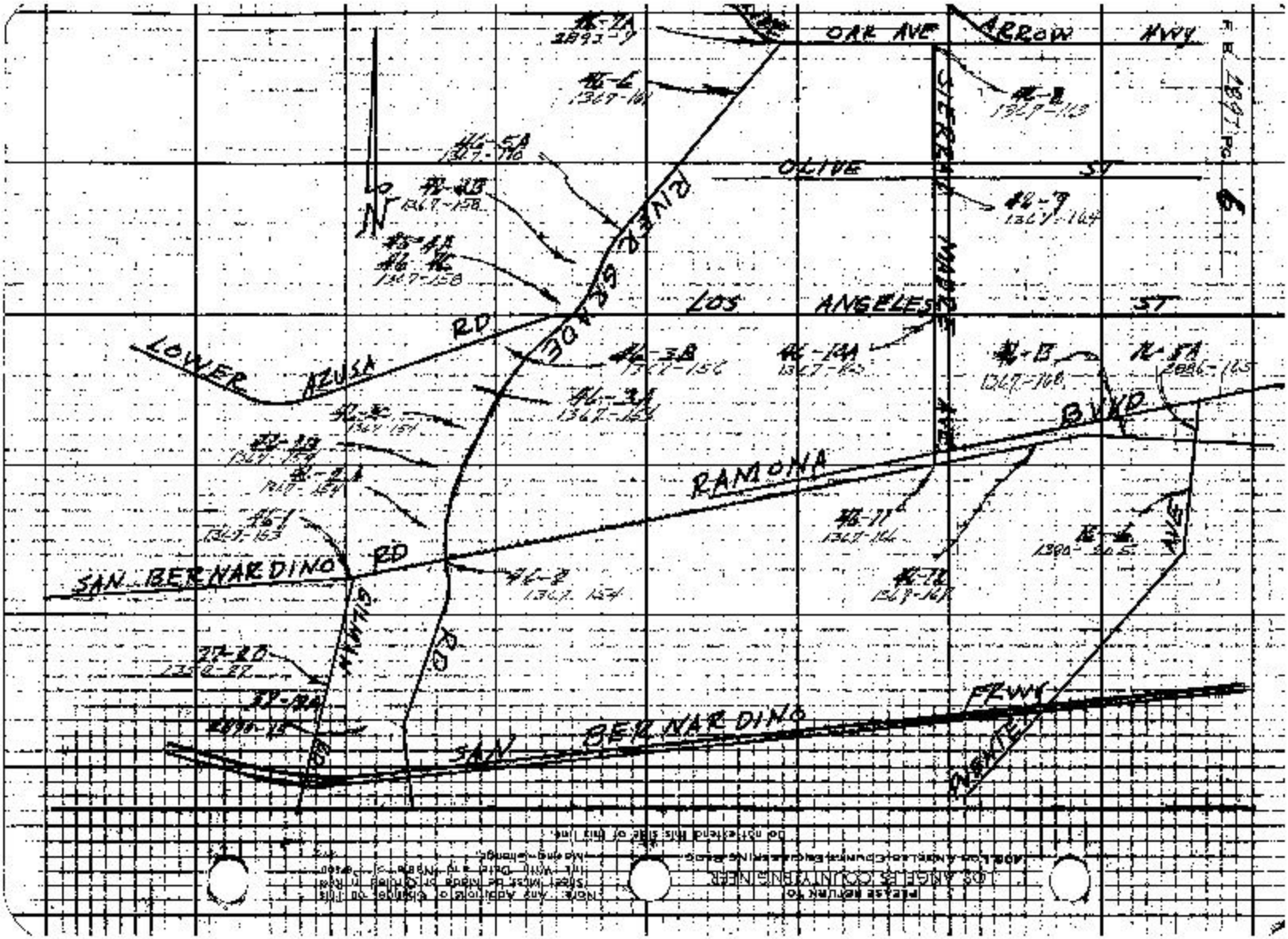
Notes: Any Additions or Changes to Original Notes, Sheet Notes, Notes on Circled Line, Map Wing Date and Name of Person Making Change.


OAK AVE
ARROW HWY
OLIVE ST
LOS ANGELES ST
LOWER AZUSA RD
RIVER GRADE RD
SIERRA MADRE AVE
RAMONA BVKD
SAN BERNARDINO RD
SAN BERNARDINO FRWY
GILMAN RD
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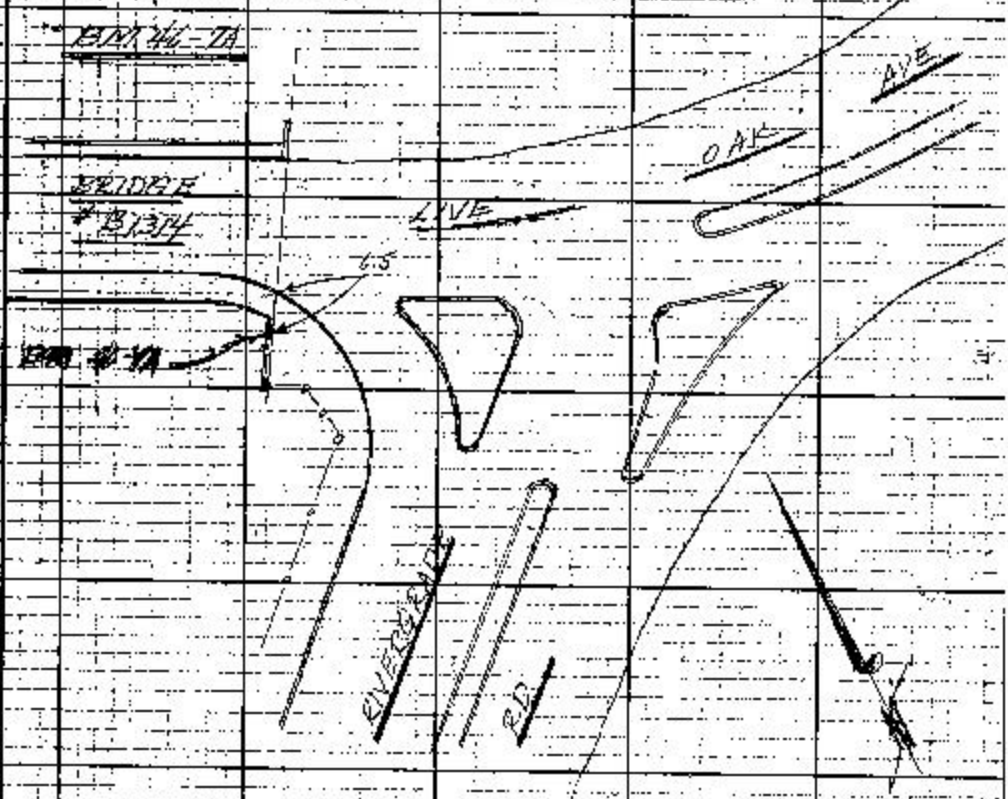
Notes Ck'd By	Surveys: S.A. Co. Precise-Level Net
Map No.	0301.62 Topo Std. °F
Office Work	Surveyed by: E. E. Brooks
Checked	Notes: E. E. Brooks Date: [illegible] 1963
Date	Indexed: [illegible] J. GALLI [illegible]

F.B. 2893 Pg. 7



BM 46-7A

This mark is at the intersection of RIVERGRADE RD. and LIVE OAK AVE. S.W. Cor. The mark is a L.A. Co. Engr. Button Brass Cap cemented into the top of the wing wall at the S.E. Cor. of Bridge #B1314, 6.5 ft. S'ly of the face of the curb. The mark is stamped BM 46-7A 1963 RE 5869

Note: Any Additions or Changes on This Sheet Must be Made or Guided in Red Ink With Date and Name of Person Making Change.

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768096 CE #247 7-58

79P629-C5 978--10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks
Notes by F. E. Brooks
Weather Clear
Time 2:35 - 3:40
Inst. No. 15266
Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 37-19A To BM 37-20
Date 3 July 1963
Indexed R. J. Gates JUL 16 63

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	4.191 4.051 3.912		.139 .140 .279			5.887 5.739 5.592		.148 .147 .295		BM 37-19A Rivergrade Rd. approx 0.25 mi N. of San Bernardino Fwy see F.B. 2890-15
	12.155	4.0517		.279	88°	17.218	5.7393		.295	
2	5.279 5.129 6.079		.150 .150 .300			6.311 6.159 6.008		.152 .151 .303		T Knapp
	15.687	5.2290		.579		18.478	6.1593		.598	
3	5.253 5.105 4.953		.153 .152 .305			5.482 5.318 5.156		.164 .162 .324		
	15.316	5.1053		.884		15.954	5.3180		.912	
4	5.640 5.468 5.293		.172 .175 .347			9.140 8.988 8.832		.152 .156 .308		
	16.401	5.4670		1.231		26.960	8.9867		1.220	
5	3.217 3.210 3.105		.107 .105 .212			10.437 10.330 10.227		.107 .103 .110		
	9.632	3.2107		1.443		30.994	10.3313		1.440	
	69.191	23.0637				104.604	8.5341			

F.B. 2897 P.G. 9

76P526-CE 379—10-37

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks
Notes by: E. E. Brooks
Weather: Clear
Time: 2:35 – 3:40
Inst. No.: 15066
Rod No.: 19-20

L.A. Co. Precise Level Net
Name:
Job No.: 0301.02
From: BM 37-19A To: BM 37-20
Date: 8 July 1963
Indexed: G. J. GALL

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	69.191					109.604				
	6.657	26.0367	.155	1.443		1.720	36.5246	.161	1.440	
	5.502		.153			1.559		.161		
6	5.349		.308			1.398		.322		
	16.508	5.5027		1.751		4.677	1.5590		1.762	
	1.398		.106			4.551		.113		
	1.292		.102			4.438		.117		
7	1.190		.208			4.321		.230		
	3.880	1.2933		1.258		13.310	4.4367		1.192	
	11.178		.061			0.642		.048		
	11.117		.066			0.564		.045		
8	11.051		.127			0.481		.153		
	33.352	11.1173		2.030		1.695	0.5650		2.145	
	6.144		.156			5.425		.125		
	5.988		.158			5.297		.124		
9	4.830		.314			5.175		.250		
	23.962	7.9873		2.344		15.899	5.2997		2.395	
	5.490		.159			5.159		.155		
	2.331		.160			5.004		.154		
10	2.171		.319			4.850		.309		
	6.992	2.3307		2.713		15.013	5.0043		2.704	
	153.885	51.2950				160.148	53.3993			

F.B. 2893 P.G. 10

758526-CE 372 10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 2:35 - 3:40 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM37-19A To BM37-20
Date 8 July 1963
Indexed R. J. GALLE

Number of Station	BACKSIGHT Thread Readings 153.885	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 160.198	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
11	7.599	51.7950	.058	2.713		3.130	53.7993	.058	2.704	
	7.541		.058			3.072		.059		
	7.483		.116			3.013		.117		
	22.623	7.5410		2.829		9.215	3.0717		2.821	
12	7.561		.109			5.789		.117		
	7.452		.110			5.672		.118		
	7.342		.219			5.554		.235		
	22.355	7.4517		3.048		17.015	5.6717		3.056	
13	5.310		.192			6.289		.172		
	5.118		.188			6.108		.176		
	4.930		.380			5.932		.348		
	15.358	5.1193		3.428		18.320	6.1067		3.404	
14	5.442		.173			6.711		.160		
	5.269		.171			6.751		.160		
	5.098		.344			6.591		.320		
	15.809	5.2697		3.772		20.253	6.7510		3.724	
15	5.278		.165			5.203		.175		
	5.113		.165			5.028		.176		
	4.948		.330			4.852		.351		
	15.339	5.1130		4.102		15.083	5.0277		4.075	
	245.367	81.7897				290.084	80.0281			

F.B. 2893 P.G. 11

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by E. E. Brooks Time 2:35-3:40 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0701.02
From BM37-19A To BM37-20
Date 8 July 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	245.369					240.084				
16	5.672	81.7897	.176	4.102		5.638	80.0281	.177	4.075	
	5.496		.176			4.861		.173		
	5.320		.352			4.688		.350		
	16.488	5.4960		4.454		14.587	4.8623		4.425	
17	5.675		.170			4.838		.178		Summation of Run
	5.505		.170			4.660		.180		From B.M. 37-19A
	5.335		.340			4.480		.358		To B.M. 37.20
	16.515	5.5050		4.789		13.978	4.6593		4.783	
18	6.272		.177			6.071		.173		BM 37-20
	6.095		.176			5.898		.176		Gilman Ave. at Ferris Rd.
	5.919		.353			5.722		.349		See F.B. 1356-27
	18.286	6.0953		5.147	92°	17.691	5.8970		5.132	
										Total Backsights = + 98.8860
										Total Foresights = − 95.4467
										Diff. Elev. = + 3.4393
										Backsight stadia = 5.147
										Foresight Stadia = 5.132
										= 10.269
	296.658					286.340				= .65 mi.
		98.8860					95.4467			

F.B. 2893 P.G. 12

WJm

7ef826-CE 370 10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Overcast Inst. No. 15066
Notes by F. E. Brooks Time 8:40 - 9:35 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 37-20 To BM 37-19A
Date 3 July 1963
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	6.250 6.075 5.900 18.225	6.0750	.175 .175 .350	.350	68°	6.450 6.272 6.098 18.820	6.2733	.178 .174 .352	.352	BM 37-20 Gilman Rd at Ferris Rd. see FB. 1358-27
2	5.362 5.188 5.010 15.560	5.1867	.174 .178 .352	.702		6.209 6.034 5.860 18.103	6.0343	.175 .174 .359	.711	A. Kapp
3	5.160 4.984 4.810 14.954	4.9847	.176 .176 .350	1.052		5.295 5.616 5.[illegible] 16.854	5.6180	.177 .177 .354	1.065	
4	5.439 5.268 5.096 15.803	5.2677	.171 .172 .343	1.395		5.528 5.350 5.173 16.051	5.3503	.178 .177 .355	1.420	
5	7.008 6.847 6.683 20.538	6.8460	.161 .164 .325	1.720		5.536 5.362 5.192 16.090	5.3633	.174 .170 .344	1.764	
	85.080	283.601				85.918	286.392			

F.B. 2893 F.G. 13

76P526-CE 879—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks — Weather: Overcast — Inst. No.: 15066
Notes by: F. E. Brooks — Time: 8:40 - 9:35 — Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 37-20 To: BM 37-19A
Date: 9 July 1963
Indexed: B. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread intervals	Sum of intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread intervals	Sum of intervals	DESCRIPTION AND REMARKS
	85.090					85.918				
6	6.230	283.601	.173	1.020		5.258	286.392	.189	1.964	
	6.057		.176			5.069		.189		
	5.881		.349			4.880		.378		
	18.168	6.0560		2.069		15.207	5.0690		2.142	
7	5.941		.122			7.730		.101		
	5.819		.124			7.629		.103		
	5.695		.246			7.526		.204		
	17.545	5.8483		2.315		22.885	7.6283		2.546	
8	3.217		.059			7.689		.059		
	3.158		.059			7.630		.059		
	3.101		.116			7.571		.118		
	9.476	3.1587		2.431		22.890	7.6300		2.464	
9	5.179		.151			2.449		.160		
	4.968		.154			2.289		.160		
	4.814		.305			2.129		.320		
	14.901	4.9670		2.976		6.867	2.2890		1.464	
10	6.590		.143			8.270		.134		
	6.447		.147			8.133		.135		
	6.300		.290			7.998		.272		
	16.337	5.4457		3.026		24.401	8.1337		3.056	
	161.507	538.358				178.168	593.892			

F.B. 8893 P.G. 14

79P526-CK 479--10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Overcast Inst. No. 15066
Notes by F. E. Brooks Time 8:40 - 9:35 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 37 20 To BM 37-19A
Date 9 July 1963
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	161.507					178.169				
11	0.603	538.358	.079	3.026		11.135	593.892	.060	3.052	
	0.524		.075			11.078		.061		
	0.448		.154			11.014		.121		
	1.575	0.5250		3.180		33.233	11.0797		3.177	
12	4.651		.113			1.497		.106		
	4.538		.116			1.391		.102		
	4.472		.227			1.289		.208		
	13.611	4.5370		3.409		4.177	1.3923		3.385	
13	1.820		.162			5.655		.155		
	1.558		.162			5.500		.151		
	1.396		.324			5.349		.306		
	4.674	1.5580		3.833		16.504	5.5013		3.691	
14	10.508		.108			3.293		.108		
	10.400		.105			3.282		.104		
	10.295		.313			3.178		.212		
	31.203	10.4010		3.946		9.850	3.2833		3.903	
15	8.830		.162			5.312		.164		
	8.668		.162			5.148		.164		
	8.506		.324			4.981		.331		
	26.004	8.6680		4.240		15.441	5.1470		4.234	
	238.574	795.248				257.373	857.908			

F.B. 2893 P.G. 15

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Overcast Inst. No. 15066
Notes by F. E. Brooks Time 8:40 - 9:35 Rod No. 19 - 20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From B.M. 37-20 To BM 37-19A
Date 9 July 1963
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	238.574					257.373				
16	5.419	795.248	.160	4270		5.142	857.908	.153	4234	
	5.259		.161			5.042		.152		
	5.098		.321			4.890		.305		
	15.776	5.2587		4591		15.127	5.0423		4539	
17	6.269		.144			5.355		.160		Summation of Run
	6.125		.145			5.195		.160		From B.M. 37-20
	5.980		.289			5.035		.320		To B.M. 37-19A
	18.374	6.1247		4890		15.585	5.1950		4259	
18	6.923		.143			4.232		.142		BM 37-19A,
	5.780		.147			4.090		.142		Rivergrade Rd Approx. 0.25 Mi No. of
	5.633		.290			3.950		.282		San Bernardino Fwy.
	17.336	5.7787		5170	72°	12.272	4.0907		5121	See FB. 2890-15
F.B. 2893 P.G. 16										Total Backsights = + 966.869
										Total Foresights = − 100.188
										Diff. Elev. = − 34.319
										Backsight stadia = 5.170
										Foresight Stadia = 5.141
	290.060					300.357				Total Stadia 10.311
	966.969					1001.188				= .65 Mi

76P826-CE 379 10-57

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Chief of Party... E. E. Brooks
Notes by... F. E. Brooks
Weather Hazy
Time 10:10 – 11:05
Inst. No. 15066
Rod No. 19420

Name L. A. Co. [illegible]
Job No. 030102
From BM 37-20 To BM 46-1
Date 9 Jul, 1963
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	7.200		.141			4.865		.144		BM 37-20
	7.057		.141			4.721		.141		Gilman Rd. at Ferris Ave
	6.918		.282			4.580		.285		See F.B. 1358-07
	21.177	7.0590		.282	76°	14.166	4.7220		.285	
2	6.041		.142			5.449		.159		π Kapp
	5.929		.144			5.290		.155		
	5.785		.286			5.135		.314		
	17.785	5.9283		.568		15.874	5.2913		.599	
3	6.237		.155			5.190		.156		
	6.082		.152			5.034		.153		
	5.930		.307			4.881		.309		
	18.249	6.0830		.875		15.105	5.0350		.908	
4	5.481		.159			4.290		.163		
	5.622		.156			4.127		.166		
	5.466		.315			3.961		.329		
	16.869	5.6230		1.190		12.378	4.1260		1.234	
5	5.016		.145			6.075		.166		
	5.470		.150			7.909		.167		
	5.320		.298			7.742		.333		
	16.408	5.4693		1.488		23.726	7.9087		1.570	
	90.488	30.1622				81.249	27.0830			

F.B. 2813 P.G. 17

PLEASE RETURN TO
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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks
Notes by: F. E. Brooks
Weather: Hazy
Time: 10:10 – 11:05
Inst. No. 15066
Rod No. 19 & 20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM 39-20 To: BM 46-1
Date: 9 July 1963
Indexed: E. J. GALLO

Number of Station	BACKSIGHT Thread Readings 90.488	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 81.299	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	2.661	30.1626	.157	1.488		6.161	29.0830	.142	1.576	
	2.504		.155			6.019		.141		
	2.349		.312			5.878		.287		
	7.514	2.5047		1.800		18.058	6.0193		1.853	
7	5.310		.158			4.990		.149		
	5.152		.157			4.841		.146		
	4.995		.315			4.695		.295		
	15.457	5.1523		2.415		14.526	4.8420		2.448	
8	5.698		.159			4.865		.157		
	5.539		.154			4.712		.150		
	5.380		.318			4.562		.307		
	16.617	5.5390		2.433		14.139	4.7130		2.451	
9	5.602		.152			4.592		.147		
	5.456		.150			4.445		.148		
	5.306		.302			4.297		.295		
	16.368	5.4560		2.433		13.304	4.4347		2.446	
10	5.769		.141			5.122		.152		
	5.628		.140			4.970		.154		
	5.488		.281			4.816		.306		
	16.885	5.6283		2.914		14.908	4.9693		2.959	
	113.329	54.4429				122.184	52.0613			

T.B. 1497 P.G. 18

76P826-CE 375—10-57

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Hazy Inst. No. 15062
Notes by F. E. Brooks Time 10:10 – 11:05 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 5501.02
From BM 37.20 To BM 46-1
Date 9 July 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings 163.359	Mean	Thread Intervals	Sum of Intervals 30	B. S. Rod and Temp.	FORESIGHT Thread Readings 152.784	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
11	4.438	54.4429	.145	2.914		5.317	52.0213	.138	2.752	
	4.293		.142			5.177		.138		
	4.151		.297	3		5.041		.276	3	
	12.882	4.2940		3.801		15.537	5.1790		3.228	
12	5.890		.148			5.464		.148		
	5.742		.144			5.316		.149		
	5.598		292	5		5.169		.295	6	
	17.230	5.7433		3.497		15.949	5.3163		3.893	
13	6.040		.150			5.466		.154		
	5.890		.150			5.312		.151		
	5.740		300	8		5.161		.305	9	
	17.670	5.8900		3.893		15.939	5.3130		3.828	
14	5.964		.152			5.183		.160		
	5.812		.155			5.023		.164		
	5.612		.307	2		4.812		.321	2	
	17.448	5.8160		4.800		15.018	5.0227		4.849	
15	6.292		.154			4.977		.136		
	6.135		.154			4.801		.132		
	5.981		.311	5		4.669		.268	5	
	18.408	6.1360		4.811		12.907	4.3023		4.817	
	246.967	82.3222				231.581	77.1946			

F.B. 2897 P.G. 19

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Hazy Inst. No. 15066
Notes by E. E. Brooks Time 10:10 - 11:05 Rod No. 19-20

E.A. Co. Precise Level NW
Name
Job No. 6301.07
From BM 37-20 To BM 46-1
Date 9 July 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	246.967					237.584				
16	7.615	82.3722	.146	4.511		3.662	77.1946	.150	4.517	Summation of Run
	7.469		.147			3.512		.150		From B.M. 37-20
	7.320		.295			3.362		.300		To B.M. 46-1
	22.404	7.4680		4.806		10.536	3.5120		4.817	
17	6.599		.147			3.912		.142		Total Backsights = + 108.3452
	6.452		.144			3.770		.142		Total Foresights = − 93.3653
	6.308		.291			3.628		.284		Diff. Elev. =
	19.359	6.4530		4.997		11.310	3.7700		5.001	+ 14.9799
18	5.992		.156			3.963		.157		Backsight stadia = 5.585
	5.836		.158			3.810		.153		Foresight Stadia = 5.588
	5.678		.314			3.657		.306		Total Stadia = 11.373
	17.506	5.8353		5.311		11.430	3.8100		5.307	= .7 mi.
19	6.403		.135			5.219		.140		BM 46-1 (Ft Monte L-3)
	6.268		.139			5.079		.141		Gilman Rd at San Bernardino
	6.129		.274			4.938		.281		Rd.
	18.800	6.2667		5.585	76°	15.236	5.0787		5.588	See F.B. 1267-157
	325.036	108.3452				280.096	93.3653			

F.B. 2897 P.G. 20

[illegible]

75P526-CE 376—10 87

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by K. M. Kapp Time 1:40-2:45 Rod No. 14-20

Name E.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-1 To BM 37-20
Date 7-10-63
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	4.833		142		19	6.015		138		BM 46-1 (El Monte 2-3)
	4.691		142			5.877		139		Gilman Rd at San Bernardino
	4.549		284			5.738		277		Rd.
	14.073	4.6910		.284	84°	17.630	5.8767		.277	See F.B. 1319-153
2	3.653		152			5.683		158		
	3.501		156			5.525		157		" Bustrum
	3.345		308			5.368		315		
	10.499	3.4997		.592		16.576	5.5253		.592	
3	3.635		143			6.320		150		
	3.492		144			6.170		147		
	3.348		287			6.023		297		
	10.475	3.4917		.879		18.513	6.1710		.889	
4	3.350		148			7.303		148		
	3.202		152			7.155		148		
	3.050		300			7.007		296		
	9.602	3.2007		1.179		21.465	7.1550		1.185	
5	4.088		146			5.921		146		
	3.942		147			5.775		145		
	3.795		293			5.630		291		
	11.825	3.9417		1.472		17.326	5.7753		1.476	
	56.494	18.8248				91.510	30.5033			

F.B. 2893 P.G. 21

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15266
Notes by K. M. Kapp Time 1:40-2:45 Rod No. 1920

Name L.A. Co. Precise Level Net
Job No. 0311.02
From BM46-1 To BM37-20
Date 7-10-63
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	52.494					41.370				
6	4.818	18.8248	163	1.472		5.603	30.5037	153	1.476	
	4.655		160			5.450		150		
	4.495		323			5.300		303		
	13.968	4.6560		1.795		16.353	5.4510		1.779	
7	5.090		150			5.670		150		
	4.940		150			5.520		152		
	4.790		300			5.368		302		
	14.820	4.9400		2.095		16.558	5.5193		2.081	
8	5.115		150			5.542		147		
	4.965		150			5.395		147		
	4.815		300			5.248		294		
	14.895	4.9650		2.395		16.185	5.3950		2.375	
9	4.965		138			4.085		143		
	4.827		137			3.942		140		
	4.690		275			3.802		283		
	14.482	4.8273		2.670		11.829	3.9430		2.658	
10	4.807		152			5.455		140		
	4.655		153			5.315		140		
	4.502		305			5.175		280		
	13.964	4.6547		2.975		15.945	5.3150		2.938	
	128.603	42.8678				168.780	56.1266			

F.B. 2893 P.G. 22

79P526-OK 379—10-57

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ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by K. M. Kapp Time 1:40 - 2:45 Rod No. 19 & 20

Name EA Co. Precise Level Net
Job No. 0301.02
From 26M 46-1 To BM 37-20
Date 7-10-63
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings 128.703	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 168.786	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
11	4.845	42.8678	150	2.975		5.868	56.1266	153	2.938	
	4.695		148			5.715		150		
	4.547		298			5.565		303		
	14.087	4.6957		3.273		17.148	5.7160		3.241	
12	4.338		148			5.180		163		
	4.190		150			5.017		162		
	4.040		298			4.855		325		
	12.568	4.1893		3.571		15.052	5.0173		3.566	
13	4.728		155			5.032		149		
	4.573		158			4.883		148		
	4.415		313			4.735		297		
	13.716	4.5720		3.884		14.650	4.8833		3.863	
14	6.088		153			2.569		147		
	5.935		152			2.422		150		
	5.783		305			2.272		297		
	17.806	5.9353		4.189		7.263	2.4210		4.160	
15	7.708		158			5.269		160		
	7.550		155			5.109		158		
	7.395		313			4.951		318		
	22.653	7.5510		4.502		15.329	5.1097		4.478	
	109.433	69.8111				237.872	79.2739			

F.B. 2897 P.G. 23

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by K. M. Kapp Time 1:40 - 2:45 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 6301.02
From BM46-1 To BM37-20
Date 7-10-63
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings 209.433	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 237.822	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
16	3.871	69.8411	161	4.502		5.367	99.2739	162	4.478	Summation of Run
	3.710		162			5.205		158		From B.M. 46-1
	3.548		323			5.047		320		To B.M. 37-20
	11.129	3.7097		4.825		15.619	5.2063		4.798	
17	4.742		155			5.790		152		Total Backsights = + 87.0508
	4.587		152			5.638		153		Total Foresights = − 102.0349
	4.435		307			5.485		305		Diff. Elev. = − 14.9841
	13.764	4.5880		5.132		16.913	5.6377		5.103	
18	4.778		155			5.402		142		Backsight-stadia = 5.706
	4.623		158			5.260		142		Foresight Stadia = 5.694
	4.465		313			5.118		284		Total Stadia = 11.400
	13.866	4.6220		5.445		15.780	5.2600		5.387	= .22 mi.
19	4.450		129			6.810		152		BM 37-20
	4.321		132			6.658		155		Gilman Rd at Ferris Ave
	4.189		261			6.503		307		See F.B. 1358-27
	12.960	4.3200		5.706	86°	19.971	6.6570		5.694	
	261.152	87.0508				306.105	102.0349			

F.B. 2897 P.G. 24

75F528-CE 375—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Hazy Inst. No. 15066
Notes by F. E. Brooks Time 11:15 - 11:40 Rod No. 19820

Name [illegible]
Job No. 6301.02
From BM 46-1 To BM 46-2
Date 9 July 1967
Indexed C. J. GAIN

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	7.890		.149			5.379		.149		BM 46-1 (El Monte L 3)
	7.741		.150			5.190		.149		Gilman Rd at San Bernardino
	7.591		.299			5.041		.298		Rd.
	23.222	7.7407		.299	96°	15.570	5.1900		.298	See FB. 1367-153
2	5.430		.150			4.391		.151		
	5.280		.150			4.240		.149		T Kapp
	5.130		.300			4.091		.300		
	15.840	5.2800		.599		12.722	4.2407		.598	
3	5.992		.151			5.462		.146		
	5.848		.155			5.316		.146		
	5.691		.326			5.170		.292		
	17.540	5.8467		.905		15.948	5.3160		.890	
4	5.969		.140			5.504		.147		
	5.829		.139			5.360		.148		
	5.690		.279			5.212		.295		
	17.488	5.8293		1.184		16.079	5.3597		1.185	
5	5.950		.150			5.816		.164		
	5.800		.150			5.652		.162		
	5.650		.300			5.490		.326		
	19.400	5.8000		1.484		16.958	5.6527		1.511	
	91.490	30.4967				77.277	25.7591			

F.B. 2897 P.G. 25

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Hazy Inst. No. 15066
Notes by E. E. Brooks Time 11:15 – 11:40 Rod No. 19820

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-1 To BM 46-2
Date 9 July 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings 91.790	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 77.277	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	6.118	30.4967	.140	1.484		5.421	25.7591	.143	1.511	
	5.978		.139			5.278		.144		
	5.839		.279			5.134		.287		
	17.935	5.9783		1.863		15.833	5.2777		1.798	
7	6.489		.125			5.431		.119		Summation of Run
	6.364		.123			5.312		.115		From B.M. 46-1
	6.241		.248			5.197		.234		To B.M. 46-2
	19.094	6.3647		2.011		15.940	5.3133		2.032	
8	4.948		.105			7.293		.094		BM 46-2 (Puente A-3)
	4.843		.102			7.199		.098		San Bernardino Rd. &
	4.741		.207			7.101		.192		River Grade Rd.
	14.532	4.8440		2.218	78'	21.593	7.1977		2.224	See F.B. 1367-155
										Total Backsights = + 47.6837
										Total Foresights = − 43.5478
										Diff. Elev. = + 4.1359
										Backsight stadia = 2.218
										Foresight Stadia = 2.224
										Total Stadia = 4.442
	143.051					130.643				= 0.28 mi.
		47.6837					43.5478			

F.B. 2897 P.G. 26

75P826-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by K. M. Kapp Time 1:05-1:35 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-2 To BM 46-1
Date 7-10-63
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	7.048		097		19	4.702		103		BM 46-2 (Pounts A-3)
	6.951		098			4.599		102		San Bernardino Rd. &
	6.853		195			4.497		205		River Grade Rd.
	20.852	6.9507		.195	84°	13.778	4.5993		.205	See F.B. 1367-155
2	5.150		117			6.207		124		
	5.033		120			6.083		120		T. Bustrum
	4.913		237			5.963		244		
	15.096	5.0320		.432		18.253	6.0843		.449	
3	5.048		143			5.745		140		
	4.905		142			5.605		140		
	4.763		285			5.465		280		
	14.716	4.9053		.717		16.815	5.6050		.729	
4	5.468		160			5.608		150		
	5.308		159			5.458		153		
	5.149		319			5.305		303		
	15.925	5.3083		1.036		16.371	5.4570		1.032	
5	5.142		145			5.610		142		
	4.997		145			5.468		140		
	4.852		290			5.328		282		
	14.991	4.9970		1.326		16.406	5.4687		1.314	
	81.580	27.1933				81.643	27.2143			

F.B. 1893 PG. 27

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by K. M. Kapp Time 1:05-1:35 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-2 To BM 46-1
Date 7-10-63
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings 81.580	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 81.693	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	5.155	27.1933	147	1.326		5.688	27.2143	153	1.314	
	5.008		145			5.535		152		
	4.863		292			5.383		305		
	15.026	5.0087		1.618		16.606	5.5353		1.617	
7	4.113		148			5.150		148		Summation of Run
	3.965		150			5.002		150		From B.M. 46-2
	3.815		298			4.852		298		To B.M. 46-1
	11.893	3.9643		1.916		15.004	5.0013		1.917	
8	4.798		153			7.345		148		BM 46-1 (El Monte 2-3)
	4.645		152			7.197		147		Gilman Rd. & San
	4.493		305			7.050		295		Bernardino Rd.
	13.936	4.6453		2.221	84°	21.572	7.1973		2.212	See F.B. 1367-153
F.B. 2817 PG. 28										Total Backsights = + 40.8116
										Total Foresights = − 44.9482
										Diff. Elev. = − 4.1366
										Backsight Stadia = 2.221
										Foresight Stadia = 2.212
										Total Stadia = 4.433
										= .28 mi.
	122.435	40.8116				134.845	44.9482			

76P526-CE 878—10-57

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE ON CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party R. E. Brooks Weather Clear Inst. No. 15066
Notes by E. E. Brooks Time 12:55 - 1:05 Rod No. 18420

Name B.A. Co. Precise Level Net
Job No. 6301.02
From B.M. 46-2 To B.M. 46-2A
Date 9 July 1961
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7.162		.200			8.122		.211		B.M. 46-2 (PUENTE A-3)
	6.989		.198			7.912		.210		SAN BERNARDINO RD & RIVERGRADE RD.
	6.791		.398			7.702		.421		F.B. 1367-154 FOR DESC.
1	20.919	6.9897		.398	86°	23.737	7.9123		421	
	2.023		.206			11.942		.191		T Cook
	1.823		.201			11.752		.187		Summation of Run
2	1.622		.401			11.565		.348		From B.M. 46-2
	5.468	1.8227		.799		35.260	11.7533		.799	To B.M. 46-2A
	5.592		.132			4.562		.145		BM 46-2A
	5.411		.130			4.517		.146		S.C. Edison Tower 110-5 W. side
3	5.281		.262			4.371		.291		of Rivergrade Rd.
	16.134	5.4113		1.061	80°	13.550	4.5167		1.090	See F.B. 1367-154
			N. G.							Total Backsights = + 14.2237
										Total Foresights = − 24.1823
										Diff. Elev. = − 9.9586
			F.E. 13							Backsight stadia = 1.061
										Foresight Stadia = 1.090
										Total Stadia = 2.151
	42.671					72.547				= 0.14 mi.
		14.2237					24.1823			

F.B. 1367 P.G. 29

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Broat — Weather: Hazy — Inst. No. 15066
Notes by: K. M. Kapp — Time: 11:30 – 11:40 — Rod No. 19820

Name: B.A. Co. Precise Level Net
Job No. 0301.02
From: BM 46-2A To: BM 46-2
Date: 7-10-63
Indexed: E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4.696		.140			5.596		.136		BM 46-2A
	4.556		.140			5.460		.139		S.C. Edison Tower 110-5
1	4.416		.280			5.321		.275		W. side of River Grade Rd.
	13.668	4.5560		.280		16.377	5.4590		.275	See F.B. 1367-154
	11.687		.187			1.751		2.00		T. Cook
	11.500		.186			1.551		2.00		Summation of Run
2	11.314		.373			1.351		4.00		From B.M. 46-2A
	34.501	11.5003		.653		4.653	1.5510		.675	To B.M. 46-2
	8.091		.211			7.106		.199		BM 46-2 (Fuente A-3)
	7.830		.210			6.907		.200		San Bernardino Rd. &
3	7.620		.421			6.707		.399		River Grade Rd.
	23.491	7.8303		1.074	78°	20.720	6.9067		1.074	See F.B. 1367-154
										Total Backsights = + 23.8866
										Total Foresights = − 13.9167
										Diff. Elev. = +9.9699
										Backsight stadia = 1.074
										Foresight Stadia = 1.074
										Total Stadia = 2.148
										= .14 mi
	91.060	23.8866				41.750	13.9167			

F.B. 1367 P.G. 30

N.G.

F.E.B.

76F826-CE 379—10-57

PLEASE RETURN TO
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ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by K. M. Kapp Time 3:00 – 3:05 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-2 To BM 46-2A
Date 7-10-63
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	7.090		200		19	8.030		212		BM46-2 (Pocate A3)
	6.890		200			7.818		211		San Bernardino Rd. and
	6.690		400			7.607		423		Rivergrade Rd.
	20.670	6.8900		.400	86°	23.455	7.8183		.423	See F.B. 1369-154
2	1.008		200			10.952		183		
	0.808		200			10.769		184		T Cook
	0.608		400			10.585		367		
	2.424	0.8080		.800		32.306	10.7687		.790	
3	5.584		135			4.641		139		BM 46-2A
	5.449		136			4.502		141		S.C. Edison Tower #110-5 W.
	5.313		271			4.361		280		side of Rivergrade Rd.
	16.346	5.4487		1.071	86°	13.504	4.5013		1.070	See F.B. 1369-15[illegible]
						Summation of Run From B.M. 46-2 To B.M. 46-2A				Total Backsights = + 13.1467
										Total Foresights = − 23.0883
										Diff. Elev. = 9.9416
										Backsight stadia = 1.071
										Foresight Stadia = 1.070
										Total Stadia = 2.141
										= .14 mi.
	38.440	13.1467				69.265	23.0883			

N.G.
FEB

F.B. 2893 P.G. 31

PLEASE RETURN TO
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ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by K. M. Kapp Time 3:15–3:25 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-24 To BM 46-2
Date 7-10-63
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	4.521		140		19	5.468		132		BM 46-24
	4.381		140			5.329		136		S.C. Edison Tower No. 5
	4.241		280			5.198		275		W. side River Grade Rd.
	13.143	4.3810		.280	66°	15.990	5.3300		.275	See F.B. 1367-154
2	11.030		183			1.058		199		T. Cook
	10.847		184			0.859		199		
	10.663		367			0.660		398		
	32.540	10.8467		.647		2.577	0.8590		.673	
3	8.123		213			7.185		200		BM 46-2 (Puente A-3)
	7.910		210			6.985		200		San Bernardino Rd. S.
	7.700		423			6.785		400		River Grade Rd.
	23.733	7.9110		1.070		20.955	6.9850		1.073	See F.B. 1367-154
F.B. 2847 P.G. 32										
	69.416	23.1387				39.522	13.1740			

Summation of Run
From B.M. 46-24
To B.M. 46-2

Total Backsights = + 23.1387
Total Foresights = − 13.1740
Diff. Elev. = + 9.9647

Backsight stadia = 1.070
Foresight Stadia = 1.073
Total Stadia = 2.143 = .14 mi.

76F826-CE 375—10-57

PLEASE RETURN TO
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ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Hazy Inst. No. 15066
Notes by K. M. Kepp Time 8:35 - 8:45 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-2 To BM 46-2A
Date 7-11-63
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7.330		198		19	8.276		218		BM46-2 (Puente A-3)
	7.132		196			8.058		217		San Bernardino Rd and
1	6.936		394			7.841		435		Rivergrade Rd.
	21.398	7.1327		.394	70°	24.175	8.0583		.435	See F.B. 1367-154
	1.478		206			10.519		183		T. Valdez
	1.272		203			10.336		185		
2	1.067		407			10.151		368		
	3.819	1.2730		.803		31.006	10.3353		.803	
	4.815		138			4.789		140		BM 46-2A
	4.677		138			4.649		138		S.C. Edison Tower 110-5
3	4.539		276			4.511		278		W. Side River Grade Rd.
	14.031	4.6770		1.079	74°	13.949	4.6497		1.081	See F.B. 1367-154
	39.248					69.130				
		13.0827					23.0433			

Summation of Run
From B.M. 46-2
To B.M. 46-2A

Total Backsights = + 13.0827
Total Foresights = − 23.0433
Diff. Elev. = − 9.9606

Backsight stadia = 1.079
Foresight Stadia = 1.081
Total Stadia = 2.150 = 0.14 mi

F.B. 2893 PG. 33

PLEASE RETURN TO
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ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party ..... Weather ..... Inst. No. .....
Notes by ..... Time ..... Rod No. .....

Name .....
Job No. .....
From ..... To .....
Date .....
Indexed C. J. GALLI

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT				DESCRIPTION AND REMARKS
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals	
F.B. 2693 PG. 34										

78P526-CE 379—10-57

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather clear Inst. No. 15066
Notes by F. E. Brooks Time 1:10 - 1:25 Rod No. 13820

Name L.A. Co. Precise Level No.
Job No. 0301.02
From B.M. 46-2A To B.M. 46-2B
Date 9 July 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	4.708		.140			4.952		.153		B.M. 46-2A S.C. EDISON Co.
	4.568		.141			4.799		.159		TOWER 110-5 W. SIDE RIVERGRADE RD.
	4.424		.281			4.642		.310		F.B. 1367-154 FOR DESC.
	13.703	4.5677		.281	86°	14.393	4.7977		.310	
2	5.926		.145			5.202		.144		T. Cook
	5.783		.145			5.058		.146		
	5.638		.290			4.912		.290		
	17.349	5.7830		.571		15.172	5.0573		.600	
3	6.098		.159			5.144		.156		
	5.939		.160			4.988		.156		
	5.779		.319			4.832		.312		
	17.816	5.9387		.390		14.964	4.9880		.912	
4	5.573		.141			4.759		.161		
	5.432		.143			4.598		.159		
	5.289		.284			4.439		.320		
	16.294	5.4313		1.174		13.796	4.5987		1.232	
5	5.898		.153			4.974		.117		
	5.745		.153			4.853		.113		
	5.592		.306			4.740		.230		
	17.235	5.7450		1.480		14.563	4.8547		1.460	
	82.397	27.4657				72.[illegible]	24.2966			

F.B. 2893 P.G. 35

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ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party [illegible] Brooks Weather Clear Inst. No. 15066
Notes by E. E. Brooks Time 1:10 – 1:25 Rod No. 19820

Name L.A. Co. Precise Level Net
Job No. 0201.02
From BM 46-2A To BM 46-2B
Date 9 July 1963
Indexed E. J. GALLY

Number of Station	BACKSIGHT Thread Readings 82.397	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 72.888	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5.549	27.4657	.120	1.480		3.672	24.2960	.124	1.462	BM 46-2B
6	5.427		.120			3.548		.126		S.C. Edison Tower 110-4
	5.307		.240			3.422		.250		W. Side River Grade Rd.
	16.281	5.4270		1.720	90°	10.642	3.5473		1.712	See F.B. 1367-154.
										Summation of Run
										From B.M. 46-2A
										To B.M. 46-2B
										Total Backsights = + 32.8927
										Total Foresights = − 27.8433
										Diff. Elev. = + 5.0494
										Backsight Stadia = 1.720
										Foresight Stadia = 1.712
										Total Stadia = 3.432
										= 0.22 mi.
	78.678					53.530				
		32.8927					27.8433			

F.B. [illegible] P.G. 36

[illegible]

76P536-CE 272—10-57

PLEASE RETURN TO
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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party R. E. Brooks
Notes by K. M. Tapp
Weather Hazy Inst. No. 15066
Time 11:15–11:30 Rod No. 19-20

Name D.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-28 To BM 46-29
Date 7-10-63
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	3.698		127		19	5.570		118		BM 46-28
	3.571		123			5.452		118		S.C. Edison Tower 110-4
	3.448		250			5.334		236		W. side River Grade Rd.
	10.717	3.5723		.250	74°	16.356	5.4520		.236	See F.B. 1367-154
2	4.989		129			5.890		140		T. Cook
	4.860		129			5.750		140		
	4.731		258			5.610		280		
	14.580	4.8600		.508		17.250	5.7500		.516	
3	4.989		160			5.607		197		
	4.829		160			5.463		193		
	4.669		320			5.320		287		
	14.487	4.8290		.828		16.990	5.6633		.603	
4	5.227		155			6.178		157		
	5.072		155			6.021		157		
	4.917		310			5.864		314		
	15.222	5.0740		1.138		18.063	6.0210		1.117	
5	5.239		141			5.965		145		
	5.098		145			5.820		149		
	4.953		286			5.671		294		
	15.290	5.0967		1.424		17.456	5.8187		1.411	
	70.296	23.4320				86.115	28.7050			

F.B. 1367 P.G. 37

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ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Hazy Inst. No. 15066
Notes by: K. M. Kepp Time: 11:15–11:30 Rod No. 19–20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM 46-2B To: BM 46-24
Date: 7-10-63
Indexed: [illegible]

Number of Station	BACKSIGHT Thread Readings 8.296	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 8.115	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5.027	13.4320	159	1.424		4.781	18.7050	142	1.411	BM 46-2A
	4.868		157			4.639		145		S.C. Edison Co. Tower 110-5
6	4.711		310			4.494		287		W. Side River Grade Rd.
	14.606	4.8687		1.740	76°	13.914	4.6380		1.698	See F.B. 1367-154
										Summation of Run
										From B.M. 46-2B
										To B.M. 46-24
										Total Backsights = + 28.3007
										Total Foresights = − 33.3430
										Diff. Elev. = − 5.0423
										Backsight stadia = 1.740
										Foresight Stadia = 1.698
										Total Stadia = 3.438
										= .22 mi.
	84.902	28.3007				100.029	33.3430			

F.B. 1367 PG. 38

76P526-CE 879—10-57

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 1:30 - 1:45 Rod No. 19 & 20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 46-2B To B.M. 46-2C
Date 9 July 1963
Indexed G. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.728		.147			5.508		.150		B.M. 46-2B S.C. EDISON TOWER
	4.581		.148			5.358		.150		110-4 W. SIDE RIVERGRADE RD.
1	4.433		.295			5.708		.300		F.B. 1367-154 FOR DESC.
	13.742	4.5807		.295	90°	16.074	5.3580		300	
	5.590		.141			4.948		.141		T. Cook
	5.449		.141			4.807		.145		
2	5.308		.282			4.662		.286		
	16.347	5.4490		.577		14.417	4.8057		.586	
	5.953		.134			4.891		.129		
	5.819		.138			4.762		.130		
3	5.681		.272			4.632		.259		
	17.453	5.8177		.849		14.285	4.7617		.845	
	5.709		.150			5.568		.145		
	5.559		.148			5.423		.144		
4	5.411		.298			5.279		.289		
	16.679	5.5597		1.147		16.270	5.4233		1.134	
	6.018		.160			5.077		.159		
	5.858		.160			4.918		.158		
5	5.698		.320			4.760		.317		
	17.574	5.8580		1.467		14.755	4.9183		1.451	
	81.795	27.2651				75.801	25.2670			

F.B. 28983 P.G. 39

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
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ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks
Notes by: E. E. Brooks
Weather: Clear
Time: 1:30 - 1:45
Inst. No. 15616
Rod No. 19-20

Name: [illegible]
Job No. 0501.02
From: BM 46-2B To: BM 46-2C
Date: 9 July 1929
Indexed: E. J. GALL

Number of Station	BACKSIGHT Thread Readings 91.795	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 75.801	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5.702	27.2651	.695	1.467		3.018	25.2670	.106	1.457	BM 46 2C
6	5.607		.097			2.912		.103		S.C. Edison Tower 110-3 W. side
	5.510		.192			2.809		.209		Exc. grade Rd.
	16.819	5.6063		1.659	90°	8.739	2.9130		1.660	See F.B. 1317-154
										Summation of Run: From B.M. 46-2B To B.M. 46-2C
										Total Backsights = + 32.8714
										Total Foresights = − 28.1800
										Diff. Elev. = + 4.6914
										Backsight stadia = 1.659
										Foresight Stadia = 1.660
										Total Stadia = 3.319
										= 0.21 mi.
F.B. 1317 pg 110	98.614					84.540				
		32.8714					28.1800			

76P526-CE 370—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Hazy Inst. No. 15066
Notes by K. M. Kapp Time 10:55–11:10 Rod No. 19-20

Name LA. Co. Precise Level Net
Job No. 0301.02
From BM 46-2C To BM 46-2B
Date 7-10-63
Indexed E. J. Gall

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	3.189		106		19	5.875		095		BM 46-2C
	3.083		103			5.780		099		S.C. Edison Tower 110-3
1	2.980		209			5.681		194		W. Side River Grade Rd.
	9.252	3.0840		.209	72°	17.336	5.7787		.194	See F.B. 1367-154
	5.132		159			6.076		160		
2	4.973		155			5.916		160		T Cook
	4.818		314			5.756		320		
	14.923	4.9743		.523		17.748	5.9160		.514	
	5.555		196			5.697		149		
3	5.409		172			5.548		149		
	5.267		288			5.399		298		
	16.231	5.4103		.811		16.644	5.5450		.812	
	5.012		130			6.071		133		
4	4.882		130			5.938		137		
	4.752		260			5.801		270		
	14.646	4.8820		1.071		17.810	5.9367		1.082	
	4.964		145			5.600		140		
5	4.819		142			5.460		140		
	4.677		287			5.320		280		
	14.460	4.8200		1.358		16.380	5.4600		1.362	
	69.512	23.1406				85.918	28.6394			

F.B. 1367 P.G. 41

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Hazy Inst. No. 12066
Notes by K. M. Kapp Time 10:55 - 11:10 Rod No. 19-20

Name B.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-2C To BM 46-2B
Date 7-10-63
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings 19.512	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 26.918	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5.573	13.170	150	1.358		4.798	28.394	151	1.362	BM 46-2B
	5.423		151			4.647		148		S.C. Edison Tower 110-4
6	5.272		301			4.499		299		W. side River Grade Rd.
	16.268	5.4227		1.659	74°	13.944	4.6480		1.661	See F.B. 1367-154
										Summation of Run From B.M. 46-2C To B.M. 46-2B
										Total Backsights = + 28.5933 Total Foresights = − 33.2874 Diff. Elev. = − 4.6941
										Backsight stadia = 1.652 Foresight Stadia = 1.661 Total Stadia = 3.320 = .2 mi
F.B. 4893 P.G. 42										
	85.780	28.5933				99.812	33.2874			

76P586-CE 979—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 1:55 - 2:15 Rod No. 19820

Name L.A. Co. Precise Level Net
Job No. 0201.02
From B.M. 46-2C To B.M. 46-3A
Date 8/10/ 1967
Indexed G. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	5.372		.170			4.501		.170		B.M. 46-2C. S.C. EDISON TOWER
	5.202		.190			4.371		.168		110-3 W. SIDE RIVERGRADE RD.
	5.032		.340			4.163		.338		F.B. 1367-161 FOR DESC.
	15.606	5.2020		.340	90°	12.975	4.3317		.338	
2	5.564		.135			6.080		.149		T. Cook
	5.429		.137			4.931		.149		Summation of Run
	5.292		.272			4.782		.298		From B.M. 46-2C
	16.285	5.4283		.612		14.793	4.9310		.636	To B.M. 46-3A
3	5.582		.104			5.541		.196		Total Backsights = + 29.1440'
	5.378		.105			5.347		.194		Total Foresights = − 23.4430'
	5.173		.209			5.149		.392		Diff. Elev. = + 5.7010'
	16.133	5.3777		1.021		16.037	5.3443		1.028	
4	7.549		.132			5.358		.140		Backsight stadia = 1.643'
	7.412		.174			5.218		.139		Foresight Stadia = 1.644'
	7.238		.271			5.079		.199		Total Stadia = 3.287'
	22.239	7.4130		1.292		15.655	5.2183		1.307	= 0.21 mi.
5	5.899		.177			3.786		.168		BM 46-3A
	5.722		.174			3.618		.169		S.C. Edison Tower # 110-2
	5.548		.351			3.449		.337		W side of Rivergrade Rd.
	17.169	5.7230		1.143	90°	10.853	3.6177		1.044	See F.B. 1367-156
	87.432	29.1440				70.329	23.4430			

F.B. 1367-157

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Chief of Party E. E. Brooks Weather Overcast Inst. No. 15066
Notes by K. M. Kapp Time 7:55-10:20 Rod No. 19 & 20

L.A. Co. Precise Level Net
Name
Job No. 03 01 02
From BM 46-3A To BM 46-2C
Date 7-10-63
Indexed U. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	5.939		170		19	6.049		176		BM 46-3A
	3.769		169			5.873		174		S.C. Edison Tower 110-2
	3.600		339			5.699		350		W. side River Grade Rd.
	11.308	3.7693		.339	70°	17.621	5.8737		.350	See F.B. 1367-156
2	5.326		142			7.512		134		T Cook
	5.184		140			7.378		136		Summation of Run
	5.044		282			7.242		270		From B.M. 46-3A
	15.554	5.1847		.621		22.132	7.3773		.620	To B.M. 46-2C
3	5.620		197			5.659		203		Total Backsights = + 23.7660
	5.423		194			5.451		204		Total Foresights = − 29.4627
	5.229		371			5.252		407		Diff. Elev. = − 5.6967
	16.272	5.4240		1.012		16.367	5.4557		1.027	
4	5.120		149			5.602		134		Backsight stadia = 1.655
	4.971		151			5.468		137		Foresight Stadia = 1.635
	4.820		300			5.331		271		Total Stadia = 3.290
	14.911	4.9703		1.312		16.401	5.4670		1.298	= .21 mi.
5	4.589		171			5.458		170		BM 46-2C
	4.418		172			5.288		167		S.C. Edison Tower 110-3
	4.246		343			5.171		337		W. side River Grade Rd.
	13.253	4.4177		1.655	72°	15.867	5.2890		1.635	See F.B. 1367-154
	71.298	23.7660				88.788	29.4627			

F.B. 2897 P.G. 44

[signature]

76P536-CE 279—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 75066
Notes by E. E. Brooks Time 2:15 - 2:30 Rod No. 19620

Name L.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 46-3A To B.M. 46-3B
Date 9 July 1967
Indexed R. J. GALL

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	5.510		.110			4.965		.144		B.M. 46-3A S.C. EDISON TOWER
	4.900		.100			4.821		.141		110-2 W. SIDE RIVERGRADE RD.
	4.790		.370			4.680		.285		F.B. 1367-156 FOR DESC.
	14.700	4.9000		.320	90°	13.866	4.6220		.285	
2	6.392		.123			5.982		.152		T COOK
	6.269		.119			5.830		.151		
	6.142		.250			5.679		.303		
	18.803	6.2677		.570		16.891	5.6303		.606	
3	5.862		.131			5.683		.141		
	5.732		.129			4.942		.144		
	5.603		.260			4.798		.185		
	17.198	5.7327		.830		14.823	4.9410		.873	
4	5.752		.140			5.481		.137		
	5.612		.136			5.344		.136		
	5.474		.276			5.208		.273		
	16.838	5.6127		1.106		16.033	5.3447		1.146	
5	6.094		.145			4.497		.130		
	5.949		.148			4.297		.128		
	5.801		.293			4.165		.258		
	17.844	5.9480		1.401		12.861	4.2937		1.404	
	85.383	28.4611				74.494	24.8313			

FB 1367 PG 95

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15566
Notes by E. E. Brooks Time 1:15 - 2:30 Rod No. 19820

Lim. Geo. Precise Level Net
Name
Job No. 0500 L.O.V.
From BM 46-3B To BM 46-3B
Date 9 July 1963
Indexed C. J. Galli

Number of Station	BACKSIGHT Thread Readings 85.383	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 74.894	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.721	28.4611	.120	1.401		2.492	24.8313	.123	1.404	BM 46-3B
	5.601		.120			2.369		.126		S.C. Edison Tower 110-1 W. side
L	5.481		.240			2.243		.249		Rivergrade Rd.
	16.803	5.6010		1.641	90°	7.044	2.3480		1.653	See F.B. 1517-156
										Summation of Run
										From B.M. 46-3A
										To B.M. 46-3B
										Total Backsights = + 34.0621
										Total Foresights = − 27.1793
										Diff. Elev. = +6.8828
										Backsight stadia = 1.641
										Foresight Stadia = 1.653
										Total Stadia = 3.294
										= 0.21 mi.
F.B. 1517 P.G. 46										
	102.186					81.538				
		34.0621					27.1793			

79P526-CE 879—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather overcast Inst. No. 15066
Notes by K. M. Kapp Time 7:35-9:55 Rod No. 19-70

Name E.A. Co. Precise Level Net
Job No. 6301.02
From BM46-3B To BM46-3A
Date 7-10-63
Indexed K. J. Galli

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	2.503		125		19	5.749		160		BM 46-3B
	2.378		126			5.629		120		S.C. Edison Tower 110-1
	2.252		251			5.509		240		W. side River Grade Rd.
	7.133	2.3777		.251	72°	16.887	5.6290		.240	See F.B. 1367-156
2	4.462		140			6.113		135		
	4.322		140			5.978		136		T. Cook
	4.182		240			5.842		271		
	12.966	4.3220		.531		17.933	5.9777		.511	
3	5.402		143			5.658		130		
	5.259		147			5.528		129		
	5.112		290			5.399		259		
	15.773	5.2577		.821		16.585	5.5283		.770	
4	5.359		130			6.162		142		
	5.229		130			6.020		141		
	5.099		260			5.879		283		
	15.687	5.2290		1.081		18.061	6.0203		1.053	
5	5.860		144			6.484		134		
	5.716		146			6.350		135		
	5.570		290			6.215		269		
	17.146	5.7153		1.371		19.049	6.3497		1.322	
	68.705	22.9017				88.515	29.5050			

F.B. 2843 P.G. 47

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Chief of Party R. E. Brooks Weather Overcast Inst. No. 15066
Notes by K.M. Kapp Time 9:35 - 9:55 Rod No. 19-20

Name B.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-3B To BM 46-3A
Date 7-10-63
Indexed E. J. Galli

Number of Station	BACKSIGHT Thread Readings 68.705	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 88.575	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.859	22.9017	131	1.371		5.178	29.5050	175	1.322	BM 46-3A
	4.728		131			5.003		171		S.C Edison Tower 110-2
6	4.597		262			4.832		376		W. side of Riverdale Rd.
	14.184	4.7280		1.633	70°	15.013	5.0043		1.668	See F.B. 1367-156
										Summation of Run
										From B.M. 46-3B
										To B.M. 46-3A
										Total Backsights = + 27.6297
										Total Foresights = − 34.5093
										Diff. Elev. = − 6.8796
										Backsight stadia = 1.633
										Foresight Stadia = 1.668
										Total Stadia = 3.301
										= .21 mi.
	82.889	27.6297				103.528	34.5093			

F.B. 2895 P.G. 48

79P586-CE 879—10-57

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Chief of Party E. Brooks Weather Clear Inst. No. 15064
Notes by E. E. Brooks Time 2:35-3:00 Rod No. 19420

Name L.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 46-3B To B.M. 46-4C
Date 9 July 1963
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	S.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4.357		.158			5.176		.140		B.M. 46-3B S.C. EDISON TOWER
	4.199		.158			5.040		.140		110-1 W. SIDE RIVERGRADE RD.
	4.041		.316			4.900		.280		F.B. 1367-156 FOR DESC.
1	12.597	4.1990		.316	96°	14.940	4.9800		.280	
	2.545		.097			7.551		.129		Turnk.
	2.448		.098			7.422		.130		
2	2.350		.195			7.292		.259		
	7.343	2.4477		.511		22.265	7.4217		.539	
	9.856		.127			2.806		.119		
	9.729		.128			2.689		.120		
3	9.601		.255			2.569		.239		
	19.186	9.7287		.766		8.064	2.6887		.718	
	5.560		.129			5.007		.134		
	5.451		.130			4.873		.133		
4	5.321		.259			4.740		.267		
	16.352	5.4507		1.025		14.620	4.8733		1.045	
	5.944		.150			6.298		.150		
	5.794		.151			6.148		.150		
5	5.643		.301			5.998		.300		
	16.796	5.5987		1.326		19.444	6.5980		1.345	
	82.274	27.4248				79.685	26.5617			

F.B. 1367 P.G. 49

76F020-CE 378—10-67

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Chief of Party F. E. Brooks Weather Overcast Inst. No. 15066
Notes by K. M. Kopp Time 9:15 - 9:30 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0701.02
From BM 46-4C To BM 46-3B
Date 7-10-63
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	1.785		180		19	6.312		181		BM 46-4C (Corps of Engineers)
	1.605		180			6.131		179		S.C. Edison Tower # 139-4 W. side
	1.425		360			5.952		360		of Riverside Rd.
	4.815	1.6050		.360	66°	18.395	6.1317		.360	See F.B. 15:1-15B
2	6.928		150			5.931		151		
	6.778		150			5.780		152		T. Cook
	6.628		300			5.628		303		
	20.334	6.7780		.660		17.339	5.7797		.663	
3	4.994		133			5.569		130		
	4.861		133			5.439		129		
	4.728		266			5.310		259		
	14.583	4.8610		.922		16.318	5.4393		.922	
4	3.270		120			10.318		126		
	3.150		120			10.192		129		
	3.030		240			10.068		250		
	9.450	3.1500		1.166		30.578	10.1927		1.172	
5	6.992		119			2.016		119		
	6.878		111			1.902		112		
	6.767		225			1.790		226		
	20.637	6.8790		1.391		5.708	1.9027		1.378	
	69.819	23.2730				88.338	29.4411			

F.B. 1893 P.G. 57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by K. M. Kapp Time 9:25-9:55 Rod No. 19820

L.A. Co. Precise Level Net
Name
Job No. 0201.02
From BM 46-48 To BM 46-54
Date 7-11-63
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings 28.906	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 66.329	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	6.536	29.6354	154	1.440		5.287	22.1097	155	1.429	
	6.382		153			5.132		151		
	6.227		307			4.981		306		
	19.147	6.3823		1.747		15.400	5.1333		1.735	
7	6.618		156			4.159		157		Summation of Run
	6.462		156			4.002		159		From B.M. 46-48
	6.306		312			3.843		316		To B.M. 46-54
	19.386	6.4620		2.059		12.004	4.0013		2.051	
8	6.357		155			3.727		156		Total Backsights = + 53.6897
	6.202		153			3.567		155		Total Foresights = − 40.9296
	6.049		308			3.414		313		Diff. Elev. = +12.7601
	18.608	6.2027		2.367		10.708	3.5700		2.364	
9	5.168		154			6.269		153		BM 46-54 (Puente Dr.)
	5.008		156			6.116		155		Rivergrade Rd. (N. side) 0.5 mi.
	4.852		310			5.961		308		E. N. of Lower Azusa Rd.
	15.022	5.0073		2.677	76°	18.346	6.1153		2.672	See F.B. 1367-170
										Backsight stadia = 2.677
										Foresight Stadia = 2.672
										Total Stadia = 5.3491
										= 0.3491'
	161.069					102.789				
		53.6897					40.9296			

F.B. 1367-152

79P526-OE 079 10-57

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather clear Inst. No. 15066
Notes by F. E. Brooks Time 3:00 Rod No. 19&20

Name I.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 46-4C To B.M. 46-4A
Date 2 July 1963
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	2.848		115			2.884		121		B.M. 46-4C (CORP of ENGINEER)
1	2.733		113			2.763		120		S.C. EDISON TOWER 109-4
	2.620		228			2.643		241		W. SIDE RIVERGRADE RD.
	8.201	2.7337		.228	90°	8.270	2.7633		.241	F.B. 1367-158 FOR DESC.
										B.M. 46-4A, S.C. EDISON TOWER 109-4 W. SIDE RIVERGRADE RD. F.B. 1367-158 FOR DESC.
										T cook
										Summation of Run From B.M. 46-4C To B.M. 46-4A
										Total Backsights = + 2.7337
										Total Foresights = − 2.7633
										Diff. Elev. = −0.0296
										Backsight stadia = .228
										Foresight Stadia = .241
										Total Stadia = .469
										= .03 mi

F.B. 2893 P.G. 53

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Overcast Inst. No. 15066
Notes by K. M. Kapp Time 9:00 - 9:05 Rod No. 19620

Name [illegible] Precise Level Net
Job No. 0301.02
From B.M. 46-4A To B.M. 46-4C
Date 7-10-63
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	2.845		121		19	2.806		114		B.M. 46-4A, S.C. EDISON TOWER
	2.724		121			2.692		113		109-4 W. SIDE RIVERGRADE RD.
1	2.603		242			2.579		227		F.B. 1367-158 FOR DESC.
	8.172	2.7240		.242	66°	8.077	2.6923		.227	
										B.M. 46-4C (CORP of ENGINEER)
										S.C. EDISON TOWER 109-4
										W. SIDE RIVERGRADE RD.
										F.B. 1367-158 FOR DESC.
										T. COOK
										Summation of Run
										From B.M. 46-4A
										To B.M. 46-4C
										Total Backsights = + 2.7240
										Total Foresights = − 2.6923
										Diff. Elev. = +0.0317
										Backsight stadia = .242
										Foresight Stadia = .227
										Total Stadia = .469
										= .03 mi

F.B. 2893 P.G. 54

78PS28-CE 379—10-52

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by Time 3:05 - 3:25 Rod No. 10420

Name L.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 46-4A To B.M. 46-4B
Date 8-16-1967
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	D. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	4.298 4.147 3.998		.151 .149 .301			5.949 5.801 5.655		.148 .146 .294		B.M. 46-4A, S.C. EDISON TOWER 109-4 W. SIDE RIVERGRADE RD. F.B. 1367-158 FOR DESC.
	12.443	4.1477		.300	90°	17.405	5.8017		.294	
2	5.530 5.369 5.210		.161 .159 .320			4.518 4.372 4.230		.146 .142 .288		T Cook Summation of Run From B.M. 46-4A To B.M. 46-4B
	16.109	5.3694		.620		13.130	4.3777		.582	
3	5.402 5.262< 5.422		.140 .140 .280			5.311 5.169 5.029		.142 .140 .282		Total Backsights = + 25.5174✓ Total Foresights = − 20.9004✓ Diff. Elev. = + 4.6170✓
	16.686	5.5620		.900		15.509	5.1697		.914	
4	5.368 5.223 5.080		.145 .143 .288			3.461 3.401 3.341		.160 .160 .320		Backsight stadia = 1.532✓ Foresight Stadia = 1.531✓ Total Stadia = 3.063 = .19 mi.
	15.671	5.2237		1.188		10.803	3.6010		1.124	
5	5.382 5.213 5.043		.124 .170 .294			2.128 1.955 1.781		.173 .174 .347		B.M. 46-4B S.C. Edison Tower #109-3 W. side Rivergrade Rd. See F.B. 1367-158
	15.643	5.2147		1.532	88°	5.864	1.9547		1.531	
	76.552	25.5174✓				49.701	20.9004✓			

F.B. 1367 P.G. 53

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks — Weather: Overcast — Inst. No. 15066
Notes by: K. M. Kapp — Time: 8:45-9:00 — Rod No. 19420

L.A. Co. Precise Level Net
Name:
Job No. 0301.6
From: BM 46-48 To: BM 46-4A
Date: 7-10-63
Indexed: E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	2.282		176		19	5.538		170		BM 46-48
	2.106		178			5.368		170		S.C. Edison Tower # 109-2 W.
1	1.928		354			5.198		340		side of Riverside Rd.
	6.316	2.1053		354	66°	16.104	5.3680		340	See F.B. 1267-158
	3.901		154			5.513		144		
	3.747		154			5.369		147		R. Cook
2	3.589		312			5.222		291		
	11.237	3.7457		666		16.104	5.3680		631	Summation of Run: From B.M. 46-48
	5.702		190			6.100		147		To B.M. 46-4A
	5.562		140			5.958		143		
3	5.422		280			5.815		285		Total Backsights = + 21.4985
	16.686	5.5620		946		17.873	5.9577		916	Total Foresights = − 26.4224
										Diff. Elev. = − 4.6241
	4.677		147			5.687		158		
	4.530		143			5.529		158		Backsight stadia = 1.525
4	4.387		290			5.371		316		Foresight Stadia = 1.534
	13.594	4.5313		1236		16.587	5.5290		1232	Total Stadia = 3.059 = .19 mi.
	5.997		146			4.351		152		BM 46-4A
	5.853		143			4.199		150		S.C. Edison Tower 109-4 W. side
5	5.710		289			4.049		302		Riverside Rd.
	17.562	5.8540		1525	66°	12.599	4.1997		1534	See F.B. 1267-158
	15.395	4.7983				79.241	26.4224			

F.B. 1267 P.G. 56

76P626-CE 379—10-57

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles, County Engineering Bldg.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. R. Brooks
Notes by S.M. Kepp
Weather Clear Inst. No. 15666
Time 9:25 – 9:55 Rod No. 19420

Name L.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 46-4B To B.M. 46-5A
Date 7-11-65
Indexed E. J. Galli

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6.022		.150		19	4.867		.157		B.M. 46-4B, S.C. EDISON TOWER
	5.872		.148			4.712		.159		103-3 W. SIDE RIVERGRADE RD.
1	5.724		.298			4.553		.311		F.B. 1367-158 FOR DESC.
	17.618	5.8727		.298	74°	14.132	4.7130		.311	
	6.584		.163			4.922		.168		
	6.376		.164			4.754		.166		T Valdez
2	6.212		.327			4.588		.334		
	19.127	6.3757		.625		14.264	4.7547		.675	
	6.115		.150			4.392		.155		
	5.965		.150			4.237		.158		
3	5.815		.300			4.079		.313		
	17.895	5.9650		.925		12.708	4.2360		.958	
	5.466		.165			4.212		.173		
	5.301		.168			4.039		.176		
4	5.133		.333			3.863		.349		
	15.900	5.3000		1.258		12.114	4.0380		1.307	
	6.213		.091			4.419		.061		
	6.122		.091			4.368		.061		
5	6.031		.182			4.307		.122		
	18.366	6.1220		1.440		13.104	4.3680		1.429	
	88.906	29.6354				66.329	22.1097			

F.B. 1367 P.G. 57

75PB29-CE 879—10-57

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Hot & Smoggy Inst. No. 15066
Notes by C. G. VALDEZ Time 2:00 – 2:30 Rod No. 19 & 20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-5A To BM 46-4B
Date JULY 12-1963
Indexed E. J. GALL

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	5927		154			4823		153		BM 46-5A (Puente B-1)
	5773		150			4670		157		Rivergrade Rd., W. side
	5623		304			4513		310		0.5 mi. ± N. of Lower Azusa Rd
	17323	5.7743		.304		14.006	4.6687		310	See F.B. 1367-170
2	3835		156			6.462		154		
	3679		157			6.308		154		T. Cook
	3522		313			6.154		308		
	11.036	3.6787		.617		18.924	6.3080		.618	
3.	4.224		159			6681		158		
	4.065		160			6523		155		
	3.905		319			6.368		313		
	12.194	4.0647		.936		19572	6.5240		.931	
4	4962		154			6209		151		
	4808		155			6.058		150		
	4653		309			5908		301		
	14.423	4.8077		1.245		18.175	6.0583		1.234	
5	4212		076			5972		080		
	4136		076			5.892		080		
	4060		152			5.812		160		
	12.408	4.1360		1.397		17.676	5.8920		1.397	
	67384	22.4614				88353	29.4510			

F.B. 1847 P.G. 59

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Hot & Cloudy Inst. No. 15066
Notes by C. G. VALDEZ Time 2:00 - 2:30 Rod No. 19820

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-5A To BM 46-4B
Date July 12-1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	4118		176	1397		5368		167	1392	
	3942		174			5201		163		
	3768		350			5038		330		
	11828	39427		1747		15607	52023		1722	
7	4354		146			6105		163		Summation of Run
	4208		143			5942		162		From B.M. 46-5A
	4065		289			5780		326		To B.M. 46-4B
	12627	42090		2036		17827	59423		2046	
8	4803		164			6423		165		Total Backsights = + 398088
	4639		167			6258		163		Total Foresights = − 525740
	4472		331			6095		328		Diff. Elev. = − 127652
	13914	46380		2367		18776	62587		2374	
9	4712		153			5869		150		BM 46-4B
	4559		157			5719		148		S.C. Edison Tower 109-3
	4402		310			5571		298		W. side Rivergrade Rd.
	13673	45577		2677		17159	57197		2674	See F.B. 1367-158
										Backsight stadia = 2677
										Foresight Stadia = 2672
										Total Stadia = 5349
										0.34 MILES
	119426	398088				157722	525740			

F.B. 2847 P.G. 40

76P026-CE 379—10-87

PLEASE RETURN TO
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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Clear Inst. No. 150.666
Notes by: E. E. Brooks Time: 8:55 - 10:40 Rod No. 19820

L.A. Co. Precise Level Net
Name:
Job No. 0301.02
From B.M. 46-5A To B.M. 46-6
Date: 11 July 1963
Indexed: E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	6.493 6.338 6.182		.155 .156 .311			4.491 4.337 4.183		.154 .154 .308		B.M. 46-5A (Puente B.M.) W. side Rivergrade Rd. 0.5 miles ± North of Lower Azusa Rd. F.B. 136-170 for Desc.
	19.013	6.3377		.311	76°	13.011	4.3354		.308	
2	5.760 5.609 5.459		.151 .150 .301			4.762 4.611 4.461		.151 .150 .301		TV Valley
	16.828	5.6093		.612		13.834	4.6113		.605	
3	6.262 6.061 5.911		.196 .150 .346			3.810 3.651 3.496		.159 .155 .314		
	18.184	6.0613		.910		10.957	3.6525		.919	
4	5.533 5.365 5.209		.171 .168 .339			4.100 3.932 3.768		.168 .164 .332		
	16.107	5.3690		1.249		11.800	3.9333		1.251	
5	6.021 5.869 5.719		.152 .150 .302			5.082 4.933 4.784		.150 .149 .299		
	17.609	5.6697		1.551		14.799	4.9313		1.550	
	84.138	28.0460				64.395	21.4649			

F.B. 29223 P.G. 61

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 9:55 – 10:40 Rod No. 19420

Name Lin. Co. Precise Level Net
Job No. 0301.02
From BM 46-5A To BM 46-6
Date 11 July 1967
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	87.138					64.395				
6	6.108	29.0460	.167	1.557		5.314	21.4649	.167	1.550	
	5.941		.163			5.147		.167		
	5.778		.330			4.980		.334		
	17.827	5.9423		1.881		15.441	5.1470		1.884	
7	5.808		.157			4.661		.153		
	5.651		.154			4.508		.155		
	5.497		.311			4.353		.309		
	16.956	5.6520		2.192		13.522	4.5073		2.192	
8	6.013		.165			4.474		.162		
	5.848		.168			4.312		.162		
	5.680		.333			4.150		.324		
	17.541	5.8470		2.525		12.936	4.3120		2.516	
9	6.778		.137			3.400		.150		
	6.641		.134			3.250		.150		
	6.502		.276			3.100		.300		
	19.921	6.6403		2.801		9.750	3.2500		2.816	
10	6.003		.148			3.764		.164		
	5.830		.170			3.600		.168		
	5.660		.343			3.432		.332		
	17.493	5.8310		3.144		10.796	3.5987		3.148	
	176.876	58.9586				126.840	42.2799			

F.B. 2893 P.G. 62

7GPE25-CE 279—10-57

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 9:35-10:40 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-5A To BM 46-6
Date 11 July 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings 176.876	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 126.840	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
11	7.222	58.9586	.162	3.144		4.322	49.2799	.163	3.148	
	7.060		.160			4.159		.162		
	6.900		.322			3.997		.325		
	21.182	7.0607		3.466		12.478	4.1593		3.473	
12	5.946		.168			4.176		.170		
	5.780		.169			4.004		.170		
	5.611		.337			3.834		.342		
	17.339	5.7797		3.803		12.014	4.0047		3.815	
13	5.689		.160			4.688		.157		
	5.529		.158			4.531		.156		
	5.371		.318			4.375		.313		
	16.589	5.5297		4.121		13.594	4.5313		4.128	
14	6.101		.170			4.[illegible]		.171		
	5.931		.170			4.010		.170		
	5.761		.340			3.840		.341		
	17.793	5.9310		4.461		12.031	4.0103		4.469	
15	6.577		.153			3.880		.154		
	6.424		.153			3.726		.156		
	6.271		.306			3.570		.310		
	19.272	6.4240		4.767		11.176	3.7253		4.779	
	269.051	89.6837				188.133	62.7108			

F.B. 2843 P.G. 67

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 9:55 - 10:40 Rod No. 19-20

Name L.A. Co. Precise Level Nef
Job No. 0301.02
From BM 46-5A To BM 46-6
Date 11 July 1963
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	269.851					188.133				
	6.184	89.6837	.216	4.767		4.454	62.7108	.205	4.779	BM 46-6
16	5.968		.217			4.249		.208		Rivergrade Rd. 0.25 mi. S. of
	5.751		.433			4.041		.413		Live Oak Ave
	17.903	5.9677		5.200	80°	12.744	4.2480		5.192	See F.B. 1367-161
	286.954	95.6514				200.877	66.9588			

Summation of Run
From B.M. 46-5A
To B.M. 46-6

Total Backsights = + 95.6514
Total Foresights = − 66.9588
Diff. Elev. = +28.6926

Backsight stadia = 5.200
Foresight Stadia = 5.192
Total Stadia = 10.392
= 0.66 mi.

F.B. 2093 P.G. 64

76P526-CE 375—10-57

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather clear Inst. No. 15066
Notes by F. E. Brooks Time 1:15 - 2:00 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.12
From BM146-6 To BM146-5A
Date
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	4.315		.208			6.043		.214		BM 46-6
	4.107		.205			5.829		.211		Rivergrade Rd 0.25 mi S.
	3.902		.413			5.618		.425		of Live Oak Ave
	12.324	4.1080		.413	90°	17.490	5.8300		.425	SEE F.B. 1367-41
2	3.394		.158			6.086		.149		
	3.236		.156			5.937		.150		π Cook
	3.080		.314			5.787		.299		
	9.710	3.2367		.727		17.810	5.9367		.724	
3	4.084		.167			6.006		.170		
	3.915		.169			5.836		.171		
	3.746		.338			5.665		.341		
	11.745	3.9150		1.065		17.507	5.8357		1.065	
4	4.570		.159			5.563		.155		
	4.411		.159			5.408		.156		
	4.252		.318			5.252		.311		
	13.233	4.4110		1.383		16.223	5.4077		1.376	
5	4.642		.171			6.412		.167		
	4.471		.170			6.245		.166		
	4.301		.341			6.079		.333		
	13.414	4.4713		1.724		18.736	6.2453		1.709	
	60.426	20.1420				87.766	29.2554			

F.B. 2893 P.G. 65

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather clear Inst. No. 5066
Notes by F. E. Brooks Time 1:15 - 2:00 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM4C-L To BM4C-5A
Date 12 July 1965
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	60.422					27.766				
6	4.305	20.1420	.165	1.734		7.202	29.2554	.160	1.909	
	4.140		.165			7.042		.160		
	3.975		.330			6.882		.320		
	12.420	4.1400		2.054		21.126	9.0426		2.029	
7	3.812		.165			6.052		.172		
	3.647		.165			5.880		.170		
	3.482		.330			5.710		.342		
	10.941	3.6470		2.384		17.642	5.8807		2.371	
8	3.302		.152			6.674		.134		
	3.150		.151			6.540		.130		
	2.999		.303			6.410		.264		
	9.451	3.1503		2.687		19.624	6.5413		2.635	
9	4.588		.149			6.151		.181		
	4.439		.148			5.970		.180		
	4.291		.297			5.790		.361		
	13.318	4.4393		2.984		17.911	5.9703		2.996	
10	4.590		.155			5.779		.151		
	4.435		.155			5.578		.155		
	4.280		.310			5.423		.306		
	13.305	4.4350		3.294		16.730	5.5767		3.302	
	119.861	39.9536				180.799	60.2664			

F.B. 2892 P.G. 66

78P526-CE 370—10-57

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 1:15 - 2:00 Rod No. M 20

Name F.A. Co. Precise Level Net
Job No. 6301.02
From BM46-6 To BM46-5A
Date 12 July 1962
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	119.861					180.799				
11	5.048	39.9536	.168	3.294		5.842	60.2664	.164	3.307	
	4.880		.169			5.678		.165		
	4.711		.337			5.513		.329		
	14.639	4.8797		3.631		17.033	5.6777		3.631	
12	4.972		.147			5.715		.156		
	4.824		.145			5.559		.156		
	4.679		.292			5.403		.312		
	14.474	4.8247		3.923		16.677	5.5590		3.943	
13	4.066		.166			5.506		.173		
	3.900		.165			5.333		.170		
	3.735		.331			5.163		.343		
	11.701	3.9003		4.254		16.002	5.3340		4.286	
14	3.722		.161			6.119		.149		
	3.561		.158			5.970		.146		
	3.403		.319			5.824		.295		
	10.686	3.5620		4.573		17.913	5.9710		4.581	
15	4.593		.151			5.590		.150		
	4.442		.150			5.440		.150		
	4.292		.301			5.290		.300		
	13.327	4.4423		4.874		16.320	5.4400		4.881	
	184.688	61.5626				264.744	88.2481			

F.B. 1883 P.G. 67

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Cle. Inst. No. 15066
Notes by F. E. Brooks Time 1:15 - 2:00 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0341.02
From BM 46-6 To BM 46-5A
Date 12 July 1963
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings 184.688	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 264.744	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4.320	61.5626	.156	4.874		6.322	88.2481	.154	4.881	BM 46-5A (Puente B.1)
16	4.164		.154			6.168		.156		W. side Pivergrade Rd. 0.5 mi.
	4.010		.310			6.012		.310		± N. of Lower Azusa Rd.
	12.494	4.1647		5.184	90°	18.502	6.1673		5.191	See F.B. 1367-170
	197.186	65.7273				283.246	94.4154			

Summation of Run
From B.M. 46-6
To B.M. 46-5A

Total Backsights = + 65.7273
Total Foresights = − 94.4154
Diff. Elev. = − 28.6881

Backsight stadia = 5.184
Foresight Stadia = 5.191
Total Stadia = 10.375
= .66 mi

F.B. 2822 P.G. 68

76P625-OE 879—10-57

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by K. M. Kapp Time 10:50-11:15 Rod No. 19420

Name B.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 46-6 To B.M. 46-7A
Date 7-11-63
Indexed E. J. GALLE

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	6.199		167		19	4.216		159		B.M. 46-6 RIVERGRADE RD.
	6.032		163			4.059		160		.25 MILES S. LIVE OAK AVE.
	5.867		330			3.899		319		F.B. 1367-161 FOR DESC.
	18.100	6.0333		.330	80°	12.176	4.0587		.319	
2	6.210		164			4.530		168		
	6.046		166			4.362		166		π Valdez
	5.880		330			4.196		334		
	18.136	6.0453		.660		13.088	4.3627		.653	
3	6.932		154			4.449		160		
	6.778		158			4.289		160		
	6.620		312			4.129		320		
	20.330	6.7767		.972		12.867	4.2890		.973	
4	6.483		163			4.707		169		
	6.320		167			4.538		169		
	6.157		326			4.369		338		
	18.960	6.3200		1.298		13.614	4.5380		1.311	
5	7.282		148			1.631		144		
	7.134		147			1.487		146		
	6.987		295			1.341		290		
	21.403	7.1343		1.593		4.459	1.4863		1.601	
	96.929	32.3096				56.204	18.7347			

F.B. 2897 P.G. 69

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by K. M. Kopp Time 10:50-11:15 Rod No. 19820

Name L.A. Co. Precise Level No.
Job No. 0301.02
From BM 46-6 To BM 46-7A
Date 7-11-63
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings 96.929	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 56.204	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	11.071	32.3096	161	1.593		3.390	18.7347	170	1.601	
	10.910		160			3.220		172		
	10.750		321			3.048		342		
	32.731	10.9103		1.914		9.658	3.2193		1.943	
7	6.729		046			4.588		030		BM 46-7A
	6.683		045			4.558		030		Live Oak Ave. &
	6.638		091			4.528		060		Rivergrade Rd.
	20.050	6.6833		2.005	82°	13.674	4.5580		2.003	See F.B. 2893-7
										Summation of Run From B.M. 46-6 To B.M. 46-7A
										Total Backsights = + 49.9032 Total Foresights = − 26.5120 Diff. Elev. = +23.3912
										Backsight stadia = 2.005 Foresight Stadia = 2.003 Total Stadia = 4.008 = 0.25 mi.
	149.710					79.536				
		49.9032					26.5120			

F.B. 2893 P.G. 70

76P526-CE 378—10-57

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather CLEAR Inst. No. 15066
Notes by C. G. VALDEZ Time 11:40 - 12-05 Rod No. 19020

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-7A To BM 46-6
Date JULY 12, 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4249		036		49	6380		040		BM 46-7A
	4213		036			6340		040		Live Oak Ave. &
1	4177		072			6300		080		Rivergrade Rd.
	12639	4.2130		072	86°	19020	6.3400		080	See F.B. 2893-7
	3447		159			11148		170		
	3288		160			10978		170		7
2	3128		319			10808		340		
	9863	3.2877		331		32934	10.9780		420	
	1555		152			7194		143		
	1403		151			7051		143		
3	1252		303			6908		286		
	4210	1.4033		694		21153	7.0510		706	
	4703		171			6483		163		
	4532		169			6320		165		
4	4363		340			6155		328		
	13598	4.5327		1034		18958	6.3193		1031	
	4401		160			6885		155		
	4241		160			6730		158		
5	4081		320			6572		313		
	12723	4.2410		1354		20187	6.7290		1347	
	53033	16777				112252	37417.3			

F.B. 2897 P.G. 71

PLEASE RETURN TO:
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather CLEAR Inst. No. 15066
Notes by C. G. VALDEZ Time 11:40 - 12:05 Rod No. 18820

Name B.A. Co. Precise Level Net.
Job No. 0301.02
From BM 46-7A To BM 46-6
Date JULY 12-1963
Indexed G. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4463		168	1341		6141		164	1347	
	4295		167			5977		167		
6	4128		335			5810		331		
	12.886	4.2953		1689		17.928	5.9760		1678	
	4521		159			6503		165		BM 46-6
	4362		160			6338		167		River grade Rd., 0.25 m
7	4202		319			6171		312		E. of Live Oak Ave.
	13.085	4.3617		2.008	88°	19.012	6.3373		1.990	See F.B. 1267-161
										Summation of Run From B.M. 46-7A To B.M. 46-6
										Total Backsights = + 26.3347 Total Foresights = − 49.7306 Diff. Elev. = − 23.3959
										Backsight stadia = 2.008 Foresight Stadia = 1.990 Total Stadia = 3.998 0.25 MILES
	19.004	26.3347				19.192	49.7306			

78PB59-CE 370—10-57

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party R. E. Brooks Weather Clear Inst. No. 15066
Notes by R. E. Brooks Time 11:15 – 11:55 Rod No. 19820

Name C.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-7A To BM 46-8
Date 11 July 1963
Indexed C. J. Gatts

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	2.370		.170			9.308		.175		BM 46-7A
	2.200		.170			9.133		.172		Rivergrade Rd. at Live Oak
	2.030		.340			8.961		.347		Ave.
	6.100	2.2000		.340	82°	27.402	9.1340		.347	See F.B. 2893-7
2	2.296		.157			5.631		.153		
	2.139		.157			5.478		.156		π Valdez
	1.982		.314			5.322		.309		
	6.417	2.1390		.654		16.431	5.4770		.656	
3	6.790		.142			3.841		.150		
	6.642		.142			3.691		.150		
	6.494		.296			3.541		.300		
	19.926	6.6420		.950		11.073	3.6910		.956	
4	6.473		.167			3.560		.165		
	6.306		.166			3.395		.166		
	6.140		.333			3.229		.331		
	18.919	6.3063		1.287		10.184	3.3947		1.287	
5	8.092		.155			4.816		.162		
	7.935		.155			4.654		.164		
	7.780		.310			4.490		.326		
	23.805	7.9350		1.593		13.960	4.6533		1.613	
	75.667	25.7773				79.050	26.3500			

F.B. 2893 P.G. 7

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 11:15 – 11:55 Rod No. 19620

Name [illegible] Precise Level Net
Job No. 0301.02
From BM 46-7A To BM 46-8
Date 11 July 1963
Indexed C. J. GAIN

Number of Station	BACKSIGHT Thread Readings 75.227	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 79.456	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	5.529	75.2223	.161	1.593		4.658	26.3500	.165	1.613	
	5.368		.164			4.493		.163		
	5.204		.325			4.330		.328		
	16.101	53.670		1.918		13.481	4.4937		1.941	
7	6.502		.157			4.977		.158		
	6.345		.156			4.819		.158		
	6.189		.313			4.661		.316		
	19.036	6.3453		2.231		14.457	4.8190		2.257	
8	5.030		.161			5.252		.157		
	5.869		.164			5.095		.159		
	5.705		.325			4.938		.314		
	17.604	5.8680		2.556		15.285	5.0950		2.571	
9	6.008		.150			4.934		.147		
	5.858		.150			4.787		.147		
	5.708		.300			4.640		.294		
	17.574	5.8580		2.856		14.361	4.7870		2.865	
10	5.989		.167			5.681		.166		
	5.822		.164			5.515		.166		
	5.658		.331			5.349		.334		
	17.469	5.8230		3.187		16.545	5.5150		3.197	
	163.451	54.4836				153.179	51.0597			

F.B. 2893 P.G. 74

76P526-CE 379—10-57

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks — Weather: Clear — Inst. No.: 15066
Notes by: F. E. Brooks — Time: 11:15 - 11:55 — Rod No.: 23

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 46-9A To: BM 46-8
Date: 11 Oct 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	63.451					63.119				
11	5.316 5.4836		.162	3.161		5.394 5.1039		.154	3.197	
	6.159		.160			5.195		.156		
	5.494		.336			5.06		.308		
	18.469	6.1547		3.509		15.555	5.1850		3.525	Summation of Run From B.M. 46-9A To B.M. 46-8
12	6.792		.180			3.359		.176		
	6.619		.169			3.183		.173		Total Backsights = + 60.9476
	6.251		.359			3.010		.349		Total Foresights = − 71.2890
	19.659	6.5197		3.297		9.552	3.1840		3.364	Diff. Elev. = + 9.4586
3	6.[illegible]		.[illegible]			6.098		.109		Backsight stadia = 4.611
	6.129		.[illegible]			5.989		.[illegible]		Foresight Stadia = 4.622
	5.[illegible]		.421			4.826		.413		Total Stadia = 9.233
	18.[illegible]	6.1093		1.263		5.214	5.2890		4.212	= .158 mi.
14	7.532		.172			6.939		.179		BM 46-8
	7.360		.191			6.760		.173		Live Oak Ave at
	7.189		.373			6.587		.350		Stone Alone Rd
	22.081	7.3603		4.611	86°	20.284	6.7613		4.622	See F.B. 1367-163
	242.253	30.9476				217.869	71.2890			

F.B. 2843 P.G. 25

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 11:05 - 11:35 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-8 To BM 46-7A
Date 12 Jul
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	7.011		.175			7.604		.172		BM 46-8
	6.836		.176			7.432		.171		Live Oak Ave at Sierra
	6.660		.351			7.261		.343		Madre Ave
	20.507	6.8357		.351	78°	22.297	7.4323		.343	See F.B. 1367-163
2	5.552		.212			6.590		.209		
	5.340		.209			6.381		.210		T Cook
	5.131		.421			6.171		.419		
	16.023	5.3410		.772		19.142	6.3807		.762	
3	3.553		.171			6.989		.169		
	3.382		.170			6.820		.170		
	3.212		.341			6.650		.339		
	10.147	3.3823		1.113		20.459	6.8197		1.101	
4	5.367		.156			6.327		.160		
	5.211		.153			6.169		.160		
	5.058		.309			6.009		.320		
	15.636	5.2120		1.422		18.507	6.1690		1.421	
5	3.542		.165			3.851		.168		
	3.377		.162			3.683		.165		
	3.211		.331			3.518		.333		
	10.130	3.3767		1.753		11.052	3.6840		1.754	
	72.443	24.1477				91.457	30.4857			

F.B. 2892 P.G. 76

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by E. E. Brooks Time 11:05 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM46-9 To BM46-7A
Date 12 July 1963
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	12.443					91.457				
	2.642	24.1477	.149	1.753		3.711	30.4857	.150	1.754	
	2.493		.151			3.561		.150		
	2.342		.300			3.411		.300		
	7.477	2.4923		2.053		10.683	3.5610		2.054	
	5.060		.160			5.838		.165		
	4.900		.160			5.673		.161		
7	4.740		.320			5.512		.326		
	14.700	4.9000		2.373		17.023	5.6743		2.380	
	4.987		.160			6.515		.153		
	4.827		.160			6.362		.156		
8	4.667		.320			6.206		.309		
	14.481	4.8270		2.693		19.083	6.3610		2.689	
	4.482		.163			5.353		.162		
	4.319		.161			5.191		.162		
9	4.158		.324			5.029		.324		
	12.959	4.3197		3.017		15.573	5.1910		3.013	
	4.796		.157			8.081		.160		
	4.639		.160			7.921		.160		
10	4.479		.317			7.761		.320		
	13.914	4.6380		3.334		23.763	7.9210		3.333	
	135.974	45.3247				177.582	59.1940			

F.B. 2893 P.G. 77

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 11:05 - 11:35 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 030108
From BM46-8 To BM46-7A
Date 13 July 1962
Indexed C. J. GALLO

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	135.974					177.582				
11	3.429	45.3247	.167	3.334		6.342	39.1940	.169	3.333	Summation of Run
	3.262		.164			6.173		.164		From B.M. 46-8
	3.098		.331			6.006		.336		To B.M. 46-7A
	9.789	3.2630		3.665		18.521	6.1737		3.669	
12	3.476		.151			6.429		.148		Total Backsights = + 66.3807
	3.325		.149			6.279		.150		Total Foresights = − 75.8410
	3.176		.290			6.129		.298		Diff. Elev. = − 9.4603
	9.977	3.3257		3.955		18.835	6.2783		3.967	
13	5.553		.151			2.219		.157		Backsight stadia = 4.606
	5.402		.154			2.062		.159		Foresight Stadia = 4.627
	5.248		.305			1.903		.316		Total Stadia = 9.233
	16.203	5.4010		4.260		6.184	2.0613		4.283	= .58 mi
14	9.239		.172			2.306		.173		BM46-7A
	9.067		.174			2.133		.171		Live Oak Ave at Riverglade
	8.893		.346			1.962		.344		Rd.
	27.199	9.0663		4.606	86°	6.401	2.1337		4.627	See F.B. 2893-7
	199.142	66.3807				227.523	75.8410			

F.B. 2893 P.G. 7B

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks
Weather: Clear
Inst. No.: 15066
Notes by: K. M. Kapp
Time: 1:15 - 1:55
Rod No.: 19620

Name: L.A. Co. Precise Level Net
Job No.: 0201.02
From: BM 46-8 To: BM 46-9
Date: 7-11-63
Indexed: E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	4.759		160		19	5.912		173		BM 46-8 (Azusa E-12A)
	4.599		160			5.739		177		Live Oak Ave at Sierra
	4.439		320			5.562		350		Madre Ave
	13.797	4.5990		.320	88°	17.213	5.7377		350	See F.B. 1367-163
2	4.338		149			6.333		144		
	4.189		147			6.189		145		T Cook
	4.042		296			6.044		289		
	12.569	4.1897		.616		18.566	6.1887		.639	
3	4.276		157			5.857		159		
	4.119		157			5.698		159		
	3.962		314			5.539		318		
	12.357	4.1190		.930		17.094	5.6980		.957	
4	4.306		151			5.661		154		
	4.155		153			5.507		157		
	4.002		304			5.350		311		
	12.463	4.1543		1.234		16.518	5.5060		1.268	
5	4.001		171			5.719		148		
	3.830		170			5.571		149		
	3.660		341			5.422		297		
	11.491	3.8303		1.575		16.712	5.5707		1.565	
	62.677	20.8923				86.103	28.7011			

F.B. 1367 P.G. 79

PLEASE RETURN TO
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DO NOT EXTEND NOTES THIS SIDE-OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by K.M. Kapp Time 1:15 - 1:55 Rod No. 19820

Name L.A. Co. Precise Level No.
Job No. 0301.02
From BM 46-8 To BM 46-9
Date 7-11-63
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings 62.677	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 86.103	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	4.063	20.8923	152	1.575		5.527	28.7011	151	1.565	
	3.911		150			5.376		150		
	3.761		302			5.226		301		
	11.735	3.9117		1.877		16.129	5.3763		1.866	
7	4.697		161			5.540		164		
	4.536		160			5.376		166		
	4.376		321			5.210		330		
	13.609	4.5363		2.198		16.126	5.3753		2.196	
8	4.683		139			5.621		145		
	4.544		141			5.476		145		
	4.403		280			5.331		290		
	13.630	4.5433		2.478		16.428	5.4760		2.486	
9	4.551		161			5.822		161		
	4.390		160			5.661		161		
	4.230		321			5.500		322		
	13.171	4.3903		2.799		16.983	5.6610		2.808	
10	4.342		120			5.881		111		
	4.222		120			5.770		110		
	4.102		240			5.660		221		
	12.666	4.2220		3.039		17.311	5.7703		3.029	
	127.488	42.4959				169.080	56.3600			

F.B. [illegible] R.G. [illegible]

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by K. M. Kapp Time 1:15 - 1:55 Rod No. 19820

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-8 To BM 46-9
Date 7-11-63
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	127.488					169.080				
	4.271	42.4959	160	3.039		6.143	56.3600	158	3.029	
	4.111		160			5.985		158		
11	3.951		320			5.827		316		
	12.333	4.1110		3.359		17.955	5.9850		3.345	
	4.485		156			6.167		156		Summation of Run
	4.329		157			6.011		154		From B.M. 46-8
2	4.172		313			5.857		310		To B.M. 46-9
	12.986	4.3287		3.672		18.035	6.0117		3.655	
	4.092		144			6.487		151		BM 46-9 (Azusa E-12)
	3.948		146			6.332		154		Sierra Madre Ave. &
13	3.802		290			6.178		311		Olive St.
	11.842	3.9473		3.962	90°	18.997	6.3330		3.966	See F.B. 1367-169
										Total Backsights = + 54.8829
										Total Foresights = − 74.6897
										Diff. Elev. = −19.8068
										Backsight stadia = 3.962
										Foresight Stadia = 3.966
										Total Stadia = 7.928
	164.649					224.069				= 0.50 mi.
	54.8829					74.6897				

F.B. 1893 P.G. 81

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party L. E. Brooks
Notes by C.G. Valdez
Weather CLEAR
Time 10:15 – 11:05
Inst. No. 15066
Rod No. 19620

Name L.A. Co. Precise Level Net
Job No. 6301.02
From BM 46-9 To BM 46-8
Date July 12 - 1963
Indexed L. A. CALL

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	6.321 6.170 6.021		151 149 300		#19	3.955 3.785 3.636		150 150 300		BM 46-9 (Azusa E-12) Sierra Madre Ave. & Olive St.
	18.512	6.1707		.300	78°	11.375	3.7850		.300	See F.B. 1367-K4
2	6.225 6.070 5.915		155 155 310			4.545 4.387 4.230		158 157 315		T. M. Bustrum
	18.210	6.0700		.610		13.162	4.3873		.615	
3	6.163 6.005 5.847		158 158 316			4.297 4.133 3.973		164 160 324		
	18.015	6.0050		.926		12.403	4.1343		.939	
4	5.795 5.681 5.568		114 113 227			4.253 4.135 4.018		118 117 235		
	17.044	5.6813		1.153		12.406	4.1353		1.174	
5	5.545 5.381 5.220		164 161 325			4.277 4.113 3.950		164 163 327		
	16.146	5.3820		1.478		12.340	4.1134		1.501	
	87.927	29.3090				61.666	20.5552			

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather CLEAR Inst. No. 15066
Notes by C. G. VALDEZ Time 10:15-11:05 Rod No. 19520

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-9 To BM 46-8
Date AUG 12-1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	5645		152	1478		4695		134	1501	
	5493		152			4561		134		
	5341		304			4427		268		
	16479	5.4930		1782		13683	4.5610		1769	
7	5530		167			4685		160		
	5363		164			4525		160		
	5199		311			4365		320		
	16092	5.3640		2.093		13575	4.5250		2.089	
8	5341		152			3873		151		
	5189		149			3722		152		
	5040		301			3570		303		
	15570	5.1900		2.393 4		11165	3.7217		2.392	
9	5602		162			3860		161		
	5440		158			3699		164		
	5282		320			3535		325		
	16324	5.4413		2.713 4		11094	3.6980		2.717	
10	5553		156			4200		152		
	5397		157			4048		150		
	5240		313			3898		302		
	16190	5.3967		3.026 7		12146	4.0487		3.019	
	168582	561940				123329	411096			

F.B. 1897 P.G. 83

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by C.G. Valdez Time 10:15 - 11:05 Rod No. 19820

Name B.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-9 To BM 46-8
Date July 12-1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
11	5800		158	3028		4223		158	3019	
	5642		157			4065		156		
	5485		312			3909		314		
	16927	5.6423		3.344		12197	4.0657		3.333	
12	6083		146			4080		149		Summation of Run
	5937		146			3931		146		From B.M. 46-9
	5791		292			3785		295		To B.M. 46-8
	17811	5.9370		3.638		11796	3.9320		3.628	
13	5547		177			4397		162		BM 46-8 (Azusa E-12A)
	5370		173			4235		160		Live Oak Ave. &
	5197		350			4075		322		Sierra Madre Ave.
	16114	5.3713		3.983		12707	4.2357		3.950	See F.B. 1367-163
										Total Backsights = + 731446
										Total Foresights = − 533430
										Diff. Elev. = + 198016
										Backsight stadia = 3.983
										Foresight Stadia = 3.950
										Total Stadia = 7.933
										0.50 MILES
	219434	731446				160029	533430			

F.B. 2897 P.G. 84

76P526-CE 379--10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 1:50 - 2:25 Rod No. 19820

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-9 To BM 46-10 A
Date 11 July 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	4.549 4.372 4.199 13.120	4.3733	.177 .173 .350	350	[illegible]	6.205 6.008 5.811 18.024	6.0080	.197 .197 .394	.394	BM 46-9 (Azusa E-12) Sierra Madre Ave at Olive St. See F.B. 1367-164
2	4.119 3.952 3.789 11.860	3.9533	.167 .163 .330	680		6.168 6.008 5.848 18.023	6.0080	.160 .160 .320	.714	π Cook
3	4.593 4.449 4.303 13.345	4.4483	.144 .146 .290	.970		5.839 5.688 5.540 17.067	5.6890	.151 .148 .299	1.013	
4	4.648 4.494 4.339 13.481	4.4937	.154 .155 .319	1.289		5.910 5.760 5.610 17.280	5.7600	.150 .150 .300	1.313	
5	4.692 4.550 4.408 13.650	4.5500	.142 .142 .284	1.573		5.880 5.733 5.587 17.200	5.7333	.147 .146 .293	1.606	
	65.456	21.8186				87.595	29.1983			

F.B. 2893 P.G. 85

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by E. Brooks Time 1:50 - 2:25 Rod No. 19820

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM46-9 To BM46-10A
Date 11 July 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings 65.456	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 67.595	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	4.580	21.8182	.147	1.573		6.094	24.1983	.155	1.606	
	4.433		.144			5.939		.157		
	4.289		.291			5.782		.312		
	13.302	4.4340		1.864		17.815	5.9383		1.918	
7	4.148		.150			6.960		.140		
	3.998		.150			6.820		.140		
	3.846		.300			6.680		.280		
	11.994	3.9980		2.164		20.460	6.8200		2.198	
8	5.273		.145			5.689		.128		
	5.128		.146			5.561		.130		
	4.982		.291			5.431		.258		
	15.383	5.1277		2.455		16.681	5.5603		2.456	
9	5.001		.140			6.110		.153		
	4.921		.140			5.957		.156		
	4.781		.280			5.801		.309		
	14.763	4.9210		2.735		17.868	5.9560		2.765	
10	4.822		.152			5.999		.147		
	4.670		.152			5.852		.144		
	4.517		.305			5.708		.291		
	14.009	4.6697		3.040		17.559	5.8530		3.056	
	134.907	44.9690				177.978	59.3259			

F.B. 2882 P.G. 86

76P526-CE 379—10-57

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 1:50 – 2:25 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-9 To BM 46-10A
Date 11 July 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	34.907					177.978				
11	4.767	44.9690	.144	3.0~~1~~4 0		6.033	59.3259	.146	3.056	
	4.623		.143			5.940		.148		
	4.480		.287			5.792		.294		
	13.870	4.6233		3.3~~1~~2 7		17.818	5.9393		3.350	
12	4.153		.155			5.456		.155		
	3.998		.158			5.301		.153		
	3.840		.313			5.148		.308		
	11.991	3.9970		3.6~~1~~4 0		15.905	5.3017		3.658	
13	3.593		.171			4.568		.186		BM 46-10A
	3.423		.170			4.382		.184		Sierra Madre Ave at
	3.268		.341			4.198		.370		Los Angeles St.
	10.285	3.4283		3.9~~1~~8 1	90°	13.148	4.3827		4.028	See F.B. 1327-165
						Summation of Run From B.M. 46-9 To B.M. 46-10A				Total Backsights = + 57.0176 ✓ Total Foresights = − 74.9496 ✓ Diff. Elev. = − 17.9320
										Backsight stadia = 3.9~~1~~8 1 ✓ Foresight Stadia = 4.028 ✓ Total Stadia = ~~1.889~~ = .51 mi.
	171.053	57.0176				224.849	74.9496			

F.B. 4893 P.G. 82

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 9:40 - 10:10 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-10A To BM 46-9
Date 12 Sep 1963
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	4.340		.185			3.387		.182		BM 46-10 A
	4.155		.182			3.205		.184		Sierra Madre Ave at
	3.973		.367			3.021		.366		Los Angeles St.
	12.468	4.1560		367	72°	9.613	3.2043		366	See F.B. 1367-165
2	5.440		.155			4.133		.156		
	5.285		.155			3.977		.157		⊼ Bustum
	5.130		.310			3.820		.313		
	15.855	5.2850		.677		11.930	3.9767		.679	
3	6.017		.148			4.700		.141		
	5.869		.147			4.559		.144		
	5.722		.295			4.415		.285		
	17.608	5.8693		.972		13.674	4.5580		.964	
4	6.889		.147			4.702		.152		
	5.742		.145			4.557		.155		
	5.597		.292			4.402		.307		
	17.228	5.7427		1.264		13.668	4.5560		1.271	
5	5.983		.156			4.940		.143		
	5.827		.154			4.797		.144		
	5.673		.310			4.653		.287		
	17.483	5.8277		1.574		14.390	4.7967		1.558	
	80.642	26.8807				63.275	21.0917			

F.B. 2827 P.G. 88

76P526-CE 379—10-57

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 9:40 - 10:10 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-10A To BM 46-9
Date 12 July 1963
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	20.642					63.275				
6	5.578	26.8807	.138	1.574		5.138	21.0917	.136	1.558	
	5.440		.138			5.002		.135		
	5.302		.271			4.867		.271		
	16.320	5.4400		1.850		15.007	5.0023		1.829	
7	6.943		.146			4.123		.143		
	6.797		.147			3.980		.147		
	6.650		.293			3.833		.290		
	20.390	6.7967		2.143		11.936	3.9787		2.119	
8	6.032		.155			4.515		.146		
	5.877		.156			4.369		.144		
	5.721		.311			4.225		.290		
	17.630	5.8767		2.454		13.109	4.3697		2.409	
9	5.712		.135			4.549		.154		
	5.577		.136			4.395		.153		
	5.441		.271			4.242		.307		
	16.730	5.5767		2.725		13.186	4.3953		2.716	
10	5.822		.157			4.545		.146		
	5.665		.155			4.399		.148		
	5.510		.312			4.251		.294		
	16.997	5.6657		3.037		13.195	4.3983		3.010	
	168.709	56.2365				129.708	43.2360			

F.B. 2893 P.G. 88

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 9:40 - 10:10 Rod No. 19-20

Name LA. Co. Precise Level Net
Job No. 0301.02
From BM 46-10A To BM 46-9
Date 12 July 1963
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings 168.709	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 169.408	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
11	5.813	57.2865	.132	3.039		4.567	43.2360	.145	3.010	
	5.661		.151			4.422		.144		
	5.510		.303			4.278		.289		
	16.984	5.6613		3.340		13.267	4.4223		3.299	
12	6.005		.150			3.978		.175		
	5.855		.150			3.803		.178		
	5.705		.300			3.625		.353		
	17.565	5.8550		3.640		11.406	3.8020		3.652	
13	6.221		.198			4.561		.174		BM 46-9 (Azusa E-12)
	6.023		.198			4.387		.174		Sierra Madre Ave at
	5.825		.396			4.213		.348		Olive St.
	18.069	6.0230		4.036	78°	13.161	4.3870		4.000	See F.B. 1367-164
						Summation of Run From B.M. 46-10A To B.M. 46-9				Total Backsights = + 73.7758
										Total Foresights = − 55.8473
										Diff. Elev. = + 17.9285
										Backsight stadia = 4.036
										Foresight Stadia = 4.000
										Total Stadia = 8.036
										= .57 mi.
	221.327	73.7758				167.542	55.8473			

F.B. 2823 R.G. 90

76P526-CE 379—10-57

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by K. M. Kapp Time 2:35-3:25 Rod No. 19420

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-10A To BM 46-11
Date 7-11-63
Indexed R. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	4.218		168		19	5.842		166		BM 46-10A
	4.050		168			5.676		168		Sierra Madre Ave at Los
	3.882		336			5.508		334		Angeles St.
	12.150	4.0500		.336	90°	17.026	5.6753		.334	See F.B. 1367-165
2	5.058		140			5.600		130		
	4.918		140			5.470		130		T Cook
	4.778		280			5.340		260		
	14.754	4.9180		.616		16.410	5.4700		.594	
3	5.060		118			5.576		139		
	4.942		114			5.437		139		
	4.828		232			5.298		278		
	14.830	4.9433		.898		16.311	5.4370		.872	
4	4.801		135			6.480		140		
	4.666		135			6.340		140		
	4.531		270			6.200		280		
	13.998	4.6660		1.118		19.020	6.3400		1.152	
5	4.321		141			5.660		159		
	4.180		140			5.501		156		
	4.040		281			5.345		315		
	12.541	4.1803		1.399		16.506	5.5020		1.467	
	68.473	22.7576				85.473	28.4243			

F.B. 2873 P.G. 21

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE ON CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. L. Brouse Weather: Clear Inst. No. 15066
Notes by: K. M. Kapp Time: 2:35 - 3:25 Rod No. 19820

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: B.M. 46-10A To: B.M. 46-11
Date: 7-11-63
Indexed: R. J. GALL

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	12.393					15.273				
6	4.299	12.7596	150	1.399		5.908	18.1243	130	1.467	
	4.099		150			5.778		130		
	3.999		300			5.648		260		
	12.397	4.0990		1.699		17.334	5.7780		1.727	
7	4.778		126			5.591		151		
	4.652		125			5.440		151		
	4.547		251			5.289		302		
	14.017	4.6723		1.950		16.320	5.4400		2.029	
8	3.860		163			6.272		134		
	3.697		166			6.236		136		
	3.531		329			6.102		270		
	11.088	3.6960		2.279		18.712	6.2373		2.899	
9	4.408		163			5.968		176		
	4.245		160			5.792		173		
	4.085		323			5.619		349		
	12.738	4.2460		2.602		17.379	5.7930		2.648	
10	4.542		199			4.939		131		
	4.393		150			4.808		130		
	4.243		299			4.678		261		
	13.178	4.3927		2.901		14.425	4.8083		2.909	
	111.591	47.8631				169.415	56.4809			

B.M. 46-9 Elev. 42.

76P526-CE 379--10-57

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by K. M. Kapp Time 2:35 - 3:25 Rod No. 19520

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-10A To BM 46-11
Date 7-11-63
Indexed R. A. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	131.591					169.443				
	4.968	4.8636	160	2.901		6.021	5.4809	163	2.909	
	4.808		158			5.858		166		
11	4.650		318			5.692		329		
	14.426	4.8087		3.219		17.571	5.8570		3.238	
	5.101		140			5.946		136		
	4.961		140			5.810		135		
2	4.821		280			5.675		271		
	14.883	4.9610		3.499		17.431	5.8103		3.509	
	7.457		190			9.315		210		BM 46-11 (PuenteE-2A)
	7.267		186			9.105		207		Ramona Blvd. &
13	7.081		376			8.898		417		Sierra Madre Ave.
	21.805	7.2683		3.875	90°	27.318	9.1060		3.926	See F.B. 1367-166

Summation of Run
From B.M. 46-10A
To B.M. 46-11

Total Backsights = + 60.9016
Total Foresights = − 77.2542
Diff. Elev. = −16.3526

Backsight stadia = 3.875
Foresight Stadia = 3.926
Total Stadia = 7.801
= .49 mi.

F.B. 2823 P.G. 93

35.705 60.9016 231.763 77.2542

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather CLEAR Inst. No. 15066
Notes by C. G. VALDEZ Time 9:45 - 9:35 Rod No. 19-20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 46-11 To BM 46-10A
Date JULY 12 - 1963
Indexed E. J. GARZA

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	9.230		209		4.9	7.372		187		BM 46-11 (Puente E-2A)
	9.021		211			7.185		184		Sierra Madre Ave. at
	8.810		420			7.001		371		Ramona Blvd
	27.061	9.0203		.420	68'	21.558	7.1860		.371	See F.B. 1367-166
2	5.831		126			5.007		150		
	5.706		125			4.857		154		⊼ BUSTRUM.
	5.580		251			4.705		304		
	17.116	5.7053		.671		14.569	4.8563		.675	
3	5.869		164			4.820		160		
	5.705		162			4.660		160		
	5.543		326			4.500		320		
	17.117	5.7057		.957		13.980	4.6600		.995	
4	4.832		142			4.412		137		
	4.690		141			4.275		137		
	4.549		283			4.138		274		
	14.071	4.6903		1.280		12.825	4.2750		1.269	
5	5.990		175			4.433		161		
	5.815		174			4.272		162		
	5.641		349			4.110		323		
	17.446	5.8153		1.629		12.815	4.2717		1.592	
	92.811	30.9369				75.747	25.2490			

FB 2893 PG 94

76P526-CE 379—10-57

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather CLEAR Inst. No. 15066
Notes by C. G. VALDEZ Time 8:45 - 9:35 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 030162
From BM46-11 To BM46-10A
Date JULY 12-1963
Indexed E. J. GALFF

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
7	6.473		143	1.629		3.945		156	1.592	
	6.330		140			3.789		156		
	6.190		283			3.633		312		
	18993	6.3310		1.912		11.367	3.7890		1.901	
7	5.740		157			4.937		122		
	5.583		158			4.815		120		
	5.425		315			4.695		242		
	16.748	5.5827		2.227		14447	4.8157		2.146	
8	5.932		129			4.277		152		
	5.803		128			4.125		152		
	5.675		257			3.973		304		
	17410	5.8033		2.484		12.375	4.1250		2.450	
9	5.791		156			4.458		141		
	5.635		157			4.317		142		
	5.478		313			4.175		283		
	16.904	5.6347		2.797		12.950	4.3167		2.733	
10	5.880		130			4.221		148		
	5.750		129			4.073		148		
	5.621		259			3.925		296		
	17.251	5.7503		3.056		12.219	4.0730		3.029	
	180.117	600389				139.105	46368			

F.B. 2583 P.G. 25

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party B.E. Brooks Weather CLEAR Inst. No. 15066
Notes by C.G. VALDEZ Time 8:45 - 9:35 Rod No. 19-20

Name E.A. Co. Precise Level Net
Job No. [illegible]
From BM 46-11 To BM 46-10A
Date
Indexed C. J. GAILL

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
11	5.368		130	3.056		4.873		126	3.029	Summation of Run
	5.238		131			4.747		127		From B.M. 46-11
	5.107		261			4.620		253		To B.M. 46-10A
	15.713	5.2377		3.317		14.240	4.7467		3.282	
12	5.437		122			4.910		149		Total Backsights = + 761633
	5.315		120			4.761		150		Total Foresights = − 598258
	5.195		242			4.611		299		Diff. Elev. = + 163375
	15.947	5.3157		3.559		14.282	4.1607		3.581	
13	5.740		170			4.118		169		BM 46-10A
	5.570		167			3.949		166		Sierra Madre Ave at Los
	5.403		337			3.783		335		Angeles St.
	16.713	5.5710		3.896	72°	11.850	3.9500		3.916	See T.B. 1367-165
										Backsight stadia = 3896
										Foresight Stadia = 3916
										Total Stadia = 7812
										.49 Miles
	228490	761633				179477	598258			

F.B. 2893 PG. 96

76P526-CE 379—10-57

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 2:45 – 3:25 Rod No. 19 & 20

E.A. Co. Precise Level Net
Name
Job No. 0301.02
From B.M. 46-10A To B.M. 46-11
Date 12 July 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4.261		.168		*19	5.986		.129		B.M. 46-10 A
	4.093		.165			5.857		.128		Sierra Madre Ave at Los
	3.926		.333			5.549		.337		Angeles St.
1	12.282	4.0940		.333	90°	17.152	5.7173		.337	See FB. 1369-165
	5.443		.138			5.989		.131		
	5.305		.139			5.858		.130		T Kopp
	5.166		.277			5.728		.261		
2	15.914	5.3047		.610		17.575	5.8583		.598	
	5.520		.118			6.032		.140		
	5.402		.114			5.892		.140		
	5.288		.232			5.752		.280		
3	16.210	5.4033		.842		17.676	5.8920		.878	
	5.069		.138			6.748		.140		
	4.931		.135			6.608		.140		
	4.796		.273			6.468		.280		
4	14.796	4.9320		1.115		19.824	6.6080		1.158	
	5.136		.143			6.469		.156		
	4.993		.142			6.313		.155		
	4.851		.285			6.158		.311		
5	14.980	4.9933		1.400		19.940	6.3133		1.469	
	74.162	24.7973				91.167	30.3889			

F.B. 2823 P.G. 27

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 2:45 - 3:25 Rod No. 19820

Name L.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 46-10A To B.M. 46-11
Date 12 July 1963
Indexed J. J. GALLY

Number of Station	BACKSIGHT Thread Readings 94.107	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 91.167	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4.520	24.7273	.153	1.400		6.183	30.3889	.125	1.469	
	4.377		.154			6.058		.129		
	4.223		.307			5.929		.254		
6	13.130	4.3767		1.707		18.170	6.0567		1.923	
	5.047		.125			5.848		.157		
	4.922		.120			5.691		.156		
	4.802		.245			5.535		.313		
7	14.771	4.9237		1.952		17.074	5.6913		2.036	
	4.237		.159			6.760		.140		
	4.078		.158			6.620		.140		
	3.920		.317			6.480		.280		
8	12.235	4.0783		2.269		19.860	6.6200		2.316	
	4.643		.170			6.188		.170		
	4.473		.171			6.018		.167		
	4.302		.341			5.851		.337		
9	13.418	4.4727		2.610		18.057	6.0190		2.653	
	4.785		.134			5.210		.147		
	4.651		.136			5.063		.145		
	4.515		.270			4.918		.292		
10	13.951	4.6503		2.880		15.191	5.0637		2.945	
	141.687	47.2290				179.519	59.8396			

F.E. 2893 F.G. 98

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by E. E. Brooks Time 2:45 - 3:25 Rod No. 19 & 20

Name E.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 46-10A To B.M. 46-11
Date 12 July 1963
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	141.687					179.519				
	5.159	47.2290	.171	2.8~~8~~0		6.188	59.8396	.155	2.945	
	4.988		.172			6.033		.151		
	4.816		.343			5.882		.306		
11	14.963	4.9877		3.2~~8~~3		18.103	6.0343		3.251	
	5.383		.142			6.228		.136		
	5.241		.140			6.092		.134		
	5.101		.282			5.958		.270		
12	15.725	5.2417		3.5~~1~~0		18.278	6.0927		3.521	
	7.538		.187			9.398		.210		BM 46-11 (Puente F-2A)
	7.351		.185			9.188		.210		Ramona Blvd and Sierra
	7.166		.372			8.978		.420		Madre Ave
13	22.055	7.3517		3.8~~8~~7	88°	27.564	9.1880		3.941	see F.B. 1367-166
						Summation of Run From B.M. 46-10A To B.M. 46-11				Total Backsights = + 64.8101
										Total Foresights = − 81.1546
										Diff. Elev. = −16.3445
										Backsight stadia = 3.8~~8~~7
										Foresight Stadia = 3.941
										Total Stadia = 7.8~~2~~8
										= .49 mi
	194.430	64.8101				243.464	81.1546			

F.B. 2893 P.G. 99

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by K. M. Kapp Time 8:50 - 9:15 Rod No. 19 & 20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 46-11 To BM 46-12
Date 7-15-63
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	7.552		141		19	5.081		160		BM 46-11 (Puente E-2A)
	7.411		142			4.921		160		Sierra Madre Ave at
1	7.269		283			4.761		320		Ramona Blvd.
	22.232	7.4107		.283	70°	14.763	4.9210		.320	See F.B. 367-166
	6.629		143			4.893		144		
	6.486		145			4.749		147		T. Valdez
2	6.341		288			4.602		291		
	19.456	6.4853		.571		14.244	4.7480		.611	
	6.599		167			5.220		130		
	6.432		164			5.090		130		
3	6.268		331			4.960		260		
	19.299	6.4330		.902		15.270	5.0900		.871	
	6.460		142			4.387		148		
	6.318		142			4.239		147		
4	6.176		284			4.092		295		
	18.954	6.3180		1.186		12.718	4.2393		1.166	
	6.217		158			4.917		156		
	6.059		158			4.761		152		
5	5.901		316			4.608		308		
	18.177	6.0590		1.502		14.287	4.7623		1.474	
	98.118	32.7060				71.282	23.7606			

F.B. 2823 P.G. 101

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: A. L. Brooks Weather: Clear Inst. No. 15066
Notes by: K. M. Kopp Time: 8:50 - 9:15 Rod No. 19820

L.A. Co. Precise Level Net
Name:
Job No. 0201.02
From: BM 46-11 To: BM 46-12
Date: 2-13-63
Indexed: W. J. Galle

Number of Station	BACKSIGHT Thread Readings 98.118	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 71.282	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	6.241	32.7060	144	1.502		5.018	23.7606	144	1.474	
	6.097		147			4.874		142		
	5.950		291			4.732		286		
	18.288	6.0960		1.773		14.624	4.8747		1.760	
7	5.310		153			4.184		145		Summation of Run
	5.157		154			4.039		146		From B.M. 46-11
	5.003		307			3.893		291		To B.M. 46-12
	15.470	5.1567		2.100		12.116	4.0387		2.051	
8	5.962		060			6.390		079		BM 46-12 (Puente E.25)
	5.902		060			6.311		079		Maine Ave. &
	5.842		120			6.232		158		Ramona Blvd.
	17.706	5.9020		2.220	72°	18.933	6.3110		2.209	See F.B. 1367-167
F.B. 1893 P.G. 102										Total Backsights = + 47.8607
										Total Foresights = − 38.9850
										Diff. Elev. = + 10.8757
										Backsight stadia = 2.220
										Foresight Stadia = 2.209
										Total Stadia = 4.429
	149.582					116.955				= 0.28 mi.
		47.8607					38.9850			

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by E. E. Brooks Time 1:10 – 1:25 Rod No. 19820

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-12 To BM 46-11
Date 15 July 1963
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	6.354 6.284 6.216	6.2853	.068 .070 .138	.138	86°	6.247 5.977 5.807	5.9770	.070 .070 .140	.140	BM 46-12 (Puente E-2B) Maine Ave. & Ramona Blvd. See F.B. 1367-167
2	4.012 3.868 3.722	3.8673	.144 .146 .290	.425		5.141 4.987 4.833	4.9870	.154 .154 .308	.449	π Cook
3	4.170 4.028 3.884	4.0273	.142 .144 .286	.711		6.394 5.251 5.108	5.2510	.143 .143 .286	.734	
4	4.060 3.906 3.752	3.906.0	.154 .154 .308	1.022		6.362 5.207 5.048	5.2043	.155 .155 .314	1.048	
5	4.198 4.051 3.908	4.0523	.147 .143 .290	1.312		6.272 6.129 5.984	6.1283	.143 .145 .288	1.336	
	66.415	22.1382				82.343	27.4476			

F.B. 2893 P.G. 103

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks F. E. Brooks Weather Clear Inst. No. 15066
Notes by Time 1:10 - 1:25 Rod No. 19820

Name LA. Co. Precise Level Net
Job No. 0301.02
From BM 46-12 To BM 46-11
Date 15 July 1963
Indexed E. J. Gaffy

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	22.475					27.343				
6	5.041	22.1382	.140	1.312		6.299	27.4471	.151	1.332	
	4.901		.140			6.248		.155		
	4.761		.280			6.093		.306		
	14.703	4.9010		1.592		18.740	6.2467		1.642	
7	4.825		.155			6.540		.132		Summation of Run
	4.670		.157			6.408		.132		From B.M. 46-12
	4.513		.312			6.276		.264		To B.M. 46-11
	14.008	4.6693		1.904		19.224	6.4080		1.906	
8	5.063		.149			7.557		.150		BM 46-11 (Puente E-2A)
	4.914		.151			7.402		.152		Sierra Madre Ave. &
	4.763		.300			7.250		.302		Ramona Blvd.
	14.740	4.9133		2.204	88°	22.204	7.4013		2.208	See F.B. 1367-166
	109.866	36.6218				142.511	47.5036			

F.B. 2893 P.G. 104

Backsight stadia = 2.204
Foresight Stadia = 2.208
Total Stadia = 4.412
0.28

Total Backsights = + 36.6218
Total Foresights = − 47.5036
Diff. Elev. = −10.8818

[signature]

76P526-CE 379--10-57

PLEASE RETURN TO
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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 9:15 - 9:35 Rod No. 19820

Name E.A. Co. Precise Level Net
Job No. 0301.02
From BM 46-12 To BM 46-13
Date 15 July 1963
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	7.470 7.309 7.146 21.925	7.3083	.161 .163 .324	.324	72°	5.277 5.122 4.871 15.370	5.1233	.155 .151 .306	.306	BM 46-12 (Route E2B) Ramona Blvd at Maine Ave See F.B. 1367-167
2	6.078 5.932 5.789 17.799	5.9330	.146 .143 .289	.613		5.142 5.000 4.857 14.999	4.9997	.142 .143 .285	.581	* Valdez
3	6.557 5.400 5.243 16.200	5.4000	.157 .157 .314	.927		5.026 4.869 4.712 14.607	4.8690	.157 .157 .314	.895	
4	6.881 5.742 5.607 17.230	5.7433	.139 .135 .274	1.201		4.648 4.508 4.368 13.524	4.5080	.140 .140 .280	1.185	
5	5.879 5.722 5.569 17.170	5.7233	.157 .153 .310	1.511		5.110 4.954 4.799 14.863	4.9543	.156 .155 .311	1.486	
	90.324	30.1079				73.363	24.4543			

F.B. 2893 P.G. 105

PLEASE RETURN TO
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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 9:15 – 9:35 Rod No. 19 & 20

Name L.A. Co. Precise Level Net
Job No. 0501.02
From BM 46-14 To BM 46-13
Date 15 July 1967
Indexed M. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	22.324					23.363				
6	6.023	30.1079	.141	1.511		4.751	24.4543	.151	1.486	
	5.882		.141			4.600		.151		
	5.741		.282			4.449		.302		
	17.646	5.8820		1.793		13.800	4.6000		1.786	
7	6.958		.158			4.325		.163		
	6.800		.157			4.162		.162		
	6.643		.315			4.000		.325		
	20.401	6.8003		2.108		12.487	4.1623		2.123	
8	4.648		.127			7.040		.140		BM 46-13 (Pucule F.2)
	4.521		.122			6.900		.140		Ramona Blvd at Depot St
	4.399		.249			6.760		.280		See F.B. 1367-168
	13.568	4.5227		2.354	78°	20.700	6.9000		2.393	
						Summation of Km From B.M. 12 To B.M. 13				Total Backsights = + 47.3129
										Total Foresights = − 40.1166
										Diff. Elev. = + 7.1963
										Backsight stadia = 2.357
										Foresight Stadia = 2.393
										Total Stadia = 4.750
										= .30 mi.
	141.939	47.3129				120.350	40.1166			

F.B. 1893 Pg. 106

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by K. M. Kapp Time 11:35-11:55 Rod No. 19-20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 46-13 To BM 46-12
Date 7-15-63
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	7.290		140		19	4.895		125		BM 46-13 (Puente F-2)
	7.150		143			4.770		125		Ramona Blvd at Depot
	7.007		283			4.645		250		St.
	21.447	7.1490		.283	84°	14.310	4.7700		.250	See F.B. 1367-168
2	4.398		160			7.029		157		
	4.238		164			6.872		155		T Cook
	4.074		324			6.717		312		
	12.710	4.2367		.607		20.618	6.8727		.562	
3	4.530		140			5.828		156		
	4.390		140			5.672		153		
	4.250		280			5.519		309		
	13.170	4.3900		.887		17.019	5.6730		.871	
4	4.967		158			5.732		153		
	4.809		159			5.579		155		
	4.650		317			5.424		308		
	14.426	4.8087		1.204		16.735	5.5783		1.179	
5	4.665		138			5.898		138		
	4.527		142			5.760		137		
	4.385		280			5.623		275		
	13.577	4.5257		1.484		17.281	5.7603		1.454	
	75.330	25.1101				85.963	28.6543			

F.B. 2893 P.G. 107

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 13066
Notes by K. M. Kapp Time 11:35-11:55 Rod No. 19-20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 46-13 To BM 46-12
Date 7-15-63
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings 75.330	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 85.963	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	4.830	25.1101	158	1.484		5.362	28.6543	155	1.454	
	4.672		154			5.207		159		
	4.518		312			5.048		317		
	14.020	4.6733		1.796		15.617	5.2057		1.768	
7	4.427		145			5.359		140		
	4.282		143			5.217		143		
	4.139		288			5.076		283		
	12.848	4.2827		2.084		15.654	5.2180		2.051	
8	5.162		142			7.372		170		BM 46-12 (Precise E 26)
	5.020		142			7.202		170		Ramona Blvd at Maine
	4.878		284			7.032		340		Ave
	15.060	5.0200		2.368	84°	21.606	7.2020		2.391	See F.B. 1367-167
	117.258					138.840				
		39.0861					46.2800			

Summation of Run
From B.M. 46-13
To B.M. 46-12

Total Backsights = 39.0861
Total Foresights = 46.2800
Diff. Elev. = -7.1939

Backsight stadia = 2.368
Foresight Stadia = 2.391
Total Stadia = 4.759
= 0.30 mi.

F.B. 2892 P.G. 108

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by K. M. Kapp Time 9:45-10:10 Rod No. 19820

Name L.A. Co. Precise Level No.
Job No. 0301.02
From BM 4L-13 To BM 16-5A
Date 7-15-63
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	6.483		182		19	5.310		185		BM 4L-13 (Pierce F-2) Ramona Blvd at Depot St.
	6.301		182			5.125		185		
	6.119		364			4.940		370		
	18.903	6.3010		364	78°	15.375	5.1250		370	See F.B. 1267-168
2	6.060		148			4.621		148		
	5.912		144			4.473		145		π Valdez
	5.768		292			4.328		293		
	17.740	5.9133		.656		13.422	4.4740		.663	
3	6.116		154			4.802		163		
	5.962		151			4.639		163		
	5.811		305			4.476		326		
	17.889	5.9630		.961		13.917	4.6390		.989	
4	6.165		143			4.955		146		
	6.022		142			4.809		148		
	5.880		285			4.661		294		
	18.067	6.0223		1.246		14.425	4.8083		1.283	
5	5.663		162			4.978		146		
	5.501		162			4.832		143		
	5.339		324			4.689		289		
	16.503	5.5010		1.570		14.499	4.8330		1.572	
	89.102	29.7006				71.638	23.8793			

F.B. 2873 P.G. 109

PLEASE RETURN TO
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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by K. M. Kopp Time 9:45-10:10 Rod No. 19 & 20

Name E.A. Co. Precise Level Net
Job No. 030102
From BM 46-13 To BM 16-5A
Date 7-15-63
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings 89.402	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 71.638	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	5.597	29.7006	146	1.570		4.849	23.8793	149	1.572	Summation of Run
	5.451		143			4.700		147		From B.M. 46-13
	5.308		289			4.551		298		To B.M. 16-5A
	16.356	5.4520		1.859		14.100	4.7000		1.870	
7	6.470		154			4.492		154		Total Backsights = + 53.7502
	6.316		156			4.338		158		Total Foresights = − 42.6286
	6.160		310			4.180		312		Diff. Elev. = + 11.1216
	18.946	6.3153		2.169		13.010	4.3367		2.182	
8	6.328		147			4.600		144		Backsight stadia = 2.743
	6.181		143			4.456		146		Foresight Stadia = 2.784
	6.038		290			4.310		290		Total Stadia = 5.527
	18.547	6.1823		2.459		13.366	4.4553		2.472	= 0.35 mi.
9	6.242		142			5.913		155		B.M. 16-5A (Reset 1960 Puente G-2)
	6.100		142			5.258		157		Puente Ave. &
	5.958		284			5.101		312		Badillo Ave.
	18.300	6.1000		2.743	80°	15.772	5.2573		2.784	See F.B. 2886-165
	161.251					127.886				
		53.7502					42.6286			

F.B. 2893 PG. 110

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks
Notes by: F. E. Brooks
Weather: Clear
Time: 11:05 - 11:25
Inst. No.: 15066
Rod No.: 19820

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 16-5A To: BM 46-13
Date: 15 July 1953
Indexed: E. J. GALLY

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	5.274 5.126 4.909		.148 .147 .095			6.119 5.969 5.818		.151 .150 .301		BM 16-5A (Puente 6-2 Reset 1960) Puente Ave. & Badillo Ave. See F.B. 2886-165
	15.309	5.1263		.235	82°	17.905	5.9683		.301	
2	4.495 4.349 4.202		.146 .147 .293			6.220 6.075 5.930		.145 .145 .290		T Cook
	13.046	4.3487		.585		18.225	6.0750		.591	
3	4.439 4.281 4.121		.153 .160 .310			6.415 6.259 6.105		.156 .154 .310		
	12.841	4.2803		.906		18.779	6.2597		.901	
4	4.901 4.751 4.601		.150 .150 .300			5.647 5.502 5.358		.145 .144 .289		
	14.253	4.7510		1.206		16.507	5.5023		1.190	
5	4.862 4.705 4.549		.157 .156 .313			5.523 5.373 5.223		.150 .150 .300		
	14.116	4.7053		1.519		16.119	5.3730		1.490	
	69.635	23.2116				87.535	29.1783			

F.B. 2823 P.G. 111

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 11:05 - 11:25 Rod No. 19 & 20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 16-5A To B.M. 46-13
Date 15 July 1967
Indexed E. J. CALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals
	69.635					67.535			
1	4.770	23.2116	.147	1.519		5.979	29.1783	.141	1.490
	4.623		.144			5.838		.144	
6	4.476		.294			5.694		.185	
	13.869	4.6230		1.813		17.511	5.8370		1.775
	4.777		.150			6.115		.164	
	4.627		.150			5.951		.166	
7	4.477		.300			5.785		.370	
	13.881	4.6270		2.113		17.851	5.9503		2.105
	4.385		.147			5.822		.144	
	4.238		.149			5.678		.148	
8	4.089		.296			5.530		.292	
	12.712	4.2373		2.409		17.030	5.6767		2.397
	5.270		.185			6.447		.185	
	5.085		.185			6.262		.183	
9	4.890		.370			6.079		.368	
	15.245	5.0817		2.779	84°	18.788	6.2627		2.765
	125.342	41.7806				158.715	52.9050		

F.B. 2893 G.112

DESCRIPTION AND REMARKS

Summation of Run
From B.M. 16-5A
To B.M. 46-13

Total Backsights = + 41.7806
Total Foresights = − 52.9050
Diff. elev. = − 11.1244

Backsight stadia = 2.779
Foresight Stadia = 2.765
Total Stadia = 5.544
= .35 mi.

BM 46-13 (Puente F-2)
Ramona Blvd. &
Depot St.
See F.B. 1367-168

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 10:10 - 10:35 Rod No. 19-20

Name L.A. Co. Precise Level Nell
Job No. 0301.02
From BM 16-5A To BM 16-6
Date 15 July 1963
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	4.901 4.751 4.601 14.253	4.7510	.150 .150 .300	.300	80°	[illegible] 7.659 7.484 22.974	7.6580	.172 .175 .347	.347	BM 16-5A (Puente G2 Rest 1960) Badillo Ave at Puente Ave see F.B. 2882-165
2	4.305 4.151 3.998 12.454	4.1513	.154 .153 .307	.607		5.582 5.451 5.320 16.353	5.4510	.131 .131 .262	.609	T Valdez
3	4.841 4.698 4.553 14.092	4.6973	.143 .145 .288	.895		6.257 6.099 5.939 18.295	6.0983	.158 .160 .318	.927	
4	4.783 4.630 4.480 13.893	4.6310	.153 .150 .303	1.198		6.262 6.109 5.953 18.324	6.1080	.153 .156 .309	1.236	
5	4.187 4.032 3.881 12.100	4.0333	.155 .151 .306	1.504		5.661 5.506 5.351 16.518	5.5060	.155 .155 .310	1.546	
	46.792	22.2639				92.464	30.8213			

F.B. 2893 P.G. 113

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks Weather: Clear Inst. No. 15266
Notes by: E. E. Brooks Time: 10:10 – 10:35 Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No.: 6741.07
From: BM 16-5A To: BM 16-6
Date: 15 Oct 1963
Indexed: M. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	11.792					22.464				
6	4.262	22.2639	.153	1.504		5.414	30.8213	.136	1.546	
	4.109		.155			5.278		.137		
	3.954		.308			5.141		.313		
	12.325	4.1083		1.812		15.833	5.2777		1.819	
7	4.117		.143			5.490		.155		
	4.474		.143			5.335		.152		
	4.331		.286			5.180		.310		
	13.422	4.4740		2.098		16.005	5.3350		2.129	
8	5.507		.092			1.774		.092		BM 16-6
	5.410		.098			1.774		.098		Monte Ave at Milbury Ave
	5.312		.195			1.579		.195		(Cleary Dr.)
	14.229	5.4097		2.193	80°	22.030	6.6767		2.324	See FB. 1360 205
F.B. 2892 Pg. 1-4						Summation of Run From B.M. 16-5A To B.M. 16-6				Total Backsights = Σ 34.2559
										Total Foresights = 48.1107
										Diff. Elev. = -13.8548
										Backsight stadia = 2.293
										Foresight Stadia = 2.324
										Σ Stadia = 4.617
										= 1.031
	106.968	31.2559				144.332	48.1107			

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by K. M. Kapp Time 10:45-11:05 Rod No. 19-20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 16-6 To BM 16-5A
Date 7-15-63
Indexed [redacted] J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	6.775		099		19	5.508		098		BM 16-6
	6.676		098			5.410		098		Puente Ave @ Millbury Ave
	6.578		197			5.312		196		(Cleary Dr.)
	20.029	6.6763		.197	80	16.230	5.4100		.196	See F.B. 1380-405
2	6.122		153			5.252		143		
	5.969		152			5.109		142		T Cook
	5.817		305			4.967		285		
	17.908	5.9693		.502		15.328	5.1093		.481	
3	6.059		147			4.893		149		
	5.912		146			4.744		146		
	5.766		293			4.598		295		
	17.737	5.9123		.795		14.235	4.7450		.776	
4	5.452		153			3.977		153		
	5.299		157			3.824		153		
	5.142		310			3.671		306		
	15.893	5.2977		1.105		11.472	3.8240		1.082	
5	5.243		156			3.759		150		
	5.087		155			3.609		150		
	4.932		311			3.459		300		
	15.262	5.0873		1.416		10.827	3.6090		1.382	
	86.829	28.9429				68.092	22.6973			

F.B. 2893 G. 115

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party R. E. Brooks Weather Clear Inst. No. 15066
Notes by K. M. Kapp Time 10:45 - 11:05 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 8301.62
From BM 16-6 To BM 16-5A
Date 7-15-63
Indexed [illegible] J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	86.829					68.092				
6	6.172	28.9429	151	1.416		4.760	22.6973	144	1.382	
	6.015		155			4.616		144		
	5.860		312			4.472		288		
	18.047	6.0157		1.728		13.848	4.6160		1.670	
7	5.377		129			4.107		159		Summation of Run
	5.248		128			3.948		157		From B.M. 16-6
	5.120		257			3.791		316		To B.M. 16-5A
	15.745	5.2483		1.785		11.846	3.9487		1.986	
8	7.651		172			4.725		151		BM 16-5A (Puente G.R. Reset
	7.479		169			4.574		152		Rad. 11.0 Ave. at Puente Ave.
	7.310		341			4.422		303		see F.B. 2686-165
	22.440	7.4800		2.326	82°	13.721	4.5737		2.289	
	143.061					107.507				
		47.6869					35.8357			

Total Backsights = + 47.6869
Total Foresights = − 35.8357
Diff. Elev. = + 11.8512

Backsight stadia = 2.326
Foresight Stadia = 2.289
Total Stadia = 4.615
= 0.29 mi.

F.B. 2893 P.G. 116

Notes Ck'd by	Survey of L.A.Co. PRECISE LEVEL NET
Map No.	JN 0301.02 Tape Std °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes Date SEPT 1971
Date	Indexed T. M. PALMERI OCT 20 '7

F. B. 2893 PG. 117

JOB NO. 0301.02

L.A.Co. PRECISE LEVEL NET

LINE NO. 46, 1971 RELEVELING

DESCRIPTION REFERENCES

F.B. 1367-151 TO 170

F.B. 3713-7 TO 44

F.B. 2893-7

DREIER

MALDONADO

GOBLE

SIEMANN

MCKNIGHT

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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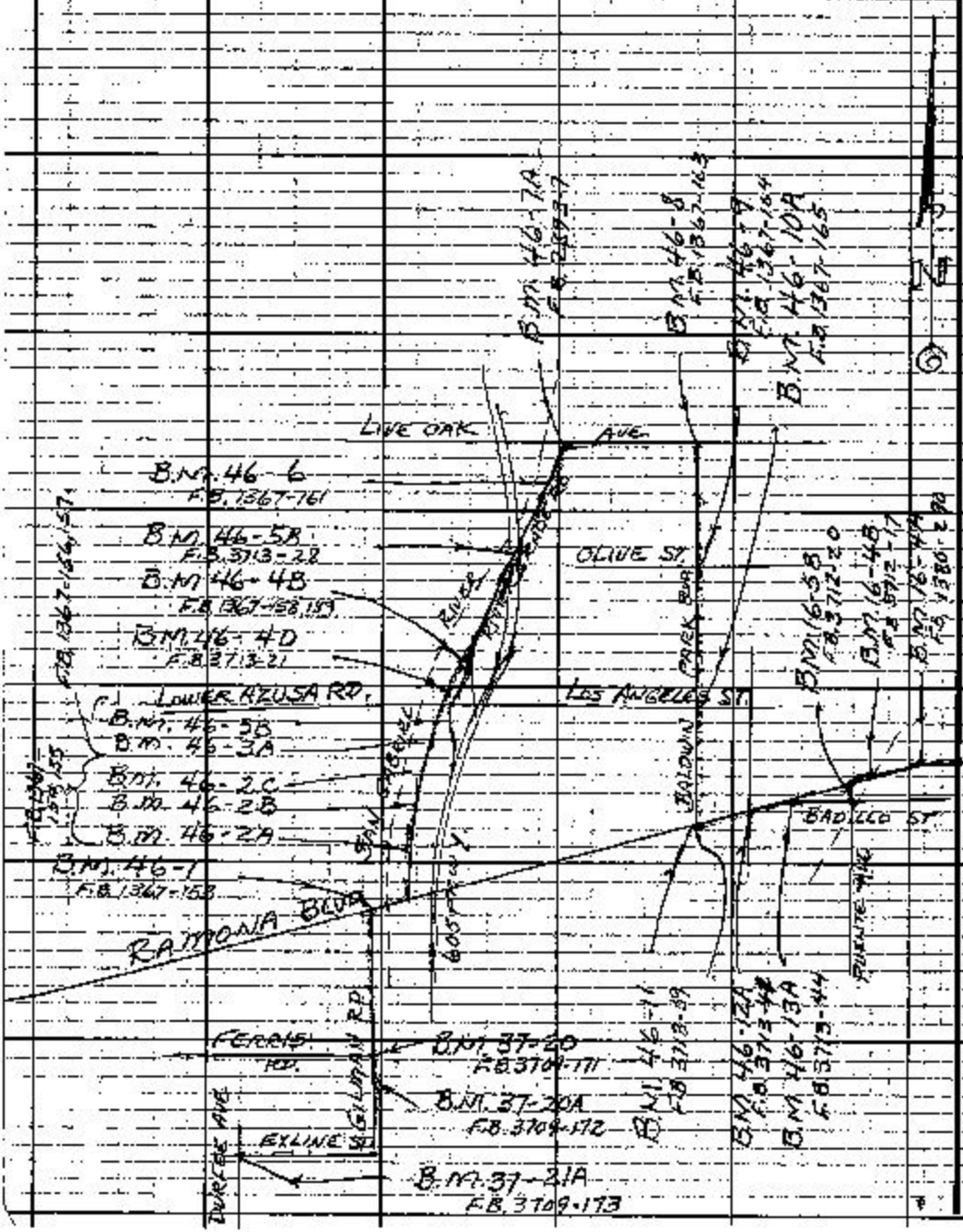
76F309S CE#310 3-68

F.B. 2893 PG. 118

ROUTE SKETCH LINE NO. 46

SEPT. 1971 RELEVELING



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76P526B CE # 308 8/68

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T-72
SURVEY BY Maldonado G.E. Dreier DATE 9-16-71 WEATHER Overcast INST. NO 96716
NOTES BY T. M. PALMERI DATE OCT 20 71 TIME 9:05 ROD NO 95496
INDEXED NOTES CHKD DATE
F.B. 2893 PG. 119

STATION	BACKSIGHT Right Mic.	BACKSIGHT Left.	BACKSIGHT Stadia	FORESIGHT Right Mic.	FORESIGHT Left.	FORESIGHT Stadia	DESCRIPTION AND REMARKS From ___ To ___
	DETERMINATION OF "C"						
	NEAR ROD			FAR ROD			
1	165 142	466 5	167 163 4	165 980 ~~155 735~~	466 5	192 138 54	54 M- 4 M= 50 M=0.20 mm
2	156 525			155 735		54	54 M- 4 M= 50 M=0.20 mm
	321 667			321 715		108	
	+			0.40 mm		- 8	Curvature Corr.=0.40 mm
				-0. mm		100	
				321 675			
				321 667			
				- 0.08 mm			
			mm= "C"				
				-0.0008 mm = "C"			
				100 / 0.0800			

76P526B CE # 308 8/68

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STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
1	162	678	463 5	164 / 160 4	161	769	462 5	188 / 134 54	54 M- 4 M= 50 M=0.20 mm
2	136	362	437 5	138 / 134 4	137	303	438 5	160 / 110 54	54 M- 4 M= 50 M=0.20 mm
	299	040			299	072		108	
		032				040			
	+	0.08 mm		8	-0.	mm		-8	Curvature Corr.=0.40 mm
					299	032		100	
					-				

+ 0.0008 mm= "C"

100 / 0.0800

mm= "C"

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY G.E. DREIER DATE 9-17-71 WEATHER OVERCAST INST. NO. 96716

NOTES BY SIEMANN DATE OCT 21 '71 TIME 8:30 TO 8:40 ROD NO. 95896

INDEXED T. M. PALMERI DATE NOTES CHKD DATE

T= 76°

F.B. 2893 PG. 121

76P526B CE # 308 8/68

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NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

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STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM _____ TO _____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
1	147	458	448 5	149. 145 4	124	602	425 5	151 97 54	54 M- 4 M= 50 M=0.20 mm
2	152	357	453 5	154 150 4	175	232	476 5	202 148 54	54 M- 4 M= 50 M=0.20 mm
	299	815		8	299	834		108	
	299	794				040 mm			
	+	0.21 mm			-0.	mm		- 8	Curvature Corr.=0.40 mm
					299	794		100	
					-				

+0.002 mm= "C"

100 / 0.210

mm= "C"

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY G.E. Dreier WEATHER Overcast INST. NO. 96716

NOTES BY Maldonado DATE 9-20-71 TIME 8:45 ROD NO. 95696

INDEXED I. M. PALMERI DATE OCT 21 71 NOTES CHKD DATE

T-66°

F.B. 2893 PG. 123

78P526B CE # 308 8/68

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Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T=70°
SURVEY BY G.E. DREIER DATE 7-21-71 WEATHER OVERCAST INST. NO. 96716
NOTES BY SIEMANN TIME 8:15 TO 8:20 ROD NO. 95596
INDEXED T. M. PALMERI DATE 7-21-71 NOTES CHKD DATE
F.B. 2893 PG. 125

STATION	BACKSIGHT Right Mic.	BACKSIGHT Left.	BACKSIGHT Stadia	FORESIGHT Right Mic.	FORESIGHT Left.	FORESIGHT Stadia	DESCRIPTION AND REMARKS From ___ To ___
	DETERMINATION OF "C"						
	NEAR ROD			FAR ROD			
1	138 598	439.5	140 136 4	144 527	445.5	171 117 54	54 M- 4 M= 50 M=0.20 mm
2	145 922	446.5	147 143 4	139 965	440.5	166 112 54	54 M- 4 M= 50 M=0.20 mm
	284520			284492		108	
	284452		8	040		- 8	Curvature Corr.=0.40 mm
	+ 0.68 mm			-0. mm			
				284452		100	
				-			
	+0.007 mm= "C"						
	100 / 0.680						
				mm= "C"			

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LOS ANGELES COUNTY ENGINEER

409 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 37-20A TO BM 37-21A
BM 37-20A					157						189		BM 37-20A
1	141	539	442	5	125	32	172	542	473	5	155	34	Gilman Rd & 81.0 Ft. S 1/4 of
					169						235		Ferris Rd.
2	121	471	422	5	73	96	187	080	488	5	139	96	See F.B. 3709-172
					156	128					217	130	
3	110	743	411	5	64	92	170	745	471	5	123	94	
					169	220					188	224	Goble
4	158	627	459	5	149	18	179	532	480	5	170	18	
						238						242	
												238	
	532	380					709	899				480	
							532	380					BM 37-21A (Calif Div. of Hwys. Disk
							177	519					Exline St & Durfee Ave & Int
BM 37-21A													See F.B. 3709-173

F.B. 2883 Pg. 130

JOB NO. 0301.02

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 9-16-71

INDEXED T. M. PALMERI DATE

WEATHER Overcast INST. NO. 967

TIME 10:05 to 10:30 ROD NO. 8-11

NOTES CHKD BLANCHARD DATE

T-76°

76P528B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY G.E. DREIER DATE 9-22-76 WEATHER OVERCAST INST. NO. 76716

NOTES BY SIEMANN TIME 8:35 to 8:45 ROD NO. 76656

INDEXED J. M. PALMERI DATE OCT 21 76 NOTES CHKD DATE

T: 76°

F.B. 2893 PG. 127

STATION	BACKSIGHT Right Mic.	BACKSIGHT Left.	BACKSIGHT Stadia	FORESIGHT Right Mic.	FORESIGHT Left.	FORESIGHT Stadia	DESCRIPTION AND REMARKS From ____ To ____
	DETERMINATION OF "C"						
	NEAR ROD			FAR ROD			
1	146 952	447 5	148 144 4	197 278	498.5	224 170 54	54 M- 4 M= 50 M=0.20 mm
2	147 757	448 5	149 145 4	97 352	398 5	124 70 54	54 M- 4 M= 50 M=0.20 mm
	294 709			294 630		108	
	294 590		8	040		- 8	Curvature Corr.=0.40 mm
	+ 1.19 mm			-0. mm			
				294 590		100	
				-			
	+0.012 mm= "C"						
	100/ 1.19						
						mm= "C"	

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM BM 37-21A TO BM 37-20A
BM37-21A				225				178	BM 37-21A (St. of Cal. Div. of Hwys Disk)
1	185	488	486 5	145 80	138	658	439 5	98 80	Exline St. & Durfee Ave. & Int
				223				166	See F.B. 3709-173
2	190	440	491 5	157 66	133	013	434 5	100 66	
				223 146				164 146	
3	182	958	483 5	141 82	123	861	424 5	82 82	A-Goble
				171 228				157 228	
4	166	730	467 5	161 10	152	643	453 5	147 10	
				238				238	
								238	
					548	175		476	BM 37-20A
	725	616							Gilman Rd. & 81.0 Ft. S'ly. of
	548	175							Ferris Rd.
BM37-20A	+177	441							See F.B. 3709-172

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY G. E. Drier DATE 9-16-71 WEATHER Overcast INST. NO. 96716

NOTES BY Maldonado DATE OCT 21 '71 TIME 10:30 to 10:45 ROD NO. 95196

INDEXED T. M. PALMERI DATE NOV 9 '71 NOTES CHKD BLANCHARD DATE NOV 9 '71

T-76°

F.B. 2893 PG. 129

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

409 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 37-20A TO BM 37-21A
BM 37-20A					157						189		BM 37-20A
1	141	539	442	5	125	32	172	542	473	5	155	34	Gilman Rd & 81.0 Ft. S 1/4 of
					169						235		Ferris Rd.
2	121	471	422	5	73	96	187	080	488	5	139	96	See F.B. 3709-172
					156	128					217	130	
3	110	743	411	5	64	92	170	745	471	5	123	94	
					169	220					188	224	Goble
4	158	627	459	5	149	18	179	532	480	5	170	18	
						238						242	
												238	
	532	380					709	899				480	
							532	380					BM 37-21A (Calif Div. of Hwys. Disk
							177	519					Exline St & Durfee Ave & Int
BM 37-21A													See F.B. 3709-173

F.B. 2883 Pg. 130

JOB NO. 0301.02

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 9-16-71

INDEXED T. M. PALMERI DATE

WEATHER Overcast INST. NO. 967

TIME 10:05 to 10:30 ROD NO. 8-11

NOTES CHKD BLANCHARD DATE

T-76°

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 37-20A TO BM 37-20
BM 37-20A									BM 37-20A, Gilman Rd. & 81.0 Ft. S'ly of Ferris Rd.
				179				199	
1	173	040	474 5	167 12	192	587	493 5	185 14	See 3709-172
					173	040		12	π-Siemann
					-19	547		26	
									BM 37-20
BM 37-20									Gilman Rd. & Ferris Rd. & Int.
									See F.B. 3709-171

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY G.E. Dreier DATE 9-16-71 WEATHER Overcast INST. NO. 96716

NOTES BY Maldonado DATE 9-16-71 TIME 10:45 to 10:50 ROD NO. 93796

INDEXED T. M. PALMERI DATE 11 21 71 NOTES CHKD BLANCHARD DATE

T-76°

F.B. 2893 PG. 131

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

408 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INX, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 37-20 TO BM 37-20A
BM 37-20													BM 37-20
					187						168		Gilman Rd. & Ferris Rd. & to
1	181	059	482	5	175	12	161	497	462	5	154	14	See F.B. 3709-171
	161	497										12	See F.B. 3709-171
	19	562										26	
													K. Siemann
BM 37-20A													BM 37-20A
													Gilman Rd & 860 S'ly. of
													Ferris Rd.
													See F.B. 3709-172

F.B. 2823 PG. 132

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Drever NOTES Maldonado 9-16-71

INDEXED T. M. PALMERI DATE

WEATHER Overcast INST. NO. 96

TIME 10:00 to 10:05 ROD NO. 95

NOTES CHKD. BLANCHARD DATE

T-74°

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY Maldonado G.E. Dreier DATE 9-16-71 WEATHER overcast INST. NO. 96716

NOTES BY T. M. PALMERI DATE 10 21 71 TIME 10:45 to 11:25 ROD NO. 95 & 96

INDEXED NOTES CHKD BLANCHARD DATE NOV 8 71

T-76°

F.B. 2893 PG. 133

STATION	BACKSIGHT RIGHT	MIC.	BACKSIGHT LEFT	MIC.	STADIA	FORESIGHT RIGHT	MIC.	FORESIGHT LEFT	MIC.	STADIA	DESCRIPTION AND REMARKS
											FROM BM 37-20 TO BM 46-1
BM 37-20					296 98					169	BM 37-20
1	247	467	548	5	198 ~~108~~	119	200	420	5	69 100	Gilman Rd. & Ferris Rd. & Int.
										301,	See F.B. 3709-171
2	174	911	475	5	212 136 76	301	327	602	5	65½ 72	
					147 ~~184~~ 174					161 172	
3	147	501	448	5	97 100	110	370	411	5	59 102	T-Siemann
					202 274					192 274	
4	152	718	453	5	102 100	143	593	444	5	94 98	
					250 374					106 372	
5	200	339	501	5	150 100	56	579	357	5	6 100	
					290, 474					92 472	
6	290	559	591	5	~~268~~ 254 72	57	570	358	5	22 70	
					203 546					174 542	
7	186	663	487	5	169 34	155	869	456	5	136 38	
					580 ✓					580 ✓	
										580	
										1160 ✓	
	1400	158 ✓				94~~4~~	508 ✓				
	94~~4~~	508									
	45~~4~~ 5	650 ✓									
BM. 46-1											BM 46-1
											Gilman Rd. & Ramona
											See F.B 1367-153

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 46-1 TO BM 37-20
BM 46-1					151						286		BM 46-1
1	116	601	417	5	81	70	250	642	551	5	214	72	Ramona Blvd & Gilman Rd.
					68						283		See F.B. 1367-153
2	34	142	335	5	0	68	250	479	551	5	217	66	
					165	138					230	138	
3	116	870	417	5	67	98	182	190	483	5	134	96	
	175	153			230	236					269	234	K-Siemann
4	~~182~~	~~190~~	476	5	120	110	215	001	516	5	161	108	
					182	346					154	342	
5	153	611	454	5	119	68	118	001	419	5	82	72	
					266	414					261	414	
6	266	579	567	5	212½	108	207	179	508	5	153	108	
					164	522					260	522	
7	135	238	436	5	106	58	230	288	531	5	200	60	
						580						582	
												580	
	998	194					1453	780				1162	
							998	194					BM 37-20
BM 37-20							1457	586					Gilman Rd. & Ferris Rd. & Int
													See F.B. 3709-171

T - 72°

WEATHER Overcast INST. NO. 967

TIME 9:25 to 10:00 ROD NO. 968

NOTES CHKD. BLANCHARD DATE 4/1 87

JOB NO. 030102

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Drake NOTES Maldonado 9-16-71

INDEXED T. M. PALMERI DATE

F.B. 2893 PG. 134

PLEASE RETURN TO.
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													FROM BM 46-1 TO BM 46-2A
BM 46-1													BM 46-1
1	232	668	533	5	276 188	88	101	646	402	5	146 56	90	RAMONA BLVD & GILMAN RD
													SEE F.B. 1367-153
2	168	122	469	5	305 131	74	138	267	439	5	165 101	74	
						162						164	
3	26	720	327	5	34 18	16	296	307	597	5	302 290	12	π MALDON ADD
						78						176	
4	45	090	346	5	61 29	32	113	539	414	5	130 96	34	
						210						210	
BM 46-2A												210	BM 46-2A
	472	600					649	759				420	RIVER GRADE RD & TOWER # 110.5
							472	600					SEE F.B. 1367-155
							-177	159					

JOB NO. 030102 SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY G. E. DAVIS

NOTES BY G. E. DAVIS DATE 8-16-71

WEATHER OVER CAST

TIME 11:25 TO 11:50

INST. NO. 96716

ROD NO. 95192

CHECKED T.M. PALMERI DATE 8-21-71

NOTES CHKD. BLANCHARD DATE 10-8-71

T-176

F.B. 2893 PG. 135

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM-46-2A TO BM 46-1
BM 46-2A													BM 46-2A
1	112	012	413	5	129 / 35	34	11	647	312	5	27½ / 11½	32	RIVERGRADE RD & TOWER # 110-5
													SEE F.B. 1367-155
2	282	177	583	5	288 / 276	12	39	217	340	5	46 / 32	14	
						46	-					46	
3	99	308	400	5	147 / 51	96	178	637	479	5	226 / 130	96	⊼ MALDONADO
						142						142	
4	151	049	452	5	183 / 119	64	237	947	538	5	269 / 205	64	
						206						206	
BM 46-1												206	BM 46-1
	644	546					467	448				4 12	RAMONA BLVD & GILMAN RD
	467	448											SEE F.B. 1367-153
	177	098											

T. 72

F.B. 2893 PG. 136

JOB NO. 0301.02

SURVEY OF L.A. CO PRECISE LEVEL NET

SURVEY BY DREIER NOTES GOBLE 9-21-7

INDEXED T. M. PALMERI DATE

WEATHER OVERCAST INST. NO. 96716

TIME 10:25 - 10:55 ROD NO. 75291

NOTES CHKD BLANCHARD DATE 8-11

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 46-2A TO BM 46-2B
BM 46-2A													BM 46-2A
1	166	850	467	5	212 / 120	92	111	391	412	5	155 / 67	88	RAMONA BLVD. & RIVER GRADE RD TOWER # 110-5
+													SEE F.B. 1367-155
2	166	652	467	5	203 / 129	74	67	517	368	5	106 / 28	78	
						166						166	✓ MALDONADO
												66	
BM 46-2B	333	502					178	908				332	BM 46-2B
	178	908											RIVERGRADE RD. TOWER # 110-4
+	154	594											SEE F.B. 1367-155

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY G. E. DREIER

NOTES BY G. O. BLE DATE 9-16-71

INDEXED T. M. PALMERI DATE 9-21-71

WEATHER OVERCAST

TIME 1150-1205

NOTES CHKD BLANCHARD DATE 8-71

INST. NO. 96766

ROD NO. 95896

F.B. 2893 PG. 137

T-76

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 46-2B TO BM 46-2A
BM 46-2B													BM-46-2B
1	83	892	384	5	131 35	96	169	518	470	5	216 122	94	RIVERGRADE RD TOWER #110-4
													SEE F.B 1367-155
2	96	057	397	5	136 56	80	165	031	466	5	205 125	80	
						176						174	T MALDONADO
												176	
BM 46-2A	179	949					334	549				350	BM 46-2A
							179	949					RIVERGRADE RD TOWER #110-4
							154	600					SEE F.B 1367-155

T-70

WEATHER OVER CAST INST. NO 96716

TIME 10.05-10.25 ROD NO 95291

NOTES CHKD BLANCHARD DATE 8-74

JOB NO. 0301.6L

SURVEY OF L.A. CO. PARCISE LEVEL NET

SURVEY BY DRETER NOTES COBLE 9-21-71

INDEXED T. M. PALMERI DATE

F.B. 2893 PG. 138

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK. WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MID.	LEFT.		STADIA		RIGHT	MID.	LEFT.		STADIA		FROM BM 46-2B TO BM 46-2C
BM 46-2B													BM 46-2B
1	146	568	447	5	182 / 110	72	131	712	432	5	146 / 96	70	RIVERGRADE RD & TOWER #110-4
													SEE F.B 1367-155
2	194	353	495	5	222 / 166	56	123	441	424	5	150 / 96	54	
						128						124	
3	170	211	471	5	191 / 149	42	113	168	444	5	136 / 90	46	π MALDONADO
						170						170	
BM 46-2C												170	BM 46-2C
	521	132					368	321				340	RIVER GRADE RD & TOWER #110-3
	368	321											SEE F.B 1367-155
	+ 1528 / 4	11											

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET 7=80

SURVEY BY G. E. DREIER

NOTES BY GOBLE DATE 9-16-71

INDEXED T. M. PALMERI DATE OCT 21 71

WEATHER HAZY OVERCAST

TIME 1:15 TO 1:30

NOTES CHKD BLANCHARD DATE

INST. NO. 96766

ROD NO. 95296

F.B. 2893 PG 139

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 46-2C TO BM 46-2B
BM 46-2C													BM 46-2C
1	90	579	391	5	137 43	94	205	133	506	5	251 158	94	RIVERGRADE RD. & TOWER #110-3
													SEE F.B 1367-155
2	123	780	424	5	160 86	74	152	071	453	5	189 165	74	
						168						168	✓ π MALDONADO
												168	
BM 46-2B	214	359					357	204				336	✓ BM 46-2B
							214	359					RIVERGRADE RD & TOWER #110-3
							142	845					SEE F.B 1367-155

T-70

WEATHER OVERCAST INST. NO. 9674

TIME 9:50 - 10:05 ROD NO. 95896

NOTES CHKD BLANCHARD DATE 8-71

F.B. 2893 PG. 140 JOB NO. 0301.02

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES GOBLE 9-21-71

INDEXED T. M. PALMERI DATE

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 46-2C TO BM 46-3A
BM 46-2C													BM 46-2C
1	175	885	476	5	206 / 144	62	139	370	440	5	168 / 110	58	RIVER GRADE RD. & TOWER # 110-3
													SEE F.B 1367-155
2	159	510	460	5	140 / 128	62	77	102	378	5	110 / 44	66	
						124						124	
3	155	783	456	5	117 / 133	44	100	517	401	5	122 / 78	44	⊼ MALDONADO
						168						168	
BM 46-3A												168	BM 46-3A
	491	178					316	989				336	RIVER GRADE RD & TOWER # 110-2
	316	989											SEE F.B. 1367-157
	174	189											

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY G. E. DREIER

NOTES BY GOBLE DATE 9-16-71

INDEXED T. M. PALMERI DATE 10 21 71

WEATHER OVERCAST WIZE

TIME 1:30 TO 1:45

NOTES CHKD: BLANCHARD DATE NOV 8 71

INST. NO. 96706

ROD NO. 95896

F.B. 2893 PG. 141

T-80

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 46-3A TO BM 46-2C
BM 46-3A													BM 46-3A
1	96	222	397	5	144 / 48	96	210	921	511	5	259 / 161	98	RIVERGRADE RD & TOWER # 110-2
													SEE F.B 1367-157
2	117	173	418	5	153 / 81	72	176	779	477	5	211 / 141	70	
						168						168	T MALDONADO
												168	
BM 46-2C	213	395					287	760				336	BM 46-2C
							213	395					RIVERGRADE RD. & TOWER # 110-3
							174	305					SEE F.B 1367-155

T-70

WEATHER OVERCAST INST. NO. 96716

TIME 940-950 ROD NO. 95695

NOTES CHKD. BLANCHARD DATE 4 X 70

F.B. 2893 PG. 142 JOB NO. 0301.02

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES GOBLE 9-21-71

INDEXED T. M. PALMERI DATE

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MID.	LEFT.		STADIA		RIGHT.	MID.	LEFT.		STADIA		FROM BM 46-3A TO BM 46-3B
BM 46-3A													BM 46-3A
1	166	802	467	5	197 / 135	62	131	820	432	5	162 / 108	62	RIVERGRADE RD. & TOWER # 110-2
													SEE F.B. 1367-157
2	169	268	470	5	200 / 138	62	136	772	437	5	166 / 106	60	
						24						122	
3	197	923	498	5	220 / 174	46	55	514	354	5	78 / 32	46	⊼ MALDON ADD
						170						168	
BM 46-3B												170	BM 46-3B
	533	993					324	106				338	RIVERGRADE RD. & TOWER # 110-1
	324	106											SEE F.B. 1367-157
	209	887											

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY G. E. DREIER

NOTES BY COBLE DATE 9-16-71

INDEXED T. M. PALMERI DATE OCT 21 71

WEATHER OVERCAST 4 FEET

TIME 1:45 TO 1:55

NOTES CHKD. BLANCHARD DATE NOV 8 71

INST. NO. 96714

ROD NO. 95 & 96

T-82

F.B. 2893 PG 143

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 46-3B TO BM 46-3A
BM 46-3B													BM 46-3B
1	10	165	311	5	55 10	90	174	253	475	5	217 131	86	RIVER GRADE RD & TOWER #110-1
													SEE F.B. 1367-157
2	147	363	440	5	181 163	68	193	230	494	5	234 155	76	
						158						162	⊼ MALDONADO
												158	
BM 46-3A	157	528					367	483				326	BM 46-3A
							157	528					RIVER GRADE RD. & TOWER #110-2
							209	955					SEE F.B 1367-157

T-70

WEATHER OVER CAST INST. NO. 96714

TIME 9:35-940 ROD NO. 25896

NOTES CHKD BLANCHARD DATE NOV 871

P.B. 2893 PG. 144 JOB NO. 0301.02

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES G-BLE 9-21-71

INDEXED T. M. PALMERI DATE

PLEASE RETURN TO.

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 46-3B TO B.M. 46-4D
M.46-3B													B.M. 46-3B
1	134	075	435	5	164 / 104	60	194	535	495	5	224 / 164	60	SO. CAL ED. CO. R/W IN TOWER # 110-1
													SEE F.B. 1367-157
2	260	463	561	5	292 / 228	64	115	353	416	5	146 / 84	62	
						124						122	π = GOBLE
3	227	167	528	5	227 / 227	60	161	721	462	5	192 / 130	62	
						184						184	
M.46-												184	B.M. 46-4D
	621	705					471	609				368	SO. CAL ED. CO. R/W N. OF LOWER ALGA ~~GIVE BAR~~
	471	609											TOWER # 109-4
	+150	096											SEE F.B. 3713-25

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T: 80°

SURVEY BY G.E. DREIER

NOTES BY SIEMANN DATE 9-16-71 WEATHER OVERCAST INST. NO. 96716

INDEXED T. M. PALMERI DATE OCT 21 '71 TIME 2:00 TO 2:15 RDD NO. 95896

NOTES CHKD BLANCHARD DATE JAN 8 '71

F.B. 2893 PG. 145

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 46-4D TO B.M. 46-3B
B.M. 46-4D													B.M. 46-4D
1	181	131	482	5	234 128	106	282	095	583	5	282 229	106	S.O. CAL. ED. CO. R/W N. OF ~~[illegible]~~ LOWER HZG.
													TOWER # 109-4
2	28	491	329	5	166 128	76	106	612	407	5	144 68	76	SEE F.B. 3713-2
						182						182	
3	151	752	452	5	155 147	8	122	808	423	5	126 118	8	π = GOBLE
						190						190	
B.M. 46-3B												190	B.M. 46-3B
	361	374					511	515				380	S.C.E. TOWER # 110-1
							361	374					SEE F.B. 1367-156, 157
							150	141					

F.B. 2893 PG. 146 JOB NO. 0301.02

SURVEY OF L.A.C.D. PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 9-21-71

INDEXED T. M. PALMERI DATE

WEATHER OVERCAST INST. NO. 967

TIME 9:05 - 9:25 ROD NO. 9509

NOTES CHKD BLANCHARD DATE 10-11

T = 70°

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET TE 82°

SURVEY BY G.E. DREIER WEATHER OVERCAST INST. NO. 36716

NOTES BY SIEMANN DATE 9-16-71 TIME 2:15 TO 2:30 ROD NO. 95696

INDEXED T. M. PALMERI DATE 9 21 71 NOTES CHKD. BLANCHARD DATE 8-71

F.B. 2893 PG 147

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 46-4D TO BM. 46-4B
M-46-4D													B.M. 46-4D
1	126	455	427	5	148 104	44	154	022	455	5	173 133	42	SO. CAL. ED. CO. TOWER # 107-4 N. OF
													~~[illegible]~~ LOWER AZUSA RD.
2	162	668	463	5	173 131	62	133	218	434	5	165 101	64	SEE F.B. 3713-~~23~~ 21
						106						106	
3	161	867	462	5	183 139	44	9	535	310	5	130 9	42	π = GOBLE
						150						148	
M-46-4B												150	B.M. 46-4B
	450	990					296	775				298	SO. CAL. ED. CO. TOWER # 109-3
	296	775											SEE F.B. 1367-159, 158
	154	215											

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 46-4B TO B.M. 46-4D
BM. 46-4B													BM. 46 4B
1	63	332	364	5	94 32	62	186	382	487	5	216 156	60	SO. CAL ED. CO. TOWER #109-3
													SEE F.B. 1367-159, 158
2	114	360	415	5	149 79	70	180	102	481	5	216 144	72	
						132						132	
3	186	515	487	5	195 177	18	152	100	453	5	161 143	18	π = GOBLE
						150						150	
B.M. 46-4D												150	B.M. 46-4D
	364	207					518	584				300	S.C.E. TOWER N. OF LOWER AZUSA RD
							364	207					SEE F.B. 3713-24
							154	377					

T = 70°

WEATHER OVERCAST INST. NO. 96716

TIME 8:55 TO ROD NO. 95591

NOTES CHKD BLANCHARD DATE 8-11

F.B. 2893 PG. 48

JOB NO. 0301-02

SURVEY OF B.A.CO. PRECISE LEVEL NET

SURVEY BY BREIGER NOTES SIEMANN 9-21-71

INDEXED L. M. PALMERI DATE

76P526B CE # 308 8/68

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
405 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY S.E. DREIER
NOTES BY S.E. DREIER DATE 9-18-71
INDEXED T. M. PALMERI DATE 9-21-71
NOTES CHKD DATE
WEATHER CLEAR TIME 2:30-7:00 INST. NO. 96376
BENCHMARK ROD NO. 8311
F.B. 2895 PG. 149

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													FROM B.M. 46-4B TO B.M. 46-5B
B.M. 46-4B													B.M. 46-4B
1	194	658	495	5	228 160	68	105	247	406	5	135 75	60	SO. CAL. ED. CO. TOWER # 109-3
													SEE F.B. 1367-159, 158
2	200	872	501	5	230 170	60	104	983	406	5	138 70	68	
						128						128	
3	210	902	511	5	241 179	62	127	563	428	5	159 95	64	T = GOBLE
						190						192	
4	259	312	560	5	291 227	64	116	360	417	5	145 87	58	
					156	254					139	260	
5	144	005	445	5	132	24	124	468	425	5	109	30	
						278						280	
6 ~~M.46-5B~~	159	042	460	5	175 143	32	167	321	468	5	181 153	28	
						310						308	
M.46-5B												310	B.M. 46-5B
	168	791					745	942				618	RIVERGRADE RD. & 605 FRWY
	745	942											SEE F.B. 3713-78
+	422	849											

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 46-5B TO B.M. 46-4B
B.M. 46-5B													B.M. 46-5B
1	131	070	432	5	191 71	120	270	880	571	5	1270 215	110	RIVER GRADE RD. & 605 FRWY.
													SEE F.B. 3713-28
2	147	673	448	5	189 105	84	266	447	567	5	1266 224	82	
						204						194	
3	82	250	383	5	113 51	62	186	377	487	5	221 151	70	⊼ = GOBLE
						266						264	
4	118	295	419	5	137 99	38	178	270	479	5	196 158	40	
						304						204	
B.M. 46-4B												304	B.M. 46-4B
	478 9	288					901	974				608	S.C.E. CO. TOWER # 109-3
							478	288					SEE F.B. 1367-159
							423 2	686					

T = 70°

WEATHER OVERCAST INST. NO. 96716

TIME 8:25 TO 8:50 ROD NO. 96729

NOTES CHKD BLANCHARD DATE 8-11

F.B. 2892 PG. 150

JOB NO. 0301.02

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 9-21-71

INDEXED T. M. PALMERI DATE

70P526B CE # 308 8/68

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM B.M. 46-5B TO B.M. 46-6
M. 46-5B													B.M. 46-5B
1	245	098	546	5	285 / 204	80	98	353	399	5	138 / 58	80	RIVERGRADE RD. & 605 FRWY.
													SEE F.B. 3713-27
2	199	303	500	5	240 / 158	82	110	092	411	5	150 / 70	80	
						162						160	
3	185	678	486	5	227 / 143	84	75	350	376	5	112 / 38	74	
						246						234	π = GOBLE
4	243	292	544	5	278 / 208	70	35	549	336	5	176 / 235	82	
						316						316	
5	192	072	493	5	228 / 156	72	100	132	401	5	136 / 64	72	
						388						388	
6	213	841	514	5	256 / 176	74	95	772	396	5	132 / 58	74	
						462						462	
7	178	322	479	5	197 / 157	38	102	152	403	5	121 / 83	38	
						500 ✓						500 ✓	
M. 46-6												500	B.M. 46-6
	1457	606 ✓					617	400 ✓				1000	RIVERGRADE RD. & P.I. S. OF LIVE
	617	400											OAK AVE. SEE F.B. 1367-161
	+840	206 ✓											

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T=76°
SURVEY BY G.E. DREIER
NOTES BY STEMANN DATE 9-17-71
INDEXED T. M. PALMERI DATE OCT 21 71
WEATHER OVERCAST
TIME 9:10 TO 9:40
NOTES CHKD BLANCHARD DATE OCT 8 71
INST. NO. 96716
ROD NO. 55496
F.B. 2893 PG. 151

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

INST. NO. 96176 ROD NO. 95-5-15 DATE 5-71

WEATHER T. WIND T = 84°

TIME 2:46 PM NOTES CHKD BLANCHARD

JOB NO 0301.02 NOTES SIEGMAN 9-20-71

SURVEY OF L.A.CO. PRECISE LEVEL NET

SURVEY BY DREICK

INDEXED L. M. PALMERI DATE

F.B. 2893 PG. 152

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 46-6 TO B.M. 46-5B
B.M. 46-6													B.M. 46-6
1	103	515	404	5	135 71	64	212	685	513	5	245 179	66	RIVERGRADE RD. 0.25 MI. S.W. OF
													LIVE OAK AVE.
2	94	670	395	5	123 65	58	187	917	488	5	219 155	64	SEE F.B. 1367-161
						122						130	
3	115	357	416	5	154 86	58	187	808	488	5	212 162	50	
						180						180	
4	78	638	379	5	109 47	62	218	898	519	5	250 186	64	
						242						244	
5	54	043	355	5	85 23	62	211	370	512	5	240 182	58	T = 60°BLE
						304						302	
6	123	707	424	5	154 92	62	178	198	479	5	209 147	62	
						366						364	
7	126	928	427	5	157 95	62	197	695	498	5	226 168	58	
						428						422	
8	106	055	407	5	137 75	62	222	141	523	5	256 188	68	
						490						490	
9	152	185	453	5	191 145	14	178	072	479	5	185 171	14	
						504						504	
B.M. 46-5B												504	B.M. 46-5B
	955	098					794	784				008	RIVER GRADE RD. & 605 F.R.W.S.
							955	098					SEE F.B. 3713-28
							839	686					

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
409 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MID.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MID.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 46-6 TO B.M. 46-5B
M.46-6													B.M. 46-6
1	97	625	398	5	132 62	70	217	631	518	5	182	70	RIVERGRADE RD. & PL. S. OF LIVE OAK AVE
													SEE F.B.
2	98	615	393	5	127 57	70	190	506	491	5	155	70	
						140						140	
3	100	543	401	5	135 65	70	225	222	536	5	199	72	X = GOBLE
						210						212	
4	54	318	355	5	88 20	68	241	557	542	5	207	68	RERUN
						278						280	
5	108	542	409	5	140 76	64	177	342	478	5	208 146	62	
						342						342	
6	127	832	428	5	161 93	68	185	405	486	5	218 152	66	
						410						408	
7	94	948	395	5	125 63	62	203	372	504	5	233 171	64	
						472						472	
8	122	725	423	5	136 108	28	187	820	488	5	202 172	30	
						500						502	
												500	
M.46-5B													B.M. 46-5B
	798	648					1638	856				1002	RIVERGRADE RD. & 605 FR'WY.
							798	648					SEE F.B. 3713-28
							840	208					

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY G.E. DEEGE — DATE 9-22-71 — WEATHER HAZY SUN — TEMP. 76°

NOTES BY SUEMASU — TIME 8:45-10:30 — INST. NO. 95716

INDEXED T. M. PALMERI — DATE MAY 21 71 — NOTES CHKD. BLANCHARD — DATE MAY 8 71 — ROD NO. 95896

F.B. 2893 PG. 153

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T = 76°

F.B. 2893 PG 155

SURVEY BY G.E. DREIER WEATHER OVERCAST INST. NO. 96786

NOTES BY SIEMANN DATE 9-17-71 TIME 9:50 TO 10:10 ROD NO. 95892

INDEXED T. M. PALMERI DATE [illegible] 21 71 NOTES CHKD. BLANCHARD DATE [illegible] 8 71

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 46-6 TO B.M. 46-7A
B.M. 46-6													B.M. 46-6
1	226	088	527	5	265 187	78	73	893	374	5	112 34	78	RIVERGRADE RD. & P.I. S. OF LIVE
													OAK AVE. SEE F.B. 1367-161
2	208	840	509	5	244 172	72	48	048	349	5	84 12	72	
						150						150	
3	290	752	591	5	306 274	32	18	269	319	5	33 3	30	π = MALDONADO
						182						180	
4	206	167	507	5	220 192	28	78	374	379	5	90 66	24	
						210						204	
M 46-7A												210	B.M. 46-7A
	931	847					218	584				414	RIVERGRADE RD. & LIVE OAK AVE
	218	584											SEE F.B. 2893-7
	+713	263											

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 46-7A TO B.M. 46-6
B.M. 46-7A													B.M. 46-7A
1	77	773	378	5	71 63	28	208	813	509	5	223 193	30	RIVERGRADE RD. & LIVE OAK AVE.
													SEE F.B. 2893-7
2	5	319	306	5	226 5	34	278	870	579	5	296 260	36	
						62						66	
3	83	281	384	5	111 55	56	209	372	510	5	237 181	56	
						118						122	T = MALDONADO
4	100	920	401	5	130 70	60	209	561	510	5	238 180	58	
						178						180	
5	117	815	418	5	132 102	30	191	869	492	5	206 176	30	
						208						210	
B.M. 46-6												208	B.M. 46-6
	325	108					1008	485				418	RIVERGRADE RD. @ P.I.S. OF
							385	108					LIVE OAK AVE.
							723	377					SEE F.B. 1367-161

F.B. 2893 PG. 156

JOB NO. 0301.02

SURVEY OF L.A.CO. PRECISE LEVEL NET

SURVEY BY DEEIER NOTES SIEMANN 9-20-71

INDEXED T. M. PALMERI DATE

WEATHER LT. WIND INST. NO. 96714

TIME 6:20-7:02:40 ROD NO. 95496

NOTES CHKD BLANCHARD DATE 8-71

T = 82°

76P526B CE # 308 8788

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 46-7A TO B.M. 46-8
M.46-7A													B.M. 46-7A
1	60	222	361	5	17 43	34	229	775	534	5	246 212	34	RIVERGRADE RD. & LIVE OAK AVE.
													SEE F.B. 2893-7
2	16	472	317	5	42 16	52	121	738	422	5	148 94	54	
						86						88	
3	192	883	493	5	211 167	50	65	664	366	5	70 40	50	
						136						138	
4	277	392	578	5	277 241	72	184	918	485	5	221 147	74	
						208						212	
5	188	979	489	5	233 143	90	106	481	407	5	152 60	92	T = MALDONADO
						298						304	
6	239	278	540	5	281 191	96	48	236	349	5	94 2	92	
						394						396	
7	190	742	491	5	232 148	84	85	368	386	5	127 43	84	
						478						480	
8	136	640	437	5	140 132	8	172	372	473	5	175 169	6	
						486						486	
9				5						5		486	
M.46-8													B.M. 46-8
	1302	608					1014	553				972	LIVE OAK AVE & BALDWIN PARK BLVD
	1014	553											SEE F.B. 1367-163
	+288	055											

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T = 76°

SURVEY BY G.E. PREIEK WEATHER OVERCAST INST. NO. 96716

NOTES BY SIEMANN DATE 9-17-74 TIME 10:15 TO 10:50 ROD NO. 95696

INDEXED T. M. PALMERI DATE OCT 21 74 NOTES CHKD. BLANCHARD DATE NOV. 8 71

F.B. 2893 PG. 157

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 46-8 TO B.M. 46-7A
B.M. 46-8													B.M. 46-8 (AZUSA F-12A)
1	155	607	456	5	188 122	66	179	482	480	5	212 142	66	LIVE OAK AVE. & BALDWIN PARK BLVD
													SEE F.B. 1367-163
2	74	678	375	5	104 44	60	212	083	513	5	242 182	60	
						126						126	
3	102	397	403	5	131 73	58	199	902	500	5	228 170	58	
						184						184	
4	127	100	428	5	158 96	62	168	497	469	5	200 136	64	T = MALDONADO
						246						248	
5	118	570	419	5	148 88	60	135	442	436	5	166 104	62	
						306						310	
6	99	328	400	5	127 71	56	264	763	565	5	292 236	56	
						362						366	
7	60	877	361	5	88 32	56	173	830	474	5	200 146	54	
						418						420	
8	242	417	543	5	260 224	36	35	186	336	5	54 16	38	
						454						458	
9	189	282	490	5	198 180	18	89	621	390	5	92 81	16	
						472						474	
B.M. 46-7A												472	B.M. 46-7A
	170	256					458	806				946	RIVERGRADE RD. & LIVE OAK AVE
							170	256					SEE F.B. 2893-7
							= 288	550					

F.B. 2893 PG. 158

JOB NO. 0301.02

SURVEY OF L.A.CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 9-20-71

INDEXED I. M. PALMERI DATE

WEATHER LT. WIND INST. NO. 96711

TIME 1:45 TO 2:20 ROD NO. 95596

NOTES CHKD. BLANCHARD DATE AW 8-71

T = 84°

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 46-7A TO B.M. 46-8
M.46-7									B.M. 46-7A
1	45	809	346 5	65 23 40	267	892	568 5	288 246 42	RIVERGRADE RD. & LIVE OAK AVE.
									SEE F.B. 2893-7
2	82	402	383 5	120 44 76	98	661	399 5	136 60 76	
				116				118	
3	95	582	596 5	1295 2272 46	37	248	338 5	59 15 44	R.E. RUN
				162				162	
4	47	542	348 5	70 24 46	117	402	468 5	140 94 46	π = MALDONADO
				208				208	
5	167	563	468 5	196 138 58	121	182	422 5	150 92 58	
				266				266	
6	181	247	482 5	212 150 62	90	949	391 5	121 59 62	
				328				328	
7	198	566	499 5	228 168 60	84	561	385 5	115 53 62	
				388				390	
8	205	232	506 5	234 176 58	130	912	431 5	160 100 60	
				446				450	
9	158	710	459 5	172 144 28	146	119	447 5	157 135 22	
				474				472	
M.46-8								474	B.M. 46-8
	1382	653			1094	926		946	LIVE OAK AVE & BALDWIN PARK BLVD.
	1094	926							SEE F.B. 1367-163
	+287	727							

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY G.E. DREIER

NOTES BY SIEMANN DATE 9-22-71

INDEXED T. M. PALMERI DATE OCT 21 71

WEATHER CLOUDY INST. NO. 96716

TIME 9:30 TO ROD NO. 95596

NOTES CHKD BLANCHARD DATE OCT 8 71

T = 76°

F.B. 2893 PG. 159

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

F.B. 2893 PG. 160 JOB NO. 0301.02

SURVEY OF LA. CO. PRECISE LEVELNET

SURVEY BY DPE/ER NOTES SIEMANN 9-22-71

INDEXED T. M. PALMERI DATE

T = 78°

WEATHER HAZY SUN INST. NO. 26716

TIME 10-2-70 11:00 ROD NO. 25338

NOTES CHKD. BLANCHARD DATE 10-2-70

STATION	BACKSIGHT RIGHT	BACK MIC.	BACK LEFT		BACK STADIA		FORESIGHT RIGHT	FORE MIC.	FORE LEFT		FORE STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 46-8 TO B.M. 46-7A
B.M. 46-8													B.M. 46-8 (A2U20 E-12A)
1	156	660	457	5	188 124	64	193	132	494	5	225 161	64	LIVE OAK AVE. & BALDWIN PARK BLVD.
													SEE F.B. 1367-163
2	87	983	388	5	117 57	60	210	877	511	5	240 186	60	
						124						124	
3	106	757	407	5	135 76	60	198	446	499	5	227 169	58	
						184						182	
4	129	056	430	5	158 100	58	167	681	468	5	195 129	56	RE RUN
						242						238	
5	120	328	421	5	148 92	56	157	946	458	5	185 129	56	T = MALDONADO
						298						294	
6	139	378	440	5	168 110	58	271	638	572	5	300 242	58	
						356						352	
7	93	361	394	5	117 69	48	226	839	527	5	255 199	54	
						404						406	
8	166	995	467	5	187 145	42	41	818	342	5	59 23	36	
						446						442	
9	243	626	544	5	257 229	28	63	734	364	5	77 47	32	
						474						474	
B.M. 46-7A												494	B.M. 46-7A
	1244	144					1532	111				948	LIVE OAK AVE. & RIVERGRADE RD.
							1244	144					SEE F.B. 2893-1
							287	967					

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY B.E. BREISE

NOTES BY STEMBELL / DATE 9-17-71

INDEXED T. M. PALMERI DATE OCT 21 71

NOTES CHKD BLANCHARD DATE JAN 8 71

WEATHER VERY EAST TEMP. 78° INST. NO. 96716

TIME 10:55 TO 11:20 ROD NO. 95896

F.B. 2893 PG. 161

STATION	BACKSIGHT RIGHT	MID.	LEFT.		STADIA	FORESIGHT RIGHT	MID.	LEFT.		STADIA	DESCRIPTION AND REMARKS
											FROM B.M. 46-8 TO B.M. 46-9
B.M. 46-8											B.M. 46-8 (AZUSA E-12A)
1	66	242	367	5	108 / 66 84	213	386	514	5	256 / 170 86	LIVE OAK AVE. & BALDWIN PARK BLVD.
											SEE F.B. 1367-163
2	79	935	380	5	164 / 54 90	216	921	517	5	260 / 172 88	
					174					174	
3	98	942	399	5	148 / 48 100	202	179	503	5	251 / 153 98	T = MALOONADO
										272	
4	89	359	390	5	132 / 46 86	220	891	521	5	263 / 172 86	
					360					358	
5	116	239	417	5	198 / 94 44	201	409	502	5	223 / 177 48	
					404					406	
B.M. 46-9										404	B.M. 46-9 (AZUSA E-12)
	450	717				1054	786			810	LIVE OAK AVE. & BALDWIN PARK
						450	717				SEE F.B. 1367-164
						604	069				

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MID.	LEFT.		STADIA		RIGHT	MID.	LEFT.		STADIA		FROM B.M. 46-9 TO B.M. 46-8
B.M. 46-9													B.M. 46-9 (AZUSA E-12)
1	214	941	515	5	245 / 183	62	100	152	401	5	131 / 69	62	BALDWIN PARK BLVD & OLIVE ST.
													SEE F.B. 1367-164
2	209	900	510	5	242 / 176	66	98	778	399	5	132 / 64	68	
						128						130	
3	186	082	487	5	220 / 152	68	123	599	424	5	134 / 92	62	
						196						192	T = MALDONADO
4	187	880	488	5	218 / 156	62	101	897	402	5	134 / 68	66	
						258						258	
5	202	126	503	5	235 / 169	66	117	207	418	5	148 / 86	62	
						324						320	
6	233	744	534	5	276 / 190	86	89	152	390	5	131 / 47	84	
						410						404	
B.M. 46-8												410	B.M. 46-8 (AZUSA E-12A)
	1834	673					630	785				814	LIVE OAK AVE & BALDWIN PARK BLVD.
	630	785											SEE F.B. 1367-163
	403	888											
	6												

T = 84°

WEATHER HOT, SMOGGY INST. NO. 96716

TIME 1:15 TO 1:45 ROD NO. 95[illegible]

NOTES CHKD BLANCHARD DATE 8-71

P.B. 2893 PG. 162 JOB NO. 0301-02

SURVEY OF LA CO PRECISE LEVEL NET

SURVEY BY [illegible] NOTES SIEMANN 9-20-71

INDEXED T. M. PALMERI DATE

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 46-9 TO BM 46-10A
BM 46-9					118						270		BM 46-9 (AZUSA E-12)
1	72	970	373	5	26	92	225	001	526	5	180	90	Baldwin Park Blvd & Olive St
					155						277		See F.B. 1367-164 near & Int
2	106	222	407	5	57	98	228	341	529	5	179	98	
					109	190					263	188	
3	59	521	360	5	9	102	212	736	513	5	161	102	
					161	290					277	290	R. Siemann
4	107	999	408	5	63	88	233	190	534	5	189	88	
					165	378					158	378	
5	149	020	450	5	133	32	142	492	443	5	126	32	
						410 ✓						410 ✓	
												410	
	495	732 ✓					1041	810 ✓				820 ✓	
							495	732					
							546	078 ✓					
BM 46-10A													BM 46-10A
													Balwin Park Blvd & Los Angeles St
													See F.B. 1367-165 N.E. Cor.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY G. E. Dreier

NOTES BY Aldonado DATE 9-17-71

INDEXED T. M. PALMERI DATE OCT 21 '71

WEATHER overcast INST. NO. 96716

TIME 11:25 to 11:50 ROD NO. 93846

NOTES CHKD BLANCHARD DATE

T-76°

F.B. 2893 PG. 163

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

408 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 46-10A TO BM 46-9
BM 46-10A	593	33			176		349	41			155		BM 46-10A
1	166	110	467	5	156	20	144	192	445	5	133	22	Baldwin Park Blvd & Los Angeles
					204						144		St. N.E. Cor.
2	175	290	476	5	146	58	116	082	417	5	88	56	See F.B. 1367-165
					221	78					155	78	
3	191	612	492	5	161	60	126	689	427	5	97	58	
					222	138					117	136	K. Siemann
4	192	108	493	5	162	60	87	621	388	5	57	60	
					250	198					151	196	
5	219	890	520	5	188	62	122	600	423	5	93	58	
					226	260					151	254	
6	196	831	497	5	166	60	121	142	422	5	91	60	
					232	320					122	314	
7	202	289	503	5	172	60	89	931	390	5	56	66	
					195	380					185	380	
8	183	868	484	5	171	24	173	391	474	5	161	24	
						404 ✓						404 ✓	
												404	
	1527	998 ✓					981	648 ✓				808 ✓	
	981	648											
BM 46-9	+546	350 ✓											BM 46-9 (AZUSA E-12)
													Baldwin Park Blvd & Olive St
													See F.B. 1367-164 near ℄ Int.

F.B. 2893 Pg. 164

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 9-20-71

INDEXED T. M. PALMERI DATE

WEATHER Hazy Sun INST. NO. 9671

TIME 11:30 AM 12:10 ROD NO. 95-59

NOTES CHKD. BLANCHARD DATE 3-11

T-80°

70P520B CE # 308 8/08

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 46-10A TO BM 46-11
BM 46-10A					144						220		BM 46-10A
1	105	430	406	5	105½	78	192	494	493	5	154	76	Baldwin Park Blvd & Los Angeles
					162						279		St. N.E. Cor
2	114	000	415	5	66	96	231	241	532	5	183	96	See F.B. 1367-165
					134	174					202	172	
3	84	740	385	5	34	100	251	720	552	5	200	102	
					145	274					237	274	
4	100	500	401	5	100½	90	190	409	491	5	143	94	π-Siemann
					193	364					229	368	
5	170	999	472	5	149	44	219	360	510	5	189	40	
						408						408	
												408	
	576	669					1075	224				816	
							576	669					
BM 46-11							498	555					BM 46-11
													Baldwin Park Blvd & St. 14
													S. of Ramona Blvd.
													See F.B. 3713-39

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T-78°

SURVEY BY G.E. Dreier

NOTES BY Maldonado DATE 9-17-71 WEATHER Overcast INST. NO. 96716

INDEXED T. M. PALMERI DATE OCT 21 '71 TIME 1:10 to 1:35 ROD NO. 95846

NOTES CHKD BLANCHARD DATE NOV 8 '71

F.B. 2893 PG. 165

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

409 Los Angeles County Engineering Bldg.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION	BACKSIGHT Right	Mid.	Left		Stadia		FORESIGHT Right	Mid.	Left		Stadia		DESCRIPTION AND REMARKS
													From BM 46-11 to BM 46-10A
BM 46-11					237						180		BM 46-11
1	199	420	500	5	166	11	145	670	446	5	110	70	Baldwin Park Blvd. ℄ Ft. S.
					235						137		bS Ramona Blvd.
2	196	493	497	5	157	78	97	280	398	5	57	80	See FB 2713-39
					247	144					138	150	
3	218	942	519	5	189	58	109	382	410	5	80	58	
					227	204					152	208	
4	198	630	499	5	169	58	123	930	424	5	94	58	A-Siemann
					248	260					163	266	
5	214	464	515	5	180	68	132	838	433	5	101	67	
					220	328					139	328	
6	184	021	485	5	148	72	104	288	405	5	69	70	
						400						398	
												400	
	1211	970					713	388				798	BM 46-10A
BM 46-10A	713	388											Baldwin Park B
	498	582											SEE FB 1367-165

T-86°

WEATHER Hazy Sun INST. NO. 967 12

TIME 11:20 to 11:50 ROD NO. 0021 8

NOTES CHKD BLANCHARD DATE 8 71

F.B. 2893 PG. 166 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Line

SURVEY BY Precise NOTES Wheldon 9-20-71

INDEXED T. M. PALMERI DATE

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

JOB NO. 0301002 SURVEY OF L.A. CO. PRECISE LEVEL NET T=80°
SURVEYED BY G.E. Dreier DATE 9-17-71 WEATHER Overcast INST. NO. 36714
NOTES BY Mc Eldowney TIME 1:35 pm ROD NO. 95696
REDUCED E. M. PALMERI DATE OCT 21 71 NOTES CHKD. BLANCHARD DATE NOV 8 71
F.B. 2893 PG. 167

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 46-11 TO BM 46-12A
BM 46-11					290						122		BM 46-11 ft. El. So.
1	246	000	548	5	204	86	76	954	377	5	30	92	Baldwin Park Blvd. ~~Entrance~~
					279						131		of Ramona Blvd
2	232	331	533	5	185	94	85	508	386	5	39	92	See FB 3713-39
					205	180					152	184	
3	179	832	480	5	153	52	128	049	429	5	104	48	
						232						232	X-Sierman
												232	
	659	163					290	511				464	
	290	511											
	368	652											BM 46-12A
BM 46-12A													Ramona Blvd. & Maine Ave. N.E. Cor
													See FB 3713-41
						Re-Run							
BM 46-11		9-21-71		1:10 to		1:36		T=76°			overcast		BM 46-11
1	248	229	544	5	293 203	90	78	221	329	5	123 33	90	
			511		249						140		
2	210	259	509	5	174	78	99	599	400	5	58	82	
					234	168					149	172	
3	206	341	507	5	173	66	118	399	419	5	87	62	X-Sierman
						234						234	
												234	Re-Run
	664	829					296	219				468	
	296	219											
BM 46-12A	368	610											BM 46-12A

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

408 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 46-12A TO BM 46-11
BM 46-12A					138						234		BM 46-12A
1	104	595	405	5	70	68	201	240	502	5	168	66	Ramona Blvd & Maine Ave. AE Co
					149						253		See F.B. 3713-41
2	113	608	414	5	77	72	219	000	520	5	183	72	
					131	140					250	138	
3	96	143	397	5	60	70	215	649	516	5	180	70	T-Siemann
					168	70					216	208	
4	153	259	454	5	138	30	200	098	501	5	184	32	
						240						240	
												240	
	487	605					835	987				480	
BM 46-11							487	605					BM 46-11
							368	382					Baldwin Park Blvd & Ft. Ft So
													of Ramona Blvd.
													See F.B. 3713-39
							Re-Run						
		9-21-71	2:45		403:00		Hazy Sun		T-80°				
BM 46-12A					142						278		BM 46-12A
1	96	600	397	5	50	92	231	532	532	5	184	94	
					140						263		
2	105	311	406	5	70	70	222	603	523	5	181	82	T-Siemann
					139	162					249	176	
3	103	950	404	5	67	72	220	510	521	5	191	58	Re-Run
						234						234	
												234	
	305	861					674	645				468	
							305	861					
BM 46-11							368	584					BM 46-11

T-80°

WEATHER Hazy Sun INST. NO. 96712

TIME 11:00 to 11:15 RDD NO. 95896

NOTES CHKD BLANCHARD DATE NOV 8 '71

F.B. 2893 PG. 168 JOB NO. 030102

SURVEY OF LA Co Precise Level Net

SURVEY BY Dreier NOTES Maldonado 9-20-71

INDEXED T. M. PALMERI DATE

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

JOB NO. 0310102 SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY: W. Hartzell / G. E. Dorsey DATE 8-17-71 WEATHER Overcast INST. NO. 96716

NOTES BY: W. Hartzell / G. E. Dorsey TIME 2:00 to 3:15 ROD NO. 95696

INDEXED: T. M. PALMERI DATE 8-21-71 NOTES CHKD BLANCHARD DATE 8-71

T-80°

F.B. 2893 PG. 169

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													FROM BM 46-12A TO BM 46-13A
BM 46-12A					230						156		BM 46-12A
1	187	473	488	5	144	86	113	795	414	5	70	86	Ramona Blvd & Maine Ave. N.E.Cor
					251		109				154		See FB 3713-41
2	206	701	507	5	161	90	93	792	410	5	109	90	
					238	176					151	176	
3	194	275	495	5	150	88	108	865	409	5	65	86	π-Gable
						264 ✓						262 ✓	
												264	
	588	449 ✓					332	452 ✓				526 ✓	
	332	452											
	+265.997 ✓												
BM 46-13A													BM 46-13A
													Ramona Blvd & Badillo St
													See FB 3713-44

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NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 46-13A TO BM 46-12A
BM 46-					171						210		BM 46-13A
1	136	461	437	5	101	70	275	353	476	5	140	70	Ramona Blvd & Badillo St
					145						256		See F.B. 3713-44
2	112	751	413	5	79	66	222	138	523	5	188	68	
					157	136					222	138	
3	124	853	425	5	91	66	189	412	490	5	156	66	X- Goble
					156	202					200	204	
4	129	667	430	5	102	54	172	828	473	5	144	56	
						256							
	503	732					759	731				260	
							503	732				256	BM 46-12A
BM 46-12A							255	999				516	Ramona Blvd & Maine Ave
													See F.B. 3713-41 N.E. Co

F.B. 2893 PG. 170 JOB NO. 0301.02

SURVEY OF L.A.Co. Freeside Level Net

SURVEY BY Dreier NOTES Maldonado 9-20-71

INDEXED I. M. PALMERI DATE

WEATHER Hazy Sun INST. NO. 9671

TIME 10:20 to 11:00 ROD NO. 95 & 96

NOTES CHKD BLANCHARD DATE NOV 8 71

T-80°

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LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY S. E. Dreier DATE 9-20-71 WEATHER Overcast INST. NO. 8716

NOTES BY Walker-Bello TIME 8:55 to 9:20 ROD NO. 95 & 96

INDEXED T. M. PALMERI DATE OCT 21 '71 NOTES CHKD. BLANCHARD DATE

F.B. 2893 PG. 171

T-640

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 46-13A TO B.M. 16-5B
BM 46-13A					205						137		BM 46-13A
1	170	815	471	5	135	70	102	829	403	5	67	70	Ramona Blvd & Badillo St
					208						127		See F.B. 3713-14
2	167	732	468	5	126	82	86	828	387	5	45	82	
					250	152					113	157	
3	215	664	516	5	180	70	77	272	378	5	41	72	X-Gable
					236	222					153	224	
4	213	975	514	5	190	46	129	022	430	5	105	48	
						268						272	
												268	
	768	186					395	951				540	
	395	951											
BM 16-5B	372	235											BM 16-5B (080-01680)
													Badillo St & Puente Ave
													see F.B. 3712-20 N.E. Cor. of bridge
						Re-Run							
BM 46-13A		9-21-71			135			Overcast			T: 80°		
1	192	342	493	5	231 153	78	115	742	416	5	154 76	78	BM 46-13A
2	173	458	474	5	215 131	84	87	163	388	5	129 45	84	X-Gable
					249	162					125	162	Re-Run
3	217	610	518	5	185	64	93	530	394	5	61	64	
					237	226					152½	226	
4	213	598	514	5	189	48	128	108	429	5	128 2	48	
						274						274	
												274	
	797	009					424	543				548	
	424	543											
BM 16-5B	372	466											BM 16-5B

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LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM 16-5B TO BM 46-13A
BM 16-5B				124				284	BM 16-5B (F.C. 080-01680)
1	85	789	386 5	46 78	251	568	552 5	213 76	Badillo St. & Puente Ave. N.E.C.
				114				220	See F.B. 3712-20 of bridge
2	78	372	379 5	42 72	185	132	486 5	150 70	
				155 150				217 146	
3	122	820	423 5	89 66	185	427	486 5	153 64	π-Goble
				159 216				201 210	
4	140	917	441 5	121 38	178	425	479 5	155 46	
				254				256	
								254	
	427	898			800	552		510	BM 46-13A
BM 46-13A					427	898			Ramona Blvd & Badillo St.
					372	654			See F.B. 3713-44
				Re-Run					
		9-21-71		2:20 to 2:35	overcast		T-76°		
BM 16-5B				130				285	BM 16-5B
1	89	937	390 5	48 82	285	378	586 5	244 82	
x				141				221	
2	105	060	406 5	69 72	186	317	487 5	151 70	
				157 154				231 152	π-Goble
3	120	355	421 5	83 74	194	008	495 5	157 74	Re-Run
				163 228				187 226	
4	150	273	451 5	137 26	172	269	473 5	157 30	
				254				256	
								254	
	465	625			837	972		510	
BM 46-13A					465	625			BM 46-13A
					372	347			

F.B. 2893 Pg. 172

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 9-20-71

INDEXED I. M. PALMERI DATE

WEATHER Hazy Sun INST. NO. 9671

TIME 10:20 to 10:35 ROD NO. 9559

NOTES CHKD BLANCHARD DATE 10 8 71

T-80°

76P526B CE # 308 8768

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 16-5B TO BM 16-4B
BM 16-5B													BM 16-5B
1	108	230	409	5	139 77	62	75	279	376	5	106 44	62	BADILLO & PUENTE
													SEE F.B 3712-20
2	190	234	491	5	224 159	62	29	524	330	5	42 29	66	
						124						128	
3	167	043	468	5	175 159	16	127	897	428	5	133 121	12	⊼ MALDONADO
						40						140	
BM 16-4B												140	BM 16-4B
	465	507					232	700				280	RAMONA BLVD & PUENTE AVE
	232	700											SEE FB 3712-17
+	232	807											

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY G. E. DREGER

NOTES BY G. BLE DATE 9-20-76

INDEXED T. M. PALMERI DATE OCT 21 76

WEATHER HAZY JUN INST. NO. 96714

TIME 9:20 - 9:35 ROD NO. 95496

NOTES CHKD BLANCHARD DATE 11 8 76

T-70

F.B. 2893 PG. 173

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 16-4B TO BM 16-5B
BM 16-4B													BM 16-4B
1	115	122	416	5	130 115 ½	30	211	863	512	5	226 184	30	E. OF PUENTE AVE & RAMONA BLVD
													SEE F.B. 3712-17
2	62	129	363	5	95 29	66	214	692	515	5	247 181	66	
						96						96	
3	117	142	418	5	139 95	44	100	639	401	5	122 78	44	⊼ MALDONADO
						40						NO	
BM 16-5B												NO	BM 16-5B
	294	393					527	194				280	PUENTE AVE & BIG DALTON WASH NEBOR
							294	393					SEE F.B. 3712-20
							232	801					

F.B. 2893 Pg. 174

JOB NO. 0301.02

SURVEY OF L.A. CO PRECISE LEVEL NET

SURVEY BY OBRIER NOTES GOBLE 9-20-71

INDEXED I. M. PALMERI DATE

WEATHER SUNNY INST. NO. 96716

TIME 10:00-1065 ROD NO. 95292

NOTES CHKD BLANCHARD DATE 8 71

T-72

176P0288 CE.# 308 8/68

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY: C. E. DOBTER
NOTES BY: C. E. DOBTER
INDEXED: T. M. PALMERI
DATE: 9-20-71
DATE: OCT 21 '71
TIME: 9:35 TO 5:50
WEATHER: SUNNY
NOTES CHKD: BLANCHARD
DATE: NOV 2 '71
INST. NO. 96716
ROD NO. 15294
F.B. 2893 PG. 175

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 16-4B TO BM 16-4A
BM 16-4B													BM 16-4B E. OF
1	80	423	381	5	1-1-1 48	64	165	471	461	5	1-9-7 1.33	64	RAMONA BLVD & PUENTE AVE
													SEE F.B. 3712-17
2	196	941	497	5	228 1.64	64	147	062	448	5	1-7-8 1.16	62	
						128						126	T MALDONADO
												128	
3													
BM 16-4A	277	164					312	503				254	BM 16-4A
							277	164					RAMONA BLVD @ PI. E. OF PUENTE AVE
							= 35	339					SEE F.B. 1380-290
	9-21-71		1.55	T	245		RERUN		OVER	LAST		T	-80
BM 16-4B													BM 16-4B
1	79	227	380	5	1-1-3 45	68	163	968	464	5	1-9-4 1.32	62	
2	193	320	494	5	227 1.64	58	143	838	444	5	1-7-3 1.12	62	T MALDONADO RERUN
						26						124	
												126	
BM-16-4A	272	547					307	806				250	BM 16-4A
							272	547					
							= 35	259					

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LOS ANGELES COUNTY ENGINEER
405 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 16-4A TO BM 16-4B
BM 16-4A													BM 16-4A
1	145	590	446	5	172 / 114	58	176	715	472	5	205 / 147	58	RAMONA BLVD & P.T
													SEE F.B 1380-290
2	138	528	439	5	171 / 105	66	72	242	373	5	145 / 33	44	
						124						124	⊼ MALDONADO
												124	~~RAMONA BLVD & PUENTE AVE~~
BM 16-4B	284	118	/				248	957	/			48	BM 16-4B B.G DALTON WASH
	248	957											RAMONA BLVD & PUENTE AVE
Σ	35	161	/										SEE F.B 3712-17
	9-21-71	305-			RERUN			HAZY SUN	T	-80			
BM 16-4A													BM 16-4A
1	145	462	446	5	172 / 112	60	197	238	498	5	227 / 167	60	
2	178	680	479	5	210 / 146	64	91	690	392	5	123 / 59	64	⊼ MALDONADO (RERUN)
						124						124	
												124	
BM 16-4B	324	150	/				288	928	/			240	BM 16-4B
	288	918											
Σ	35	222	/										

T-70

WEATHER SUNNY TIME 9:50-10:00 NOTES CHKD. BLANCHARD DATE

INST. NO. 26046 ROD NO. 1521 DATE 8-71

F.B. 2898 PG. 176 JOB NO. 63 01.02

SURVEY OF B.A. PRECISE LEVEL NET

SURVEY BY BREICK NOTES GOGLE 9-21-71

INDEXED T. M. PALMER DATE

Notes Ck'd by	Survey of LA Co PRECISE LEVEL NET
Map No.	JN 030602 Tape Std °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes Date SEPT 1971
Date	Indexed T. M. PALMERI 10-21-71

F.B. 2893 PG 195

JOB NO 030602

LA CO PRECISE LEVEL NET

LINE NO. 43 SEPT. 1971 RELEVELING

DESCRIPTION REFERENCES

F.B. 1366 - 5 TO 16

F.B. 3711 - 223 TO 246.

DREIER
MALDONADO
GOBLE
SIEMANN
McKNIGHT

Notes: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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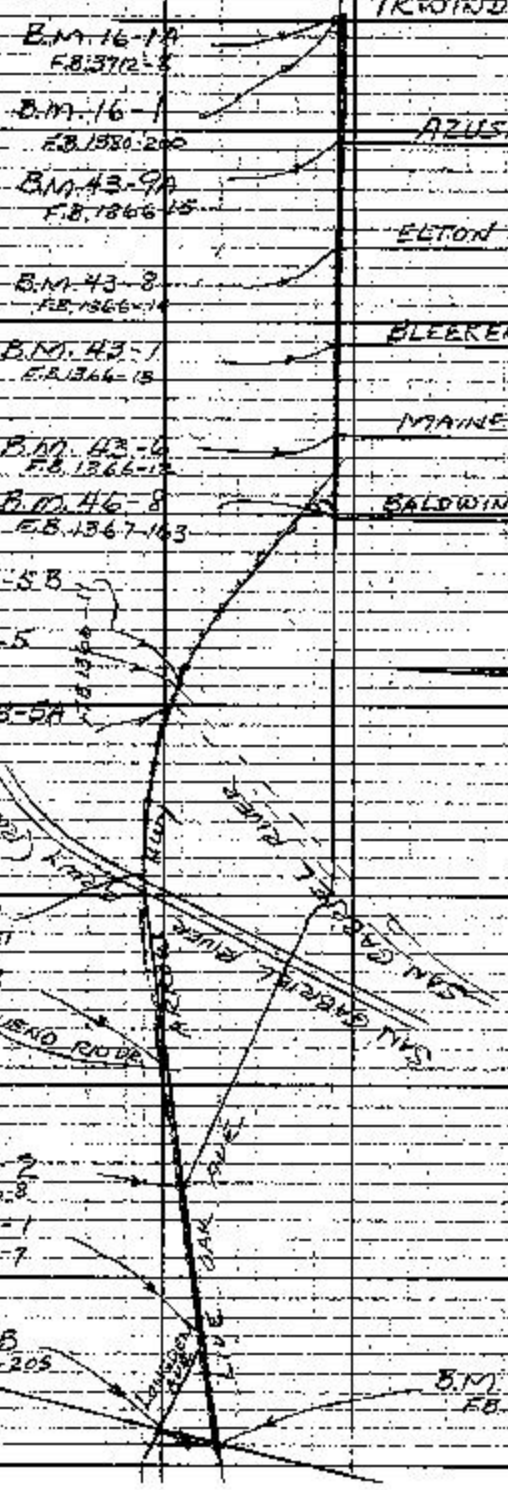
ROUTE SKETCH, LINE No. 43

F.B. 2893 PG. 186 SEPT. 1971 RELEVELING



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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G. E. Dreier
NOTES BY Maldonado DATE 9-23-71 WEATHER Hazy Sun INST. NO. 96716
INDEXED T. M. PALMERI DATE 9-21-71 TIME 1:20 ROD NO. 95896
NOTES CHKD. DATE

T-92°

F.B. 2893 PG. 187

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM _____ TO _____
									FOR DETERMINATION OF "C" ON
									9-22-71 SEE F.B 2893-127
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
1	155	003	456 5	157 153 4	199	667	500 5	226 172 54	54 M- 4 M= 50 M=0.20 mm
2	152	248	453 5	154 150 4	107	507	409 5	174 80 54	54 M- 4 M= 50 M=0.20 mm
	307	251		8	307	174		108	
	307	134				040 mm		8	
	+	117				~~-0.04~~ mm			Curvature Corr.=0.40 mm
					307	134		100	

+ 0.01~~8~~ 2 mm= "C"
100 / 1.170
100
170

mm= "C"

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MID.	LEFT.		STADIA		RIGHT	MID.	LEFT.		STADIA		FROM _____ TO _____
	DETERMINATION OF "C"												
	NEAR ROD						FAR ROD						
1	150	391	451	5	152 148	4	108	190	409	5	135 81	54	54M- 4M= 50 M=0.20 mm
2	153	517	454	5	155 151	4	196	298	497	5	223 169	54	54M- 4M= 50 M=0.20 mm
	304	408				8	304	488				108	
								0.48 mm					
	+						=0. mm					-8	Curvature Corr.=0.40 mm
							304	448				100	
							304	408					
							-	0.48					
					mm= "C"								
							-0.005 mm= "C"						
							100	0.48					

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET 71°
SURVEY BY G. E. DREIER
NOTES BY G. E. DREIER DATE 9-24-71 WEATHER HAZE INST. NO. 96716
INDEXED J. M. PALMERI DATE 9-21-71 TIME 8:30 ROD NO. 95896
NOTES CHKD. DATE

P.B. 2893 PG 189

76P526B C.E. # 308 8/66

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
408 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G.E. DREIER
NOTES BY SIEMANN DATE 9-27-71
INDEXED T. M. PALMERI DATE 9-27-71
NOTES CHKD DATE

T = 66°
WEATHER PTLY CLOUDY INST. NO 96716
TIME 8:30 TO 8:40 ROD NO 95 D96
F.B. 2893 PG 191

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
1	145	140	446 5	147 143 4	196	121	497 5	203 169 54	54 M- 4 M= 50 M=0.20 mm
2	140	836	441 5	142 138 4	89	904	390 5	116 62 54	54 M- 4 M= 50 M=0.20 mm
	285	976			286	025		108	
				8		040			
	+				-0.	mm		8	Curvature Corr.=0.40 mm
					285	985		100	
					285	976			
					-	009 mm			
				mm= "C"					
						-0	009 mm= "C"		
					100	0	09		

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY: Waldorneda G.E. Dreier DATE 9-22-71 WEATHER Hot TEMP. 72-96 INST. NO. 2476

NOTES BY: T. 82° ROD NO. 2583

INDEXED T. H. PALMER DATE 21 71 NOTES CHKD. BLANCHARD DATE NOV 3 71

F.B. 2883 PG. 173

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													FROM BM 15-6B TO BM 15-6A
BM 15-6B					159						197		BM 15-6B (L.A.C.F.C.D. BM 067 00565)
1	139	747	440	5	119	40	177	583	478	5	157	40	Myrtle Ave & Glendon Ave. S.E. Cor.
					144						214		See F.B. 3709-205
2	114	893	415	5	84	60	185	188	486	5	157	58	
					154	100					203	98	
3	131	415	432	5	108	46	183	333	489	5	163	40	A-Gable
					176	186					153	138	
4	163	562	464	5	150	26	176	969	937	5	119	34	
						172						172	
												172	BM 15-6A (L.A.C.F.C.D. BM 67-76)
	549	613					683	073				344	Rack Rd. & Live Oak Ave. S.E. Cor.
							549	613					See 3709-203
BM 15-6A							133	460					

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LOS ANGELES COUNTY ENGINEER

409 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 15-6A TO BM 15-6B
BM 15-6A					164						164		BM 15-6A (LACFCD BM 67-76)
1	137	351	438	5	110	54	137	914	438	5	110	54	Peck Rd & Live Oak Ave SE Cor
					241						172		see F.B. 3709-203
2	209	177	510	5	177	64	141	229	442	5	110	62	
					193	118					140	116	
3	175	671	476	5	157	36	122	694	423	5	104	36	
					153	154					140	152	R-Siemann
4	151	129	452	5	149	4	138	194	439	5	136	4	
						158						156	
												158	
BM 15-6B	673	328					540	031				314	BM 15-6B (LACFCD 067-00565)
	540	031											Myrtle Ave & Longden
	133	297											Ave. S.E. Cor.
													See F.B. 3709-205

F.B. 2883 Pg. 194 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 9-27-71

INDEXED T. M. PALMERI DATE

WEATHER Hazy Sun INST. NO. 9671

TIME 9:45 to 10:00 ROD NO. 95896

NOTES CHK BLANCHARD DATE MAY 5 '71

T-76°

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
405 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													FROM BM 15-6A TO BM 43-1
BM 15-6A					151						172		BM 15-6A (L.A.C.F.C.D. BM. 67-76)
1	130	182	431	5	109	42	151	945	452	5	130	42	Peck Rd & Live Oak Ave S.E. Cor
					164						168		See F.B. 3709-203
2	134	455	435	5	104	60	138	088	439	5	108	60	
					202	102					167	102	
3	168	030	469	5	134	68	134	235	435	5	101	66	
					224	170					141	168	T-Gable
4	193	518	494	5	162	62	109	402	410	5	97	64	
					205	232					129	232	
5	177	601	478	5	149	56	102	290	403	5	75	54	
						288						286	
												288	
	803	786					636	460				574	
	636	460											BM 43-1 (A2V5A A-11)
BM 43-1	167	326											Live Oak Ave & Longden Ave.
													See F.B. 1366-7

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G.E. Drexler DATE 6-22-71 WEATHER Hot, Sun TIME 3:00 to 3:20 INST. NO. 96716
NOTES BY R.A. Gilbertson ROD NO. 45896
INDEXED T.M. PALMERI DATE 7-21-71 NOTES CHK. BLANCHARD DATE
T-86°
F.B. 2843 Pg. 195

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM 43-1 TO BM 15-6A
BM 43-1				173				256	BM 43-1 (L.A.C.S.C.T.S. AZ VSA A-1
1	140	940	441 5	107 66	222	251	523 5	189 66	Live Oak Ave & Longdon Ave
				156				224	See F.B. 1366-7
2	124	099	425 5	92 64	193	170	494 5	162 62	
				174 130				212 128	
3	139	571	440 5	104 70	179	601	480 5	146 66	
				176 200				194 194	K-Siemann
4	149	515	450 5	172 54	164	176	465 5	134 60	
				223 254				175 254	
5	195	409	496 5	177 36	157	724	458 5	139 36	
				290				290	
								290	
	749	534			916	922		580	
					749	534			BM 15-6A (L.A.C.F.C.D. BM 67-76)
BM 15-6A									Peck Rd & Live Oak Ave. SE Cor
					167	388			See F.B. 3709-203

T-78°

WEATHER Hazy Sun INST. NO. 9671

TIME 9:20 to 9:45 ROD NO. 95 [illegible]

NOTES CHKD. BLANK DATE

JOB NO. 0301.02

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 9-27-71

INDEXED T. M. PALMERI DATE

F.B. 2893 Pg. 196

70P520Q CE # 000 8/68

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G.L. Dreier DATE 6-22-71
NOTES BY Maldonado DATE
INDEXED T.M. PALMERI DATE 6 21 71
WEATHER Hazy Sun TIME 1:35 to 1:55
NOTES CHKD BLANCHARD DATE
INST. NO. 2616 BOD NO. 8-15
F.B. 2893 Pg. 97
T-921

STATION	BACKSIGHT Right	Mic.	Left		Stadia	FORESIGHT Right	Mic.	Left		Stadia	DESCRIPTION AND REMARKS
											FROM BM43-1 TO BM43-2
BM43-1											BM43-1 (L.A.C.S.C.S.T.S. AZUSA A-11)
					229					121	Live Oak Ave. & Longden Ave
1	199	350	500	5	169 60	91	008	392	5	4 60	See F.B. 1366-7
					240					116	
2	209	247	510	6	178 62	85	632	386	5	54 62	
					224 122					153 122	
3	197	653	498	5	170 54	127	675	428	5	101 52	X-Gable
					185 176					143 174	
4	157	032	458	5	129 56	114	467	415	5	85 58	
					211 232					151 232	
5	183	842	484	5	155 56	124	983	425	5	97 54	
					226 288					154 286	
6	208	262	509	5	190 36	140	129	441		123 34	
					324					320	
										324	
	1155	886				683	894			644	BM43-2 (LA Co. Rd. Dept. Disk)
	683	894									Live Oak Ave. & Arrow Hwy
M43-2	471	992									See F.B. 1366-8
			RERUN		43-1 TO	43-2	9-27-71			T. 78	10:35 TO 11:05 cloudy
M.43-1											
1	217	749	518	5	250 184 66	104	688	405	5	127 71 66	
2	204	482	505	5	236 172 64 130	77	212	370	5	107 43 64 130	RERUN
											MALDONADO
3	195	048	496	5	223 167 56	148	699	445	5	115 58	
4	184	087	485	5	215 163 186	106	893	407	5	138 198	1185.360
5	187	657	488	5	212 162 248	96	930	397	5	120 248	712.795
6	196	337	497	5	208 158 248	182	373	483	5	146 248	+ 472.565
	1185	360			322	712	795			324	
B.M.43-2											

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

F.B. 2843 PG. 98 JOB NO. 030102

SURVEY OF Dr. Ca. Precisehere

SURVEY BY Dr. Ca. NOTES Maldonado / Siemons 9-27-71

INDEXED T. M. PALMERI DATE

T-70°

WEATHER CLOUDY TIME 9:00-9:20 NOTES CHG. LANCHARDY

INST. NO. ROD NO. DATE

STATION	BACKSIGHT RIGHT	BACKSIGHT MID.	BACKSIGHT LEFT	BACKSIGHT	BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MID.	FORESIGHT LEFT	FORESIGHT	FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 43-2 TO BM 43-1
BM 43-2													BM 43-2 (L.A.C. Rd. Dept. Disc.)
1	93	379	394	5	120 56	74	199	813	500	5	234 162	74	Live Oak Ave & Arrow Hwy.
													See F.B. 1366-8
2	88	153	389	5	126 50	76	173	770	474	5	210 136	74	
						150						148	
3	112	695	413	5	150 74	76	221	509	522	5	261 181	80	
						226						228	T= MALDONADO
4	85	870	386	5	110 60	50	199	282	500	5	224 174	50	
						276						278	
5	132	441	433	5	144 110	44	190	552	491	5	211 169	42	
						320						320	
BM 43-1												320	BM 43-1 (AZUSA A-12)
	512	538					984	926				640	LIVE OAK AVE & LONDEN AVE
							512	538					SEE F.B. 1366-7
							-472	388					
		RE RUN					9-27-71	3:00 TO 3:20			T= 80°		
BM 43-2													
1	118	804	419	5	148 88	60	194	816	495	5	224 164	60	
2	92	768	393	5	122 62	60	189	209	490	5	218 160	58	RERUN
						120						118	T= MALDONADO
3	125	516	426	5	130 100	50	159	274	460	5	185 133	52	
4	105	049	408	5	136 76	170 88	196	662	497	5	223 169	170 54	
						258						224	1159.817
5	82	047	383	5	110 54	56	206	339	507	5	232 180	52	687.396
6	163	040	464		180 146	284 34	213	717	514	5	235 191	276 44	-472.421
						318						320	
BM 43-1												318	
	687	396					1159	817				638	

76P520B CE # 308 8788

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM 43-2 TO BM 43-3
BM 43-2									BM 43-2
1	167	860	465 5	200 134 66	164	298	465 5	198 130 68	LIVE OAK AVE & ARROW HWY.
									SEE F.B 1366-8
X 2	212	797	513 5	246 180 66	90	354	391 5	123 57 66	
				233 132				98 134	
3	204	059	505 5	175 58	69	151	370 5	40 58	T MA DONADO
				235 90				115 192	
4	206	498	507 5	177 58	86	301	387 5	57 58	
				248				250	
5	167	819	468 5	180 154 26	164	511	465 5	199 151 26	
				274				276	
								274	
BM 43-3	958	033			574	615		550	BM 43-3
	574	615							ARROW HWY & BUENO RIO DR.
+	388	418							SEE F.B 2890-169
	4								
				REEUN 43-2 TO 43-3 9-27-71					HOD TO CLOUDY T=74°
M 43-2									
1	163	882	464 5	189 137 52	162	809	463 5	188 136 52	
2	176	849	477 5	203 149 54	101	810	402 5	128 74 54	
3	194	533	495 5	210 168 106 52	90	209	391 5	114 86 106 48	
4	197	311	498 5	222 142 158 50 208	92	121	393 5	113 61 154 50 208	
5	217	071	518 5	248 186 62	116	767	417 5	142 85 62	
				270				266	
M. 43-3								270	
	949	646			563	716		536	
	563	716							
#	385	930							

JOB NO. 0301-02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. DREIER
NOTES BY [illegible] DATE 9-23-71
INDEXED T. M. PALMERI DATE 21 71
WEATHER SM° 6 CY
TIME 1:55 TO 2:20
NOTES CHKD BLANCHARD DATE 8 71
INST. NO. 96376
ROD NO. 95296
F.B. 2893 PG. 199

T-94

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 43-3 TO BM 43-2
BM 43-3													BM 43-3
1	74	543	375	5	119 / 74	90	240	037	541	5	286 / 194	92	ARROW HWY & BUENO RIO DR
													SEE F.B. 2890-169
2	78	932	379	5	116 / 40	76	232	910	533	5	269 / 195	74	
						166						166	
3	88	085	389	5	118 / 58	60	140	951	441	5	170 / 110	60	π = MALDONADO
						226						226	
4	146	906	447	5	165 / 127	38	160	521	461	5	179 / 141	38	
						264						264	
BM 43-2												264	BM 43-2
	388	466					774	419				528	LIVE OAK AVE & ARROW
							388	466					SEE F.B. 1366-8
							385	953					

T = 68°

WEATHER CLOUDY INST. NO. 96716

TIME 8:40 TO 9:00 ROD NO. 95692

NOTES CHKD. BIANCHARD DATE MAY 8 71

F.B. 2893 Pg. 200 JOB NO. 0301.02

SURVEY OF LA CO PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 9-27-71

INDEXED I. M. PALMERI DATE

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM 43-3 TO BM 43-4B
M 43-3									BM 43-3
1	228	996	529 5	257 / 199 58	132	478	433 5	163 / 100 62	ARROW HWY & BUENO RIO DR.
									SEE F.B. 2890-169
2	120	270	421 5	147 / 93 54	68	849	369 5	93 / 43 50	
				112				112	
3	195	881	496 5	222 / 170 50	112	476	413 5	136 / 88 48	
				162				160	
4	203	792	504 5	230 / 176 54	102	493	403 5	124 / 75 54	π MALDONADO
				216				214	
5	207	627	508 5	234 / 180 54	52	091	353 5	80 / 24 56	
				270				270	
6	301	152	602 5	301 / 264 ½ 34	8	177	309 5	25 / 8 ½ 34	
				304				304	
7	284	647	585 5	296 / 272 24	30	771	331 5	43 / 17 26	
				326				330	
8	293	862	594 5	297 / 273 ½ 40	64	548	365 5	63 / 45 38	
				368				368	
9	178	439	479 5	200 / 156 44	198	894	499 5	220 / 176 44	
				412				412	
								412	
M 43-4B	2014	666			770	777		824	BM 43-4B
	770	777							ARROW HWY & 605 FRWY.
									SEE F.B. 3711-231
	+1243	889							

JOB NO. 030102 SURVEY OF L.A. CO. PRECISE LEVEL NET T-96
SURVEY BY G.E. DREIER
NOTES BY G.G.E.
INDEXED T.M. PALMERI
DATE 9-23-71
DATE NOV 21 71
WEATHER SMOGGY
TIME 2:20 TO 2:55
NOTES CHKD. BLANCHARD
INST. NO. 96714
ROD NO. 95896
DATE NOV 8 71
F.B. 2893 PG 201

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

F.B. 2893 Pg. 202 JOB NO. 030602
SURVEY OF LA Co. PRECISE LEVEL NET
SURVEY BY BREIER NOTES DREIER 9-24-71
INDEXED T. M. PALMERI DATE

WEATHER 90° SUNNY INST NO. 36216
TIME 2:45 P. ROD NO. 92-7-96
NOTES CHKD. BLANCHARD DATE

STATION	BACKSIGHT RIGHT	BACKSIGHT MID.	BACKSIGHT LEFT	S	STADIA		FORESIGHT RIGHT	FORESIGHT MID.	FORESIGHT LEFT	S	STADIA		DESCRIPTION AND REMARKS
													FROM BM 43-4B TO BM 43-3
BM. 43-4B													BM. 43-4B
1	234	871	535	5	271 197	74	281	371	582	5	281 250	62	ARROW HWY & SAN GABRIEL RIVER DR.
													SEE F.B. ~~1966~~ 3711-231
2	26	719	327	5	40 12	28	299	249	600	5	299 286	34	
						102						96	
3	39	252	348	5	50 28	22	286	532	587	5	297 273	26	
						124						122	T J. MALDONADO
4	6	211	307	5	24 6	36	256	150	557	5	273 239	34	
						160						156	
5	49	424	350	5	46 2	94	245	159	546	5	294 196	98	
						254						254	
6	79	958	380	5	121 37	84	23 189	647	546	5	281 197	84	
						338						338	
7	185	523	486	5	222 148	74	257	925	558	5	295 219	76	
						412						414	
												412	
	621	958					1861	033				826	
BM. 43-3							621	958					BM. 43-3 (AZUSA B-1)
													ARROW HWY & BUENA RIO DR.
							1244	075					SEE F.B. 2896-169

76P526D CE # 309 8/68

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM 43-4B TO BM 43-5A
BM 43-4B									BM 43-4B
1	61	981	362 5	70 / 44 / 34	281	120	582 5	200 / 262 / 38	ARROW HWY & 605 FRWY
									SEE F.B. 3711-231
2	48	591	349 5	64 / 32 / 32	213	041	514 5	229 / 197 / 32	
				66				70	
3	199	422	500 5	229 / 169 / 60	128	465	429 5	157 / 99 / 58	
				126				128	
4	183	339	484 5	214 / 152 / 62	137	350	438 5	168 / 106 / 62	
				188				190	
5	178	948	479 5	209 / 147 / 62	131	828	432 5	162 / 100 / 62	⊼ MAL DONADO
				250	77			252	
6	217	258	318 5	249 / 185 / 64	[illegible]	817	378 5	109 / 45 / 64	
				319				316	
7	240	729	541 5	270 / 210 / 60	54	667	355 5	83 / 25 / 58	
				374				374	
8	178	628	419 5	187 / 169 / 18	130	099	431 5	139 / 121 / 18	
				392				392	
								392	
BM 43-5A	1309	796			1154	387		784	BM 43-5A
	1154	387							ARROW HWY & BRIDGE
	+154	709							SEE F.B. 1366-11

JOB NO. 030102 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY N. E. DREIER
NOTES BY J. GOBLE DATE 9-23-71
INDEXED T. M. PALMERI DATE 9-27-71
WEATHER SNOGGY INST. NO. 96716
TIME 2:55-3:25 ROD NO. 95281
NOTES CHKD BLANCHARD DATE NOV 8 71

T-92

F.B. 2893 PG 263

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

409 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 43-5A TO B.M. 43-4B
B.M. 43-5A													B.M. 43-5A
1	54	503	355	5	83 / 25	58	217	643	518	5	247 / 187	60	ARROW HWY AT SANTA FE DAM BR, N. W. CO
													SEE F.B. 1366-11
2	70	843	371	5	102 / 38	64	170	698	471	5	203 / 137	66	
						122						126	
3	114	268	415	5	146 / 82	64	241	924	542	5	274 / 208	66	TR J. MALDONADO
						186						192	
4	156	156	457	5	190 / 122	68	194	727	495	5	224 / 164	60	
						254						252	
5	117	047	418	5	151 / 83	68	183	250	484	5	218 / 148	70	
						322						322	
6	253	692	554	5	276 / 230	46	104	417	405	5	125 / 83	42	
						368						364	
7	256	704	557	5	270 / 242	28	65	234	366	5	81 / 49	32	
						396						396	
B.M. 43-4B												396	B.M. 43-4B
	1023	213					1177	893				792	ARROW HWY & SAN GAB. RIVER FREEWAY S.E. CO
							1023	213					SEE F.B. 3711-231
							154	680					

F.B. 2893 Pg. 204

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES DREIER 9-24-71

INDEXED T. M. PALMERI DATE

JOB NO. 030102

WEATHER 90° SMOGGY INST. NO. 96716

TIME 2:20 TO 2:45 ROD NO. 95896

NOTES CHKD BLANCHARD DATE 8 71

761-526 D CE # 300 8/68

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 43-5A TO B.M. 43-5
B.M. 43-5A									B.M. 43-5A
				189				188	ARROW HWY AT SANTA FE DAM BR N.W. COR
1	172	000	473 5	155 34	171	772	422 5	154 34	SEE F.B. 1366-11
	171	772						34	
	+ 0	228						68	
B.M. 43-5									B.M. 43-5
									ARROW HWY AT SANTA FE DAM BR., N.E. COR
									SEE F.B. 1366-11

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET 71°
SURVEY BY G.E. DREIER
NOTES BY G.E. DREIER DATE 9-24-71 WEATHER HAZE
INDEXED T. M. PALMERI DATE OCT 21 '71 TIME 8:40 INST. NO 96716
NOTES CHKD BLANCHARD DATE NOV 8 '71 ROD NO 95896
F.B. 2093 PG. 205

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

409 Los Angeles County Engineering Bldg.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK. WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 43-5 TO B.M. 43-5A
B.M. 43-5									B.M. 43-5
									ARROW HWY AT SANTA FE DAM BR, N.E.C.
1	173	832	474 5	189 157 32	174	070	475 5	190 158 32	SEE F.B. 1366-11
					173	832		32	
								64	⊼ R. SIEMANN
					- 0	238	1		
B.M. 43-5A									B.M. 43-5A
									ARROW HWY AT SANTA FE DAM BR, N.W.
									SEE F.B. 1366-11

F.B. 2893 PG. 206

JOB NO. 0301.02

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES DREIER 9-24-71

INDEXED T. M. PALMERI DATE

WEATHER SMOGGY INST. NO. 96716

TIME 2:15 ROD NO. 95896

NOTES CHKD BLANCHARD DATE NOV 8 '71

90°

76P626B CE # 308 8/66

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 43-5 TO B.M. 43-5B
B.M. 43-5													B.M. 43-5
													ARROW HWY AT SANTA FE DAM BR. N.E. COR.
1	139	152	440	5	+44 134	10	135	720	436	5	+40 130	10	SEE F.B. 1366-11
	135	720										10	
													T-R SIEMANN
M. 43-5B	+ 3	432										20	
													B.M. 43-5B (U.S. ARMY CORPS OF ENGR
													ARROW HWY AT SANTA FE DAM BR. S.E. COR
													SEE F.B. 1366-11

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET 71°
SURVEY BY G.E. DREIER WEATHER HAZE INST. NO. 96716
NOTES BY T.M. PALMERI DATE 9-24-71 TIME 8:45 ROD NO. 95896
INDEXED DATE 21 NOTES CHK BLANCHARD DATE NOV 8 '71

F.B. 2893 PG. 207

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

405 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 43-5B TO B.M. 43-5
B.M. 43-5B													B.M. 43-5B (U.S. ARMY CORPS OF ENGR)
													ARROW HWY & SANTE FE DAM BR, S.E. COR
1	137	773	438	5	142 / 132	10	141	171	442	5	146 / 136	10	SEE F.B. 1366-11
							137	773				10 / 20	
							-3	398					T. R. SIEMANN
B.M. 43-5													B.M. 43-5
													ARROW HWY AT SANTE FE DAM BR, N.E. COR
													SEE F.B. 1366-11

F.B. 2893 PG. 208

JOB NO. 030102

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES DREIER 9-24-71

INDEXED T. M. PALMERI DATE

WEATHER SMOGGY INST. NO. 96716

TIME 2:10 ROD NO. 95[illegible]

NOTES CHKD. LANCHARDY DATE [illegible] 8 71

78P528B CL # 308 8/68

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 43-5B TO B.M. 46-8
B.M. 43-5B									B.M. 43-5B (U.S. ARMY CORPS OF ENGR
1	57	391	358 5	86 28 58	260	513	561 5	288 232 56	ARROW HWY. AT SANTA FE DAM BRIDGE
									SEE F.B. 1366-11
2	44	850	345 5	75 13 62	204	784	505 5	235 173 62	
				120				118	
3	154	881	455 5	188 120 68	143	868	444 5	178 108 70	R. SIEMANN
				188				188	
4	162	770	468 5	203 131 72	148	804	449 5	184 112 72	
				260				260	
5	184	953	485 5	220 148 72	131	589	432 5	168 94 74	
				332				334	
6	145	579	446 5	181 109 72	219	730	520 5	255 183 72	
				404				406	
7	132	280	433 5	159 105 54	262	790	563 5	288 236 52	
				458				958	
B.M. 46-8								458	B.M. 46-8
	887	704			1372	078		916	LIVE OAK AVE. & BALDWIN PARK BLVD
					887	704			SEE F.B. 1367-163
					484	374			

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET 74°
SURVEY BY G. E. DREIER
NOTES BY G. E. DREIER DATE 9-24-71
INDEXED T. M. PALMERI DATE 21 71
WEATHER HAZE INST. NO. 96716
TIME 8:50 TO 9:15 ROD NO. 95 & 96
NOTES CHKD BLANCHARD DATE 27
F.B. 2893 PG. 299

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

F.B. 2893 Pg. 210 JOB NO. 030102 INST. NO. 76 716 ROD 75 8 92 D. 11

SURVEY OF L.A. Co. PRECISE LEVEL NET WEATHER SMOGGY

SURVEY BY DREIER NOTES DREIER 9-24-71 TIME 1:45 NOTES CHKD BLANCHARD DATE

INDEXED I. M. PALMER DATE

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 46-8 TO B.M. 43-5B
B.M. 46-8													B.M. 46-8
1	208	601	509	5	240 176	64	56	472	357	5	28 24	64	LIVE OAK AVE & BALDWIN PARK BLVD.
													SEE F.B. 1367-163
2	197	312	498	5	227 167	60	143	700	444	5	172 114	58	
						124						122	
3	139	441	440	5	173 104	69	190	663	491	5	224 156	68	R. SIEMANN
						193						190	
4	149	372	450	5	184 114	70	169	631	470	5	206 132	74	
						263						264	
5	145	392	446	5	180 110	70	159	762	460	5	174 124	70	
						333						334	
6	195	059	496	5	225 165	60	60	062	361	5	90 31	59	
						393						393	
7	274	320	575	5	306 242	64	45	366	346	5	76 14	62	
						457						455	
												457	
	1389	497					825	656				912	
B.M. 43-5B	825	656											BM 43-5B (U.S. ARMY CORPS ENGR)
													ARROW HWY AT SANTA FE DRG. RR.
	4483	841											SEE F.B. 1366-11

70P1205 CE # 308 8/65

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM-43-5B TO BM 46-8
BM 43-5B				88				276	BM 43-5B (U.S. Army Corp of Engr.
1	61	842	362 5	34 54	249	470	550 5	222 54	Arrow Hwy @ Santa Fe Dam Bridge
	~~33~~	~~210~~	~~334 5~~	~~63~~ 63				232	See F.B. 1366-11
2	33	210	334 5	3 60	202	553	503 5	172 60	
				169 114				169 114	
3	139	586	440 5	109 60	141	280	442 5	113 56	π-Siemann
				200 174				180 170	
4	170	340	471 5	140 60	151	500	452 5	122 58	Re-Run
				197 234				165 278	
5	166	494	467 5	135 62	131	052	432 5	97 68	
				210 296				196 296	
6	180	158	481 5	150 60	165	592	466 5	134 62	
				150 356				226 358	
7	126	041	427 5	102 48	202	158	503 5	178 48	
	142	520	443	167 404				284 406	
8	~~139~~	~~679~~	~~440~~ 5	111 50	260	877	561 5	236 48	
				~~460~~ 454				~~454~~ 454	
	1020	651			1504	482		908	
					1020	651			
M 46-8					483	881			BM 46-8
									Live Oak Ave & Baldwin Park Blvd
									See F.B. 1367-163

JOB NO. 0301102 SURVEY OF L.A. CO. PRECISE LEVEL NET T-75°

SURVEY BY G.E. Dreier

NOTES BY Maldonado DATE 9-27-71 WEATHER Hazy Sun INST. NO. 96716

INDEXED T. M. PALMERI DATE 10 21 71 TIME 11:35 to 12:05 ROD NO. 98296

NOTES CHKD BLANCHARD DATE 10 8 71

F.B. 2893 PG 24

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G.E. DREIER
NOTES BY G.E. DREIER DATE 9-24-71
INDEXED T.M. PALMERI DATE OCT 21 71
WEATHER Haze TIME 9:15 TEMP. 78° ROD NO. 25896 INST. NO. 26476
NOTES CHKD. BLANCHARD DATE NOV 8 71
F.B. 2893 PG. 213

STATION	BACKSIGHT Right	Mid.	Left		Stadia		FORESIGHT Right	Mid.	Left		Stadia		DESCRIPTION AND REMARKS
													FROM B.M. 46-8 TO B.M. 43-6
B.M. 46-8													B.M. 46-8
1	274	330	575	5	274 / 2246	68	197	560	498	5	231 / 163	68	LUE OAK AVE & BALDWIN PARK BLVD.
													SEE F.B. 1367-163
2	259	251	560	5	294 / 224	70	127	215	428	5	162 / 92	70	
					229	138						138	
3	196	522	497	5	163	66	114	348	415	5	147 / 81	66	R. SIEMANN
						204						204	
												204	
B.M. 43-6													B.M. 43-6
	730	103					439	115				408	ARROW HWY & MAINE ST
	439	115											SEE F.B. 1366-12
	290	988											
						Re-Run							
	9-27-71		1345		to			Hazy Sun			7-80		
BM 46-8													BM 46-8
1	246	096	547	5	280 / 212	68	171	579	472	5	205 / 137	68	
2	246	380	547	5	278 / 214	64	108	260	409	5	140 / 76	64	Re-Run
					217	132					62	132	
3	185	331	486	5	153	64	62	960	363	5	62 / 33 2	58	R. Siemann
					140	196					184	190	
4	135	771	436	5	130	10	179	663	480	5	174	10	
						206						200	
												206	
BM 43-6	813	578					572	467				406	BM 43-6
	522	462											
	291	116											

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LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

F.B. 2893 Pg. 214 — JOB NO. 0301.02 — SURVEY OF L.A. Co. PRECISE LEVEL NET — SURVEY BY DREIER — NOTES DREIER 9-24-71 — INDEXED T. M. PALMERI — DATE

WEATHER SMOGGY — TIME 1:30 — NOTES CHKD BLANCHARD — INST. NO. 26716 — ROD NO. 25 & 26 — DATE NOV 8 '71

34°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM. 43-6 TO BM. 46-8
BM. 43-6													BM. 43-6
1	111	389	412	5	146 76	70	198	930	499	5	135 161	74	ARROW HWY & MAINE ST
													SEE F.B. 1366-12
2	111	199	412	5	149 78	66	745	912	546	5	278 212	66	
						136						140	
3	138	259	439	5	170 106	64	207	715	508	5	298 176	62	R. E. SIEDMAN
						200						202	
BM. 46-8												200	BM. 46-8
	361	347					652	557				402	LIVE OAK AVE & BALDWIN PARK
							361	347					SEE F.B. 1367-163
							291	210					
						Re-Run							
	9-27-71		1:30 to 1:45					472	4.5		78°		
BM 43-6													BM 43-6
1	164	597	465	5	199 131	66	184	852	485	5	217 151	66	
					123						260		
2	93	237	394	5	63	60	231	255	532	5	202	58	Re-Run
					147	126					281	124	
3	109	237	410	5	71	76	242	000	543	5	203	78	
						202						202	
												202	
	367	071					658	107				404	
							367	071					
BM 46-8							291	036					BM 46-8

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LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 43-6 TO B.M. 43-7
B.M. 43-6									B.M. 43-6
1	212	849	513 5	246 176 70	91	922	392 5	128 54 74	ARROW HWY. & MAINE ST.
									SEE F.B. 1366-12
2	201	694	502 5	236 166 70	136	712	437 5	171 [illegible] 70	
				140				244	↑ R. SIEMANN
3	194	094	495 5	229 159 70	129	580	430 5	164 94 70	
				210				214	
4	189	640	490 5	209 169 40	142	528	443 5	164 120 44	
				250				258	
B.M. 43-7								250	B.M. 43-7
	798	277			500	792		508	ARROW HWY & BLEEKER ST. &
	500	792							SEE F.B. 1366-13
	+297	485							

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET 79°
SURVEY BY G.E. DREIER WEATHER HAZE INST. NO. 96716
NOTES BY G.E. DREIER DATE 9-24-71 TIME 9:30 ROD NO. 95896
INDEXED T. M. PALMERI DATE 21 NOTES CHKD BLANCHARD DATE 8 71

F.B. 2893 PG. 215

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 43-7 TO B.M. 43-6
B.M. 43-7													B.M. 43-7
1	143	620	444	5	168 118	50	187	091	488	5	214 160	54	ARROW HWY & BLEEKER ST.
													SEE F.B. 1366-13
2	129	390	430	5	164 94	70	173	230	474	5	207 139	68	
3	110	729	411	5	140 80	120 60	189	343	490	5	218 160	122 58	
4	102	838	402	5	138 64	180 74	233	451	534	5	270 196	180 74	
						254						254	
B.M. 43-6												254	B.M. 43-6
	485	577					783	115				508	ARROW HWY & MAINE ST.
							485	577					SEE F.B. 1366-12
							297	538					

F.B. 2893 Pg. 216

JOB NO. 0301.02

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES DREIER 9-24-71

INDEXED T. M. PALMERI DATE

WEATHER SMOGGY 88° INST. NO. 96716

TIME 1:10 TO 1:30 ROD NO. 95896

NOTES CHKD BLANCHARD DATE

70P520B CE # 306 8/68

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
409 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE! ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G.E. DREIER DATE 9-24-71 WEATHER 76° SMOGGY INST. NO. 96716
NOTES BY G.E. DREIER TIME 9:45 TO 10:05 ROD NO. 35896
INDEXED T. M. PALMERI DATE OCT 21 '71 NOTES CHKD BLANCHARD DATE OCT 8 '71
F.B. 2893 PG. 217

STATION	BACKSIGHT RIGHT	MIC.	LEFT		STADIA		FORESIGHT RIGHT	MIC.	LEFT		STADIA		DESCRIPTION AND REMARKS
													FROM BM-43-7 TO BM-43-8
BM43-7													B.M. 43-7
1	197	182	498	5	232 162	70	104	334	405	5	138 70	68	ARROW HWY & BLEEKER ST ℄
													SEE F.B. 1866-13
2	213	232	514	5	250 176	74	120	852	421	5	156 84	72	
						144						140	R.J. MALDONADO
3	174	711	475	5	205 143	62	112	117	413	5	145 79	66	
						206						206	
BM.43-8												206	B.M. 43-8
	585	125					337	303				412	ARROW Hwy & ELTON ST ℄
	337	303											SEE F.B. 1866-14
	+247	822											
			RERUN 9-27-71				2:10 TO 2:20						CLOUDY T=80
BM-43-7													
1	190	682	491	5	220 160	60	108	552	409	5	137 77	62	
2	189	011	490	5	218 160	58	115	372	416	5	143 87	56	
						118						118	RERUN
3	177	225	478	5	205 149	56	115	718	416	5	142 88	54	MALDONADO
						74						172	
4	159	035	460	5	174 144	30	129	161	430	5	145 113	32	
						204						204	
BM.43-8												204	B.M. 43-8
	716	753					468	031				400	
	468	803											
	+247	950											

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
408 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

F.B. 2875 PG. 218 JOB NO. 030102
SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY BEELER NOTES DREER 9-24-71
INDEXED T. M. PALMERI DATE
WEATHER FOGGY 83°
TIME 11:45
NOTES CHKD. BY ANTHARD DATE
INST. NO. 26716
ROD NO. 25 12 NW 5 TH

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 43-8 TO BM 43-7
B.M. 43-8													BM 43-8
1	154	181	455	5	188 / 120	68	193	093	494	5	227 / 159	68	ARROW Hwy & ELTON ST
													SEE F.B. 1366-14
2	90	639	391	5	123 / 57	66	188	603	489	5	221 / 155	66	
						134					269	134	
3	127	077	423	5	158 / 86	72	233	223	534	5	197	72	T. J. MALDONADO
						206						206	
												206	
	366	897					614	919				412	
B.M. 43-7							366	897					BM 43-7
													ARROW Hwy & BLEEKER ST.
						-	248	022					SEE F.B. 1366-13
	RERUN				9-27		91	2:0-70			2:50		T. 80°
B.M. 43-8													
1	121	514	422	5	139 / 103	36	155	366	456	5	172 / 138	34	
2	149	025	450	5	177 / 121	56	194	608	495	5	223 / 165	58	RERUN
						92						92	T. MALDONADO
3	111	359	412	5	138 / 84	54	194	487	495	5	221 / 167	54	
						146						146	
4	132	488	433	5	167 / 101	60	217	776	518	5	254 / 185	64	
						206						210	
B.M. 43-7												206	
	514	386					762	237				416	
							514	386					
						-	247	851					

76F526B CE # 308 8/68

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 43-8 TO B.M. 43-9A
B.M. 43-8									B.M. 43-8
1	184	757	485 5	221 147 74	73	851	374 5	110 36 74	ARROW Hwy & ELTON ST
									SEE F.B. 1366-14
2	168	959	469 5	204 132 72	112	621	413 5	147 77 70	
				146				144	J. MALDONADO
3	221	680	522 5	258 184 74	92	190	393 5	129 55 74	
				220				218	
4	182	057	483 5	222 142 80	135	558	436 5	174 96 78	
				300		0		296	
5	179	847	480 5	206 152 54	156	077	457 5	189 123 66	
				354				362	
B.M. 43-9A								354	B.M. 43-9A (AZUSA H-12 1957)
	937	300			570	297		716	ARROW Hwy & AZUSA CN. RD.
	570	297							SEE F.B. 1366-15
	+367	003							

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET 80°
SURVEY BY G.E. DREIER WEATHER SMOGGY INST. NO. 96716
NOTES BY G.E. DREIER DATE 9-24-71 TIME 10:05 TO 10:25 ROD NO. 95896
INDEXED T. M. PALMER DATE [illegible] 21 71 NOTES CHKD BLANCHARD DATE [illegible] 8 71

F.B. 2893 PG 219

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 43-9A TO BM 43-8
BM 43-9A													BM 43-9A (AZUSA H^WY 1957)
1	132	169	433	5	162 102	60	170	401	471	5	201 139	62	ARROW HWY & AZUSA CN. RD.
													SEE F.B. 1366-15
2	150	254	451	5	182 118	64	140	642	441	5	172 108	64	
						124						126	π T. MALDONADO
3	100	139	401	5	134 66	68	212	152	513	5	246 178	68	
						192						194	
4	118	642	419	5	160 86	64	218	200	519	5	249 187	62	
						256						256	
5	131	592	432	5	162 100	62	177	519	478	5	208 146	62	
						318						318	
6	140	517	441	5	160 120	40	221	462	522	5	247 207	40	
						358						358	
BM 43-8												358	BM 43-8
	773	313					140	376				716	ARROW HWY & ELTON ST.
							773	313					SEE F.B. 1366-14
							367	063					

F.B. 2893 PG. 220 JOB NO. 03 01.02
SURVEY OF L.A. CO. PROJECT LEVELNET
SURVEY BY ENGINEER NOTES D. GEIER 7-24-71
INDEXED T. M. PALMER DATE

T-84

WEATHER Hot
TIME 10:20 AM / 1:45
NOTES CHKD BLANCHARD DATE
INST. NO. 96716
ROD NO. 35896

76P526B CE # 908 8/68

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 43-9A TO B.M. 16-1
B.M. 43-9A				235				161	B.M. 43-9A
1	207	565	508 5	179 56	132	267	433 5	103 58	ARROW HWY & AZUSA CN RD
				264				140	SEE F.B. 1366-15
2	227	871	528 5	190 74	103	769	404 5	86 74	
				204 130				192 132	
3	171	959	472 5	138 66	158	372	459 5	124 68	
				229 196	9			207 200	T-Dreier
4	187	397	488 5	145 84	153	099	460 5	116 86	
				215 280				186 286	
5	180	998	481 5	145 70	154	150	455 5	122 64	
				199 350				154 350	BM 16-1
6	169	961	470 5	139 60	124	941	425 5	94 60	Arrow Hwy & Irwindale
				410				410	
BM 16-1								410	See F.B. 1380-200
	1145	751			832	498		820	
	832	498							
	313	253							

JOB NO. 0[illegible] SURVEY OF L.A. CO. PRECISE LEVEL NET 84°
SURVEY BY E. DREIER
NOTES BY Caldonado DATE 9-24-71 WEATHER H324 Sun INST. NO. 96716
INDEXED T. M. PALMERI DATE [illegible] TIME 10:25 to 10:50 ROD NO. [illegible]
NOTES CHKD BLANK HARD DATE [illegible]

F.B. 2893 PG. 221

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

F.B. 2893 PG. 222 JOB NO. 0301.02
SURVEY OF A. Carbonise Level Net NOTES Malibu Canyon 9-28-71
SURVEY BY Dreier DATE
INDEXED T. M. PALMERI

T-82 WEATHER Hazy Sun INST. NO. 3671
TIME 10:00 11:20 ROD NO. 2589
NOTES CHKD BLANCHARD DATE 8-71

STATION	BACKSIGHT RIGHT	BACKSIGHT MID.	BACKSIGHT LEFT.		STADIA		FORESIGHT RIGHT	FORESIGHT MID.	FORESIGHT LEFT.		STADIA		DESCRIPTION AND REMARKS
													FROM BM16-1 TO BM43-9A
BM16					152						202		BM16-1
1	126	033	427	5	93	68	164	693	465	5	126	76	Arrow Hwy & Irwindale Ave. E. Sec
					194						226		See F.B. 1380-200
2	160	075	461	5	126	68	195	478	496	5	164	62	
					202	124					212	138	
3	167	650	468	5	132	70	179	294	480	5	146	66	T. Dreier
					183	204					229	264	
4	144	720	445	5	105	78	191	259	492	5	153	76	
					175	282					221	280	
5	145	278	446	5	115	60	200	550	501	5	169	62	
					125	342					250	342	
6	93	600	394	5	61	64	219	531	520		187	64	
						406						406	
												406	
	837	356					1150	805				812	BM43-9A
							837	356					Arrow Hwy & Azusa Cyn Rd
BM43-9A													See F.B. 1366-15
							313	449					

761-526 B C E P 308 5/66

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 16-1 TO B.M. 16-1A
B.M. 16-1													B.M. 16-1
					171						154		ARROW HWY & IRWINDALE
1	161	251	462	5	151	20	143	088	444	5	132	22	SEE F.B. 1380-200
	143	088										20	
	+18	163										42	R-Dreier
B.M. 16-1A													B.M. 16-1A
													ARROW HWY & IRWINDALE
													SEE F.B. 3712-8

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T-82°

SURVEY BY G.E. DREIER

NOTES BY [illegible] DATE 9-24-71

INDEXED T. M. PALMERI DATE 9 21 71

WEATHER 11:21 Sun INST. NO. 96716

TIME 10:50 to 10:55 ROD NO. 95 & 96

NOTES CHKD BLANCHARD DATE 9-21

F.B. 2893 PG. 223

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 16-1A TO BM 16-1
BM 16-1A									BM 16-1A
				153		8		171	Arrow Hwy & Irwindale Ave
1	142	687	4435	131 22	160	23	461 5	144 22	See F.B. 3712-8 S.E. Cor.
					142	687		22	
					18	146		44	
BM 16-1									
									BM 16-1
									Arrow Hwy & Irwindale Ave
									See F.B. 1380-200 S. Int.

F.B. 2893 PG. 224 JOB NO. 0301.02

SURVEY OF L.A. Co Precise Level Net

SURVEY BY Dreier NOTES Maldonado 9-24-71

INDEXED T. M. PALMER DATE

WEATHER Hazy Sun INST. NO. 96716

TIME 10:55 to 11:00 ROD NO. 95[illegible]

NOTES CHK'D BLANCHARD DATE NOV 8 71

T-82°

Notes Ck'd by	Survey of L.A. Co. PRECISE LEVEL NET
Map No.	JN 0301.02 Tape Std. °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes Date OCT. 1971
Date	Indexed T. M. PALMERI OCT 21, 71

F.B. 2893 Pg. 225

JOB NO 0301.02

L.A. Co. PRECISE LEVEL NET

PORTION OF LINE NO. 11

B.M. 16-1 TO B.M. 11-26A

IRWINDALE AVE AND ARROW HWY TO GLADSTONE ST & ALOSA AVE

DESCRIPTION REFERENCES

F.B. 1380-200

F.B. 3712-8

F.B. 1376-24 TO 27

F.B. 3710-59 TO 62

DREYER
MALDONADO
SIEMANN
McKNIGHT

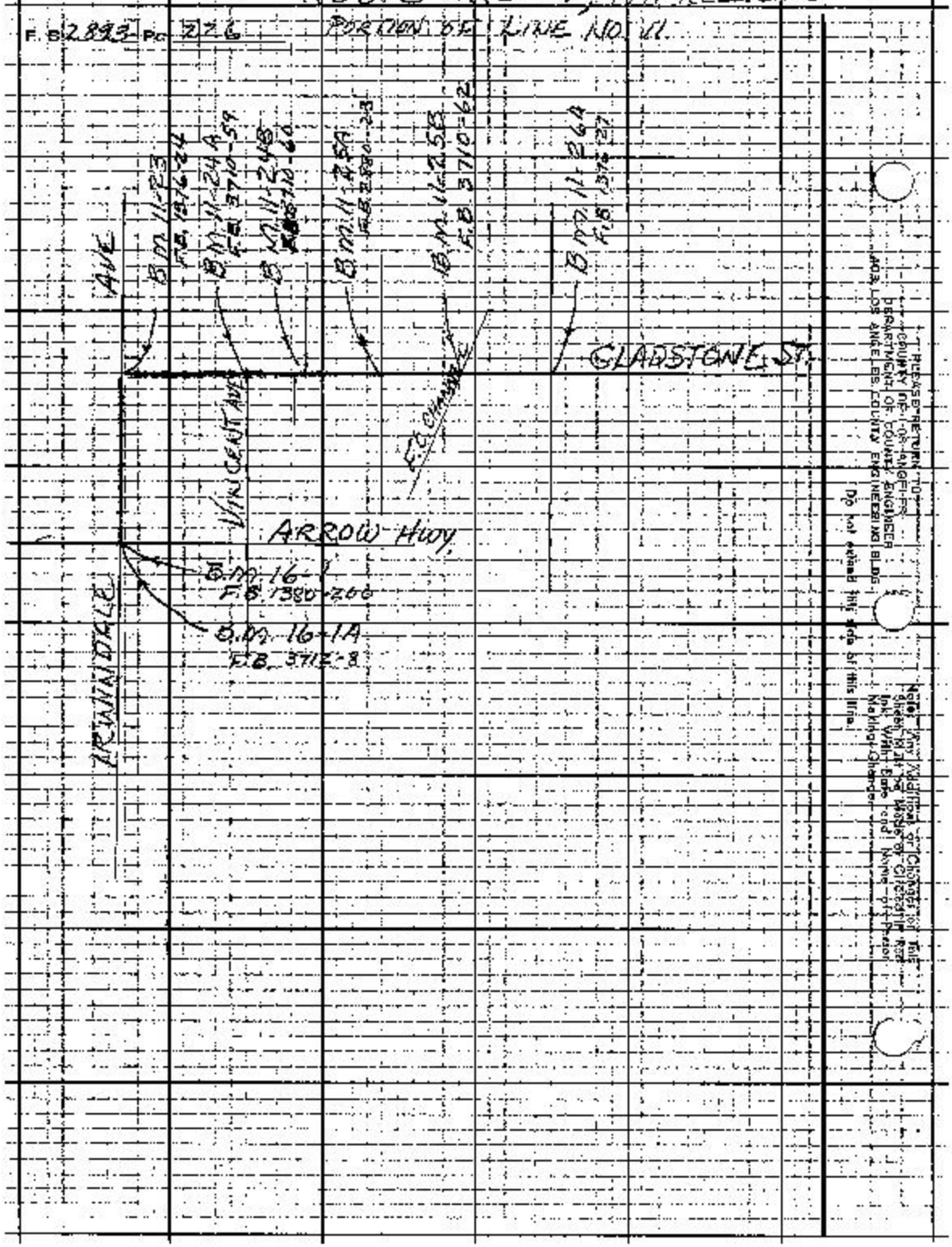
Note: Any Additions or Changes on this Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

PLEASE RETURN TO
COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

ROUTE SKETCH, 1971 RELEVELING

F.B. 2893 PG. 226 PORTION OF LINE NO. 11.



70P526B CE # 308 8/68

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM _____ TO _____
			DETERMINATION OF "C"										
		NEAR ROD						FAR ROD					
					158						159		
1	156	370	457	5	154	4	132	080	432	5	105	54	54 M- 4 M= 50 M=0.20 mm
					160						209		
2	158	128	459	5	156	4	182	360	483	5	155	54	54 M- 4 M= 50 M=0.20 mm
	314	498				8	314	440				108	
	314	400						040 mm					
	+	098					-0.	mm				8	Curvature Corr.=0.40 mm
							314	400				100	
							-						
		010											
	+	0.~~009~~			mm= "C"								
	100	0.980											
											mm= "C"		

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G. E. Drear
NOTES BY Maldonado DATE 10-1-71
INDEXED T. M. PALMERI DATE OCT 21 71
WEATHER Hazy Sun
TIME 8:35
NOTES CHKD
INST. NO 96716
ROD NO 95896
DATE
T-64°
F.B. 2893 PG. 227

70P520B CE # 308 6/08

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G. E. Dreier
NOTES BY Maldonado DATE 10-4-71
INDEXED T. M. PALMERI DATE 10 21 71
WEATHER Hazy Sun
TIME 8:30
NOTES CHKD. DATE
INST. NO 96716
ROD NO 95696
F.B. 2893 PG. 229
T-74'

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
				158				139	
1	156	010	457 5	154 4	112	510	413 5	85 54	54 M- 4 M= 50 M=0.20 mm
				161				230	
2	159	893	460 5	157 4	203	312	504 5	176 54	54 M- 4 M= 50 M=0.20 mm
	315	903		8	315	822		108	
	315	782				040 mm		*	
	+	121			~~0.~~ mm			8	Curvature Corr.=0.40 mm
					315	782		100	

.012
+ 0.010 mm= "C"
100 / 1.210
100
10

mm= "C"

76P52BB CE # 306 8/68

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM. 16-1A TO B.M. 16-1
BM 16-1A					157						174		B.M. 16-1A
1	146	709	447	5	135	22	164	888	465	5	154	20	ARROW Hwy & IRWINDALE AVE S.E. Cor
							146	709				22	SEE F.B 3712-8
							18	179				42	T. Siemann
BM 16-1													B.M. 16-1
													ARROW Hwy & IRWINDALE AVE, ℄ Int
													SEE F.B. 1380-200

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G.E. Dyer
NOTES BY N. Baldonado DATE 10-1-71
INDEXED T.M. PALMERI DATE 11 21 71
WEATHER Hazy Sun INST. NO. 96716
TIME 8:50 to 8:55 ROD NO. 95896
NOTES CHKD. BLANCHARD DATE 11 8 71

T. 64°

F.B. 2893 PG 231

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

409 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 16-1 TO BM 16-1A
BM 16-1													BM 16-1
					174						156		Arrow Hwy & Irwindale Ave E.I.
1	164	582	465	5	154	20	146	350	447	5	136	20	See F.B. 1380-200
	146	350										20	
	+18	232										40	
													T-Siemann
BM 16-1A													BM 16-1A
													Arrow Hwy & Irwindale Ave
													See F.B. 3712-8 S.E. Cor.

T-86°

WEATHER Hazy Sun INST. NO 9674

TIME 2:30 to 2:35 ROD NO 9558

NOTES CHKD. BLANCHARD DATE NOV 8 '71

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 10-1-71

INDEXED T. M. PALMER DATE

F.B. 2893 PG. 232

76P526B CE # 308 8/68

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MID.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MID.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM 16-1 TO BM 11-23
BM 16-1				306				110	BM 16-1
1	267	172	568 5	228 78	68	149	369 5	26 84	Arrow Hwy & Irwindale Ave
				272				106	See FB 1380-200 & Int.
2	233	326	534 5	194 78	68	220	365 5	30 76	
				201 156				118 160	
3	262	660	563 5	223 78	80	224	381 5	42 76	π-Siemann
				257 234				103 236	
4	219	559	520 5	181 76	65	381	366 5	27 76	
				288 310				119 312	
5	252	300	553 5	215 73	83	663	384 5	47 72	
				201 383				166 384	
6	182	778	483 5	163 38	149	412	450 5	131 35	
				421				419	
								421	
	1417	795			515	054		840	
	515	054							BM 11-23
BM 11-23	+902	741							Arrow Hwy & Gladstone St.
									See F.B. 1376-24

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T-64°
SURVEY BY G. E. Dreeser WEATHER Hazy Sun INST. NO. 96716
NOTES BY Maldonado DATE 10-1-71 TIME 8:55 to 9:20 ROD NO. 95796
INDEXED T. M. PALMERI DATE 11 21 71 NOTES CHKD. BLANCHARD DATE 11 3 71

F.B. 2893 Pg. 233

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

408 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT Right	Mid.	Left.		Stadia		FORESIGHT Right	Mid.	Left.		Stadia		DESCRIPTION AND REMARKS
	43						44						From BM 11-23 To BM 16-1
BM 11-23					183						264		BM 11-23
1	136	000	437	5	149	54	232	547	533	5	202	64	Irwindale Ave & Gladstone St
					119						235		See F.B. 1376-24 NE Cor.
2	87	899	398	5	55	64	206	851	507	5	177	58	
					109	118					240	122	
3	79	080	380	5	49	60	210	991	511	5	180	60	
					121	178					254	182	T-Siemann
4	91	955	392	5	61	60	224	181	525	5	194	60	
					118	238					265	292	
5	87	830	388	5	56	62	235	740	536	5	203	60	
					127	300					248	302	
6	97	730	398	5	67	60	218	741	519	5	188	60	
					108	360					262	362	
7	78	390	379	5	48	60	233	000	534		204	58	
						420			*			420	
												420	
	658	884					562	051				840	
							658	884					
							903	167					BM 16-1
BM 16-1													Arrow Hwy & Irwindale Ave
													See F.B. 1380-200 & Int.

T-82°

WEATHER Hazy 50°

TIME 2:00 to 2:30

NOTES CHKD LANCHARD

INST. NO. 76276

ROD NO. 55496

DATE 8-11

F.B. 2885 PG. 234

SURVEY OF L.A. Co. Precise Lev. Net

SURVEY BY Oreier NOTES Maldonado 10-1-71

INDEXED T. M. PALMERI DATE

JOB NO. 070102

76P626B CE # 506 8/68

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G.E. Dwier
NOTES BY Hollowell
DATE 10-4-71
WEATHER Hazy Sun
TIME 8:40 to 9:05
INST. NO. 8136
ROD NO. 95846
INDEXED T. M. PALMERI
DATE OCT 21 '71
NOTES CHKD BLANCHARD
DATE NOV 8 '71
7-740
F.B. 2893 PG. 735

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									From BM 16-1 To BM 11-23
BM 16-1				294				131	BM 16-1
1	261	612	562 5	228 66	97	301	398 5	63 68	Arrow Hwy & Irwindale Ave
				222				125	See F.B. 1380-700 & Int.
2	237	065	538 5	202 70	90	566	391 5	55 70	
				281 136				107 138	
3	245	683	546 5	209 72	71	609	372 5	35 72	
				268 208				124 210	To Sierra Vista
4	233	641	534 5	198 70	88	540	389 5	52 72	
				278 278				104 282	Re-Run
5	242	282	543 5	206 484	69	000	370 5	34 70	
				268 350				167 352	
6	233	680	534 5	198 70	134	437	435 5	101 66	
				420				418	
								420	
	1453	963			551	453		638	
	451	453							
	1002	510							
BM 11-23									BM 11-23
									Arrow Hwy & Gladstone St.
									See F.B. 1396-24.

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MID.	LEFT.		STADIA		RIGHT	MID.	LEFT.		STADIA		FROM BM 11-23 TO BM 16-1
BM 11-23					165						274		BM 11-23
1	130	564	431	5	94	71	238	310	539	5	202	72	Irwindale Ave & Gladstone S
					99						272		See F.B. 1376-24 N.F. Cor
2	63	840	364	5	27	72	237	353	538	5	202	70	
					126	143					269	142	
3	90	190	391	5	54	72	233	082	534	5	197	72	R. Siemann
					102	215					285	214	
4	66	299	367	5	30	72	249	519	550	5	213	72	Re-Run
					126	287					256	286	
5	90	901	391	5	54	72	222	153	523	5	168	68	
					132	359					299	354	
6	101	611	402	5	70	62	266	161	567	5	233	66	
						421						420	
												421	
	543	455					1446	578				841	
							543	455					
							903	123					
BM 16-1													BM 16-1
													Arrow Hwy & Irwindale Av
													See 1380-200 & Int

F.B. 2393 PG. 236 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Alot

SURVEY BY Dreier NOTES Maldonado 10-4-71

INDEXED T. M. PALMER DATE

WEATHER Hazy Sun INST. NO. 96716

TIME 9:10 AM ROD NO. 95[illegible]

NOTES CHKD BLANCHARD DATE

70P526B CE # 306 8/58

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T-80
SURVEY BY GE. D. REIER
NOTES BY SIEMANN DATE 10-6-71 TIME 9:42 TO 10:25 ROD NO. 95896
INDEXED T. M. PALMER DATE 10-21-71 NOTES CHKD BLANCHARD DATE NOV 8 1971
WEATHER HAZY SUN INST. NO. 96716
F.B. 2893 PG. 237

STATION	BACKSIGHT Right	Mic.	Left		Stadia	FORESIGHT Right	Mic.	Left		Stadia	DESCRIPTION AND REMARKS
											FROM B.M. 16-1 TO B.M. 11-23
B.M. 16-1											B.M. 16-1
1	266	554	567	5	300 232 68	100	798	401	5	133 66 67	ARROW HWY. & IRWINDALE AVE
											SEE F.B. 1380-200
2	214	180	515	5	246 182 64	89	080	390	5	120 58 62	
					132					129	
3	224	720	525	5	256 192 64	56	380	357	5	88 24 64	
					196					193	
4	201	369	502	5	232 170 62	80	343	381	5	144 49 62	2nd Return
					258					255	
5	216	768	517	5	247 185 62	83	156	384	5	115 51 64	π = M4-60H000
					320					319	
6	230	237	531	5	260 200 60	68	672	369	5	97 38 59	
					380					378	
7	176	763	477	5	199 155 42	149	440	450	5	171 127 44	
					422					422	
B.M. 11-23										422	B.M. 11-23
	530	591				627	869			844	IRWINDALE AVE. & GLARSTONEET
	627	869									SEE F.B. 1376-24
	+902	722									

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 11-23 TO B.M. 16-1
B.M. 11-23									B.M. 11-23
1	116	322	417 5	150 82 68	217	941	518 5	232 182 70	IRWINDALE AVE & GLADSTONE ST
									SEE F.B. 1376-24
2	68	333	369 5	100 36 64	222	129	523 5	255 189 66	
				132				136	
3	88	580	389 5	119 57 62	227	313	528 5	257 197 60	
				194				196	2nd Re run
4	105	486	406 5	137 73 64	246	182	547 5	278 214 64	
				258				260	T = MALDONADO
5	74	791	375 5	106 42 64	213	756	514 5	244 182 62	
				322				322	
6	95	877	396 5	122 68 54	193	799	494 5	220 166 54	
				376				376	
7	61	091	362 5	86 36 50	192	226	493 5	216 168 48	
				426				424	
B.M. 16-1								426	B.M. 16-1
	610	480			513	346		850	ARROW HWY. & IRWINDALE AVE
					610	480			SEE F.B. 1380-200
					902	866			

T = 84°

WEATHER HAZY SUN INST. NO 9671

TIME 10:30 TO 10:55 ROD NO 9509

NOTES CHKD. BLANCHARD DATE MW 3 '71

JOB NO. 0301.02

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 10-4-71

INDEXED I. M. PALMERI DATE

F.B. 2893 PG. 238

75P5263 CE # 808 6/69

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
408 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY GLE DEREER
NOTES BY SEEMANN DATE 10-1-71
INDEXED T. M. PALMERI DATE OCT 21 71
WEATHER SUNNY CLEAR TEMP 72°
TIME 9:20 TO 9:40 ROD NO 95-496
NOTES CHKD BLANCHARD DATE NOV 8 71
F.B. 2793 PG 239

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													FROM B.M. 11-23 TO B.M. 11-24A
M.11-23													B.M. 11-23
1	178	600	479	5	102 / 154	48	130	460	431	5	134 / 106	48	IRWINDALE AVE. & GLADSTONE ST.
													SEE F.B. 1376-24
2	176	327	477	5	215 / 137	78	88	462	389	5	128 / 48	80	
3	158	973	459	5	196 / 120	126 / 76	138	038	439	5	173 / 101	128 / 74	
4	172	475	473	5	209 / 135	202 / 74	122	149	423	5	158 / 86	202 / 72	T = MALDONADO
5	182	898	483	5	218 / 146	276 / 72	118	183	419	5	154 / 82	274 / 72	
6	148	333	449	5	149 / 117	348 / 62	163	193	414	5	195 / 121	346 / 64	
						410						410	
M.11-24A												410	B.M. 11-24A
	1012	606					760	490				820	GLADSTONE ST. & VINCENT AVE.
	760	490											SEE F.B. 2710-59
	+257	116											

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

408 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 11-24A TO B.M. 11-23
B.M. 11-24A													B.M. 11-24A
1	184	508	485	5	217 151	66	156	541	457	5	184 128	56	GLADSTONE ST. & VINCENT AVE
													SEE F.B. 3710-59
2	120	202	421	5	147 93	54	178	918	479	5	210 146	64	
						120						120	
3	106	228	407	5	134 78	56	130	952	431	5	158 102	56	
						176						176	
4	111	008	412	5	139 83	56	160	753	461	5	190 130	60	
						232						236	T = MALDONADO
5	130	219	431	5	158 102	56	168	901	469	5	195 141	54	
						288						290	
6	121	669	422	5	149 93	56	165	930	466	5	193 137	56	
						344						346	
7	112	353	413	5	141 83	58	139	911	440	5	167 111	56	
						402						402	
8	148	763	449	5	130 146	4	190	140	491	5	192 188	4	
						406						406	
B.M. 11-23												406	B.M. 11-23
	1034	950					1292	046				812	IRWINDALE AVE. & GLADSTONE ST.
							1034	950					SEE F.B. 1376-24
							-257	096					

F.B. 2893 PG. 240 JOB NO. 0301.02

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 10-1-71

INDEXED T. M. PALMERI DATE

T = 80°

WEATHER HAZY SUN INST. NO. 9671

TIME 1:20 TO ROD NO. 9589

NOTES CHKD BLANCHARD DATE JUL 5 '71

76-625B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

408 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 11-24A TO B.M. 11-24B
M. 11-24A													B.M. 11-24A
1	188	737	489	5	218 / 158	60	144	343	445	5	176 / 112	64	GLADSTONE ST. & VINCENT AVE.
													SEE F.B. 3710-59
2	160	187	461	5	189 / 131	58	154	119	455	5	184 / 124	60	
						118						124	
3	139	267	440	5	172 / 106	66	170	781	471	5	199 / 141	58	π = MALDON
						184						182	
4	134	932	435	5	148 / 120	28	80	920	381	5	94 / 66	28	
						212						210	
M. 11-24B												212	B.M. 11-24B (U.S.C.&G.S. J-1143)
	623	123					550	163				422	GLADSTONE ST. & JACKSON AVE.
	550	163											SEE F.B. 3710-60
	+72	860											
		9											

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T = 78°

SURVEY BY G.E. DREISER

NOTES BY SIEMANN DATE 10-1-71

INDEXED T. M. PALMERI DATE 10 21 71

WEATHER HAZY SUN

TIME 2:45 TO

NOTES CHKD BLANCHARD DATE 10 8 71

INST. NO. 96716

ROD NO. 95896

F.B. 2893 PG. 241

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 11-24 B TO B.M. 11-24 A
B.M. 11-24B													B.M. 11-24 B (U.S.C.&G.S. J-1143 M.
1	98	876	399	5	116 80	36	153	967	454	5	171 135	36	GLADSTONE ST. & JACKSON AVE.
													SEE F.B. 3710-60
2	163	089	464	5	196 130	66	134	308	435	5	168 100	68	
						102						104	
3	162	327	463	5	194 130	64	145	873	446	5	177 113	64	π = MALDONADO
						166						168	
4	141	908	442	5	160 117	48	205	020	506	5	229 181	48	
						214						216	
B.M. 11-24A												214	B.M. 11-24A
	566	200					139	168				430	GLADSTONE ST. & VINCENT AV.
							566	200					SEE F.B. 3710-59
							172	968					

T = 78°

WEATHER SUNNY INST. NO. 96716

TIME 11:30 TO 11:45 ROD NO. 95790

NOTES CHKD. BLANCHARD DATE

F.B. 2893 PG. 242 JOB NO. 0301.02

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY BREIER NOTES SIEMANN 10-1-71

INDEXED L. M. PALMER DATE

76P526B CE # 308 8/68

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T-90
SURVEY BY G.E. DREIER
NOTES BY SIEMAHN DATE 10-1-71 WEATHER HAZY SUN INST. NO. 96716
TIME 3:00 TO 3:10 ROD NO. 95496
INDEXED T. M. PALMER DATE OCT 21 71 NOTES CHKD BLANCHARD DATUM NGVD
F.B. 2893 PG. 2-93

STATION	BACKSIGHT Right	Mic.	Left	Stadia		FORESIGHT Right	Mic.	Left	Stadia		DESCRIPTION AND REMARKS
											FROM B.M. 11-24B TO B.M. 11-25A
M.11-24B											B.M. 11-24B (U.S.C.&G.S. J-1143 1961)
1	82	259	383	5	110 54	56	132	902	432	5	160 104 56 GLADSTONE ST & JACKSON AVE.
											SEE F.B. 3710-60
2	149	507	450	5	184 117	64	129	659	430	5	161 97 64
						120					120
3	157	559	458	5	189 130	54	152	081	453	5	177 127 50 π = MALDONADO
						174					170
4	137	921	438	5	157 115	44	170	416	471	5	193 147 46
						218					216
M.11-25A											218 B.M. 11-25A
	527	246					585	058			434 GLADSTONE ST. & LARK ELLEN AVE.
							527	246			SEE F.B. 2880-23
							57	812			

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 11-25A TO B.M. 11-24B
B.M. 11-25A													B.M. 11-25A
1	172	102	473	5	204 140	64	157	487	458	5	187 125	64	GLADSTONE ST., VERNON AVE. &
													LARK ELLEN AVE.
2	147	287	448	5	181 113	68	154	969	455	5	189 119	70	SEE F.B. 2880-23
						132						134	
3	171	127	472	5	206 136	70	167	597	468	5	201 133	68	
						202						202	T = MALDONADO
4	151	634	452	5	157 143	16	104	302	405	5	112 96	16	
						218						218	
B.M. 11-24B												218	B.M. 11-24B (J-1143 1961) U.S.C.&G.S.
	642	150					584	355				436	GLADSTONE ST. & JACKSON AV
	584	355											SEE F.B. 3710-60
	57	795											

T = 78°

WEATHER SUNNY INST. NO. 9671

TIME 11:15 TO 11:30 ROD NO. 5589

NOTES CHKD. BLANCHARD DATE 3 '71

JOB NO. 0301.02

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 10-1-71

INDEXED T. M. PALMER DATE

F.B. 2893 PG. 244

75P626B CE # 308 5/69

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
409 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 11-25A TO BM 11-25B
BM 11-25A					215						173½		BM 11-25A
1	180	880	481	5	145	70	140	453	441	5	140½	66	Gladstone St. & Lark Ellen Ave
					218						166		See F.B. 2880-23 S.E. Cor.
2	180	822	481	5	142	76	127	612	428	5	88	78	
					224	146					244½	144	
3	186	649	487	5	148	76	36	149	337	5	36½	76	
					224	222					156	220	X-Sicmagna
4	210	026	511	5	196	28	140	221	441	5	124	32	
						250						252	
												250	
	758 377						444 435					502	BM 11-25B (F.C.D. BM. 084-0145)
	444 435												Gladstone St. & Charmel N.W. Cor.
BM 11-25B	431 394												See F.B. 3710-62

JOB NO. 030 502 SURVEY OF L.A. CO. PRECISE LEVEL NET T-72°

SURVEY BY [illegible] DATE 10-1-71

WEATHER Hazy 80° INST. NO. 48716

TIME 10:20 to 10:40 ROD NO. 45-156

NOTES CHKD BLANCHARD DATE 82 [illegible]

F.B. 2863

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 11-25B TO BM 11-25A
BM 11-25B					44						214		BM 11-25B (Lead Pl. D. B.M 084-0114)
1	17	930	368	5	35	64	233	549	534	5	202	62	Gladstone St & El Cont Channel
					165						236		See F.B. 3710-62 N.W. Cor. Bridge
2	131	720	432	5	97	68	201	481	502	5	166	70	
					177	132					229	132	
3	142	990	443	5	107	70	195	972	496	5	161	68	X Seymour
					183	202					210	200	
4	159	620	460	5	135	48	185	221	486	5	160	50	
						250						250	
												250	
	502	260					816	223				500	
BM 11-25A							502	260					BM 11-25A
							313	963					Gladstone St & Lark Ellen Ave.
													See F.B. 2880-23 S.E. Cor.

F.B. 2893 PG. 246

JOB NO. 030102

SURVEY OF LACo Precise Level Net

SURVEY BY Drew NOTES Maldonado 10-1-71

INDEXED T. M. PALMER DATE

WEATHER Hazy Sun INST. NO. 96716

TIME 11:00 to 11:15 ROD NO. 95890

NOTES CHKD BLANCHARD DATE 10 8 71

T-76°

76F828B CE > 304 11/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 11-25B TO BM 11-26A
BM 11-25B									BM 11-25B (L.A.C.F.C.D. BM 084-01145)
1	96	768	397 5	130 / 62 68	139	779	440 5	173 / 105 68	Gladstone St. & Fl. Cont. Channel
									see F.B. 3710-62 N.W. Cor. bridge
2	195	730	496 5	223 / 167 56	126	850	427 5	154 / 98 56	
				124				124	
3	198	383	499 5	216 / 180 36	146	231	447 5	164½ / 146 36	π-Siemann
				160				160	
								160	
	490	881			412	860		320	
	412	860							BM 11-26A
	78	021							Gladstone St. & Azusa Ave. N.E. Cor.
BM 11-26A									see F.B. 1376-27

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T-76°

SURVEY BY G. E. Dreier WEATHER Hazy Sun INST. NO. 96716

NOTES BY Maldonado DATE 10-1-71 TIME 10:40 to 10:50 ROD NO. 95496

INDEXED T. M. PALMIERI DATE 10 21 71 NOTES CHKD. [illegible] DATE 10 3 71

F.B. 2893 PG 247

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 11-26A TO BM 11-25B
BM 11-26A									BM 11-26A
1	121	899	422 5	154 88 66	215	600	516 5	249 181 68	Gladstone St. & Azusa Ave.
2	125	361	426 5	156 94 62	159	891	460 5	188 130 58	See F.B. 1376-27 N.E. Cor.
2	192	291	493 5	206 128 178 28	142	068	443 5	156 126 128 28	K-Siemann
3				156				154	
								156	
	439	551			517	559		310	
					439	551			BM 11-25B (LA C. F.C.D. BM 084-01145)
BM 11-25B					78	008			Gladstone St. & Ft. Cont. Channel N.W. Cor. bridge
									See F.B. 3710-62

T-76°

WEATHER Hazy Sun INST. NO. 96711

TIME 10:56 to 11:02 ROD NO. 85 [illegible]

NOTES CHKD [illegible] DATE [illegible]

F.B. 2893 PG. 348 JOB NO. 0301.02

SURVEY OF LA Co Precise Level Net

SURVEY BY Dreier NOTES Maldonado 10-1-71

INDEXED T. M. PALMER DATE