Ck'd by
No.
Work
Checked

Survey of L.A.Co. Precise Level Net
JN 0301.02 Tape Std °F
Surveyed by F.E. Brooks
Notes Date
Indexed H. E. On AUG 3 '60

F.B. 2447 PG. 5

J. N. 0301.02

L. A. CO. PRECISE LEVEL NET

LINE # 55 IN
CITY OF TORRANCE
&
LINES # 27 & 21

Microfilmed Jan '86

F. B. 2447 PG. 6

INDEX

B.M. descriptions	Elevations	Party
	LINE #27	
F.B. 1393 Pg 5 To Pg 70	F.B. 2446 Pg 7 To Pg 248 F.B. 2447 Pg 7 To 68	Brooks LeGault Gobel Turrill Siemann Bickslr
	CITY of TORRANCE	
	LINE #1	
F.B. 2447 Pg 80 To Pg 90	F.B. 2447 Pg 95 To Pg 180	Brooks LeGault Turrill Siemann Bickslr
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76P526-CE 379—10-57

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Chief of Party F.E. BROOKS Weather warm - sunny Inst. No. 15066
Notes by R.F. Siemann Time 09:20 - 10:30 Rod No. 31 - 32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From BM27-65 To BM27-67
Date 7 July 1960
Indexed H. E. OTT JUL 15 '60

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
	6.947		.179			5.610		.187		BM 27-65
	6.768		.181			5.423		.183		81st Ave and 80th St.
	6.587		.360			5.240		.370		set F.B. 1393-55
1.	20.302	6.767		.360	74°	16.273	5.424		.370	for description
	4.320		.188			7.657		.189		
	4.132		.187			7.468		.185		
	3.945		.375			7.283		.374		
2.	12.397	4.132		.735		22.408	7.469		.744	
	2.810		.182			9.527		.189		
	2.628		.180			9.338		.191		
	2.448		.362			9.147		.380		
3.	7.886	2.629		1.097		28.012	9.337		1.124	
	1.932		.192			8.530		.178		
	1.740		.195			8.352		.174		
	1.545		.387			8.178		.352		
4.	5.217	1.739		1.484		25.060	8.353		1.476	
	5.711		.186			4.860		.188		
	5.525		.185			4.672		.184		
	5.340		.371			4.488		.372		
5.	16.576	5.525		1.855		14.020	4.673		1.848	
	20.792					35.256				

Precise Level Line #27
Continued from F.B. 2446
F.B. 2447 P.G. 7

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. BROOKS Weather Warm - Sunny Inst. No. 15066
Notes by R.F. Siemann Time 09:20 - 10:30 Rod No. 31 - 32

Name L.A.C. Precise Level Net
Job No. 0301.02
From B.M. 27 - 65 To B.M. 27 - 67
Date 7 July 1960
Indexed H. E. OTT

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
	6.168	20.992	.187	1.855		5.229	35.256	.186	1.848	
	5.981		.188			5.043		.183		
	5.793		.375			4.860		.369		
6.	17.942	5.981		2.230		15.132	5.044		2.217	
	6.949		.184			5.477		.190		
	6.765		.184			5.287		.190		
	6.581		.368			5.097		.380		
7.	20.295	6.765		2.598		15.861	5.287		2.597	
	6.963		.184			4.350		.187		
	6.779		.188			4.163		.185		
	6.591		.372			3.978		.372		
8.	20.333	6.778		2.970		12.491	4.164		2.969	
	5.602		.151			6.920		.148		
	5.451		.148			6.772		.145		
	5.303		.299			6.627		.293		
9.	16.356	5.452		3.269		20.319	6.773		3.262	
		45.768					56.524		3269	
									6531	B.M. 27-66 Crenshaw Blvd and Manchester Blvd. See F.B. 1393-56 for description
		45.768					56.524			
							45.768			

F.B. 2447 PG. 8

76P5[illegible]-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. BROOKS Weather warm - sunny Inst. No. 15066
Notes by R.F. Siemann Time 09:20 - 10:30 Rod No. 31 - 32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From B.M. 27-65 To B.M. 27-67
Date 7 July 1960
Indexed H.E.O.

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
	6.070	45.968	.187	3.269		5.943	56.524	.185	3.262	
	5.883		.183			5.758		.188		
	5.700		.370			5.570		.373		
10	17.653	5.884		3.639		17.271	5.757		3.635	
	5.207		.188			6.629		.189		
	5.019		.190			6.440		.190		
	4.829		.378			6.250		.379		
11	15.055	5.018		4.017		19.319	6.440		4.014	
	5.371		.186			5.962		.184		
	5.185		.185			5.778		.186		
	5.000		.371			5.592		.370		
12	15.556	5.185		4.388		17.332	5.777		4.384	
	5.982		.184			5.533		.185		
	5.798		.187			5.348		.187		
	5.611		.371			5.161		.372		
13.	17.391	5.797		4.759		16.042	5.347		4.756	
	5.880		.187			4.747		.188		
	5.693		.185			4.559		.189		
	5[illegible]		.372			4.370		.377		
14.	17.081	5.694		5.131		13.676	4.559		5.133	
		73.346					84.404			

F.B. 2447 P.G. 9

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. BROOKS Weather Warm-Sunny Inst. No. 15066
Notes by R.F. Simmons Time 09:20-10:30 Rod No. 21-22

Name L.A.Co. Precise Level Net
Job No. 0301.02
From B.M.27-65 To B.M.27-67
Date 7 July 1960
Indexed H. E. Ott

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
	6.632	73.346	184	5.131		5.128	84.404	187	5.133	
	6.448		.187			4.941		188		
	6.261		371			4.753		.375		
15.	19.341	6.447		5.502		14.822	4.941		5.508	
	5.760		192			6.698		.187		
	5.568		190			6.511		.186		
	5.378		.382			6.325		.373		
16.	16.706	5.569		5.884		19.534	6.511		5.881	
	4.421		.189			6.763		183		
	4.232		185			6.580		187		
	4.047		.374			6.393		.370		
17.	12.700	4.233		6.258		19.736	6.579		6.257	
	4.328		185			7.140		188		
	4.143		.184			6.952		184		
	3.959		.369			6.768		.372		
18	12.430	4.143		6.627		20.860	6.953		6.623	
	4.290		187			6.949		187		
	4.103		186			6.762		187		
	3.917		373			6.575		374		
19	12.310	4.103		7.000		20.286	6.762		6.997	
	97.841					116.001				

F.B. 2447 P.G. 10

76P52-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. BROOKS Weather Warm-sunny Inst. No. 15066
Notes by R.F. Siemann Time 09:20 - 10:30 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0701.02
From B.M. 27-65 To B.M. 27-67
Date 7 July 1960
Indexed H. E. Ott

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
	4.641	97.841	118	7.000		6.755	116.150	120	6.997	B.M. 27-67
	4.523		115			6.635		120		Crenshaw Blvd and Arbor Vita St.
	4.408		233			6.515		240		see F.B. 1393-57
20.	13.572	4.524		7.233		19.905	6.635		7.237	for description
										Summation of Run From BM27-65 To BM27-67
										Total Backsights = + 102.365 / " Foresights = - 122.785 / diff elev. = - 20.420 /
		56.597					116.261 / 56.597 / 9.664			
		102.365 /					122.785 /			

F.B. 24447 P.G. 11

76P526-CE 379—10-57

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Chief of Party F.E. BROOKS Weather warm-sunny Inst. No. 15066
Notes by R.F. Siemann Time 10:30-11:55 Rod No. 31-32

Name L.A.Co. Precise Level Net
Job No. 0701.02
From B.M. 27-67 To B.M. 27-65
Date 7 July 1960
Indexed H.E. OTT

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
	6.657		.120			4.541		.116		B.M. 27-67
	6.537		.120			4.425		.115		Crenshaw Blvd and Arbor Vita St.
	6.417		.240			4.310		.231		See F.B. 1393-57
1.	19.611	6.537		.240	76°	13.276	4.425		231	for description
	6.860		188			4.200		.187		
	6.672		187			4.013		.184		π Turrill
	6.485		375			3.829		371		
2	20.017	6.672		.615		12.042	4.014		.602	
	7.042		184			4.230		187		
	6.858		.188			4.043		.185		
	6.670		372			3.858		.372		
3	20.570	6.857		.987		12.131	4.044		.974	
	6.710		185			4.368		187		
	6.525		183			4.181		188		
	6.342		368			3.993		.375		
4.	19.577	6.526		1.355		12.542	4.181		1.349	
	6.597		188			5.658		193		
	6.409		186			5.465		193		
	6.223		374			5.272		.386		
5	19.229	6.410		1.729		16.395	5.465		1.735	
	33.002					[illegible]				

F.B. 2447 P.G. 12

76PS-6-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. BROOKS Weather warm - sunny Inst. No. 15066
Notes by R.F. Siemann Time 10:30 - 11:55 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301 08
From B.M. 27-67 To B.M. 27-65
Date 7 July 1960
Indexed H. E. OTT

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
	5.042	33.002	189	1.729		6.545	22.129	187	1.735	
	4.853		185			6.358		188		
	4.668		374			6.170		375		
6	14.563	4.854		2.103		19.073	6.358		2.110	
	5.143		188			6.278		190		
	4.955		186			6.088		186		
	4.769		374			5.902		376		
7	14.867	4.956		2.477		18.268	6.089		2.486	
	5.299		190			5.748		186		
	5.109		186			5.562		184		
	4.923		376			5.378		370		
8	15.331	5.110		2.853		16.688	5.563		2.856	
	5.870		185			5.270		180		
	5.685		185			5.090		183		
	5.500		370			4.907		363		
9	17.055	5.685		3.223		15.267	5.089		3.219	
	6.503		191			5.081		189		
	6.312		189			4.892		187		
	6.123		380			4.705		376		
10	18.938	6.313		3.603		14.678	4.893		3.595	
		59.920					50.121			

F.B. 7447 P.G. 13

76P526-CE 379—10-57

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Chief of Party F. E. BROOKS Weather warm - sunny Inst. No. 15066
Notes by R. F. Siemann Time 10:30 - 11:55 Rod No. 21 - 22

Name L. A. Co. Precise Level Net
Job No. 0301.02
From B.M. 27-67 To B.M. 27-65
Date 7 July 1960
Indexed H. E. Ott

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
	5.878	59.920	187	3.603		6.003	50.121	186	3.595	
	5.691		183			5.817		187		
	5.508		370			5.630		373		
11	17.077	5.692		3.973		17.450	5.817		3.968	
		65.612					55.938		3973	BM 27-66
		55.938							7941	Crenshaw Blvd and Manchester Blvd
		9.674								See F.B. B93-56 for description
	6.888		147			5.568		148		
	6.741		148			5.420		150		
	6.593		295			5.270		298		
12	20.222	6.741		4.268		16.258	5.419		4.266	
	4.270		187			6.883		186		
	4.083		186			6.697		187		
	3.897		373			6.510		373		
F.B. 2417 PG. 84 13	12.250	4.083		4.641		20.090	6.697		4.639	
	5.482		189			6.957		188		
	5.293		188			6.769		184		
	5.105		377			6.585		372		
14	15.880	5.293		5.018		20.311	6.770		5.011	
		81.729					74.524			

76P5-26-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. BROOKS Weather warm - sunny Inst. No. 15066
Notes by R. F. Siemann Time 10:30 - 11:55 Rod No. 31 - 32

Name L.A. Co. Precise Level Net
Job No. 07 01 02
From B.M. 27-67 To B.M. 27-65
Date 7 July 1960
Indexed H. E. OTT

Number or 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
	5.262	81.729	184	5.018		6.200	74.824	187	5.011	
	5.078		188			6.013		185		
	4.890		372			5.828		372		
15	15.230	5.077		5.390		18.041	6.014		5.383	
	5.560		185			6.410		187		
	5.372		185			6.223		183		
	5.187		373			6.040		370		
16	16.119	5.373		5.763		18.673	6.224		5.753	
	8.040		188			1.428		186		
	7.852		184			1.242		184		
	7.668		372			1.058		370		
17	23.560	7.853		6.135		3.728	1.243		6.123	
	9.355		185			2.650		187		
	9.170		185			2.463		185		
	8.985		370			2.278		372		
18	29.510	9.170		6.505		7.391	2.464		6.495	
	7.650		183			4.312		184		
	7.467		186			4.128		186		
	7.281		369			3.942		370		
19	22.398	7.466		6.874		12.382	4.127		6.865	
		116.668					94.896			

F.B. 24447 P.G. 26

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Chief of Party E.E. BROOKS Weather Warm - Sunny Inst. No. 15066
Notes by R.F. Siemann Time 10:30 - 11:55 Rod No. 21-32

Name A.Co. Precise Level Net
Job No. 0201 02
From B.M. 27-67 To B.M. 27-65
Date 7 July 1960
Indexed H.E. OTT

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
	5.375	116.668	187	6.874		6.713	94.896	186	6.865	
	5.188		184			6.527		187		
	5.004		371			6.340		373		
20.	15.567	5.189		7.245		19.580	6.527		7.238	
										BM 27-65 8th Ave and 81st St set F.B. 1393-55 for description
106.										Summation of Run From BM 27-67 To BM 27-65
F.B. 2447 P.G.		56.245 + 45.485 = 101.760					45.485			Total Backsights = + 121.857 " Foresights = - 101.423 diff elev. = 20.434
		121.857					101.423			

76P 26-CE 379—10-57

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Chief of Party F. E. BROOKS Weather SUNNY & CLEAR Inst. No. 15066
Notes by A. L. G. Time 13:05 TO 13:50 Rod No. 31 & 32

Name L.A. CO. PRECISE LEVEL NET
Job No. 0301.02
From BM 27-67 To BM 27-68
Date 7 JULY 1960
Indexed H. E. OTT

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	5510		182			6837		188		BM 27-67
	5328		186			6649		187		Crenshaw Blvd and Arbor Vita St.
	5142		368			6462		375		See F.B. 1393-57
	15980	5327		368	80°	19948	6649		375	for description
2	4508		183			6748		188		
	4325		183			6560		190		
	4142		366			6370		378		
	12975	4325		734		19678	6559		753	
3	4399		189			7259		189		
	4210		186			7070		187		
	4024		375			6883		376		
	12633	4211		1109		21212	7071		1129	
4	3928		187			7162		184		
	3741		185			6978		187		
	3556		372			6791		371		
	11225	3742		1481		20931	6977		1500	
5	4017		187			7208		187		
	3830		185			7021		185		
	3645		372			6836		372		
	11492	3831		1853		21065	7022		1872	
		21436					34278			

F.B. 27447 P.9 11

76P526-CE 379—10-57

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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 SUNNY & WARM Inst. No. 15066
Notes by A. L. G Time 13:05 TO 13:55 Rod No. 31 & 32

Name L.A.Co PRECISE LEVEL NET
Job No. 0301.02
From BM 27-67 To BM 27-68
Date 7 JULY 1960
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals 1853	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals 1872	DESCRIPTION AND REMARKS
6	4435	21.430	190			7630	34.278	183		
	4245		191			7447		184		
	4054		382			7263		367		
	12734	4245		2235		22340	7447		2239	
7	1394		185			9778		188		
	1209		187			9590		185		
	1022		372			9405		373		
	3625	1208		2607		28773	9591		2612	
8	3159		189			8238		189		
	2970		185			8049		186		
	2785		374			7863		375		
	8914	2971		2981		24150	8050		2987	
9 (F.B. 2447 PG. 18)	4390		095			5802		097		
	4295		095			5705		097		
	4200		190			5608		194		
	12885	4295		3171		17115	5705		3181	
10	9018		187			6519		188		
	8831		183			6331		188		
	8648		370			6143		376		
	25497	8832		3541		18993	6331		3557	
		42.987					71.402			

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. BROOKS Weather SUNNY & CLEAR Inst. No. 15066
Notes by A. L. G Time 13:05 To 13:50 Rod No. 31832

Name L.A. CO PRECISE LEVEL NET
Job No. 0301.02
From BM 27-67 To BM 27-68
Date 7 JULY 1960
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals 3541	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals 3557	DESCRIPTION AND REMARKS
	0699	42.087	179			9508	71.402	173		BM 27-68
	0520		177			9335		172		Crenshaw Blvd and Century Blvd.
	0343		356			9163		345		see F.B. 1393-58
	1562	0521		3897		28006	9335		3902	for description
									3897 / 7799	
										Summation of Run From BM 27-67 To BM 27-68
										Total Backsights = + 43.508 '
										" Foresights = - 80.737 '
										diff elev. = - 37.229 '
										F.B. 2447 P.G. 3/19
		43.508					80.737			= - 37.229

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. BR[illegible] Weather Cool [illegible] Inst. No. 15066
Notes by A L G Time 8:45 To 9:35 Rod No. 31 & 32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From BM27-68 To BM27-67
Date 8 July 1960
Indexed H. E. OTT

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	9768		177			0951		173		BM 27-68
	9591		173			0778		176		Crenshaw Blvd and Century Blvd
	9418		350			0602		349		See F.B. 1393-58
	28777	9592		350	76°	2331	3777		349	for description
2	6441		189			8938		186		
	6252		185			8752		184		⊼ R.F. Siemann
	6067		374			8568		370		
	18760	6253		724		26258	8753		719	
3	5927		098			4511		094		
	5829		098			4417		096		
	5731		196			4321		190		
	17487	5829		920		13249	4416		909	
4	8288		188			3209		186		
	8100		188			3023		185		
	7912		376			2838		371		
	24300	8100		1296		9070	3023		1280	
5	9715		186			1332		184		
	9529		186			1148		187		
	9343		372			0961		371		
	28587	9529		1668		3441	1147		1651	
		39.303					18.116			

F.B. 2447 P.G. 20

76P226-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. BROOKS Weather COOL & CLOUDY Inst. No. 15066
Notes by A.L.G. Time 8:45 To 9:35 Rod No. 31632

Name L.A. CO. PRECISE LEVEL NET
Job No. 0301.02
From BM 27-68 To BM 27-67
Date 8 JULY 1960
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean 39.303	Thread Intervals	Sum of Intervals 1668	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean 18.116	Thread Intervals	Sum of Intervals 1651	DESCRIPTION AND REMARKS
6	7690		187			4490		191		
	7503		185			4299		194		
	7318		372			4105		385		
	22511	7504		2040		12894	4298		2036	
7	7211		186			4019		188		
	7025		187			3831		184		
	6838		373			3647		372		
	21074	7025		2413		11497	3.832		2408	
8	7341		188			4162		184		
	7153		184			3918		187		
	6969		372			3731		371		
	21463	7154		2785		11751	3.917		2779	
9	7392		186			4531		184		
	7206		184			4347		186		
	7022		370			4161		370		
	21620	7207		3155		13039	4.346		3149	
10	6898		187			4662		184		
	6711		184			4478		188		
	6527		371			4290		372		
	20136	6.712		3526		13430	4.477		3521	
		74.905					38.986			

F.B. 2447 P.G. 21

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Cool - Cloudy Inst. No. 15966
Notes by A. Gobel Time 8:45 TO 9:3[illegible] Rod No. 31-32

Name L.A.C. Precise Level Net
Job No. 0301.02
From BM 27-58 To BM 27-57
Date 8 July 1960
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean 74.905	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals 3526	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean 36.186	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals 3521	DESCRIPTION AND REMARKS
11	6327		186			5603		184		BM 27-57
	6741		188			5419		184		Crenshaw Blvd and Arlington Vista St.
	6553		374			5235		368		See F.B. 1393-57
	20221	6.740		3900		16257	5.419		3889	for description
										Summation of Run From BM 27-58 To BM 27-57
										Total Backsights = + 81.645' " Fore sights = - 44.405 diff. elev. = + 37.240
	81.645					44.405				

F.B. 2447 P.G. 22

= + 37.240

76P126-CE 379--10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. BROOKS Weather SUNNY & CLEAR Inst. No. 15066
Notes by A. L. G Time 9:45 TO 11:25 Rod No. 31 & 32

Name L.A. CO PRECISE LEVEL NET
Job No. 0301.02
From BM 27-68 To BM 27-70A
Date 8 July 1960
Indexed H. E. OTT

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	2662		107			11410		115		BM 27-68
	2555		106			11295		113		Crenshaw Blvd and Century Blvd
	2499		213			11182		228		See F.B. 1393-58
	7666	2555		213	78°	33887	11296		228	for description
2	2230		089			8965		095		⊼ R. TURRILL
	2141		090			8870		097		
	2051		179			8773		192		
	6422	2.141		392		26608	8.869		420	
3	2287		100			8243		085		
	2187		100			8158		086		
	2087		200			8072		171		
	6561	2.187		592		24473	8.158		591	
4	1140		188			8748		185		
	0952		184			8563		183		
	0768		372			8380		368		
	2.860	0.953		964		25.691	8.564		959	
5	3150		183			8288		185		
	2967		185			8103		183		
	2782		368			7920		368		
	8.899	2.966		1332		24.311	8.104		1327	
		10.802					44.991			

F.B. 2447 P.G. 23

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 & SUNNY Inst. No. 15066
Notes by A. L. G Time 9:45 TO 11:25 Rod No. 31632

Name L.A. CO. PRECISE LEVEL NET
Job No. 0301.02
From BM 27-68 To BM 27-70 A
Date 8 JULY 1960
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean 10.802	Thread Intervals	Sum of Intervals 1332	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean 4.991	Thread Intervals	Sum of Intervals 1327	DESCRIPTION AND REMARKS
6	3122		184			8523		183		
	2938		186			8340		185		
	2752		370			8155		368		
	8812	2.937		1702		25018	8.339		1695	
7	3623		186			8508		185		
	3437		188			8323		185		
	3249		374			8138		370		
	10309	3.436		2076		24969	8.323		2065	
8	2752		184			8122		185		
	2568		185			7937		186		
	2383		369			7751		371		
	7703	2.568		2445		23810	7.937		2436	
9	3460		186			7901		185		
	3274		186			7716		186		
	3088		372			7530		371		
	9.822	3.274		2817		23.147	7.716		2807	
10	3545		184			7802		184		
	3361		182			7618		187		
	3179		366			7431		371		
	10.085	3.362		3183		22.851	7.617		3178	
	26.379					84.923				

F.B. 2447 P.G. 24

2

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. BROOKS Weather SUNNY & CLEAR Inst. No. 15066
Notes by A. L. G Time 9:45 TO 11:25 Rod No. 31 & 32

Name L.A. CO PRECISE LEVEL NET
Job No. 0301.02
From BM 27-68 To BM 27-70A
Date 8 July 1963
Indexed H. E. OTT

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
		26.379		3183			84.923		3178	
11	3569		187			7660		184		
	3382		183			7476		186		
	3199		370			7290		370		
	10150	3383		3553		22426	7475		3548	
12	4160		187			7950		187		
	3973		183			7763		188		
	3790		370			7575		375		
	11923	3974		3923		23288	7763		3923	
13	2544		189			6760		187		
	2355		188			6573		183		
	2167		377			6390		370		
	7066	2355		4300		19723	6574		4293	
14	2830		208			8327		205		
	2622		209			8122		211		
	2413		417			7911		416		
	7865	2622		4717		24.370	8.123		4709	
		38.713					114.858		4717	BM 27-69A
							4		9426	Crenshaw Blvd and 109 Th St. see F.B. 1393-69 for description
		38.713			114854		114.858			
					38.713		4			
					76,141					

F.B. 2449 P.G. 25

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. BROOKS Weather SUNNY & COOL Inst. No. 15066
Notes by A. L. G Time 9:45 TO 11:25 Rod No. 31 & 32

Name LACO PRECISE LEVEL NET
Job No. 0301.02
From BM 27-68 To BM 27-70A
Date 8 JULY 1960
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean 38.713	Thread Intervals	Sum of Intervals 4717	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean 114.859	Thread Intervals	Sum of Intervals 4709	DESCRIPTION AND REMARKS
	5392		133			6651	4	130		
15	5259		134			6521		133		
	5125		277			6388		263		
	15776	5260		4994		19560	6520		4972	
	5368		201			7569		198		
16	5167		200			7371		199		
	4967		401			7172		397		
	15502	5167		5395		22112	7371		5369	
	4427		186			7302		185		
17	4241		186			7117		187		
	4055		372			6930		372		
	12723	4241		5767		21349	7116		5741	
	5062		189			8009		189		
18	4873		188			7820		189		
	4685		377			7631		378		
	14620	4873		6144		23460	7820		6119	
	4728		190			4462		190		
19	4538		188			4272		186		
	4350		318			4086		376		
	13616	4539		6522		12820	4273		6495	
	62.793					~~60.958~~ 127.954				

F.B. 2447 PG. 26

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 - sunny Inst. No. 15066
Notes by A. Gobel Time 9:45 TO 11.25 Rod No. 31-32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From BM27-68 To BM27-70A
Date 8 July 1960
Indexed H. E. OTT

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
		62.793		6522			~~154.958~~		6495	
20	5572		188			4917	147.954	185		
	5384		186			4732		183		
	5198		374			4549		368		
	16.154	5.385		6896		14.198	4.733		6863	
21	4105		223			7865		223		
	3882		222			7642		220		
	3665		445			7422		443		
	11.647	3.882		7341		22.929	7.643		7306	
		~~9.267~~ 33.347				45.476 ~~45.476~~ 33.347 ~~9.267~~ 12.129 ~~36.209~~			7341 14647	BM 27-70A Crenshaw Blvd and 113th st. see F.B. 1393-70 for description
										Summation of Run From BM 27-68 To BM27-70A
										Total Back sights = + 72.060 " Foresights = - 160.334 diff. elev = + 88.274
		72.060					160.334			

F.B. 2447 P.G. 27

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 & [illegible] Inst. No. 15066
Notes by A L G Time 11:30 To 14:10 Rod No. 31 & 32

Name L.A. Co. PRECISE LEVEL NET
Job No. 0301.02
From BM 27-70A To BM 27-68
Date 8 JULY 1960
Indexed H. E. OTT

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	7761		223			3998		225		BM 27-70A
	7538		225			3773		221		Crenshaw Blvd and 113th st.
	7313		448			3552		446		See F.B. 1393-76
	22612	7.537		448		11323	3.774		446	for description
2	5063		185			5718		188		T. R. TURRILL
	4878		186			5530		188		
	4692		371			5342		376		
	14633	4.878		819		16,590	5530		822	
3	4350		187			4612		187		
	4163		186			4425		184		
	3977		373			4241		371		
	12490	4.163		1192		13.278	4.426		1193	
4	8010		190			5060		188		
	7820		190			4872		185		
	7630		380			4687		373		
	23460	7.820		1572		14.619	4.873		1566	
5	7341		184			4467		189		
	7157		188			4278		188		
	6969		372			4090		377		
	21.467	7.156		1944		12.835	4.278		1943	
		31.554					20.581			

F.B. 2447 PG. 28

76P126-CE 379--10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. BROOKS Weather SUNNY & CLEAR Inst. No. 15066
Notes by A. L. G. Time 11:30 To 14:10 Rod No. 31 & 32

Name L. A. Co PRECISE LEVEL NET
Job No. 0301.02
From BM 27-70A To BM 27-68
Date 8 JULY 1960
Indexed H. E. OTT

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
		31.554		1944			22.881		1943	
6	7393		195			5193		202		
	7198		198			4991		201		
	7000		393			4790		403		
	21591	7197		2337		14974	4991		2346	
7	6672		131			5412		132		
	6541		131			5280		134		
	6410		262			5146		266		
	19623	6541		2599		15838	5279		2612	
		45.292					33.151			BM 27-69A
		33.151								Crenshaw Blvd and 109th St.
		12.141								See F.B. 1393-69
										for description
8	8630		225			3122		215		1 hr Lunch
	8405		225			2907		217		
	8180		450			2690		432		
	25215	8405		3049		8719	2906		3044	
9	7241		189			3019		187		
	7052		185			2832		185		
	6867		374			2647		372		
	21160	7053		3423		8498	2833		3416	
		60.756					38.890			

F.B. 7447 P.G. 29

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 & S... Inst. No. 15066
Notes by A. L. G Time 11:30 70 14:10 Rod No. 31 & 32

Name L.A. CO PRECISE LEVEL NET
Job No. 0301.02
From BM 27-70A To BM 27-68
Date 8 JULY 1960
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean 60.750	Thread Intervals	Sum of Intervals 3423	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean 28.890	Thread Intervals	Sum of Intervals 3416	DESCRIPTION AND REMARKS
10	7882		189			4085		182		
	7693		185			3903		182		
	7508		374			3721		364		
	23083	7.694		3797		11.709	3.903		3788	
11	7492		184			3402		189		
	7308		185			3213		185		
	7123		369			3028		374		
	21923	7.308		4166		9.643	3.214		4154	
12	7698		187			3440		187		
	7511		183			3253		183		
	7328		370			3070		370		
	22537	7.512		4536		9.763	3.254		4524	
13	7868		185			3428		186		
	7683		183			3242		189		
	7500		368			3053		375		
	23051	7.684		4904		9.723	3.241		4899	
14	8125		185			2753		185		
	7940		187			2568		183		
	7753		372			2385		368		
	23818	7.939		5276		7.706	2.569		5267	
		98.887	✓	✓			55.071	✓	✓	

F.B. 9447 P.G. 30

76P 26-CE 379—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 & SUNNY Inst. No. 15066
Notes by A. L. G. Time 11:30 To 14:10 Rod No. 31 & 32

Name L.A. Co. PRECISE
Job No. 0301.02
From BM 27-70A To BM 27-68
Date 8 JULY 1960
Indexed H. E. OH

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
				5276					5267	
15	8526	98.687	186			3635	55.071	185		
	8340		188			3450		184		
	8152		374			3266		369		
	25018	8.339		5650		10351	3.450		5636	
16	8455		185			3049		185		
	8270		182			2864		182		
	8088		367			2682		367		
	24813	8.271		6017		8595	2.865		6003	
17	8242		184			3102		183		
	8058		187			2919		187		
	7871		371			2732		370		
	24171	8.057		6388		8.753	2.918		6373	
18	8789		185			1181		188		
	8604		184			0993		185		
	8420		369			0808		373		
	25813	8.604		6757		2.982	0.994		6746	
19	8611		098			2630		087		
	8513		095			2543		089		
	8418		193			2454		176		
	25542	8.514		6950		7.627	2.542		6922	
	140.672					67.840				

F.B. 24447 P.G. 31

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny & Clear Inst. No. 15066
Notes by ALG. Time 11:30 To 14 Rod No. 31 & 32

Name LA Co Precise Level Net
Job No. 0301.02
From BM 27-70A To BM 27-68
Date 8 July 1960
Indexed H. E. Ott

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
				6950					6922	
20	8843	140.692	095			2108	6.840	091		
	8748		095			2017		090		
	8653		190			1927		181		
	26.244	8.748		7140		6.052	2.017		7103	
21	10762		108			1967		113		BM 27-68
	10594		107			1854		111		Crenshaw Blvd and Century Blvd.
	10487		215			1743		224		See F.B. 1393 -
	31.783	10.594		7355		5.564	1.855		7327	for description
										Summation of Run
										From BM 27-70A
										To BM 27-68
		114.722					38.561			Total Back sights = + 160.014
		38.561								" Fore sights = - 71.712
		76.161								diff. elev. = +88.302
	160.014					71.712				

F.B. 31 PG. 32

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 T.A.B. Time 0920-10:50 Rod No. 31-32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From BM27-7DA To BM27-68
Date 11 July 1960
Indexed B. E. Ott

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	7413 7190 6968 21571	7190	223 222 445	445	76°	3648 3425 3203 10276	3425	223 222 445	445	BM27-70A Crenshaw Blvd and 113th St. See F.B. 1393-70 for description
2	5583 4900 4714 14697	4899	183 186 369	814		5742 5553 5367 16662	5554	189 186 375	820	π R TURRILL
3	[illegible] [illegible] [illegible] [illegible]	4264	188 185 373	1187		[illegible] 4525 4340 13576	[illegible]	185 185 [illegible]	191	
4	78[illegible] [illegible] 7453 [illegible]	1642	[illegible]	[illegible]		[illegible] [illegible] [illegible] 14070	[illegible]	188 189 [illegible]	1505	
5	7329 7143 [illegible] 21432	7144	186 183 373	1943		4450 4263 4077 12790	4263	187 186 373	1941	

31.139 ✓ ✓ 22.464 ✓ ✓

F.B. 2447 P.G. 33

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. BROOKS Weather [illegible] Inst. No. 15066
Notes by T. A. B. Time 0920-10:00 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 030102
From BM 27-70A To BM 27-68
Date 11 JULY 1960
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean 31.139	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean 22.464	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	6695 6509 6322 19526	6509	186 187 373	1943 2316		4492 4306 4121 12919	4306	186 185 371	1943 2312	T R TURRILL
7	6723 6591 6461 19775	6592	132 130 262	[illegible]		5461 5328 5195 [illegible]	[illegible]	133 133 266	2578	
		44.240 32.098 12.142					32.098			[illegible] Crenshaw Blvd and 109th St. See F.B. 1393-69 for description
8	8371 8163 7952 24485	8162	21 [illegible]	2996		[illegible] [illegible] [illegible] 7981	[illegible]	237 [illegible] [illegible]	[illegible]	
9	7377 7190 7005 21572	7.191	187 185 372	3368		3156 2[illegible] 2785 8[illegible]	2[illegible]10	187 184 371	[illegible]	
		59.593					37.728			

F.B. 2447 P.G. 34

76P526-CE 379—10-57

PLEASE RETURN TO
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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. BROOKS Weather CLEAR Inst. No. 15066
Notes by T.A.B. Time 0920-10:50 Rod No. 31-32

Name [illegible] Level No. [illegible]
Job No. 030102
From BM 27-70A To BM 27-68
Date 1 July 1960
Indexed H. E. Ott

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
		59.593					37728			
10	7960 7772 7587 23319	7773	188 185 373	3368 3741		[illegible] [illegible] [illegible] 11945	3982	185 183 368	3365 [illegible]	T. R. TURRILL
11	7580 7392 7207 22179	[illegible]	188 185 373	4114		3485 3300 3113 9898	3299	185 187 372	[illegible]	
12	[illegible]19 7632 7448 22899	[illegible]	187 184 [illegible]	[illegible]85		[illegible] [illegible] [illegible] 10123	3374	187 183 370	[illegible]75	
13	7923 [illegible] [illegible] 23216	[illegible]	183 187 370	[illegible]		3485 3299 3110 [illegible]94	3298	186 189 375	4850	
14	8037 7870 7684 23[illegible]	7873	187 186 373	5228		[illegible] [illegible] [illegible] 7501	2500	185 184 369	5219	

98.001
~~97.979~~

54.181
3

F.B. 2447 P.G. 35

76P526-CE 379—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. [illegible] Weather [illegible] Inst. No. 15066
Notes by [illegible] Time 0920-10:00 Rod No. 31-32

Name [illegible]
Job No. 03D102
From [illegible] To BM 27-68
Date 11 July 1960
Indexed H. E. OTT

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
15	[illegible]	98.001	[illegible]	[illegible]		3702	54.181	[illegible]	[illegible]	
	[illegible]		[illegible]			[illegible]		[illegible]		
	[illegible]		[illegible]			[illegible]		[illegible]		TK TORRILL
	25235	8412		5654		10572	[illegible]		[illegible]	
16	8480		[illegible]			[illegible]		183		
	8294		[illegible]			2887		185		
	8110		370			2702		368		
	24884	8295		5974		8659	[illegible]		5954	
17	8228		[illegible]			3090		183		
	8042		[illegible]			[illegible]		185		
	[illegible]		365			[illegible]		[illegible]		
	[illegible]	[illegible]		[illegible]		[illegible]	[illegible]		[illegible]	
18	8787		[illegible]			[illegible]		184		
	8602		[illegible]			[illegible]		[illegible]		
	8413		374			0807		365		
	25802	[illegible]		[illegible]		2967	[illegible]		[illegible]	
19	8684		[illegible]			2697		[illegible]		
	8583		101			2613		[illegible]		
	8482		202			2528		169		
	[illegible]	[illegible]		[illegible]		7838	[illegible]		[illegible]	

139.935 / 67.099 OK

F.B. 2447 P.G. 36

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. BROOKS Weather CLEAR Inst. No. 15066
Notes by T.A.B. Time 0920-10:50 Rod No. 31-32

Name L.A. Co. Preuschenck Net
Job No. 030102
From BM 27-70A To BM 27-68
Date 11 JULY 1960
Indexed H. E. OTB

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	8457 8373 8292 25122	139.935 8374	084 081 165	7083		1744 1642 1541 4927	67.099 1642	102 101 203	6856 7059	T. R. TURRILL
21	10387 10295 10205 30887	10296	092 090 182	7265		1683 1553 1426 4662	1554	130 127 257	7316	BM 27-68 Crenshaw Blvd and Century Blvd. See F. B. 1393-58 for description
										Summation of Run From BM 27-70A To BM 27-68
		114.365 38.197 76.168					38.197			Total Back sights = + 158.605 " Foresights = - 70.295 diff elev. = + 88.310
		158.605					70.295			

F.B. 2447 P.O. 37

76P526-CE 379—10-57

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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.....

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. 2447 P.G. 39

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. BROOKS Weather SUNNY & CLEAR Inst. No. 15066
Notes by A. L. G. Time 14:20 TO 15:00 Rod No. 31832

Name L.A. Co PRECISE LEVEL NET
Job No. 0301.02
From BM 27-70A To BM 27-71
Date 8 JULY 1960
Indexed H. E. on

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	6295 6110 5924	6110	185 186 371	371	80°	6329 6145 5958	6144	184 187 371	371	BM 27-70A Crenshaw Blvd and 113th St. See F.B. 1393-70 for description
2	4002 3815 3628	3815	187 187 374	745		5879 5795 5609	5794	184 186 370	741	T. A. BICKSLER
3	4588 4401 4215	4401	187 186 373	1118		6882 6698 6510	6697	184 188 372	1113	
4	4790 4605 4420	4605	185 185 370	1488		6742 6558 6372	6557	184 186 370	1483	
5	4868 4682 4495	4682	186 187 373	1861		7208 7022 6838	7023	186 184 370	1853	
		23,613					32215			

F.B. 24447 P.G. 32

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. BROOKS Weather SUNNY & [illegible] Inst. No. 15066
Notes by A. L. G. Time 14.20 10 15[illegible] Rod No. 31 & 32

Name L.A. Co PRECISE LEVEL NET
Job No. 0301.02
From BM 27-70 A To BM 27-71
Date 8 JULY 1960
Indexed H. E. OTT

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
		23613		1861			32215		1853	
6	5234		186			7655		186		
	5048		187			7469		188		
	4861		373			7281		374		
	15143	5048		2234		22405	7468		2227	
7	5360		188			7475		185		
	5172		184			7290		185		
	4988		372			7105		370		
	15520	5173		2606		21870	7290		2597	
8	5362		187			7409		188		
	5115		187			7221		186		
	4928		374			7035		374		
	15345	5115		2980		21665	7222		2371	
9	4872		184			6650		185		
	4688		188			6465		185		
	4500		372			6280		370		
	14060	4687		3352		19395	[illegible]65		3341	
10	5923		187			7371		190		
	5736		187			7181		190		
	5549		374			6991		380		
	17208	5736		3726		21543	7181		3721	
		49372					~~67844~~			
							67,838			

F.B. 2447 P.G. 40

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. BROOKS Weather SUNNY & CLEAR Inst. No. 15066
Notes by A. L. G. Time 1420 To 1510 Rod No. 31 & 32

Name L.A. Co PRECISE LEVEL NET
Job No. 0301 02
From BM 27-70A To BM 27-71
Date 8 JULY 1960
Indexed H. E. OM

Number of Station	BACKSIGHT Thread Readings	Mean 49 372	Thread Intervals	Sum of Intervals 3726	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean 67,284	Thread Intervals	Sum of Intervals 3721	DESCRIPTION AND REMARKS
11	4468		190			6409	67,838	173		
	4278		190			6236		175		
	4088		380			606		348		
	12834	4278		4106		18706	6235		4069	
12	5555		130			6530		140		
	5425		130			6390		140		
	5295		260			6250		280		
	16275	5425		4366		19170	6390		4349	
										BM 27-71 (F.A.B.M. 114-51) Dominguez Channel and Crenshaw Blvd See F.B. 1393-61 for description
										Summation of Run From BM 27-70A To BM 27-71
										Total Backsights = + 59.075 + Foresights = − 80.463 diff. elev. = − 21.388

59075 ✓ ~~80466~~ ✓ 80,463 = 21,388

F.B. 24447 PG. 41

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 Sunny; clear Inst. No. 15066
Notes by R. Turrill Time 08:40-09:12 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 27-71 To BM 27-70A
Date 7-11-60
Indexed H.E. Ott

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	6450 6312 6178		138 134 272			5482 5345 5210		137 135 272		B.M. 27-71 (F.C. BM 114-51) Dominguez Channel and Crenshaw Blvd See F.B. 1393-61 for description
	18940	6313		272	72°	16037	5346		272	
2	7174 6989 6801		185 188 373			5719 5530 5342		189 188 377		T. T. Brickler
	20964	6988		645		16591	5530		649	
3	7779 7589 7401		190 188 378			5829 5644 5458		185 186 371		
	22769	7590		1023		16931	5644		1020	
F.B. 2447 P.G. 12 4	7684 7499 7310		185 189 374			5909 5721 5532		188 189 377		
	22493	7498		1397		17162	5721		1397	
5	7470 7285 7100		185 185 370			5361 5175 4989		186 186 372		
	21855	7285		1767		15525	5175		1769	
		35.674					27.416			

76P 26-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 Sunny - clear Inst. No. 150.66
Notes by R. Turrill Time 08:40 - 09:17 Rod No. 31.32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 27-71 To B.M. 27-70A
Date 7-11-60
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean 35.674	Thread Intervals	Sum of Intervals 1767	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean 27.416	Thread Intervals	Sum of Intervals 1769	DESCRIPTION AND REMARKS
6	7692		184			5580		188		
	7508		186			5392		187		
	7322		370			5205		375		
	22.522	7.507		2137		16.177	5.392		2144	
7	7695		187			5271		187		
	7508		187			5084		185		
	7321		374			4899		372		
	22.524	7.508		2511		15.254	5.085		2516	
8	7175		187			4832		184		
	6988		186			4648		188		
	6802		373			4460		372		
	20.965	6.988		2884		13.940	4.647		2888	
9	6780		185			4828		186		
	6595		185			4642		190		
	6410		370			4452		376		
	19.785	6.595		3254		13.922	4.641		3264	
10	6780		189			4485		186		
	6591		186			4299		189		
	6405		375			4110		375		
	19.776	6.592		3629		12.894	4.298		3639	
	70.864					51.479				

F.B. 24427 P.G. 43

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny - clear Inst. No. 15066
Notes by R. Turrill Time 08:40 - 09:17 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 27-71 To B.M. 27-70A
Date 7-11-60
Indexed H. E. Oil

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
		70.864		3629			51.479		3639	
11	5931 5748 5562 17241	5.747	183 186 379	4008		3951 3767 3580 11298	3.766	184 187 371	4010	
12	6330 6143 5958 18431	6.144	187 185 372	4380		6295 6109 5923 18327	6.109	186 186 372	4382	
									4380 8762	B.M. 27-70A Crenshaw Blvd and 113th St. See F.B. 1393-70 for description
										Summation of Run From BM27-71 To BM 27-70A
										Total Backsights = + 82.755 " Foresights = − 61.354 diffelev. = + 21.401

F.B. 2447 PG. 42

82.755 +21.401 61.354

76P 26-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 Sunny - clear Inst. No. 15066
Notes by R. Turrill Time 11:05 - 12:00 Rod No. 31-32

Name LA Co. Precise Level Net
Job No. 0301.02
From BM 27-71 To BM 27-75A
Date 7-11-60
Indexed H. E. Ott

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
	4951		153			5237		156		B.M. 27-71 (F.C. BM 114-51)
	4798		153			5081		158		Dominguez Channel and
	4645		306			4923		314		Crenshaw Blvd. see F.B. 1393-61
	14394	4798		306	82°	15241	5080		314	for description
		4.798					5.080		306	B.M. 27-72 (F.C. BM 114-204)
							4798			Crenshaw Blvd and 120th st.
							.282		620	see F.B. 1393-61
										for description
	6038		182			6030		187		π D. Le Gault
	5856		185			5843		186		
2	5671		367			5657		373		
	17565	5855		673		17530	5843		687	
	4683		184			6701		184		
	4499		186			6517		186		
3	4313		370			6331		370		
	13495	4498		1043		19549	6516		1057	
	5916		186			5655		184		
	5730		188			5471		186		
4	5542		374			5285		370		
	17188	5729		1417		16411	5470		1427	
		20.880					22.909			

F.B. 2447 P.G. 45

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny - Cloudy Inst. No. 15066
Notes by R. Turrill Time 11:45 - 12:00 Rod No. 31 32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 27-71 To B.M. 27-75A
Date 7-11-60
Indexed H. E. Ott

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
				1417					1427	
5	4862	20.880	185			7212	22.909	182		
	4677		186			7030		181		
	4491		371			6849		363		
	14030	4677		1788		21091	[illegible]		1790	
6	4862		182			5471		184		
	4680		183			5287		184		
	4497		365			5103		368		
	14039	4680		2153		15861	[illegible]87		2158	
7	5137		186			5242		185		
	4951		184			5057		186		
	4767		370			4871		371		
	14855	4952		2523		15170	[illegible]57		2529	
2 8	5540		057			5389		049		
	5483		055			5340		050		
	5428		112			5290		099		
	16451	5484		2635		16019	5340		2628	
		40.6731							2635	B.M. 27-73 (L.A.Co. Rd. Dept. BM 157, F.C. 114-157A) Crenshaw Blvd and P.E.R.R. see F.B. 1393-62 for description
									5263	

F.B. 2447 PG. 46

40.6731 35.875 40.543 35.875 4.668 45.623

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny - clear Inst. No. 15066
Notes by R.T. Yurrill Time 11:05 - 12:00 Rod No. 31-32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From B.M. 27-71 To B.M. 27-25A
Date 7-11-60
Indexed H.E. Ott

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
				2635					2628	
9	6802	40.673	090			7394	45.623	085		T La Gault
	6712		087			7309		086		BS 6713
	6625		177			7223		171		FS -7309
	20139	6713		2812		21926	7309	177	2799	Δ Elev. = -0.596
		47.386					52.932	198	2812	B.M. 27-74 (F.C. BM 114-56)
		6.713					7.309		5611	Dominguez Channel and R.E.
							1.596			R.R. see F.B. 1393-62
										for description
10	7693		191			5991		189		
	7502		190			5802		186		
	7312		381			5616		375		
	22507	7502		3193		17409	5803		3174	
11	4342		180			4963		195		
	4162		181			4768		193		
	3981		361			4575		388		
	12485	4162		3554		14306	4769		3562	
12	4649		186			5097		189		
	4463		185			4908		188		
	4278		371			4720		377		
	13390	4463		3925		14725	4908		3939	
		63.513					68.412			

F.B. 2444 P.G. 47

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76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny - clear Inst. No. 15066
Notes by R. Tuxxi Time 11:05 - 12:00 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 27-71 To B.M. 27-75A
Date 2-11-60
Indexed H. E. OTT

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
				3925					3939	
13	5301	63.513	186			6001	68.412	186		
	5115		187			5815		190		
	4928		373			5625		376		
	15344	5115		4298		17441	5814		4315	
14	5417		138			6171		143		
	5279		141			6028		146		
	5138		279			5882		289		
	15834	5278		4577		18081	6027		4604	
									4577	
									9181	B.M. 27-75A Dominguez Channel at El Segundo Blvd. See F.B. 1393-63 for description
		26.520					27.321			
							26.520			Summation of Run From BM 27-71 To BM 27-75A
							-.801			
										Total Backsights = + 73.906 '
										" Foresights = - 80.253 '
										diff elev. = - 6.347 '
		73.906					80.253			

F.B. 2447 P.G. 48

76P 26-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather sunny - windy Inst. No. 15066
Notes by R. Turrill Time 13:11 - 14:00 Rod No. 31 & 32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From B.M. 27-75A To B.M. 27-71
Date 7-11-66
Indexed H. E. OTT

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	6201		143			5444		139		B.M. 27-75A
	6058		146			5305		137		Dominguez Channel at El Segundo
	5912		289			5168		276		Blvd. See F.B. 1393-63
	18171	6057		289	78°	15917	5306		276	for description
2	6045		187			5348		188		T La Gault
	5858		190			5160		188		
	5668		377			4972		376		
	17571	5857		666		15480	5160		652	
3	5022		190			4648		198		
	4832		190			4450		198		
	4642		380			4252		396		
	14496	4832		1046		13350	4450		1048	
4	5624		176			4963		185		
	5448		176			4778		187		
	5272		352			4591		372		
	16344	5448		1398		14332	4777		1420	
5	5715		187			7415		192		
	5528		188			7223		192		
	5340		375			7031		384		
	16583	5528		1773		21669	7223		1804	
		27.722					26.916			

F.B. 24447 P.G. 49

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny - windy Inst. No. 15066
Notes by R. Turrill Time 13:10 - 14:00 Rod No. 31332

Name L.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 27-75A To BM 27-71
Date 7-11-66
Indexed H. E. Ott

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
		27.722 / 26916 806		1773			26.916 /		1804	B.M. 27-74 (F.C. BM 114-56) Dominguez Channel & P.E. R.R. See F.B. 1393-62 for description
6	7455 7361 7269		094 092 186			6848 6765 6683		083 082 165		
	22085	7362 / 35.084		1959		20296	6765 / 33.681		1969	
						7362 6765 597				B.M. 27-73 (L.A. Co. Rd. Dept. B.M. 157, F.C. 114-157J) Crenshaw Blvd. and P.E. R.R. See F.B. 1393-62 for description
7	5330 5281 5232		049 049 098			5479 5422 5368		057 054 111		
	15843	5281		2057		16269	5423		2080	
8	5265 5078 4891		187 187 374			5160 4975 4791		185 184 369		
	15234	5078		2431		14926	4975		2999	
		45.443 /					44.079 /			

F.B. 2447 PG. 50

76P 26-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny - windy Inst. No. 15066
Notes by R. Turrill Time 13:10 - 14:00 Rod No. 31-32

Name LA. Co. Precise Level Net
Job No. 0301.02
From B.M. 27-25A To B.M. 27-71
Date 7-11-60
Indexed H. E. Ott

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
				2431					2449	
9	5316	45.443	184			4707	44.079	186		
	5132		182			4521		183		
	4950		366			4338		369		
	15398	5133		2797		13566	4522		2818	
10	7128		180			4781		188		TT La Gault
	6948		183			4593		185		
	6765		363			4408		373		
	20841	6947		3160		13782	4594		3191	
11	5562		188			5813		182		
	5374		192			5631		180		
	5182		380			5451		362		
	16118	5373		3540		16895	5632		3553	
12	6648		186			4631		184		
	6462		184			4447		185		
	6278		370			4262		369		
	19388	6463		3910		13340	4447		3922	
13	6120		188			6123		182		
	5932		184			5941		181		
	5748		372			5760		363		
	17800	5933		4282		17824	5941		4285	
		75.292					69.215			

F.N. 2447 P.G. 51

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny - windy Inst. No. 15066
Notes by R. Turrill Time 13:10 - 19:00 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 27-75A To B.M. 27-71
Date 7-11-60
Indexed H. E. OTT

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
		75.292		4282			69.215		4285	B.M. 27-72 (F.C. B.M. 114-204) Crenshaw Blvd and 120th St. See F.B. 1393-61 for description
		40.208					35.534			
		35534								
		4674								
14	5247		159			4959		156		
	5088		156			4803		152		
	4932		315			4651		308		
	15267	5089		9577		14413	4804		4593	
		4804								B.M. 27-71 (F.C. BM 114-51) Dominguez Channel and Crenshaw Blvd. See F.B. 1393-61 for description
		285								
										Summation of Run From BM 27-75A To BM 27-71
										Total Backsights = + 80.381 '
										" Fore sights = - 74.019 '
										diff. elev = + 6.362 '
		80.381					74.019			

F.B. 2447 P.G. 52

76P5-26-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather hot - sunny Inst. No. 15066
Notes by R.F. Siemann Time 08:30 - 10:00 Rod No. 31632

Name LACO Precise Level Net
Job No. 0301.02
From B.M. 27-75 A To B.M. 21-11
Date 12 July 1960
Indexed H. E. OTT

Number or 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
	6.132		.193			7.284		.197		B.M. 27-75 A.
	5.939		.190			7.087		.196		Dominguez Channel at El Segundo
	5.749		.383			6.891		.393		Blvd. See F.B. 1393-63
	17.820	5.940		.383	74°	21.262	7.087		.393	for description
	3.552		.189			5.522		.185		
	3.363		.189			5.337		.187		
	3.174		.378			5.150		.372		
2.	10.089	3.363		.761		16.009	5.336		.765	
	5.263		.187			5.626		.187		
	5.078		.188			5.439		.189		
	4.890		.375			5.250		.376		
3.	15.233	5.078		1.136		16.315	5.438		1.141	
	5.311		.189			5.578		.193		
	5.122		.185			5.385		.194		
	4.937		.374			5.191		.387		
4.	15.370	5.123		1.510		16.154	5.385		1.528	
	5.530		.190			5.134		.184		
	5.340		.191			4.950		.180		
	5.149		.381			4.770		.364		
5.	16.919	5.640		1.891		14.854	4.951		1.892	
		25.144					28.197			

F.B. 2477 P.G. 53

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather hot - sunny Inst. No. 15066
Notes by R.F. Siemann Time 08:30 - 10:00 Rod No. 31/32

Name L.A. Co. Precise Level Net
Job No. 030102
From B.M. 27-75-A To B.M. 21-11
Date 12 July 1960
Indexed H.E. OTT

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
	6.020	25.144	.186	1.891		7.050	28.197	.189	1.892	
	5.834		.187			6.861		.186		
	5.647		.373			6.675		.375		
6.	17.501	5.834		2.264		20.586	6.862		2.267	
	5.128		.189			5.688		.189		
	4.949		.190			5.499		.189		
	4.759		.379			5.310		.378		
2.	14.846	4.949		2.643		16.497	5.499		2.645	
	5.384		.191			5.640		.189		
	5.193		.187			5.451		.188		
	5.006		.378			5.263		.377		
8.	15.583	5.194		3.021		16.354	5.451		3.022	
	5.229		.102			5.763		.101		
	5.127		.102			5.662		.101		
	5.024		.205			5.561		.202		
9	15.380	5.127		3.226		16.986	5.662		3.224	
									3226	B.M. 27-76-A
									6450	Crenshaw Blvd and 134th St.
										see F.B. 1393-70
										for description
		46.248				51.671				
						46.248				
						5.423				

F.B. 2447 P.G. 54

76P5 6-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Hot - Sunny Inst. No. 15466
Notes by R.F. Siemann Time 08:30 - 10:00 Rod No. 31 & 32

Name L.A.CO. Precise Level Net
Job No. 0301.02
From B.M. 27-25-A To B.M. 21-11
Date 12 July 1960
Indexed H.E. OTT

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
	5.692	46.248	.180	3.226		5.250	51.671	.189	3.224	
	5.512		.177			5.061		.188		
	5.325		.357			4.873		.377		
10	16.539	5.513		3.593		15.184	5.061		3.601	
	7.719		.203			1.965		.175		
	7.516		.205			1.790		.172		
	7.311		.408			1.618		.347		
11	22.546	7.515		3.991		5.373	1.791		3.948	
	4.808		.180			5.320		.191		
	4.628		.180			5.129		.189		
	4.448		.360			4.940		.380		
12	13.884	4.628		4.351		15.389	5.130		4.328	
	5.437		.177			4.540		.189		
	5.260		.175			4.351		.190		
	5.085		.352			4.161		.379		
3	15.782	5.261		4.703		13.052	4.351		4.707	
	2.871		.192			2.933		.185		
	2.679		.190			2.748		.188		
	2.489		.382			2.560		.373		
4	8.039	2.680		5.085		11.241	3.747		5.080	
		71.845					71.751			

F.B. 24447 PG. 55

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 hot - sunny Inst. No. 15066
Notes by R.F. Siemann Time 08:30 - 10:00 Rod No. 31532

Name L.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 21-75A To B.M. 21-11
Date 12 July 1960
Indexed H.E. Ott

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
	4.725	71.845	180	5.085		5.151	71.751	190	5.080	
	4.545		184			4.961		190		
	4.361		364			4.771		380		
15	13.631	4.544		5.449		14.883	4.961		5.460	
	2.929		187			4.888		189		
	2.742		186			4.699		189		
	2.556		373			4.510		378		
16	8.227	2.742		5.822		14.099	4.699		5.838	
	5.070		188			6.560		188		
	4.882		187			6.372		184		
	4.695		375			6.188		372		
17	14.647	4.882		6.197		19.120	6.373		6.210	
		84.013					84.784		6197	B.M. 27-77 (F.C.B.M. 114-53)
		37.765					36.113		+707	Dominguez Channel at 139th St.
		36.113								see F.B. 1393-65
		1.652								for description
	6.722		188			5.666		187		
	6.534		191			5.479		188		
	6.343		379			5.291		375		
18	19.599	6.533		6.576		16.436	5.479		6.385	
		90.546					93.263			

F.B. 2447 P.G. 56

76P5[illegible]6-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 hot - sunny Inst. No. 15066
Notes by R.F. Siemann Time 08:30 - 10:00 Rod No. 31 & 32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 27-75 A To B.M. 27-11
Date 12 July 1960
Indexed H. E. Oil

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
	5.7[illegible]	90.546	185	6.576		6.401	93.263	.191	6.585	
	5.569		181			6.210		.189		
	5.388		366			6.021		.380		
19	16.711	5.570		6.942		18.632	6.211		6.965	
	5.671		190			5.615		196		
	5.481		189			5.419		200		
	5.292		379			5.219		396		
20	16.444	5.481		7.321		16.253	5.418		7.361	
	4.901		203			5.203		192		
	4.698		200			5.011		.193		
	4.498		403			4.818		385		
21.	14.097	4.699		7.724		15.032	5.011		7.746	
	7.721		191			3.878		.197		
	7.530		.190			3.681		.199		
	7.340		381			3.482		396		
22.	22.591	7.530		8.105		11.041	3.680		8.142	
	6.791		050			4.121		047		
	6.741		051			4.074		046		
	6.690		101			4.028		.093		
23.	20.222	6.741		8.206		12.223	4.074		8.235	
		120.567					117.657			

F.B. 2[illegible] P.G. 57

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 hot - sunny Inst. No. 15066
Notes by R.F. Siemann Time 08:20 - 10:00 Rod No. 31632

Name L.A.Co. Precise Level Net
Job No. 0301.02
From B.M. 27-75A To B.M. 21-11
Date 12 July 1960
Indexed H.E. OT

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
		120.567 / 36554 29873 6,681		8.206			114.657 - 29873		8.235 - 8206 16441	B.M. 21-12 (F.C. B.M. 113-21A) Rosecrans Ave and Crenshaw Blvd, see F.B. 1391-16 for description
	4.339 4.202 4.069		.137 .133 .270			11.291 11.176 11.059		.115 .117 .232		
2.4	12.610	4.203	.232 502	8.476		33.526	11.175		8.467	
							4203 6.972 Feet 2.12567 Meters			B.M. 21-11 Rosecrans Ave and Crenshaw Blvd see F.B. 1391-16 for description
										Summation of Run From BM 27-75A To BM 21-11
										Total Backsights = + 124.770 " Foresights = - 128.832 diff. elev. = - 4.062
		124.770					128.832			

F.B. 2447 PG. 58

76P 26-CE 379—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 hot - sunny Inst. No. 15066
Notes by R. F. Siemann Time 10:00 - 11:30 Rod No. 31-32

Name L.A.Co. Precise Level N-T
Job No. 0301.02
From B.M. 21-11 To B.M. 27-75 A
Date 12 July 1960
Indexed H. E. OTT

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
	11.300		.118			4.342		.134		B.M. 21-11
	11.182		.114			4.208		.136		Rosecrans Ave and Crenshaw
	11.068		.232			4.072		.270		Blvd. see F.B. 1391-16
1	33.550	11.183		.232	80°	12.622	4.207		.270	for description
		11.183					4.207			B.M. 21-12 (F.C.B.M. 113-21A.)
		4207								Rosecrans Ave and Crenshaw
		6976 Ft								Blvd. see F.B. 1391-16
		2.12629 Meters								for description
	4.180		.048			6.850		.050		
	4.132		.044			6.800		.049		
	4.088		.092			6.751		.099		
2.	12.400	4.133		.324		20.401	6.800		.369	
	3.733		.202			7.562		.183		
	3.531		.204			7.379		.187		
	3.327		.406			7.192		.370		
3.	10.591	3.530		.730		22.133	7.378		.739	
	5.285		.197			4.970		.197		
	5.088		.193			4.773		.195		
	4.895		.390			4.578		.392		
4.	15.268	5.089		1.120		14.321	4.774		1.131	
		23.935					23.159			

F.B. 1391 PG. 59

76P526-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 hot sunny Inst. No. 15066
Notes by R. F. Siemann Time 10:00 - 11:30 Rod No. 31 22

Name L.A.Co Precise Level Net
Job No. 0301.02
From BM21-11 To BM27-75A
Date 12 July 1960
Indexed H. E. OTT

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
	5.652	23.935	.198	1.120		5.709	23.159	.189	1.131	
	5.454		.196			5.520		.189		
	5.258		394			5.331		378		
5.	16.364	5.455		1.514		16.560	5.520		1.509	
	6.098		190			5.450		180		
	5.908		.188			5.270		.180		
	5.720		378			5.090		360		
6.	17.726	5.909		1.892		15.810	5.270		1.869	
	5.563		186			6.620		190		
	5.377		.187			6.430		.188		
	5.190		373			6.242		378		
7.	16.130	5.377		2.265		19.292	6.431		2.247	
		40.696					40.380			B.M. 27-77 (F.C. B.M. 114-53)
		29493					36173			Dominguez Channel at 139th St.
							29493			see F.B. 1393-65
							6680			for description
	6.562		186			5.071		189		
	6.376		.186			4.882		.186		
8	6.190		372			4.696		375		
	19.128	6.376		2.637		14.649	4.883		2.622	
		47.052					45.263			

F.B. 2447 P.G. 60

76P126-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 hot - Sunny Inst. No. 15066
Notes by R. F. Siemann Time 10:00 - 11:30 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 03 01 02
From B.M. 21-11 To B.M. 27-75 A
Date 12 July 1960
Indexed H. E. OTT

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
	4.848	47.052	186	2.637		2891	45.263	189	2.622	
	4.662		.190			2.702		.189		
	4.472		376			2.513		378		
9	13.982	4.661		3.013		8.106	2.702		3.000	
	5.028		190			4.602		182		
	4.838		187			4.420		.182		
	4.651		377			4.238		364		
10	14.517	4.839		3.390		13.260	4.420		3.364	
	4.118		187			3.060		199		
	3.931		.184			2.861		.196		
	3.747		371			2.665		.395		
11.	11.796	3.932		3.761		8.586	2.862		3.759	
	4.482		184			5.387		180		
	4.298		187			5.207		179		
	4.111		371			5.028		359		
12.	12.891	4.297		4.132		15.622	5.207		4.118	
	5.563		183			5.065		187		
	5.380		181			4.878		.188		
	5.199		364			4.690		.375		
13	15.142	5.381		4.496		14.633	4.878		4.493	
		70.162	✓	✓			65.332	✓	✓	

F.B. 2447 P.O. 61

76P526-CE 379—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 hot - sunny Inst. No 15066
Notes by R. F. Sleman Time 10:00 - 11:30 Rod No 31 - 32

Name L.A.Co Precise Level Net
Job No. 0301.02
From BM 21-11 To BM 27-75A
Date 12 July 1960
Indexed H. E. OH

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
	2.013	70.162	175	4.496		7.768	66.832	208	4.493	
	1.838		177			7.560		208		
	1.661		352			7.352		416		
14	5.512	1.837		4.848		22.680	7.560		4.909	
	5.074		203			5.493		170		
	4.871		200			5.323		170		
	4.671		403			5.153		340		
15	14.616	4.872		5.251		15.969	5.323		5.249	
		76.871					78.715			B.M. 27-76 A
		36195					37835			Crenshaw Blvd and 134th St.
							36195			See F.B. 1393-70
							1640			for description
	5.845		104			5.303		101		
	5.741		101			5.202		100		
	5.640		205			5.102		201		
16	17.226	5.742		5.457		15.607	5.202		5.450	
	5.739		188			5.482		190		
	5.551		190			5.292		190		
	5.361		378			5.102		380		
17	16.651	5.550		5.834		15.876	5.292		5.830	
		88.163					88.709			

F.B. 2447 P.G. 62

76P526-CE 379—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 hot-sunny Inst. No. 15066
Notes by R. F. Siemann Time 10:00 - 11:30 Rod No. 31-32

Name L. A. Co. Precise Level Net
Job No. 0301.02
From B.M. 21-11 To BM. 27-75 A
Date 12 July 1960
Indexed H. E. OT.

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
	5.701	88.163	190	5.834		5.151	88.709	190	5.830	
	5.511		187			4.961		190		
	5.324		377			4.771		380		
18	16.536	5.512		6.211		14.883	4.961		6.210	
	7.089		189			6.060		188		
	6.900		187			5.872		184		
	6.713		376			5.688		372		
19	20.702	6.901		6.587		17.620	5.873		6.582	
	5.117		187			5.801		186		
	4.930		188			5.615		187		
	4.742		375			5.428		373		
20	14.789	4.930		6.962		16.844	5.615		6.955	
	5.586		195			5.321		187		
	5.391		191			5.134		186		
	5.200		386			4.948		373		
21	16.177	5.392		7.348		15.403	5.134		7.328	
	5.662		184			5.301		188		
	5.478		187			5.113		188		
	5.291		371			4.925		376		
22	16.431	5.477		7.719		15.339	5.113		7.704	
		116.375					115.405			

F.B. 2447 P.G. 83

76P526-CE 379—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 hot sunny Inst. No. 15066
Notes by R. F. Siemann Time 10:00 - 11:30 Rod No. 31-32

Name L.A.Co. Precise Level Net
Job No. 02.01.02
From B.M. 21-11 To B.M. 27-75A
Date 12 July 1960
Indexed H. E. OTT

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
	5.578	116.375	186	7.719		3.616	115.405	188	7.704	
	5.392		183			3.428		190		
	5.209		369			3.238		378		
23	16.179	5.393		8.088		10.282	5.127		8.082	
	7.306		196			6.150		192		
	7.110		198			5.958		195		
	6.912		394			5.763		387		
24	21.328	7.109		8.482		17.871	5.957		8.469	
		52006					46574			B.M. 27-75-A Dominguez Channel at El Segundo Blvd. see F.B. 1393-63 for description
		46574								
		5432								
										Summation of Run From BM 21-11 To BM 27-75A
										Total Backsights = + 128.877' Foresights = − 124.789' diff. elev. = + 4.088'
		128.877					124.789			

F.B. 2447 P.G. 64

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 Sunny - Windy Inst. No. 15066
Notes by R. Turrill Time 13:10 - 13:15 Rod No. 31 & 32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From BM 21-12 To BM 21-11
Date 7-12-60
Indexed H. E. OTT

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
	3686		128			10665		125		BM 21-12 (F.C. 113-21A)
	3568		130			10540		125		Rose Crans Ave & Crenshaw
1	3438		258			10415		250		Blvd see F.B. 1391-16
	10702	3567		258		31620	10540		250	for description
										B.M. 21-11
										Rose crans Ave and Crenshaw
										Blvd see F.B. 1391-16
										for description
										Summation of Run
										From BM 21-12
										To BM 21-11
										Total Backsights = + 3.567
										" Foresights = - 10.540
										diff elev = - 6.973 Ft
										= - ~~2.125~~ Meters

-212537

F.B. 2447 P.G. 65

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 Sunny Inst. No. 15066
Notes by R. Turrill Time 13:25 – 14:00 Rod No. 31632

Name LA Co. Precise Level Net
Job No. 0301.02
From BM27-77 To BM27-76A
Date 7-12-60
Indexed H. E. OTT

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	6483 6298 6111		185 187 372			4989 4803 4617		186 186 372		B.M. 27-77 (F.C. BM 114-53) Dominguez Channel at 139th St. see F.B. 1393-65 for description
	18892	6297		372		14409	4803		372	
2	4862 4671 4482		191 189 380			2900 2713 2523		187 190 377		π La. Gault
	14015	4672		752		8136	2712		749	
3	5017 4827 4638		190 189 379			4605 4422 4240		183 182 365		
	14482	4827		1131		13267	4422		1114	
4	3915 3728 3540		187 188 375			2835 2642 2452		193 190 383		
	11183	3728		1506		7928	2643		1497	
5	4612 4429 4248		183 181 364			5518 5336 5152		182 184 366		
	13289	4430		1870		16006	5335		1863	
		23954					19915			

F.B. 2447 P.G. 99

76P 26-CE 379—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 Sunny - windy Inst. No. 15066
Notes by R. Turrill Time 13:25 - 14:00 Rod No. 31232

Name L.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 27-77 To B.M. 27-76A
Date 7-12-60
Indexed H. E. OR

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals 1870	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals 1863	DESCRIPTION AND REMARKS
	5423	23.954	183			4924	19.915	187		
	5240		183			4737		187		
6	5057		366			4550		374		
	15720	5240		2236		14211	4737		2237	
	1963		193			7678		185		
	1770		190			7493		183		
7	1580		383			7311		367		
	5313	1771		2619		22482	7494		2604	
	5191		181			5644		183		BM 27-76A
	5010		183			5461		181		Crenshaw Blvd and 134th St.
8	4827		364			5280		364		See F.B. 1393-70
	15028	5009		2983		16385	5462		2968	for description
										Summation of Run
										From BM 27-77
										To BM 27-76A
										Total Backsights = + 35.974
										" Forsights = - 37.608
										diff elev = ~~-1.934~~
		35.974					37.608			1.634

F.B. 2447 P.G. 67

76P526-CE 379—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..... Weather..... Inst. No.....
Notes by..... Time..... Rod No.....

Name.....
Job No.....
From..... To.....
Date.....
Indexed.....

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. 2447 P.G. 68

Notes Ck'd by	Survey of L.A.Co. Precise Level Net F. B. 2447 Pg. 79
Map No.	JN 0301.02 Tape Std °F
Office Work	Surveyed by F.E. Brooks
Checked	Notes FEB & DL Date July 1960
Date	Indexed [redacted] 60 [redacted]

J.N. 0301.02

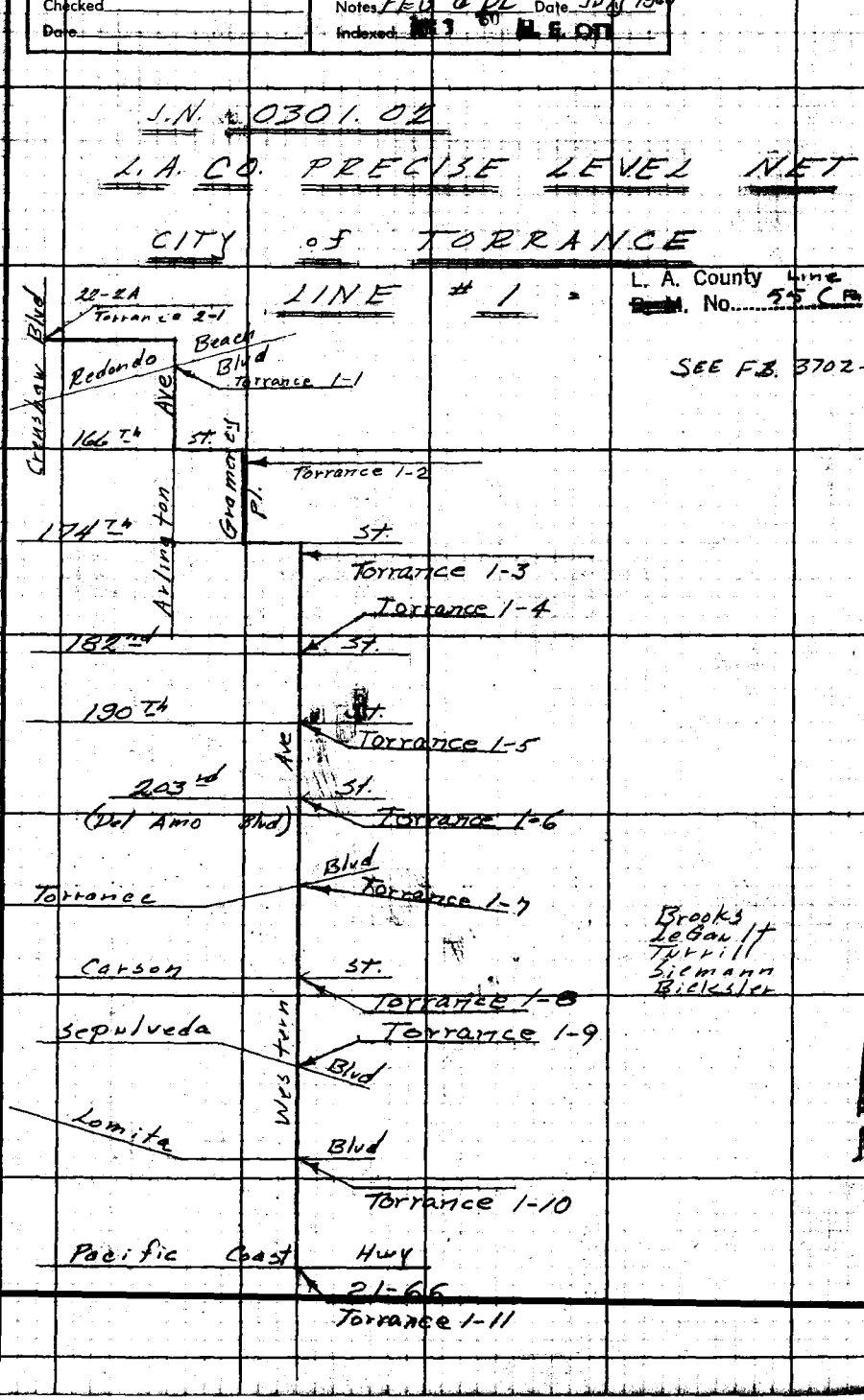
L.A. CO. PRECISE LEVEL NET

CITY of TORRANCE

LINE #1

L. A. County Line
[redacted]. No. 55 (Part)

SEE F.B. 3702-151 to



Brooks
LeBault
Turrill
Siemann
Bielsler

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.

RETURN TO
LOS ANGELES COUNTY ENGINEER
900 LOS ANGELES COUNTY ENGINEERING BLDG.

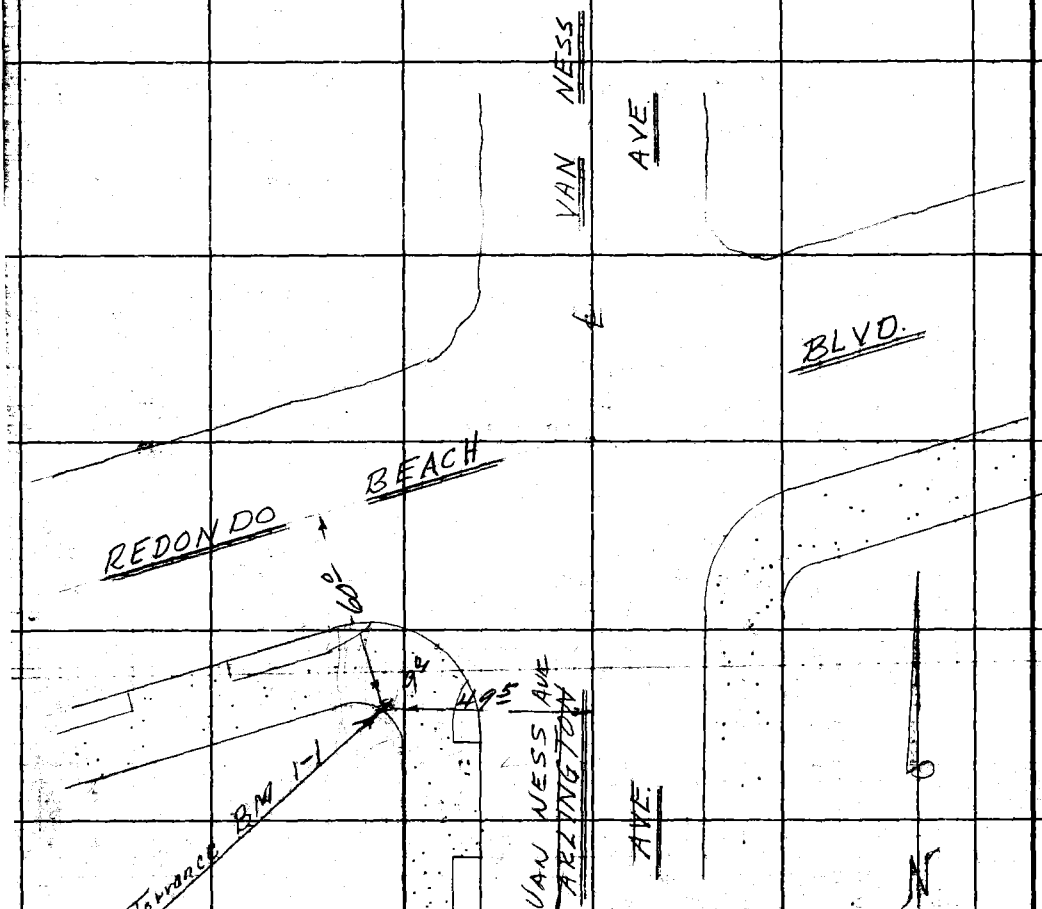
7630-B CE #247—7-53

F. B. 2447 PG. 80

L. A. County 55-1
B. M. No. 55-1-1

TORRANCE BM 1-1

AT ARLINGTON AVE and REDONDO BEACH BLVD. on the south west corner, in the side walk at approx. Δ/2. A. L.A. Co. Engr. B.M. monument stamped Tor 1:1 RE 5869 9 inches below Walk in well Protected by a cast iron cover marked County Engineer Monument.



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

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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.

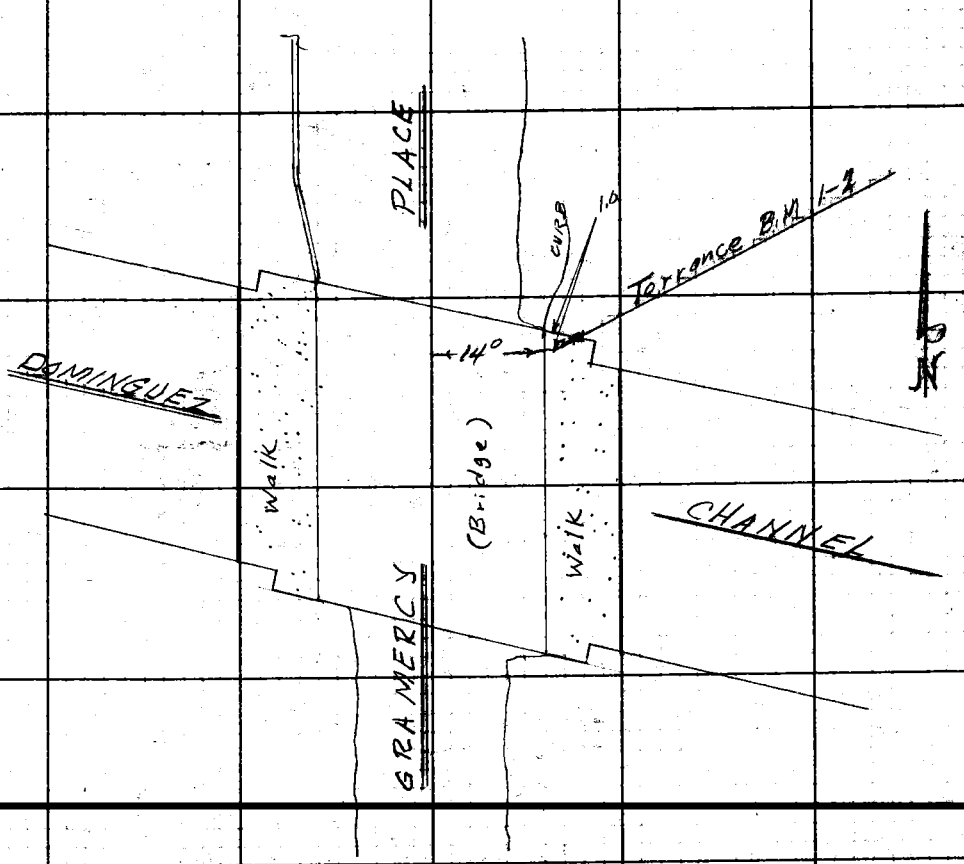
Notes Ck'd by	Survey of L.A.Co. Precise Level
Map No.	JN 0301.02 Tape Std °F
Office Work	Surveyed by F.E. Brooks
Checked	Notes FEB & DL Date July 1960
Date	Indexed H. E. OTT

Net F. B. 2447 PG. 81

L. A. County 55-2
B. M. No. 55-1-2

TORRANCE BM 1-2

At GRAMERCY PLACE and DOMINGUEZ CHANNEL ± 1' So. of the No. end of the East curb on the bridge over Dominguez Channel. A Std. L.A.Co. F.C.D. Brass Cap stamped "L.A.C.F.C.D. B.M. # 113-88"



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100 LOS ANGELES COUNTY ENGINEERING BLDG.

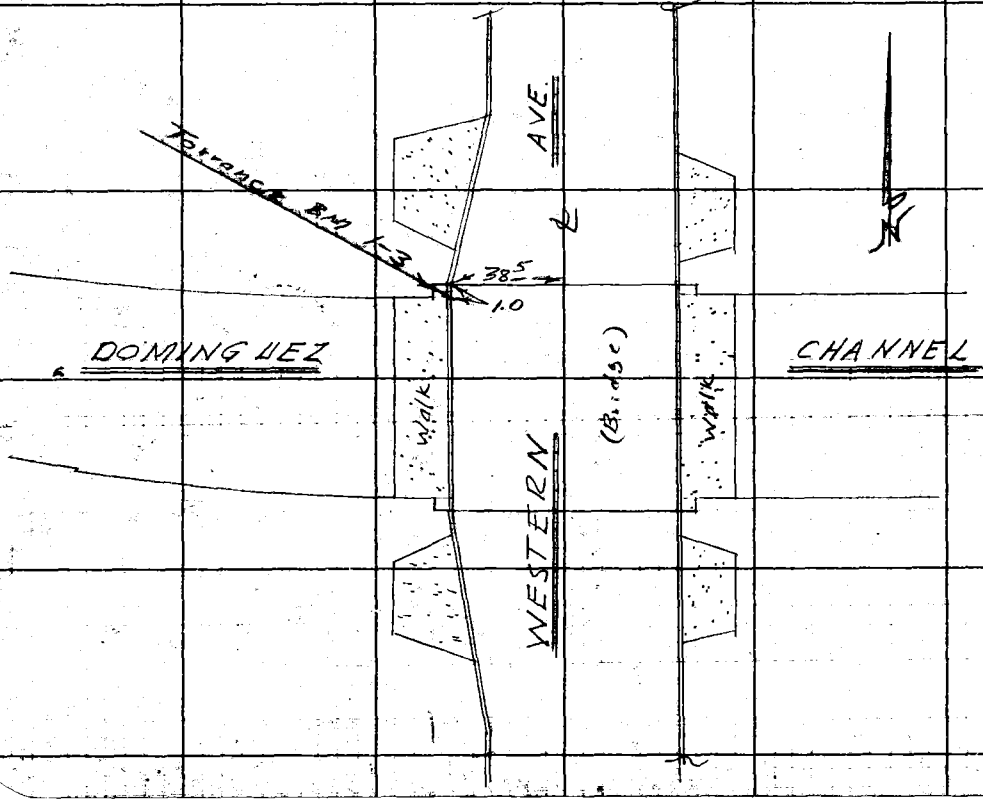
763095 CE #247—7-53

F. B. 2447 PG. 82

L. A. County 55-3
B. M. No. 55-1-3

TORRANCE BM 1-3

At WESTERN AVE. and DOMINGUEZ CHANNEL 51' So. of the No. end of the West curb on the Bridge on Dominguez Channel. A Std. L.A.C.F.C.D. Brass Cap Stamped "L.A.C.F.C.D. B.M. #113-89"



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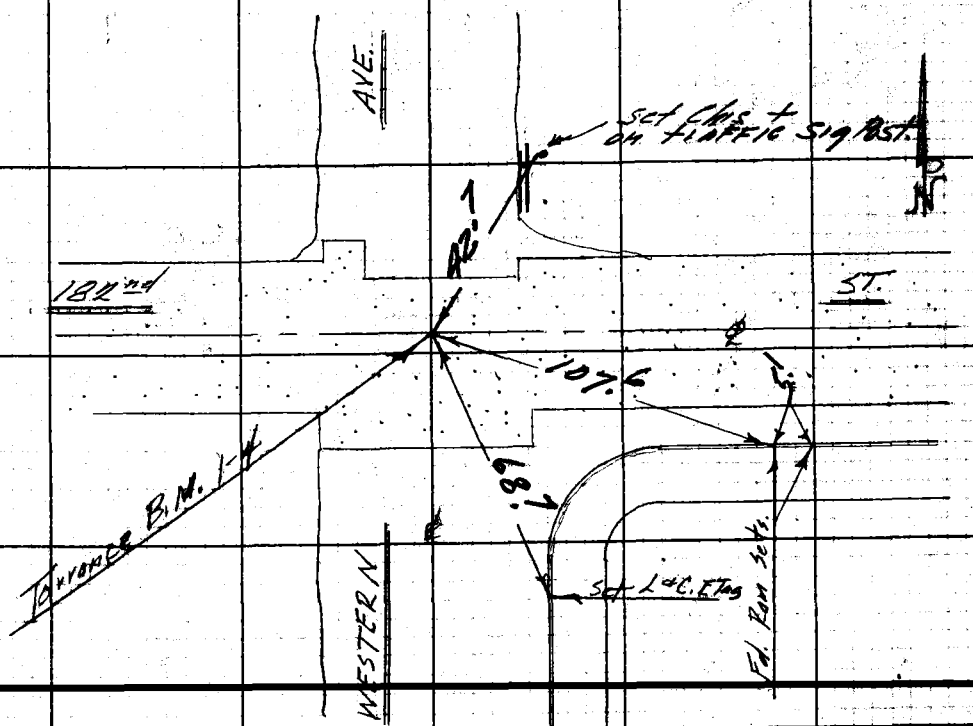
Notes Ck'd by	Survey of L.A.Co. Precise Level
Map No.	JN 0301.02 Tape Std °F
Office Work	Surveyed by F.E. Brooks
Checked	Notes FEB & DL Date July 1960
Date	Indexed H. E. OTT

Net F.B. 2449 Pg. 83

L. A. County 55-4
B. M. No. 55-1-4

TORRANCE BM 1-4

At WESTERN AVE and 182nd ST. ℄ intersection in a well protected by a cast iron cover marked City of L.A. Engineering Monument a Std. City of L.A. Monument (Hex bar in concrete) 10" below surface of street.



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RETURN TO
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76-3098 CE #247—8-57

F. B. 2447 Pg. 84

L. A. County 55-5
B. M. No. 55-1-5

TORRANCE BM 1-5

At WESTERN AVE. and 190th St. in the painted cross walk on the North side of 190th St. ± 10 ft West of the Painted ℄ of Western Ave. in a well protected by a cast iron cover marked City of L.A. Engineering Monument a std L.A. City Monument (Hex bar in concrete) 10" below surface of street.

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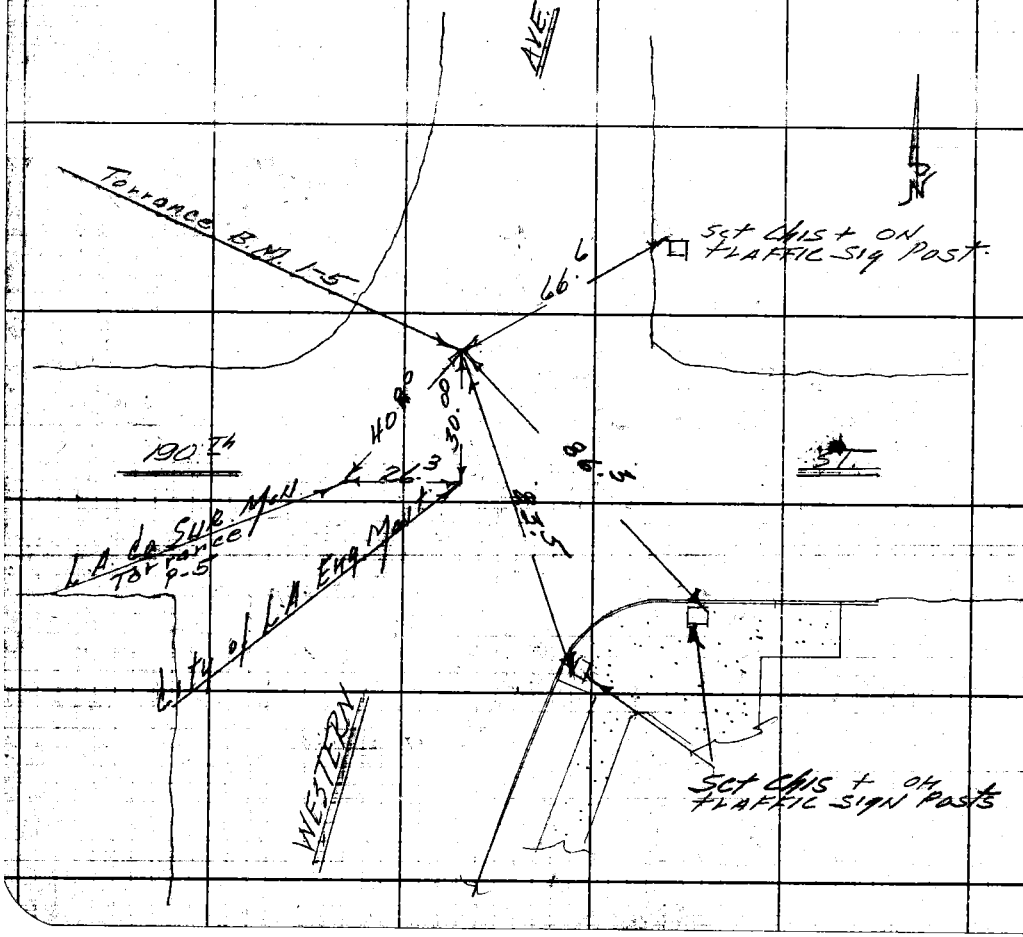


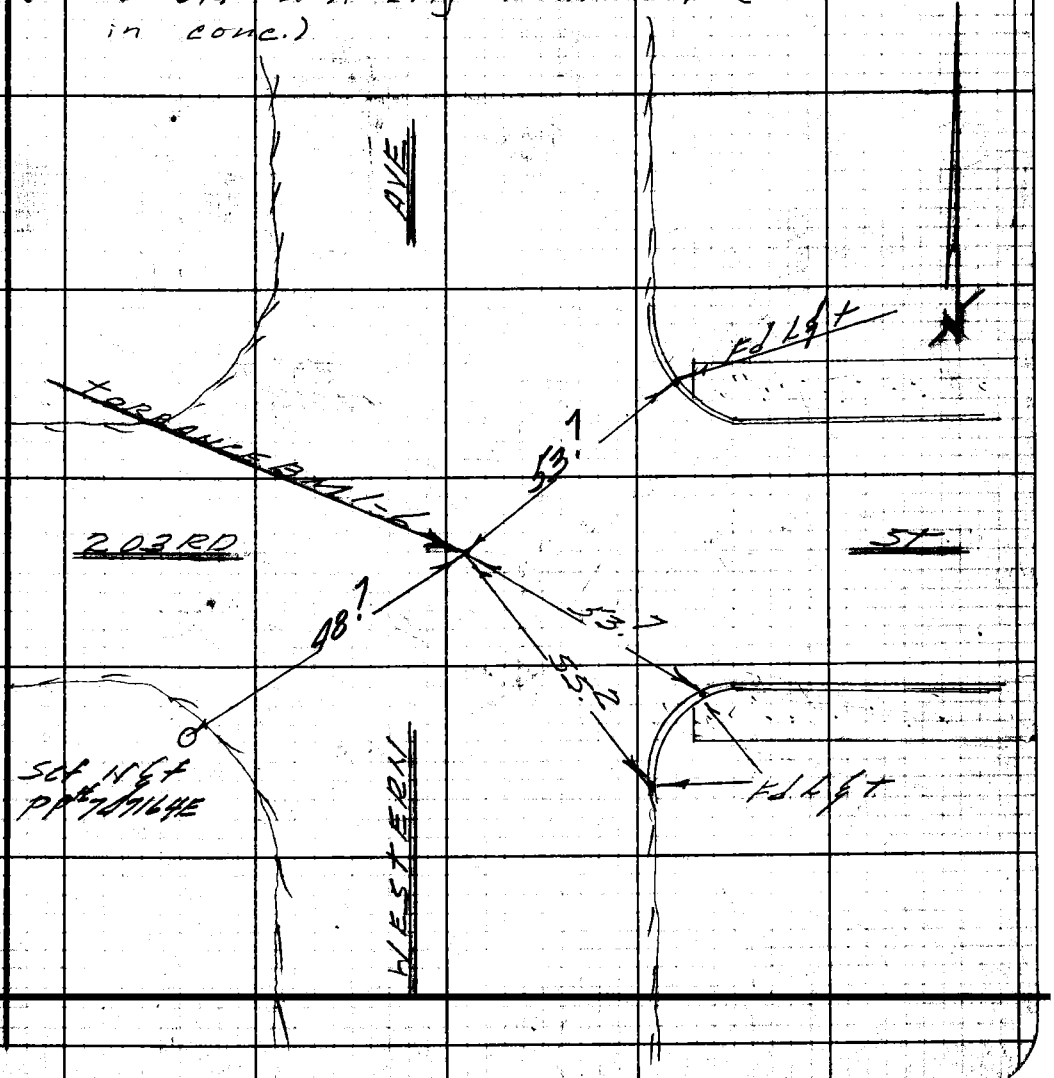
Notes Ck'd by	Survey of L.A.Co. Precise Level
Map No.	JN 0301.02 Tape Std °F
Office Work	Surveyed by F.E. Brooks
Checked	Notes FEB & DL Date July 1966
Date	Indexed H. E. OTT

Net F.B. 2447 PG. 85

County 55-6
D. M. No. 55-1-6

TORRANCE BM 1-6

At WESTERN AVE. and 203rd ST. (DEL AMO BLVD.) ℄ intersection in a well protected by a cast iron cover marked "City of L.A. Engineering Monument" 10" below surface of street a std. L.A. City monument (Hex bar in conc.)



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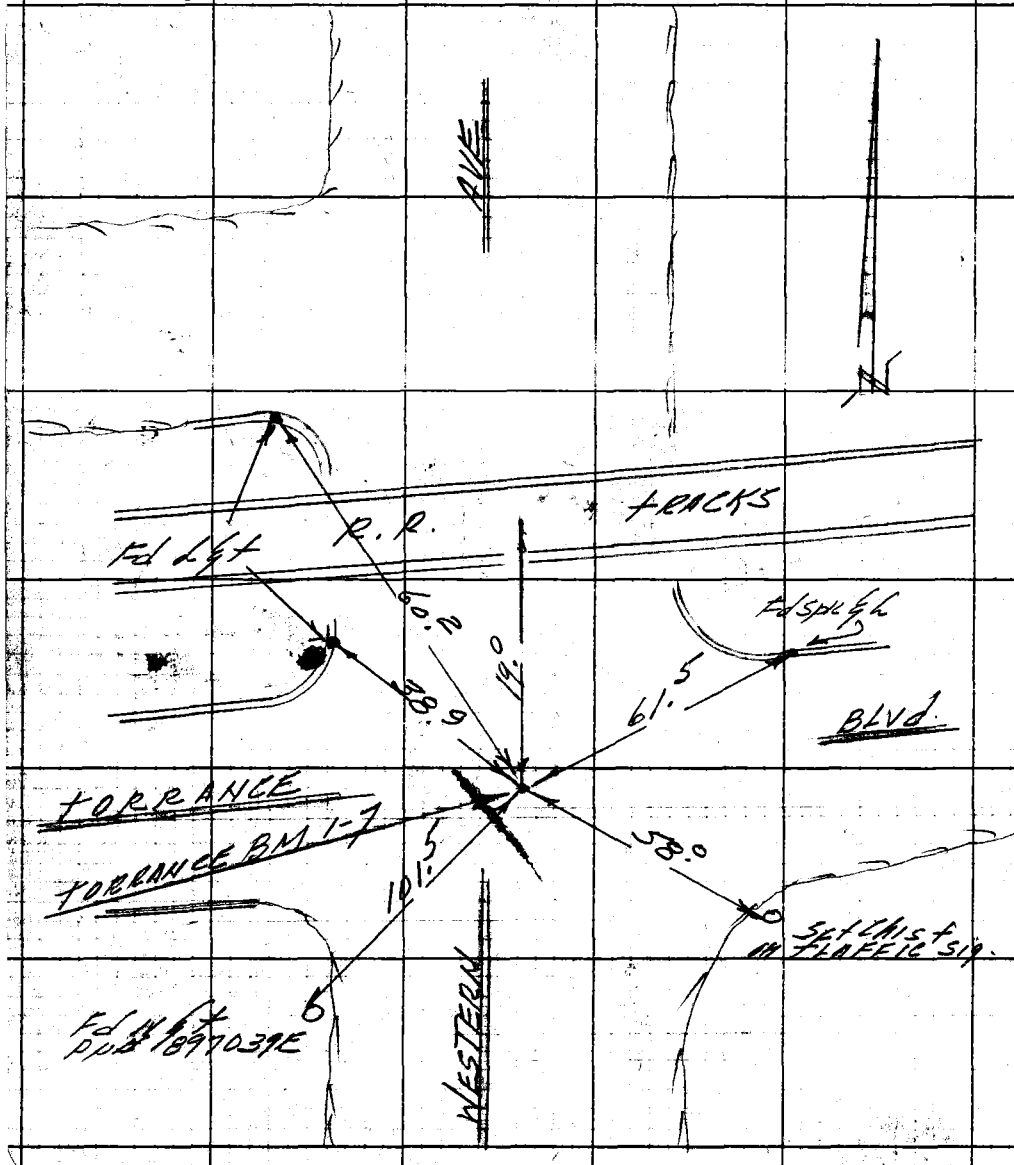
76 SOPS CE #247—8-57

F. B. 2447 Pg. 86

L. A. County 55-7
B. M. No. 55-1-7

TORRANCE BM 1-7
At WESTERN AVE and TORRANCE BLVD
on the ℄ of Western Ave ± 19 feet So.
of the ℄ of R.R. Tracks in a well
protected by a cast iron cover marked
City of L.A. Engineering Monument 10"
below surface of St. A. Std L.A.
City Monument (Hex bar in conc.)



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Notes Ck'd by	Survey pt. L.A.Co. Precise Level Net F. B. 2447 Pg. 87
Map No.	JN 0301.02 Tape Std °F
Office Work	Surveyed by F.E. Brooks
Checked	Notes FEB + DL Date JUN 1960
Date	Indexed H. E. Ott

L. A. County 55-8

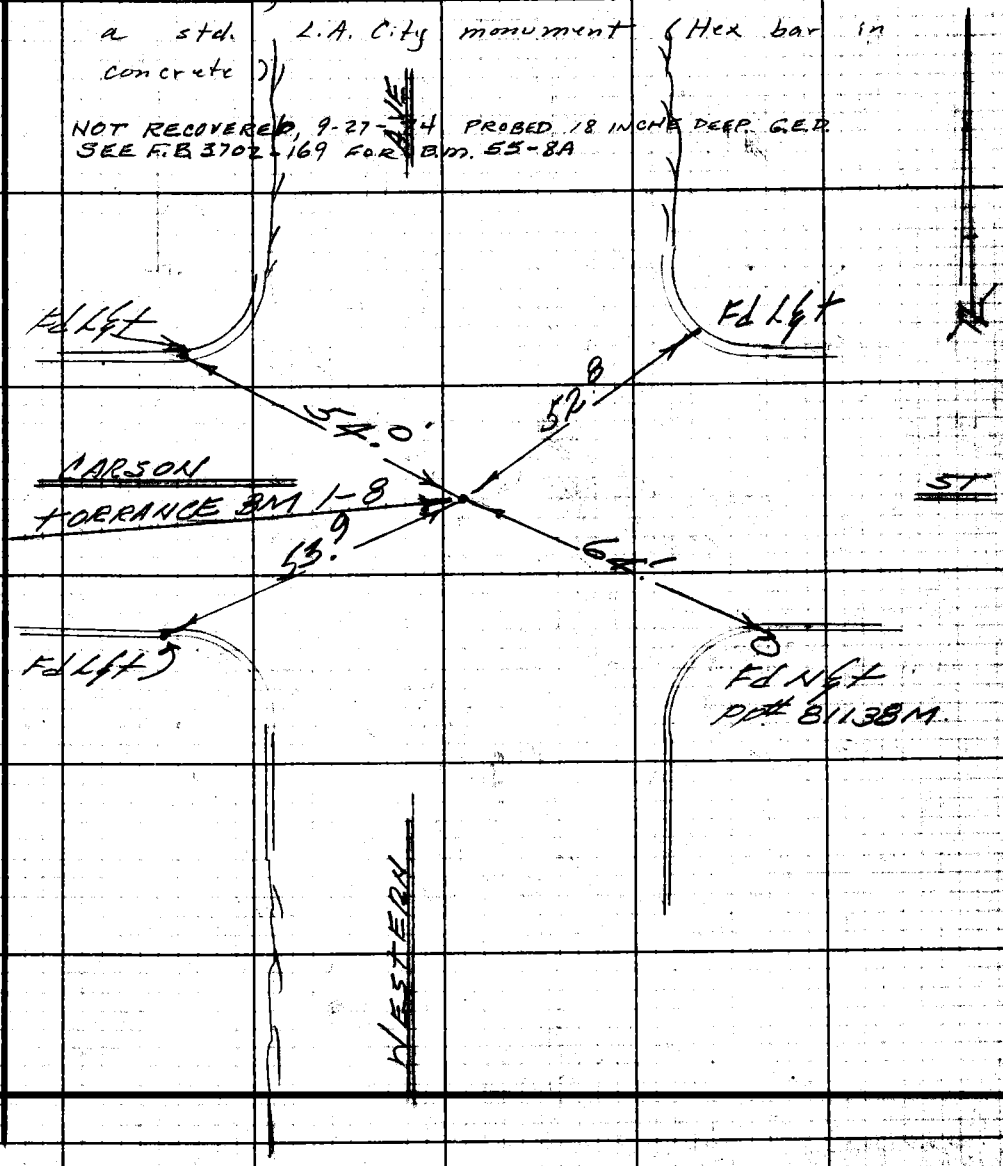
B. M. No. 55-1-B

TORRANCE BM 1-B

AT WESTERN AVE. and CARSON ST.

℄ intersection in a well protected by a cast iron marked "City of L.A. Engineering Monument," 10 inches below surface of street a std. L.A. City monument (Hex bar in concrete)

NOT RECOVERED, 9-27-54 PROBED 18 INCHES DEEP. G.E.D.
SEE F.B. 3702-169 FOR B.M. 55-8A



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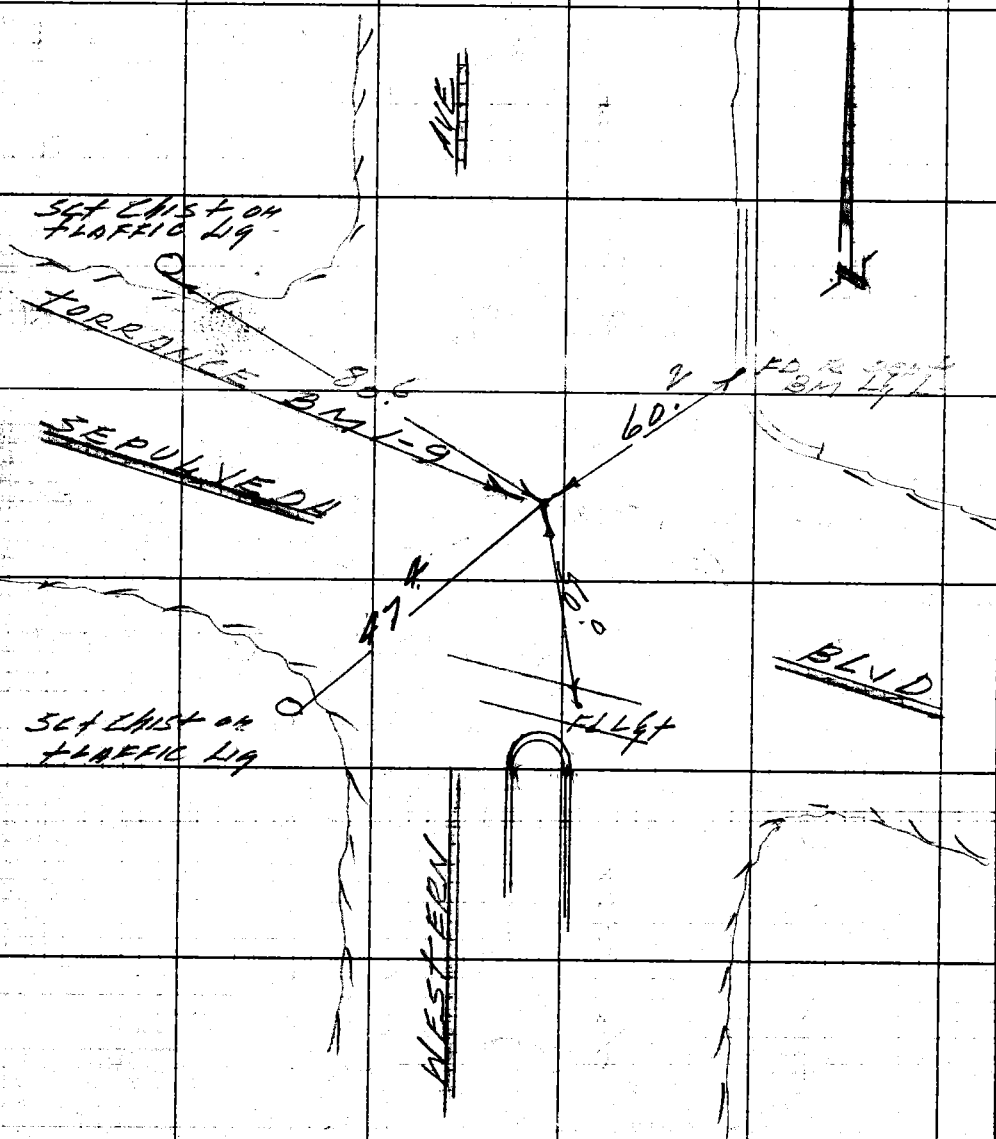
76-3095 CE #247—8-57

F.B. 2447 Pg. 88

L. A. County 55-9
B. M. No. 55-1-9

TORRANCE BM 1-9

At WESTERN AVE. and SEPULVEDA BLVD. & intersection in a well protected by a cast iron cover marked "City of L.A. Engineering Monument" 10" below surface of Street. A Std. L.A. City Monument (Hex bar in concrete)



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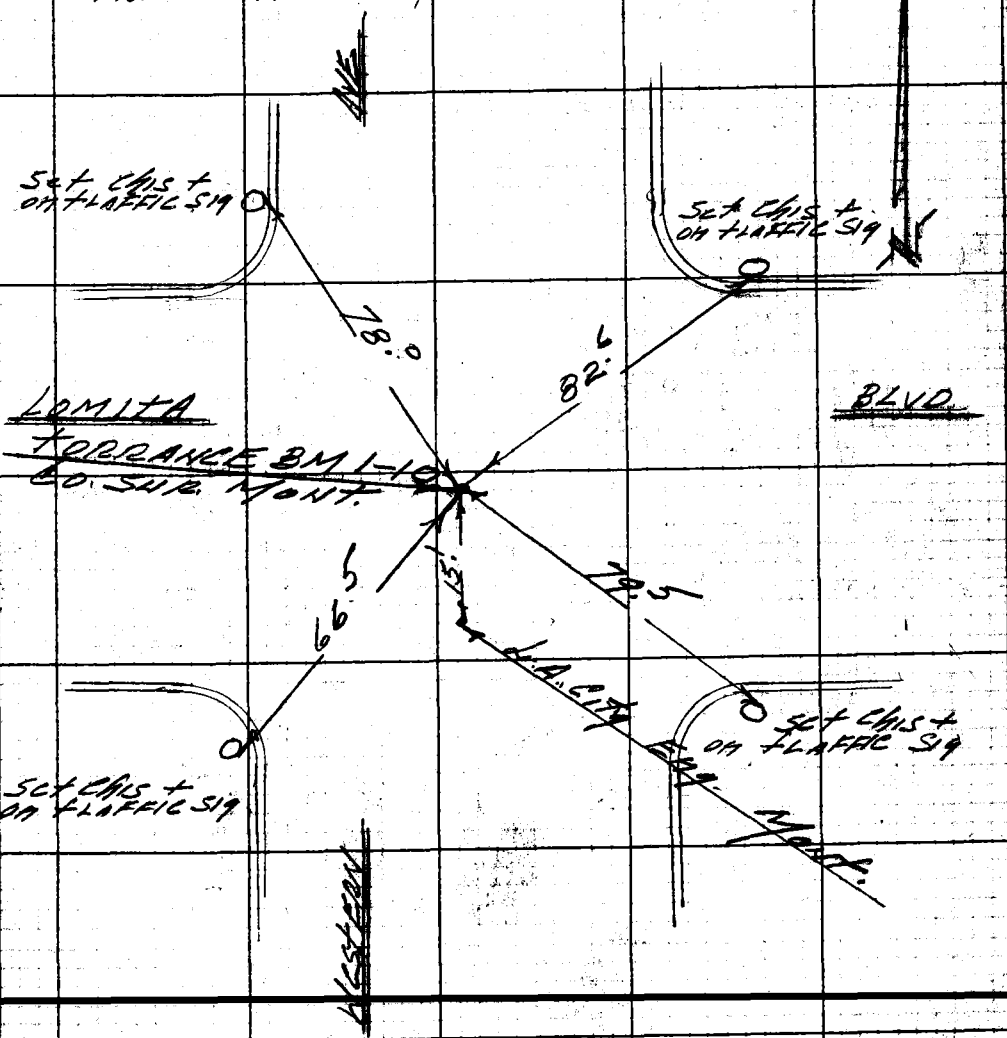
Notes Ck'd by	Survey of L.A. Co. Precise Level
Map No.	JN 0301.02 Tape Std °F
Office Work	Surveyed by F.E. Brooks
Checked	Notes FEB & DL Date July 1960
Date	Indexed H. E. OTT

Net F.B. 2447 Pg. 89

L. A. County 55-10
D. M. No. 55-1-10

TORRANCE BM 1-10
WESTERN AVE. and LOMITA BLVD. ℄
intersection in a well protected by a cast iron cover marked "County Surveyor Monument" 10 inches below surface of street a County Engineer Brass Cap. Monument. stamped R.E. 5869



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7603098 CE #247—3-57

F. B. 2447 PG. 90

TORRANCE BM 1-11

equals County BM 21-66

See F.B. 1391-62 for description

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76P 26-CE 379—10-57

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Chief of Party F. BROOKS Weather Cool & Fog Inst. No. 15066
Notes by T.A.B. Time 0845 Rod No. 31-32

Name L.A. C. Precise Level Net
Job No.
From BM 22-2A Tor. BM 2-1 To Tor. BM 1-1
Date 14 July 1960
Indexed H. E. Ott

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	5551 5370 5185 16.106	5.369	181 185 366	366	66°	5566 5380 5198 16.144	5.381	186 182 368	368	BM 22-2A (Tor. B.M. 2-1) Crenshaw Blvd. and Manhattan Beach Blvd. see F.B. 1935 pg 19 for description
2	5270 5083 4899 15.252	5.084	187 184 371	737		5427 5241 5058 15.726	5.242	186 183 369	737	T D LeGAULT
3	5329 5151 4969 15.449	5.150	178 182 360	1097		5730 5542 5358 16.630	5.543	188 184 372	1109	
4	5361 5178 4992 15.531	5.177	183 186 369	1466		5460 5273 5089 15.822	5.274	187 184 371	1480	
5	5262 5076 4890 15.228	5.076	186 186 372	1838		5520 5334 5150 16.004	5.335	186 184 370	1850	
		25.856					26.775			

F.B. 2447 P.G. 95

76P526-CE 379—10-57

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Chief of Party F. BROOKS Weather Cool & Clear Inst. No. 15066
Notes by T. H. B. Time 0845-0930 Rod No. 21-22

Name LA. Co. Precisecevel Net
Job No. 030102
From TOR BM 2-1 To TOR BM 1-1
Date 14 JULY 1960
Indexed H. E. OTT

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	5350 5162 4977	25.856	188 185 373	1838		5713 5529 5343	26.1776	184 186 370	1850	TD. Le GAULT
	15.489	5.163		2211		16.585	5.528		2220	
7	5360 5179 4995		181 184 365			5396 5211 5030		185 181 366		
	15.534	5.178		2576		15.637	5.212		2586	
8	5130 4948 4763		182 185 367			5530 5349 5165		181 184 365		
	14.841	4.947		2943		16.044	5.348		2951	
9	5147 4962 4780		185 182 367			5570 5385 5200		185 185 370		
	14.889	4.963		3310		16.155	5.385		3321	
10	5253 5070 4885		183 185 368			5767 5581 5399		186 182 368		
	15.208	5.069		3678		16.747	5.582		3689	
		51.176					53.830			

F.B. 2447 PG. 96

76P526-CE 379—10-57

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Chief of Party F. BROOKS Weather COOL & FOG Inst. No. 15066
Notes by T.A.B. Time 0845-09:20 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 030102
From BM 22-2A TOR BM 2-1 To TOR BM 1-1
Date 14 JULY 1960
Indexed H. E. OTT

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	4315 4128 3940 12383	51.176 4128	187 188 375	3678 4053		6060 5873 5690 17623	53.830 5874	187 183 370	3689 4059	TD. LeGAULT
12	5037 4851 4667 14555	4852	186 184 370	4423		5946 5760 5575 17281	5760	186 185 371	4430	Summation of Run From BM 22-2A (Tor. BM 2-1) To Tor. BM 1-1
13	5260 5092 4927 15279	5093	168 165 333	4756		5334 5169 5005 15508	5169	165 164 329	4759	Total Back sights = + 65.249 " Fore sights = − 70.6335 diff. elev = −5.3846
				33454					4756 9515 33559	BM TOR 1-1 Arlington Ave and Redondo Beach Blvd see F.B. 2447-80 for description

65.249 ✓ ✓ 70.6335 ✓ ✓

F.B. 2447 P.G. 97

76P526-CE 379—10-57

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Chief of Party F. BROOKS Weather Cloudy & Fog Inst. No. 15066
Notes by T.A.B. Time 09:20 - 10:15 Rod No. 31-32

Name L.A.Co. Precise Level Net
Job No. 030102
From BM TOR 1-1 To BM TOR 2-1
Date 14 JULY 1960
Indexed H. E. OTT

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	5339 5171 5007		168 164 1332			5258 5091 4928		167 163 330		BM TOR 1-1 Arlington Ave and Redondo Beach Blvd. see F.B. 2447-80 for description
	15.517	5.172		332	66°	15.277	5.092		330	
2	5969 5784 5599		185 185 370			5066 4881 4695		185 186 371		T.D. Le GAULT
	17.352	5.784		702		14.642	4.881		701	
3	6185 6001 5815		184 186 370			4432 4247 4059		185 188 373		
	18.001	6.000		1072		12.738	4.246		1074	
4	5778 5592 5410		186 182 368			5268 5083 4900		185 183 368		
	16.780	5.593		1440		15.251	5.084		1442	
5	5608 5423 5240		185 183 368			5182 4999 4815		183 184 367		
	16.271	5.424		1808		14.996	4.999		1809	
	27.973	✓	✓			24.302	✓			

F.B. 2447 P.G. 98

76P8-26-CE 379—10-57

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Chief of Party F. BROOKS Weather Cool & Fog Inst. No. 15066
Notes by T. A. B. Time 0845-1005 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 030102
From BMTOR 1-1 To BMTAR 2-1 BM 22-24
Date 14 July 1960
Indexed H. E. OTT

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	5589	27.973	186	1808		5191	24.302	183	1809	T.D. Le Gault
	5403		182			5008		185		
	5221		368			4823		368		
	16213	5404		2176		15022	5.007		2177	
7	5478		184			5440		181		
	5294		183			5259		184		
	5111		367			5075		365		
	15883	5.294		2543		15774	5.258		2542	
8	5718		185			5359		188		
	5533		183			5171		187		
	5350		368			4984		375		
	16601	5.534		2911		15514	5.171		2917	
9	5645		185			5384		185		
	5460		185			5199		187		
	5275		370			5012		372		
	16380	5.460		3281		15595	5.198		3289	
10	5583		184			5489		187		
	5399		188			5302		183		
	5211		372			5119		370		
	16193	5.398		3653		15910	5.303		3659	
	55.063					50.239				

F.B. 24447 P.G. 99

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. BROOKS Weather Cool & Fair Inst. No. 15-066
Notes by T.A.B. Time 0920 - 1005 Rod No. 31-32

Name L.A.C. Precise Level Net
Job No. 030102
From BM TOR 1-1 To BM 22-2A
Date 14 July 1960
Indexed H.E. Ott

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	5690	55.063	187	3653		5298	50.239	187	3659	T.D. Le GAULT
	5503		184			5111		186		
	5319		371			4925		373		
	16512	5504		4024		15334	111		4032	
12	5612		182			5460		186		Summation of Run
	5430		186			5274		183		From Tor. BM 1-1
	5244		368			5091		369		To B.M. 22-2A (Tor. BM 2-1)
	16286	5429		4392		15825	275		4401	
13	6201		186			6182		183		Total Backsights = + 72.011
	6015		186			5999		183		" Foresights = - 66.624
	5829		372			5816		366		diff. elev - + 5.387
	18045	6015		4764		17997	5999		4767	
				33098					33140	BM 22-2A (TOR 2-1) Crenshaw Blvd and Manhattan Beach Blvd see F.B. 1935 pg 19 for description

F.B. 2442 P.G. 100

72.011 66.624

76P 26-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny clear Inst. No. 15066
Notes by R. Turrill Time 11:15 - 13:20 Rod No. 31E32

Name LA Co Precise Level Net
Job No. 030102
From Tor. BM 1-1 To Tor. BM 1-2
Date 14 July 1960
Indexed H. E. OTT

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	4673 4489 4302		184 187< 371		74°	5548 5362 5178		186 184 370		Tor. B.M 1-1 Arlington Ave and Redondo Beach Blvd. see F.B. 2447-80 for description
	13464	4488		371		16088	5363		370	
2	5410 5227 5040		183 187< 370			5569 5382 5199		187 183< 370		T Le Gault
	15677	5226		741		16150	5383		740	
3	5331 5149 4965		182 184< 366			5771 5581 5391		190 190< 380		
	15445	5148		1107		16743	5581		1120	
4	5378 5191 5006		187 185< 372			5582 5398 5212		184 186< 370		
	15575	5192		1479		16192	5397		1490	
5	5328 5140 4951		188 189< 377			5538 5351 5168		187 183< 370		
	15419	5140		1856		16057	5352		1860	
		25.194	✓	✓			27.076	✓	✓	

F.B. 2447 P.G. 101

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny; clear Inst. No. 15866
Notes by R. Turrill Time 11:15 - 13:20 Rod No. 31 & 32

Name LA Co Precise Level Net
Job No. 0301.02
From Tex B.M. 1-1 To Tex B.M. 1-2
Date 14 July 1960
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals 1856	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals 1860	DESCRIPTION AND REMARKS
6	5479	25.194	184			5060	27.076	186		
	5295		187			4874		184		
	5108		371			4690		370		
	15882	5.294		2227		14624	4.875		2230	
7	6031		184			4770		185		
	5847		187			4585		185		
	5660		371			4400		370		
	17538	5.846		2598		13755	4.585		2600	
8	5987		187			5019		188		
	5800		185			4831		186		
	5615		372			4645		374		
	17402	5.801		2970		14495	4.832		2974	
9	4723		185			5660		185		
	4538		187			5475		186		
	4351		372			5289		371		
	13612	4.537		3342		16424	5.475		3345	
10	4943		185			5795		185		
	4758		187			5610		187		
	4571		372			5423		372		
	14272	4.757		3714		16828	5.609		3717	
		51.429					52.452			

F.B. 2447 P.G. 102

76P 26-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 Sunny - clear Inst. No. 15066
Notes by R. Torrill Time 11:15 - 13:20 Rod No. 31632

Name L.A.Co. Precise Level Net
Job No. 0301.02
From Tor. B.M. 1-1 To Tor. B.M. 1-2
Date 14 July 1960
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals 3714	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals 3717	DESCRIPTION AND REMARKS
1	4962	5.429	185			5583	5.482	184		
	4777		186			5399		187		
	4591		371			5212		371		
	14330	4.777		4085		16194	5.398		4088	
2	5239		188			5738		187		π Le Gault
	5051		184			5551		183		
	4867		372			5368		370		
	15157	5.052		4457		16657	5.552		4458	
13	5849		186			6038		189		
	5663		183			5849		189		
	5480		369			5660		378		
	16992	5.664		4826		17547	5.849		4836	
14	5938		186			5657		187		
	5752		184			5470		184		
	5568		370			5286		371		
	17258	5.753		5196		16913	5.471		5207	
15	5112		185			6250		187		1hr. For Lunch
	4927		185			6063		185		
	4742		370			5878		372		
	14781	4.927		5566		18191	6.064		5579	
	77.602					80.786				

F.B. 2941 P.G. 103

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather sunny - cloudy Inst. No. 15566
Notes by R. Turrill Time 11:15 - 13:[illegible] Rod No. 31432

Name L.A. Co Precise Level Net
Job No. 0301.02
From Tor. B.M. 1-1 To Tor. B.M. 1-2
Date 19 July 1966
Indexed H.E. Ott

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
				5566					5579	
16	4117	77.602	186			7238	80.786	186		
	3931		185			7052		184		
	3746		371			6868		370		
	11.794	3.931		5937		21.158	7.153		5949	
17	2974		186			6372		183		Summation of Run
	2788		186			6189		187		From Tor. B.M. 1-1
	2602		372			6002		370		To Tor. B.M. 1-2
	8.364	2.788		6309		18.563	6.188		6319	
18	5278		113			4444		115		Total Backsights = + 89.486
	5165		114			4329		115		" Foresights = - 98.356
	5051		227			4214		230		diff. elev. = - 8.870
	15.49	5.165		6536		12.987	4.329		6549	
									6536	B.M. Tor. 1-2 (F.C. B.M 113-88)
									13085	Gramercy Place and Dominguez
				63317					63431	Channel see F.B. 2447-81
										for description

F.B. 2447 P.G. 184

89.486 98.356

76P326-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny - clear Inst. No. 15066
Notes by R. Turrill Time 13:25 - 14:30 Rod No. 31432

Name L.A. Co. Precise Level Net
Job No. 0301.02
From TOR. B.M. 1-2 To TOR. B.M. 1-1
Date 14 July 1960
Indexed H. E. OTT

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	4538		116			5371		112		TOR. B.M. 1-2 (F.C. B.M. 113-88) Gramercy Place and Pominguez Channel see F.B. 2447-81 for description
	4422		114			5259		113		
	4308		230			5146		225		
	13268	4423		230	74°	15776	5259		225	
2	6397		184			2997		187		T Le Gault
	6213		185			2810		187		
	6028		369			2623		374		
	18638	6213		599		8430	2810		599	
3	7190		185			4068		186		
	7005		189			3882		182		
	6821		369			3700		368		
	21016	7005		968		11650	3883		967	
4	6204		184			5068		188		
	6020		187			4880		184		
	5833		371			4696		372		
	18057	6019		1339		14644	4881		1339	
5	5593		185			5878		188		
	5408		185			5690		187		
	5223		370			5503		375		
	16224	5408		1709		17071	5690		1714	
		29068					22523			

F.B. 2447 PG. 10-58

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny - c/o Inst. No. 15066
Notes by R. Turvill Time 13:25 — 14:30 Rod No. 31432

Name L.A. Co Precise Level Net
Job No. 0301.02
From TOR B.M. 1-2 To TOR B.M. 1-1
Date 14 July 1960
Indexed H. E. OTT

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
		333 29068		1709			25523		1714	
6	6095		187			5858		187		
	5858		188			5671		183		
	5670		375			5488		370		
	17573	5858		2084		17017	5672		2084	
7	5760		186			5260		188		
	5574		184			5072		184		
	5390		370			4888		372		
	16724	5575		2454		15220	5073		2456	
8	5641		185			5017		187		
	5456		186			4830		188		
	5270		371			4642		375		
	16367	5456		2825		14489	4830		2831	
9	5791		186			4941		185		
	5605		184			4756		186		
	5421		370			4570		371		
	16817	5606		3195		14267	4756		3202	
10	5750		185			4813		184		
	5565		185			4629		186		
	5380		370			4443		370		
	16695	5565		3565		13885	4628		3572	
		57128					47482			

F.B. 244 PG. 105

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E.Brooks Weather Sunny - clear Inst. No. 15066
Notes by R.Turrill Time 13:25 - 14:30 Rod No. 31 & 32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From T.O.R.B.M.1-2 To T.O.R.B.M.1-1
Date 14 July 1960
Indexed M.E.Ott

Number of Station	BACKSIGHT Thread Readings	Mean 57128	Thread Intervals	Sum of Intervals 3565	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean 47482	Thread Intervals	Sum of Intervals 3572	DESCRIPTION AND REMARKS
11	5021		188			5987		187		
	4833		188			5800		184		
	4645		376			5616		371		
	14499	4833		3941		17403	5801		3943	
12	4812		185			6071		183		π Le Gault
	4627		187			5888		187		
	4440		372			5701		370		
	13879	4626		4313		17660	5887		4313	
13	4990		187			5410		184		
	4803		183			5226		186		
	4620		370			5040		370		
	14413	4804		4683		15676	5225		4683	
14	5443		185			5230		185		
	5258		188			5045		185		
	5070		373			4860		370		
	15771	5257		5056		15135	5045		5053	
15	5540		187			5335		185		
	5353		183			5150		186		
	5170		370			4964		371		
	16063	5354		5426		15449	5150		5424	
	82002					74590				

F.B. 2447 P.G. 107

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny - clear Inst. No. 15066
Notes by R. Turrill Time 13:25 - 14:30 Rod No. 31832

Name L.A. Co. Precise Level Net
Job No. 0301.02
From TOR. B.M. 1-2 To TOR. B.M. 1-1
Date 14 July 1960
Indexed M.E. OTT

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
		82002		5426			74590		5424	
16	5699		191			5255		184		
	5508		189			5071		180		
	5319		380			4891		364		
	16526	5509		5806		15217	5072		5788	
17	5538		185			5385		188		Summation of Run
	5353		183			5197		190		From Tor. BM 1-2
	5170		368			5007		378		To Tor. BM 1-1
	16061	5354		6174		15589	5196		6166	
18	5618		187			4741		183		Total Backsights = + 98.297'
	5431		183			4558		186		" Foresights = − 89.415'
	5248		370			4372		369		diff. elev = + 8.882'
	16297	5432		6544		13671	4557		6535	
F.B. 2447 PG. 108				60916					60894	TOR. B.M. 1-1 Arlington Ave and Redondo Beach Blvd. see F.B. 2447 Pg 80 for description
	98297					89415				

76P326-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny - Light smog Inst. No. 15066
Notes by Le Gault Time 08:30 - 09:25 Rod No. 31-32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From Tor. BM 1-2 To Tor. BM 1-3
Date 15 July 1960
Indexed H.E. Ott

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	4760 4580 4400		180 180 360			6118 5932 5748		186 184 370		Tor. B.M. 1-2 (F.C.B.M 113-88) Gramercy Place and Dominguez Channel See F.B. 2447-81 for description
	13740	4.580		360	76°	17798	5.933		370	
2	5788 5607 5425		181 182 363			5528 5344 5161		184 183 367		T Bicksler
	16.820	5.607		723		16.033	5.344		737	
3	5568 5384 5203		184 181 365			3891 3709 3525		182 184 366		
	16.155	5.385		1088		11.125	3.708		1103	
4	10653 10470 10285		183 185 368			5000 4814 4629		186 185 371		
	31.408	10.469		1456		14.443	4.814		1474	
5	6337 6151 5968		186 183 369			5850 5669 5488		181 181 362		
	18.456	6.152		1825		17.007	5.669		1836	
		32.193					25.468			

F.B. 2447 P.G. 109

76P526-CE 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 F.E. Brooks Weather Sunny - Light + Smog Inst. No. 15066
Notes by Le Gault Time 08:30-09:25 Rod No. 31-32

Name L.A.C. Precise Level Net
Job No. 0301.02
From Tot. BM 1-2 To Tot. B.M. 1-3
Date 15 July 1960
Indexed H. E. OTT

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	5399	32.193	188	1825		5710	28.468	180	1836	
	5211		186			5530		180		
	5025		374			5350		360		
	15.635	5.212		2199		16.590	5.530		2196	
7	5953		184			7288		190		
	5769		187			7098		190		
	5582		371			6908		380		
	17.304	5.768		2570		21.294	7.098		2576	
8	4309		196			7322		193		
	4113		193			7129		196		
	3920		389			6933		389		
	12.342	4.114		2959		21.384	7.128		2965	
9	4468		196			7425		187		
	4272		192			7238		190		
	4080		388			7048		377		
	12.820	4.273		3347		21.711	7.237		3342	
10	3360		191			6755		190		
	3169		188			6565		190		
	2981		379			6375		380		
	9.510	3.170		3726		19.695	6.565		3722	
	54.730					59.026				

F.B. 2447 PG. 116

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny Light Smog Inst. No. 15066
Notes by LeGault Time 08:30-09:25 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From Tor BM 1-2 To Tor. BM 1-3
Date 15 July 1960
Indexed H. E. Oh

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	5455 5268 5080 15.803	54.730 5.268	187 188 375	3726 4101		7667 7465 7261 22.393	59.026 7.464	202 204 406	3722 4128	
12	4009 3820 3628 11.457	 3.819	189 192 381	 4482		5889 5708 5530 17.127	 5.709	181 178 359	 4487	Summation of Run From Tor. BM 1-2 To Tor BM 1-3
13	7628 7441 7255 22.324	 7.441	187 186 373	 4855		3288 3102 2920 9.310	 3.103	186 182 368	 4855	Total Backsights = + 71.258 Total Foresights = - 75.302 diff. elev. = - 4.044
									4855 9710	tor BM - 1-3 (F.C. BM. 113-89) Western Ave and Dominguez Channel see F.B. 2447 pg 82 for description
		71.258					75.302			

F.B. 2447 P.G. 111

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny Light Smog Inst. No. 15066
Notes by Le Gault Time 09:30 - 10:10 Rod No. 31-32

Name L.A.C. Precise Level Net
Job No. 0301.02
From TBM 1-3 To TBM 1-2
Date 15 July 1960
Indexed H. E. Ott

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	3285		184			7624		186		TBM 1-3 (F.C. B.M. 113-89)
	3101		181			7438		188		Western Ave and Dominguez
	2920		1365			7250		374		Channel see F.B. 2447-82
	9.306	3.102		365	76°	22.312	7.437		374	for description
2	5837		186			3949		187		
	5651		182			3762		183		π Bickslar
	5469		368			3579		370		
	16.957	5.652		733		11.290	3.763		744	
3	7715		200			5510		190		
	7515		200			5320		190		
	7315		400			5130		380		
	22.545	7.515		1133		15.960	5.320		1124	
4 (F.B. 2447 P.G. 112)	6879		191			3480		190		
	6688		193			3290		190		
	6495		384			3100		380		
	20.062	6.687		1517		9.870	3.290		1564	
5	7410		190			4450		193		
	7220		190			4257		192		
	7030		380			4065		385		
	21.660	7.220		1897		12.772	4.257		1889	
	30.176					24.067				

76P126-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny Light Smog Inst. No. 15066
Notes by Le Gault Time 09:30-10:10 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From Tor BM 1-3 To Tor BM 1-2
Date 15 July 1966
Indexed M. E. O'H

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
	7264	30.176	194	1897		4255	24.067	195	1889	
6	7070		190			4060		195		
	6880		384			3865		390		
	21.214	7.071		2281		12.180	4.060		2279	
	7199		191			5866		186		
7	7008		189			5680		190		
	6819		380			5490		376		
	21.026	7.009		2661		17.036	5.679		2655	
	5670		181			5354		184		
8	5489		180			5170		185		
	5309		361			4985		374		
	16.468	5.489		3022		15.514	5.171		3029	
	5958		186			6437		184		
9	5772		182			6253		183		
	5590		368			6070		367		
	17.320	5.773		3390		18.760	6.253		3396	
	5025		185			10680		185		
10	4840		185			10495		185		
	4655		370			10310		370		
	14.520	4.840		3760		31.485	10.495		3766	
	60.358					56.725				

F.B. 2447 P.G. 113

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny Light Smog Inst. No. 15066
Notes by L. Gault Time 09:30-10:10 Rod No. 31-32

Name L.A.C. Precise Level Net
Job No. 0301.02
From Tor BM 1-3 To Tor BM 1-2
Date 15 July 1960
Indexed H. E. OTT

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	3847	60.358	185	3760		5520	55.725	181	3766	
	3662		181			5339		182		
	3481		366	4126		5157		363	4129	
	10.990	3.663				16.016	5.339			
12	5559		184			5820		181		Summation of Run
	5375		185			5639		184		From Tor. B.M. 1-3
	5190		369	4495		5455		365	4494	To Tor. B.M. 1-2
	16.124	5.375				16.914	5.638			
13	6131		182			4775		182		Total Backsights = + 75.346
	5949		181			4593		178		" Foresights = - 71.296
	5768		363	4858		4415		360	4854	diff. elev. = ~~+4.045~~ +4.050
	17.848	5.949				13.783	4.594			
F.B. 2447 P.G. 114										Tor. B.M. 1-2 (F.C.B.M. 113-88) Gramercy Place and Dominguez Channel see F.B. 2447-81 for description
	75.346					71.296				

76P5 6-CE 379—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 Sunny Light Breeze Inst. No. 15066
Notes by Le Gault Time 10:20 – 11:00 Rod No. 31-32

Name L.A.C. Precise Level Net
Job No. 0701.02
From Tor. BM 1-3 To Tor. BM 1-4
Date 15 July 1960
Indexed M. E. Oh

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	5625		185			4331		185		Tor. BM 1-3 (F.C. BM 113-89)
	5440		188			4146		184		Western Ave and Dominguez
	5252		373			3962		369		Channel see F.B. 2447
	16.317	5.439		373	78°	12.439	4.146		369	pg 82 for description
2	8150		185			2365		185		
	7965		183			2180		185		T Bickster
	7782		368			1995		370		
	23.897	7.966		741		6.540	2.180		739	
3	9203		188			2650		181		
	9015		185			2469		184		
	8830		373			2285		365		
	27.048	9.016		1114		7.404	2.468		1104	
4	7791		183			4946		186		
	7608		185			4760		190		
	7423		368			4570		376		
	22.822	7.607		1482		14.276	4.759		1480	
5	6755		184			4759		196		
	6571		183			4563		195		
	6388		367			4368		391		
	19.714	6.571		1849		13.690	4.563		1871	
		36.599					18.116			

F.B. 2447 P.G. 115

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny Light Smog Inst. No. 15066
Notes by Le Gault Time 10:20 - 11:00 Rod No. 31-32

Name L.A.Co. Precise Level Nt
Job No. 0301.02
From Tor. B.M 1-3 To Tor. BM 1-4
Date 15 July 1960
Indexed H. E. OTT

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	6785	36.599	184	1849		4640	18.116	185	1871	
	6601		186			4455		185		
	6415		370			4270		370		
	19.801	6.600		2219		13.365	4.455		2241	
7	6760		188			5055		180		Summation of Run
	6572		184			4875		177		From Tor. BM 1-3
	6388		372			4698		357		To Tor BM 1-4
	19.720	6.573		2591		14.628	4.876		2598	
8	5912		182			6070		182		Total Backsights = +61.125
	5730		185			5888		183		" Foresights = - 39.795
	5545		367			5705		365		diff elev. = +21.330
	17.187	5.729		2958		17.663	5.888		2963	
9	5710		087			6550		090		
	5623		085			6460		091		
	5538		172			6369		181		
	16.871	5.624		3130		19.379	6.460		3144	
									3130	for BM. 1-4
									6274	Western Ave and 181st St.
										see F.B. 2447 - 83
										for description
	61.125 ✓					39.795 ✓				

F.B. 2447 P.G. 116

76P326-CE 379—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 Sunny Light Smog Inst. No. 15066
Notes by Le Gault Time 11:00 – 11:30 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From tor BM 1-4 To tor BM 1-3
Date 15 July 1960
Indexed H. E. Ott

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	6505 6414 6323 19.242	6.414	091 091 182	182	78°	5661 5574 5489 16.724	5.575	087 085 172	192	tor. BM. 1-4 Western Ave and 182nd St. See F.B. 2447-83 for description
2	6008 5824 5640 17.472	5.824	184 184 368	550		5850 5665 5482 16.997	5.666	185 183 368	540	
3	5092 4910 4728 14.730	4.910	182 182 364	914		6790 6605 6422 19.817	6.606	185 183 368	908	
4	4644 4458 4272 13.374	4.458	186 186 372	1286		6785 6601 6417 19.803	6.601	184 184 368	1276	
5	4818 4621 4425 13.864	4.621	197 196 393	1679		6810 6628 6444 19.882	6.627	182 184 366	1642	
		26.227					31.075			

F.B. 2447 P.G. 117

76P526-CE 379—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 Sunny Light Smog Inst. No. 15066
Notes by Le Gault Time 11:00 - 11:30 Rod No. 31-32

Name L.A. Co. Precise Level Nets
Job No. 0301.02
From Tor. BM 1-4 To Tor. BM 1-3
Date 15 July 1960
Indexed H. E. OTT

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	4925 4740 4552 14.217	26.227 4.739	185 188 373	1679 2052		7772 7588 7402 22.762	31.075 7.587	184 186 370	1642 2012	
7	2835 2655 2475 7.965	2.655	180 186 360	2412		9386 9200 9010 27.596	9.199	186 190 376	2388	Summation of Run From Tor. B.M. 1-4 To Tor B.M 1-3
8	2312 2125 1942 6.379	2.126	187 183 370	2782		8095 7909 7725 23.729	7.910	186 184 370	2758	Total Backsights = + 40.049 " Foresights = - 61.363 diff. elev. = - 21.314
9	4485 4302 4120 12.907	4.302	183 182 365	3147		5780 5591 5404 16.775	5.592	189 187 376	3134	
		40.049					61.363			tor BM 1-3 (F.C. B.M. 113-89) Western Ave and Dominguez Channel see F.B. 2447 pg 82 for description

F.B. 2447 P.G. 118

76P 26-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 Sunny - clear Inst. No. 15066
Notes by Le Caulk Time 14:00 - 14:25 Rod No. 31-32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From Tor. BM 1-4 To Tor. BM 1-3
Date 15 July 1960
Indexed H. E. Oil

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
	6136		087			5295		087		Tor. B.M. 1-4
	6049		088			5208		087		Western Ave and 182nd St.
1	5961		175			5121		174		See F.B. 2447-83
	18.146	6.049		175		15.624	5.208		174	for description
	5735		185			5580		185		
	5550		182			5395		185		T = BICKSLER
2	5368		367			5210		370		
	16.653	5.551		542		16.185	5.395		544	
	4725		182			6418		18.6		
	4543		185			6232		182		
3	4358		367			6050		368		
	13.626	4.542		909		18.700	6.233		912	
	4365		185			6569		184		
	4180		185			6325		183		
4	3995		370			6142		367		
	12.540	4.180		1279		18.976	6.325		1279	
	4444		199			6435		185		
	4245		195			6250		185		
5	4050		394			6065		370		
	12.739	4.246		1673		18.750	6.250		1649	
	24.568					29.411				

F.B. 2447 P.G. 119

76P526-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 Sunny Clear Inst. No. 15066
Notes by L. Gault Time 14:00 - 14:25 Rod No. 31-32

Name L. A. Co. Precise Level Net
Job No. 0301.02
From Tor. BM 1-4 To Tor. BM 1-3
Date 15 July 1960
Indexed H. E. Ott

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
	4610	24.568'	185	1673		7460	29.411	185	1649	
	4425		185			7275		185		
6	4240		370			7090		370		
	8.275	4.425		2043		21.825	7.275		2019	
	2344		187			8888		183		Summation of Run From Tor. B.M. 1-4 To Tor. B.M. 1-3
	2157		183			8705		183		
7	1974		370			8522		366		
	6.475	2.158		2413		26.115	8.705		2385	
	1850		190			7625		180		Total Backsights = +36.702
	1660		196			7445		180		" Foresights = -58.018
8	1470		380			7265		360		Diff. elev. = -21.316
	4.980	1.660		2793		22.335	7.445		2745	
	4068		178			5370		196		
	3890		175			5180		192		
9	3715		353			4988		382		
	11.673	3.891		3146		15.538	5.179		3127	
										Tor. B.M. 1-3 (F.C.B.M. 113-89) Western Ave and Dominguez Channel see F.B. 2447 pg 82 for description
		36.702					58.018			

F.B. 2447 PG. 120

76P5 6-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. BROOKS Weather CLEAR Inst. No. 15066
Notes by T.A.B. Time 1130–1320 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 030102
From Tor. BM 1-4 To Tor. BM 1-5
Date 15-July 1960
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	5862	180			5159		187		BM 1-4 TOR
	5682	183			4972		183		Western Ave and 182nd St.
	5499	363			4789		370		see F.B. 2447-83
	17043	5681	363		14920	4973		370	for description
2	5912	183			4899		187		T. D. Le GAULT
	5729	187			4712		191		
	5542	370			4521		378		
	17183	5728	733		14132	4711		748	
3	5746	188			5087		189		
	5558	187			4898		189		
	5371	375			4709		378		
	16675	5558	1108		14694	4898		1126	
4	5639	184			5341		184		
	5455	183			5157		186		
	5272	367			4971		370		
	16366	5455	1475		15469	5156		1496	
5	5649	201			5360		204		
	5448	202			5156		204		
	5246	403			4952		408		
	16343	5448	1878		15468	5156		1904	
		27870				24894			

F.B. 2447 P.G. 121

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. BROOKS Weather CLEAR Inst. No. 15-066
Notes by T. A. B. Time 11:30 - 13:20 Rod No. 31-32

Name L.A.C. Precise Level Net
Job No. 030102
From BM 1-4 TOR To BM 1-5 TOR
Date 15 JULY 1960
Indexed H. E. OTT

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
6	5422 5232 5045 15699	27.870 5233	190 187 377	1878 2255		5167 4971 4778 14916	24.894 4972	196 193 389	1904 2293	T. D. LeGAULT
7	5725 5518 5310 16553	5518	207 208 415	2670		5285 5091 4900 15276	5092	194 191 385	2678	1 hr. LUNCH
8	5518 5321 5125 15964	5321	197 196 393	3063		5462 5262 5062 15786	5262	200 200 400	3078	
9	5642 5448 5255 16345	5448	194 193 387	3450		5400 5202 5008 15610	5203	198 194 392	3470	
10	5885 5693 5501 17.079	5.693	192 192 384	3834		5275 5098 4918 15.291	5.097	177 180 357	3827	
		55.083					50.520			

F.B. 2447 PG. 122

76P526-CE 379—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. BROOKS Weather CLEAR Inst. No. 15066
Notes by T. A. B. Time 11:30-13:20 Rod No. 31-32

Name L.A.Co Precise Level Net
Job No. 03012
From BM 1-4 TOR To BM 1-5 TOR
Date 15 JULY 1960
Indexed H. E. OTT

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	55.48	55.083	.080	3834		62.08	50520	.080	3827	BM 1-5 TOR. Western Ave and 190 th St. see F.B. 2447-84 for description
	54.68		.083			61.28		.080		
	53.85		.163			60.48				
	16.401	54.67		3997		18.384	61.28		3987	
									3997	
									7984	
										Summation of Run From Tor. BM 1-4 To Tor BM 1-5
										Total Backsights = + 60.550
										" Forsights = − 56.648
										diff. elev. = + 3.902
	60.550					56.648				

F.B. 2447 P.G. 123

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. Brooks Weather Clear Inst. No. 15066
Notes by T.H.B. Time 13:20-14:00 Rod No. 31-32

Name L.A. Co. Prouse Level Net
Job No. 03010.2
From BM 1-5 TOR To BM 1-4 TOR
Date 15 July 1960
Indexed H.E. OTT

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	6156		080			5491		081		BM 1-5 TOR
	6076		079			5410		081		Western Ave and 190th St.
	5997		159			5329		162		See F.B. 2447-84
	18229	6076		159		16230	5410		162	for description
2	5220		185			5822		185		
	5035		184			5637		187		T.D. Le Gault
	4851		369			5450		372		
	15106	5035		528		16909	[illegible]		534	
3	5450		195			5689		196		
	5255		197			5493		193		
	5058		392			5300		389		
	15763	5254		920		16482	[illegible]		923	
F.B. 2447 P.G. 124 4	5478		200			5538		196		
	5278		200			5342		197		
	5078		400			5145		395		
	15834	5278		1320		16025	[illegible]		1316	
5	5323		198			5752		203		
	5125		197			5549		204		
	4928		395			5345		407		
	15376	5125		1715		16646	[illegible]		1723	
		26.768					27.431			

76F 326 S & E #379 1-54

PLEASE RETURN TO
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726 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. BROOKS — Weather: CLEAR — Inst. No. 15066
Notes by: T. A. B. — Time: 1320-1400 — Rod No. 31-32

Name: L.A.C. Precise Level Net
Job No. 230102
From: BM 15-70R To: BM 14-70R
Date: 15 JULY 1960
Indexed: H. E. OTT

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
6	5178 4986 4790	26.768	192 196 388	1715		5438 5250 5061	27.431	188 189 377	1723	T. D. LeGAULT
	14954	4985		2103		15749	5250		2100	
7	5433 5199 4992		204 207 411			5643 5487 5290		196 197 393		
	15594	5198		2514		16420	5487		2492	
8	5352 5168 4981		184 187 371			5650 5468 5285		182 183 365		
	15501	5167		2885		16403	5468		2858	
9	5178 4993 4805		188 185 373			5839 5649 5459		190 190 380		
	14976	4991		3258		16947	5649		3238	
10	4879 4693 4510		186 183 369			5920 5737 5528		188 187 375		
	14082	4694		3627		17146	5715		3613	
		51.803					66.000			

F.B. 2441 P.G. 125

76P526 S & E #379 1-54

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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. BROOKS Weather Clear Inst. No. 15066
Notes by T. A. B. Time 1320-14[illegible] Rod No. 31-32

Name A. C. Pearce Level Net
Job No. 030102
From BM 1-5 TOR To BM 1-4 TOR
Date 15 JULY 1960
Indexed N. E. OD

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	5354 5167 4980 15501	51.803 5167	187 187 374	3627 4001		6050 5868 5689 17607	55.000 [illegible]9	182 179 361	3613 3974	T D Le Gault
										BM 1-4 TOR Western Ave and 182nd St. See F.B 2447 - 83 for description
										Summation of Run From Tor. BM 1-5 To Tor BM 1-4
										Total Backsights = + 56.970 " Foresights = - 60.8698 diff. elev. = - 3.8988

F.B. 2447 P.G. 126

56.970 60.868

76P 26-CE 379—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: Sunny, light smog — Inst. No. 15066
Notes by: F.E.B. — Time: 08:35 - 09:40 — Rod No. 31-32

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: Tor. BM 1-5 To: Tor. BM 1-6
Date: 18 July 1960
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
	5.908	~~26.124~~	.175			5.308		.189		Tor. B.M. 1-5
	5.733		.172			5.119		.185		Western Ave and 190th St.
1	5.561		.347			4.934		1.374		See F.B. 2447-84
	17.202	5.734		.347	80°	15.361	5.120		.374	for description
	5.731		.189			5.438		.179		T. Le Gault
	5.542		.187			5.259		.180		
2	5.355		.376			5.079		.359		
	16.628	5.543		.723		15.776	5.259		.733	
	5.499		.187			5.221		.181		
	5.312		.184			5.040		.180		
3	5.128		.371			4.860		.361		
	15.939	5.313		.1.094		15.121	5.040		.1.094	
	5.563		.186			5.197		.176		
	5.377		.189			5.021		.172		
4	5.188		.375			4.849		.348		
	16.128	5.376		.1.469		15.067	5.022		.1.442	
	5.306		.188			5.238		.197		
	5.118		.188			5.041		.193		
5.	4.930		.376			4.848		.390		
	15.354	5.118		.1.845		15.127	5.042		.1.832	

~~53.205~~
27.084

25.483

F.B. 2447 P.G. 127

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 Sunny Inst. No 15066
Notes by F. E. B. Time 08:35-09:40 Rod No. 31-32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From Tor BM 1-5 To Tor BM 1-6
Date 18 July 1960
Indexed M. E. OTT

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
	5.350	27.084	.189	1.845		5.067	2.5483	.189	1.832	
	5.141		.190			4.878		.187		
6.	4.951		.379			4.691		.376		
	15.422	5.141		2.224		14.636	4.879		2.208	
	5.450		.190			5.135		.187		
	5.260		.190			4.948		.188		
7.	5.070		.380			4.760		.375		
	15.780	5.260		2.604		14.843	4.948		2.583	
	5.358		.190			5.275		.195		
	5.168		.190			5.080		.197		
8.	4.978		.380			4.883		.392		
	15.504	5.168		2.984		15.238	5.079		2.975	
	5.488		.189			5.170		.187		
	5.299		.188			4.983		.183		
9	5.111		.377			4.800		.370		
	15.898	5.299		3.361		14.953	4.984		3.345	
	5.441		.189			4.575		.191		
	5.252		.187			4.384		.189		
10	5.065		.376			4.195		.380		
	15.758	5.253		3.737		13.154	4.385		3.725	
		~~26.121~~ 53.205					49.758			

F.B. 2447 P.G. 128

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 Sunny Light Breeze Inst. No. 15066
Notes by F.E.B. Time 08:35-09:40 Rod No. 71-32

Name L.A.C. Precise Level Net
Job No. 0301.02
From Tor BM 1-5 To Tor BM 1-6
Date 18 July 1960
Indexed M. E. Ott

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
	6.161	53.205	.191	3.737		5.655	49.758	.195	3.725	
	5.970		.191			4.860		.191		
11.	5.779		.382			4.669		386		
	17.910	5.970		4.119		14.584	4.861		4.111	
	4.151		.193			6.328		.197		
	3.958		.197			6.131		.193		
12.	3.761		.390			5.938		.390		
	11.870	3.957		4.509		18.397	6.132		4.501	
	4.150		.190			6.660		.192		
	3.960		.190			6.468		.190		
13	3.770		.380			6.278		382		
	11.880	3.960		4.889		19.406	6.469		4.883	
	4.503		205			5.761		.199		
	4.298		208			5.562		.198		
14	4.090		413			5.364		397		
	12.891	4.297		5.302		16.687	5.562		5.280	
	4.849		.197			5.583		.197		
	4.652		.193			5.386		.195		
15	4.459		.390			5.191		.392		
	13.960	4.653		5.692		16.160	5.387		5.672	
		76.042					78.169			

F.B. 2447 P.G. 129

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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 Sunny Inst. No. 15066
Notes by F.E.B. Time 08:35-09:10 Rod No. 31-32

Name L.A.C. Precise L.
Job No. 0301.02
From Tor. BM 1-5 To Tor. BM 1-6
Date 18 July 1960
Indexed H.E.O.

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
	4.800	76.042	.190	5.682		5.363	78.169	.191	5.672	
	4.610		.190			5.172		.190		
16	4.420		.380			4.982		.381		
	13.830	4.610		6.072		15.517	5.172		6.053	
	4.785		.147			5.752		.141		Tor. B.M 1-6
	4.638		.149			5.611		.140		Western Ave and 203rd St.
17	4.489		.296			5.471		.281		See F.B. 2447-85
	13.912	4.637		6.368		16.834	5.611		6.334	for description
F.B. 2447 PG. 130										Summation of Run From Tor BM 1-5 To Tor. BM 1-6
										Total Backsights = + 85.289 " Foresights = − 88.954 diff. elev. = − 3.665
	85.289					88.954				

76P5[illegible]6-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 Sunny Light Smog Inst. No. 15066
Notes by F. E. B. Time 09:45 - 10:45 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From Tor BM 1-6 To Tor BM 1-5
Date 18 July 1966
Indexed M. E. Ott

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
	5.783		.139			4.820		.150		Tor BM 1-6
	5.644		.140			4.670		.150		Western Ave and 203rd St
1	5.504		.279			4.520		300		See F.B. 2447-85
	16.931	5.6431		.279	82°	14.010	4.670		.300	for description
	5.298		.195			4.731		.188		
	5.103		.191			4.543		.185		π LeGault
2	4.912		.386			4.358		.373		
	15.313	5.104		.665		13.632	4.544		.673	
	5.669		.197			4.934		.196		
	5.472		.193			4.738		.198		
3	5.279		.390			4.540		.394		
	16.420	5.473		1.055		14.212	4.737		1.067	
	5.791		.199			4.538		.208		
	5.592		.195			4.330		209		
4	5.397		.394			4.121		.417		
	16.780	5.593		1.449		12.989	4.330		1.484	
	6.593		.194			4.074		.185		
	6.399		.198			3.889		.188		
5	6.201		.392			3.701		.373		
	19.193	6.398		1.841		11.664	3.888		1.857	
		28.211					22.169			

F.B. 2447 P.G. 131

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 Sunny Inst. No. 15066
Notes by F. E. B. Time 09:45-10:45 Rod No. 31-32

Name L. A. Co. Precise Level Net
Job No. 0301.02
From Tor. BM 1-6 To Tor BM 1-5
Date 18 July 1960
Indexed H. E. OTT

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
	6.395	28.211	.195	1.841		4.223	22.169	.193	1.857	
	6.200		.194			4.030		.197		
6	6.006		.389			3.833		.390		
	18.601	6.200		2.230		12.086	4.029		2.247	
	4.910		.195			6.013		191		
	4.715		.194			5.822		.187		
7	4.521		.389			5.635		.378		
	14.146	4.715		2.619		17.470	5.823		2.625	
	4.578		.191			5.447		.188		
	4.387		.188			5.259		.188		
8	4.199		.379			5.071		.376		
	13.164	4.388		2.998		15.777	5.259		3.001	
	5.044		.184			5.359		.189		
	4.860		.185			5.170		.189		
9	4.675		.369			4.981		.378		
	14.579	4.860		3.367		15.510	5.170		3.379	
	5.268		.193			5.358		194		
	5.075		.193			5.164		192		
10	4.882		.386			4.972		386		
	15.225	5.075		3.753		15.494	5.165		3.765	
		53.449					47.615			

F.B. 2447 PG. 132

7

76PS 26-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 Sunny Light smog Inst. No. 15066
Notes by F. E. B. Time 09:45-10:45 Rod No. 31-32

Name L. A. C. Precise Level
Job No. 0301.02
From Ter BM 1-6 To Ter BM 1-5
Date 18 July 1960
Indexed H. E. Ott

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
	5.057	53.449	.189	3.753		5.370	47.615	.190	3.765	
	4.868		.190			5.180		.189		
11	4.678		.379			4.991		.379		
	14.603	4.868		4.132		15.541	5.180		4.144	
	5.170		.190			5.433		.187		
	4.980		.188			5.246		.187		
12	4.792		.378			5.059		.374		
	14.942	4.981		4.510		15.738	5.246		4.518	
	5.165		195			5.230		.188		
	4.970		195			5.042		.184		
13	4.775		390			4.858		.372		
	14.910	4.970		4.900		15.130	5.043		4.890	
	5.159		.175			5.528		.190		
	4.984		.173			5.338		.188		
14	4.811		.348			5.150		.378		
	14.954	4.985		5.248		16.016	5.339		5.268	
	5.108		.188			5.371		.180		
	4.920		.188			5.191		.179		
15	4.732		.376			5.012		.359		
	14.760	4.920		5.624		15.574	5.191		5.627	
		78.173					73.614			

F.B. 2447 P.G. 133

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: Sunny Inst. No. 15066
Notes by: F.E.B. Time: 09:45-10:15 Rod No. 31-32

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: Tor. BM 1-6 To: Tor. BM 1-5
Date: 18 July 1960
Indexed: M.E. Ott

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	5.502	78.173	.182	5.624		5.791	73.614	.183	5.627	
	5.320		.183			5.608		.186		
	5.137		.365			5.422		.369		
	15.959	5.320		5.989		16.821	5.607		5.986	
12.	5.295		.183			5.904		.179		Tor. B.M. 1-5
	5.112		.181			5.725		.175		Western Ave and 190th St
	4.931		.364			5.550		.354		see F.B. 2447-84
	15.338	5.113		6.353		17.179	5.726		6.340	for description
									6353	
									12693	
										Summation of Run From Tor. BM 1-6 To Tor. BM 1-5
										Total Backsights = + 88.606
										" Foresights = − 84.947
										diff. elev. + 3.659
	88.606					84.947				

F.B. 2444 P.G. 134

76P5[illegible]6-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 Sunny Light Fog Inst. No. 15066
Notes by F.E.B. Time 11:27-13:30 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From Tor. BM 1-6 To Tor. BM 1-7
Date 18 July 1960
Indexed H. E. OTT

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
	6.561		.207			4.575		.204		Tor. BM 1-6
	6.344		.206			4.371		.201		Western Ave and 203rd St.
1	6.138		.413			4.170		.405		See F.B. 2447-85
	19.033	6.344		.413	80°	13.116	4.372		.405	for description
	6.110		.204			4.624		.199		
	5.906		.204			4.425		.195		
2	5.702		.408			4.230		.394		
	17.718	5.906		.821		13.279	4.426		.809	
	6.071		.198			4.841		.194		
	5.873		.195			4.647		.192		
3	5.678		.393			4.455		.386		
	17.622	5.874		1.214		13.943	4.648		1.195	
	5.403		.192			6.163		.194		
	5.211		.189			5.969		.196		
4	5.022		.381			5.773		.390		
	15.636	5.212		1.595		17.905	5.968		1.585	
	4.482		.191			6.476		.194		
	4.291		.191			6.282		.191		
5	4.100		.382			6.091		.385		
	12.873	4.291		1.977		18.849	6.283		1.970	
		27.627					25.697			

F.B. 2447 P.G. 135

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 Sunny Light Smog Inst. No. 15066
Notes by F.E.B. Time 11:27 - 13:20 Rod No. 31-32

Name L.A.C. Precise Level Net
Job No. 0301.02
From Tor BM 1-6 To Tor BM 1-7
Date 18 July 1970
Indexed H. E. OTT

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
	4.251	27.627	.192	1.977		6.503	25.697	.198	1.970	
	4.059		.196			6.305		.194		
6	3.863		.388			6.111		.392		
	12.173	4.058		2.365		18.919	6.306		2.362	
	4.484		.194			5.838		.196		1 hr. for Lunch
	4.290		.191			5.642		.193		
7	4.099		.385			5.449		.389		
	12.873	4.291		2.750		16.929	5.643		2.751	
	5.011		.200			5.491		.193		
	4.811		.196			5.298		.194		
8	4.615		.396			5.104		.387		
	14.437	4.812		3.146		15.893	5.298		3.138	
	5.913		.193			4.657		.186		
	5.720		.195			4.471		.183		
9	5.525		.388			4.288		.369		
	17.158	5.719		3.534		13.416	4.472		3.507	
	6.071		.186			5.783		.184		
	5.885		.184			5.599		.186		
10	5.701		.370			5.413		.370		
	17.657	5.886		3.904		16.795	5.598		3.877	
		52.393					53.014			

F.B. 2447 P.G. 136

76P5-6-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 Sunny Light Smog Inst. No. 15066
Notes by F.E.B. Time 11:27 - 13:30 Rod No. 31-32

Name L.A.Co. Precise Level Nat
Job No. 0301.02
From Tor BM 1-6 To Tor. BM 1-7
Date 18 July 1960
Indexed M.E. Ott

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
	2.403	52.353	.182	3904		9.792	53.014	.190	3.877	
	2.221		.179			9.602		.187		
11	2.042		.361			9.415		.377		
	6.666	2.222		4.265		28.809	9.603		4.254	
	1.430		.182			8.552		.182		
	1.248		.183			8.370		.182		
12	1.065		.365			8.188		.364		
	3.743	1.248		4.630		25.110	8.370		4.618	
	6.317		.073			4.460		.077		Tor. B.M. 1-7
	6.244		.073			4.383		.074		Western Ave and Torrance
13.	6.171		.146			4.309		.151		Blvd. See F.B. 2447-86
	18.732	6.244		4.776		13.152	4.384		4.769	for description
									4776	
									9545	Summation of Run
										From Tor. BM 1-6
										To Tor. BM 1-7
										Total Back sights = + 62.109
										" Fore sights = - 75.371
										diff elev. = - 13.264
	62.109					75.371				

F.B. 2447 P.G. 17

3

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 Sunny Light smog Inst. No. 15066
Notes by F.E.B. Time 09:15 - 09:55 Rod No. 31-32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From Tor BM 1-7 To Tor BM 1-6
Date 19 July 1960
Indexed A.E. OTT

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
	4.530		.072			6.390		.077		Tor BM 1-7
	4.458		.075			6.313		.074		Western Ave and Torrance Blvd
1	4.383		.147			6.239		.151		see F.B. 2447-86
	13.371	4.457		.147	74°	18.942	6.314		.151	for description
	8.505		.184			1.383		.182		
	8.321		.183			1.201		.181		
2	8.138		.367			1.020		.363		
	24.964	8.321		.514		3.604	1.201		.514	
	9.678		.186			2.293		.183		
	9.492		.182			2.110		.185		
3	9.310		.368			1.925		.368		
	28.480	9.493		.882		6.328	2.109		.882	
	5.828		.186			6.117		.185		
	5.642		.182			5.932		.181		
4	5.460		.368			5.751		.366		
	16.930	5.643		1.250		17.800	5.933		1.248	
	4.619		.184			5.872		.193		
	4.435		.184			5.679		.196		
5	4.251		.368			5.483		.389		
	13.305	4.435		1.618		17.034	5.678		1.637	
		32.349					21.235			

F.B. 2447 P.G. 138

76P5[illegible]-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 Sunny Light Smog Inst. No. 15066
Notes by F.E. B. Time 09:15 - 09:55 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From Tor. BM 1-7 To Tor. BM 1-6
Date 19 July 1960
Indexed

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
	5.775	32.349	.197	1.618		5.281	21.235	.193	1.637	
	5.578		.198			5.093		.193		
6	5.380		.395			4.900		.386		
	16.733	5.578		2.013		15.279	5.093		2.023	
	5.945		.195			4.585		.192		
	5.750		.195			4.393		.192		
7	5.555		.390			4.201		.384		
	17.250	5.750		2.403		13.179	4.393		2.407	
	6.720		.198			4.472		.194		
	6.522		.195			4.278		.196		
8	6.327		.393			4.082		.390		
	19.569	6.523		2.796		12.832	4.277		2.797	
	6.594		.193			4.602		.191		
	6.401		.191			4.411		.191		
9	6.210		.384			4.220		.382		
	19.205	6.402		3.180		13.233	4.411		3.179	
	6.389		.192			5.639		.196		
	6.197		.194			5.443		.192		
10	6.003		.386			5.251		.388		
	18.589	6.196		3.566		16.333	5.444		3.567	
		62.798					44.853			

F.B. 2447 P.G. 139

76P526-CE 379—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 Sunny Light Smog Inst. No. 15066
Notes by F.E.B. Time 09:15 - 09:55 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From Tor. BM 1-7 To Tor. B.M 1-6
Date 19 July 1960
Indexed H.E. on

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	5.038	62.988	.196	3.566		6.262	44.853	.196	3.567	
	4.842		.193			6.066		.196		
	4.649		.389			5.870		.392		
	14.529	4.843		3.955		18.198	6.066		3.959	
12.	4.859		.198			6.345		.205		
	4.661		.196			6.140		.201		
	4.465		.394			5.939		.406		
	13.985	4.662		4.349		18.424	6.141		4.365	
13.	4.826		.206			6.793		.203		Tor. B.M 1-6
	4.620		.205			6.590		.204		Western Ave and 203rd st.
	4.415		.411			6.386		.409		see F.B. 2447 - 85
	13.861	4.620		4.760		19.769	6.590		4.772	for description
F.B. 2447 P.G. 140										Summation of Run
										From Tor. B.M. 1-7
										To Tor. B.M 1-6
										Total Backsights = + 76.923
										" Foresights = - 63.650
										diff elev = 13.273
		76.923					63.650			

76P5[illegible]6-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny Light Smog Inst. No. 15066
Notes by F. E. B. Time 10:10 - 10:45 Rod No. 31-32

Name L. A. C. Precise Level Net
Job No. 0301.02
From Tor. BM 1-7 To Tor. B.M. 1-8
Date 19 July 1960
Indexed H. E. Jh

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
	5.861		.183			6.268		.183		Tor. B.M. 1-7
	5.678		.185			6.085		.183		Western Ave and Torrance Blvd.
1	5.493		.368			5.902		.366		See F.B. 2447-86
	17.032	5.677		.368	80°	18.255	6.085		.366	for description
	7.352		.182			2.318		.185		
	7.170		.186			2.133		.183		T Turrill
2	6.984		.368			1.950		.368		
	21.506	7.169		.736		6.401	2.134		.734	
	9.229		.187			2.264		.181		
	9.042		.183			2.083		.183		
3.	8.859		.370			1.900		.364		
	27.130	9.043		1.106		6.247	2.082		.1098	
	7.802		.181			4.081		.188		
	7.621		.182			3.893		.186		
4.	7.439		.363			3.707		.374		
	22.862	7.621		1.469		11.681	3.894		1.472	
	5.952		.183			5.032		.187		
	5.769		.182			4.845		.184		
5.	5.587		.365			4.661		.371		
	17.308	5.769		1.834		14.538	4.846		1.843	
		35.279					19.041			

F.B. 2447 P.G. 141

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny Light smog Inst. No. 15066
Notes by F.E.B. Time 10:10 - 10:45 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From Tor. BM 1-7 To Tor B.M 1-8
Date 19 July 1960
Indexed M. E. OTT

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
	5.843	35.279	.185	1.834		5.064	19.041	.186	1.843	
	5.658		.187			4.878		.188		
6	5.471		.372			4.690		.374		
	16.972	5.657		2.206		14.632	4.877		2.217	
	5.867		.187			5.353		.185		Summation of Run
	5.680		.190			5.168		.185		From Tor. B.M. 1-7
7	5.490		.377			4.983		.370		To Tor. B.M. 1-8
	17.037	5.679		2.583		15.504	5.168		2.587	
	6.069		.187			5.212		.187		Total Backsights = + 63.719
	5.882		.184			5.025		.185		" Foresights = - 44.357
8	5.698		.371			4.840		.372		diff. elev. = + 19.362
	17.649	5.883		2.954		15.077	5.026		2.959	
	5.764		.184			5.176		.187		
	5.580		.188			4.989		.186		
9	5.392		.372			4.803		.373		
	16.736	5.579		3.326		14.968	4.989		2.332	
	5.798		.156			5.410		.153		Tor. B.M 1-8
	5.642		.157			5.257		.155		Western Ave. and Carson St.
10	5.485		.313			5.102		.308		See F.B. 2447-87
	16.925	5.642		3.639		15.769	5.256		3.640	for description
		63.719					44.357		3.639	
									7.279	

F.B. 2447 P.G. 142

76P5-26-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 Sunny Light smog Inst. No. 15066
Notes by F.E.B. Time 10:45 - 11:20 Rod No. 31-32

Name L.A.C. Precise
Job No. 0301.02
From Tor BM 1-8 To Tor. BM 1-7
Date 19 July 1960
Indexed H.E. Ott

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
	5.294		.153			5.680		.157		Tor BM 1-8
	5.141		.154			5.523		.154		Wester. Ave. and Carson St.
1	4.987		.307			5.369		.311		See F.B. 2447-87
	15.422	5.141		.307	80°	16.572	5.524		.311	for description
	5.166		.188			5.751		.183		
	4.978		.186			5.568		.184		T Turrill
2	4.792		.374			5.384		.367		
	14.936	4.979		.681		16.703	5.568		.678	
	5.158		.189			6.009		.186		
	4.969		.187			5.823		.186		
3	4.782		.376			5.637		.372		
	14.909	4.970		1.057		17.469	5.823		1.050	
	5.301		.188			5.808		.186		
	5.113		.186			5.622		.185		
4	4.927		.374			5.437		.371		
	15.341	5.114		1.431		16.867	5.622		1.421	
	5.190		.186			5.969		.185		
	5.004		.183			5.784		.186		
5	4.821		.369			5.598		.371		
	15.015	5.005		1.800		17.351	5.784		1.792	
		25.209					28.321			

F.B. 2447 P.G. 143

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny Inst. No. 15066
Notes by F.E.B. Time 10:45-11:20 Rod No. 31-32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From Tor. BM 1-8 To Tor. BM 1-7
Date 19 July 1960
Indexed H.E. Ott

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
	5.312	25.209	.185	1.800		6.230	28.321	.181	1.792	
	5.127		.185			6.049		.185		
6	4.942		.370			5.864		.366		
	15.381	5.127		2.170		18.143	6.048		2.158	
	4.021		.184			7.746		.185		Summation of Run
	3.837		.187			7.561		.183		From Tor. B.M. 1-8
7.	3.650		.371			7.378		.368		To Tor. B.M. 1-7
	11.508	3.836		2.541		22.685	7.562		2.526	
	2.168		.181			9.130		.184		Total Backsights = + 44.489
	1.987		.182			8.946		.185		" Foresights = − 63.835
8	1.805		.363			8.761		.369		diff. elev. = − 19.346
	5.960	1.987		2.904		26.837	8.946		2.895	
	2.364		.182			7.405		.185		
	2.182		.181			7.220		.188		
9	2.001		.363			7.032		.373		
	6.547	2.182		3.267		21.657	7.219		3.268	
	6.334		.185			5.922		.181		Tor. B.M. 1-7
	6.149		.184			5.741		.183		Western Ave and Torrance Blvd
10	5.965		.369			5.558		.364		see F.B. 2447-86
	18.448	6.149		2.636		17.221	5.740		2.632	for description
		44.489					63.835			

F.B. 2447 PG. 144

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny 2:30 Smog Inst. No. 16066
Notes by F.E.B. Time 14:05 - 14:45 Rod No. 31-32

Name L.A.C. Precise Level Net
Job No. 0301.02
From Tor BM1-7 To Tor B.M 1-8
Date 26 July 1960
Indexed M. E. Ott

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
	5.812		.182			6.224		.184		Tor. BM1-7
	5.630		.181			6.040		.185		Western Ave and Torrance Blvd
1	5.449		.363			5.855		1.369		see F.B. 2447-86
	16.891	5.630		.363	96°	18.119	6.040		.369	for description
	7.402		.183			2.363		.182		
	7.219		.187			2.181		.184		T Turrill
2	7.032		.370			1.997		.366		
	21.653	7.218		.733		6.541	2.180		.735	
	9.091		.184			2.128		.184		
	8.907		.184			1.944		.181		
3	8.723		.368			1.763		.365		
	26.721	8.907		1.101		5.835	1.945		1.100	
	7.740		.184			4.012		.184		
	7.556		.183			3.828		.185		
4	7.373		.367			3.643		.369		
	22.669	7.556		1.468		11.483	3.828		1.469	
	6.151		.183			5.230		.186		
	5.968		.184			5.044		.184		
5	5.784		.367			4.860		.390		
	17.903	5.968		1.835		15.134	5.045		1.879	
			35.279					19.038		

F.B. 2447 P.G. 142

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F.E. Brooks Weather: sunny 1.34 sw 3 Inst. No. 15066
Notes by: F.E.B. Time: 14:05 - 14:45 Rod No. 31-32

Name: L.A.Co. Precise Level Net
Job No. 0301.02
From: Tor. BM 1-7 To: Tor. BM 1-8
Date: 21 July 1960
Indexed: F. Ott

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
	5.930	35.279	.185	1.835		5.148	19.038	.187	1.839	
	5.745		.186			4.964		.183		
6	5.559		.371			4.778		.370		
	17.234	5.745		2.206		14.887	4.962		2.209	
	5.893		.185			5.386		.186		Summation of Run
	5.708		.183			5.200		.190		From Tor. B.M 1-7
7	5.525		.368			5.010		.376		To Tor. B.M 1-8
	17.126	5.709		2.574		15.596	5.199		2.585	
	6.070		.188			5.211		.184		Total Backsights = + 64.126
	5.882		.185			5.027		.184		" Foresights = - 44.763
8	5.697		.373			4.843		.368		diff. elev. = + 19.363
	17.649	5.883		2.947		15.081	5.027		2.953	
	5.917		.187			5.328		.186		
	5.730		.185			5.142		.182		
9	5.545		.372			4.960		.368		
	17.192	5.731		3.219		15.430	5.143		3.321	
	5.932		.152			5.549		.156		Tor. BM 1-7
	5.780		.155			5.393		.153		Western Ave and Carson St
10	5.625		.307			5.240		.309		see F.B. 2447-87
	17.337	5.779		3.526		16.182	5.394		3.330	for description
	64.126					44.763				

F.B. 2447 P.G. 146

76P5[illegible]6-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny Light Breeze Inst. No. 15066
Notes by F.E.B. Time 11:35 - 14:15 Rod No. 31-32

Name L.A.C. Precise Level Net
Job No. 0301.02
From Tor. BM 1-8 To Tor. BM 1-9
Date 19 July 1960
Indexed H.E. Ott

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
	5.745		.183			5.328		.182		Tor. B.M 1-8
	5.562		.184			5.146		.181		Western Ave and Carson St
	5.378		.367			4.965		.363		see F.B. 2447-87
1.	16.685	5.562		.367	80°	15.439	5.146		363	for description
	5.388		.186			4.889		.186		
	5.202		.184			4.703		.185		π Le Gault
2.	5.018		.370			4.518		.371		
	15.608	5.203		.737		14.110	4.703		.734	
	5.462		.187			4.983		.185		
	5.275		.185			4.798		.186		
3.	5.090		.372			4.612		.371		
	15.827	5.276		1.109		14.393	4.798		1.105	
	5.508		.190			5.050		.188		
	5.318		.187			4.862		.184		
4.	5.131		.377			4.678		.372		
	15.957	5.319		1.486		14.590	4.863		1.477	
	6.419		.188			6.142		.187		
	6.231		.188			5.955		.185		
5.	6.043		.376			5.770		.372		
	18.693	6.231		1.862		17.867	5.956		1.849	
		27.591					25.466			

P.B. 2447 P.G. 154

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny Light smog Inst. No. 15066
Notes by F.E.B. Time 11:35-14:15 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From Tor. BM 1-8 To Tor. BM 1-9
Date 19 July 1960
Indexed H. F. OTT

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
	5.401	27.591	.186	1.862		5.612	25.466	.185	1.849	
	5.215		.185			5.427		.187		
6.	5.030		.371			5.240		.372		
	15.646	5.215		2.233		16.279	5.426		2.221	
	5.193		.184			5.831		.183		1 hr. for lunch
	5.009		.187			5.648		.185		
7.	4.822		.371			5.463		.368		
	15.024	5.008		2.604		16.942	5.647		2.589	
	5.011		.183			5.430		.186		
	4.828		.186			5.244		.184		
8	4.642		.369			5.060		.370		
	14.481	4.827		2.973		15.734	5.245		2.959	
	4.929		.184			5.855		.186		
	4.745		.181			5.669		.189		
9	4.564		.365			5.480		.375		
	14.238	4.746		3.338		17.004	5.668		3.334	
	5.182		.184			5.615		.185		
	4.998		.186			5.430		.188		
10	4.812		.370			5.242		.373		
	14.992	4.997		3.708		16.287	5.429		3.707	
		52.384					52.881			

F.B. 3417 PG. 148

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny Light Smog Inst. No. 15066
Notes by F.E.B. Time 11:35 - 14:15 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From Tor BM1-8 To Tor BM1-9
Date 19 July 1960
Indexed H. E. ON

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
	5.495	52.384	.187	3.708		5.102	52.881	.183	3.707	
	5.308		.188			4.919		.183		
11	5.120		.375			4.736		.366		
	15.923	5.308		4.083		14.757	4.919		4.073	
	5.757		.185			5.018		.193		
	5.572		.182			4.825		.190		
12	5.390		.367			4.635		.383		
	16.719	5.573		4.450		14.478	4.826		4.456	
	6.093		.188			5.250		.186		
	5.905		.186			5.064		.184		
13	5.719		.374			4.880		.370		
	17.717	5.906		4.824		15.194	5.065		4.826	
	5.685		.185			5.042		.186		
	5.500		.184			4.856		.185		
14	5.316		.369			4.671		.371		
	16.501	5.500		5.193		14.569	4.856		5.197	
	7.050		.188			3.390		.185		
	6.862		.184			3.205		.186		
15	6.678		.372			3.019		.371		
	20.590	6.863		5.565		9.614	3.205		5.568	
		81.534					75.752			

F.B. R447 P.G. 149

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 Sunny Inst. No. K5066
Notes by F.E.B. Time 11:36-14:15 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From Tor. BM 1-B To Tor. BM 1-9
Date 19 July 1960
Indexed M.E. OK

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
	7.732	81.534	.183	5.565		3.458	75.752	.186	5.568	
	7.549		.187			3.272		.184		
16	7.362		.370			3.088		.370		
	22.643	7.548		5.935		9.818	3.273		5.938	
	6.664		.186			5.154		.185		
	6.478		.187			4.969		.187		
17	6.291		.373			4.782		.372		
	19.433	6.478		6.308		14.905	4.968		6.310	
	4.781		.187			6.505		.185		
	4.594		.185			6.320		.188		
18	4.409		.372			6.132		.373		
	13.784	4.595		6.680		18.957	6.319		6.683	
	4.093		.185			6.395		.185		
	3.908		.186			6.210		.185		
19	3.722		.371			6.025		.370		
	11.723	3.908		7.051		18.630	6.210		7.053	
	4.838		.187			5.684		.185		
	4.651		.183			5.499		.188		
20	4.468		.370			5.311		.373		
	13.957	4.652		7.421		16.494	5.498		7.426	
		108.715					102.020			

F.B. 244 P.G. 150

76P526-CE 379—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 Sunny Light Smog Inst. No. 15066
Notes by F.E.B. Time 11:35 - 14:15 Rod No. 31-32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From Tor BM 1-8 To Tor BM 1-9
Date 19 July 1960
Indexed [illegible]

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
	5.208	108.715	.187	7.421		5.818	102.020	.186	7.426	
	5.021		.183			5.632		.182		
21	4.838		370			5.450		.368		
	15.067	5.022		7.791		16.900	5.633		7.794	
	5.409		.069			5.991		.068		Tor. B.M. 1-9
	5.340		091			5.923		.067		Western Ave and Sepulveda
22	5.269		140			5.856		.135		Blvd. see F.B. 2447-88
	16.018	5.339		7.931		17.770	5.923		7.929	for description
									7931	
									15860	
										Summation of Run
										From Tor. BM 1-8
										To Tor. BM 1-9
										Total Backsights = + 119.076
										" Foresights = - 113.576
										diff. elev. = + 5.500
		119.076					113.576			

F.B. 2447 P.G. 151

76P526-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 F. E. Brooks Weather Sunny Light Sunny Inst. No. 15066
Notes by F. E. B. Time 08:30-09:40 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From Tor BM 1-9 To Tor BM 1-8
Date 20 July 1960
Indexed H. E. on

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
	6.070		.068			5.488		.068		Tor BM 1-9
	6.002		.067			5.420		.069		Western Ave and Sepulveda
1	5.935		.135			5.351		.137		Blvd. see F.B. 2447-88
	18.007	6.002		.135	76°	16.259	5.420		.137	for description
	5.833		.183			5.225		.186		
	5.650		.183			5.039		.188		π LeGault
2	5.467		.366			4.851		.374		
	16.950	5.650		.501		15.115	5.038		.511	
	5.771		.186			4.927		.188		
	5.585		.186			4.739		.188		
3	5.399		.372			4.551		.376		
	16.755	5585		.873		14.217	4.739		.887	
	6.429		.187			4.129		.187		
	6.242		.183			3.942		.183		
4	6.059		.370			3.759		.370		
	18.730	6.243		1.243		11830	3.943		1.257	
	6.535		.186			4.810		.188		
	6.349		.185			4.622		.184		
5	6.164		.371			4.438		.372		
	19.048	6.349		1.614		13870	4.623		1.629	
		29.829					23.763			

F.B. 2447 P.G. 152

76P526-CE 379—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: Sunny Light Smog Inst. No. 15066
Notes by: F.E.B. Time: 08:30-09:40 Rod No. 31-32

Name: L.A.Co. Precise Level Net
Job No. 0301.02
From: Tor. BM 1-9 To: Tor. BM 1-8
Date: 20 July 1960
Indexed: M. E. OTT

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
	5.148	29.829	.187	1.614		6.654	23.763	.184	1.629	
	4.961		.186			6.470		.187		
6	4.775		.373			6.283		.371		
	14884	4961		1.987		19.407	6469		2.000	
	3.463		.187			7.735		.184		
	3.276		.187			7.551		.182		
7	3.089		.374			7.369		.366		
	9.828	3276		2.361		22.655	7.552		2.366	
	3.369		.187			7.030		.187		
	3.182		.183			6.843		.184		
8	2.999		.370			6.659		.371		
	9.550	3.183		2.731		20.532	6844		2.737	
	4.978		.188			5.620		.185		
	4.790		.188			5.435		.185		
9	4.602		.376			5.250		.370		
	14.370	4.790		3.107		16.305	5435		3.107	
	5.264		.184			6.112		.189		
	5.080		.184			5.923		.185		
10	4.896		.368			5.738		.374		
	15740	5080		3.475		17773	5924		3.481	
		51.119					56.987			

F.B. 2440 P.G. 153

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 Sunny Inst. No. 15066
Notes by F.E.B. Time 08:30-08:40 Rod No. 31-32

Name L.A.C. Precise Level Net
Job No. 0301.02
From Tor BM 1-9 To Tor BM 1-8
Date 20 July 1960
Indexed M.E.O.

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
	4.933	51.119	.190	3.485		5.677	55.987	.187	3.481	
	4.743		.190			5.490		.187		
11.	4.553		.380			5.303		.374		
	14.229	4743		3.855		16.470	5490		3.855	
	5.091		.182			5.484		.186		
	4.909		.184			5.298		.188		
12	4.725		.366			5.110		.374		
	14.725	4908		4.221		15.892	5297		4.229	
	5.659		.188			5.224		.185		
	5.471		.187			5.039		.186		
13	5.284		.375			4.853		.371		
	16.414	5471		4.596		15.116	5039		4.600	
	5.830		.186			4.911		.183		
	5.644		.183			4.728		.187		
14	5.461		.369			4.541		.370		
	16.935	5645		4.965		14.180	4727		4.970	
	5.529		.187			5.107		.187		
	5.342		.184			4.920		.183		
15	5.158		.371			4.737		.370		
	16.029	5343		5.336		14.764	4921		5.340	
		77.289					81.461			
		31								

F.B. 2447 P.G. 154

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76P526-CE 379—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 Sunny Light smog Inst. No. 15066
Notes by F.E.B. Time 08:30-09:40 Rod No. 31-32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From Tor. BM 1-9 To Tor. BM 1-8
Date 20 July 1960
Indexed H.E. OLD

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
	5.811	77.229 31	.183	5.336		5.175	81.461	.185	5.340	
	5.628		.187			4.990		.186		
16	5.441		.370			4.804		.371		
	16.880	5.627		5.706		14.969	4.990		5.711	
	5.695		.184			5.488		.189		
	5.511		.185			5.299		.188		
17	5.326		.369			5.111		.377		
	16.532	5.511		6.075		15.898	5.299		6.088	
	5.322		.189			5.592		.181		
	5.133		.187			5.411		.182		
18	4.946		.376			5.229		.363		
	15.401	5.134		6.451		16.232	5.411		6.451	
	5.161		.184			5.618		.188		
	4.977		.187			5.430		.186		
19	4.790		.371			5.244		.374		
	14.928	4.976		6.822		16.292	5.431		6.825	
	5.390		.187			5.868		.188		
	5.203		.187			5.680		.185		
20	5.016		.374			5.495		.373		
	15.609	5.203		7.196		17.043	5.681		7.198	
		103.680					108.273			

F.B. 2447 P.G. 155

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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 Sunny Inst. No. 15066
Notes by F.E.B. Time 08:30 - 09:40 Rod No. 31-32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From Tor. B.M. 1-9 To Tor. B.M. 1-8
Date 20 July 1960
Indexed H. E. Ott

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
	4.784	103.680	.185	7.196		5.283	108.273	.185	7.198	
	4.599		.188			5.098		.187		
21	4.411		.373			4.911		.372		
	13794	4598		7.569		15292	5097		7.570	
	5.301		.181			5721		184		Tor. BM 1-8
	5.120		.180			5537		187		Western Ave and Carson St.
22.	4.940		361			5350		371		See F.B. 2447-87
	15361	5120		7.930		16608	5536		7.941	for description.
										Summation of Run
										From Tor BM 1-9
										To Tor. B.M 1-10
										Total Backsights = + 113.398
										" Foresights = - 118.906
										diff. elev. = - 5.508
		113.398					118.906			

10

F.B. 2447 P.G. 156

76F 326-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 Sunny Light Smog Inst. No. 15066
Notes by F.E.B. Time 09:50 - 11:30 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From Tot BM 1-9 To Tot BM 1-10
Date 20 July 1960
Indexed H. E. OTT

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
	5.988		.180			4.606		.185		Tot. B.M. 1-9
	5.808		.181			4.421		.187		Western Ave. and Sepulveda
1	5.627		.361			4.234		.372		Blvd. see F.B. 2447-88
	17.423	5.808		.361		13.261	4.420		.372	for description.
	6.950		.185			4.128		.186		
	6.765		.184			3.942		.184		
2	6.581		.369			3.758		.370		
	20.296	6.765		.730		11.828	3.943		.742	
	5.872		.185			6.389		.182		
	5.687		.186			6.207		.184		
3	5.501		.371			6.023		.366		
	17.060	5.687		1.101		18.619	6.206		1.108	
	4.658		.186			6.323		.187		
	4.472		.187			6.136		.186		
4	4.285		.373			5.950		.363		
	13.415	4.472		1.474		18.409	6.136		1.471	
	4.611		.185			5.858		.187		
	4.426		.186			5.671		.185		
5	4.240		.371			5.486		.372		
	13.277	4.426		1.845		17.015	5.672		1.843	
		27.158					26.379			

F.B. 2447 P.G. 157

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 Sunny Light Smog Inst. No. 15066
Notes by F.E.B Time 09:50 - 11:30 Rod No. 31-32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From Tor BM 1-9 To Tor BM 1-10
Date 20 July 1960
Indexed H.E. Ott

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
	5.366	27.158	.183	1.845		5.150	26.377	.182	1.843	
	5.177		.187			4.968		.185		
6	4.990		.370			4.783		.367		
	15.527	5.176		2.215		14.901	4.967		2.210	
	5.870		.183			5.056		.186		
	5.687		.187			4.870		.190		
7.	5.500		.370			4.680		.376		
	17.057	5.686		2.585		14.606	4.869		2.586	
	5.973		.186			5.032		.184		
	5.787		.187			4.848		.188		
8	5.600		.373			4.660		.372		
	17.360	5.787		2.958		14.540	4.847		2.958	
	5.725		.185			4.829		.185		
	5.540		.182			4.644		.185		
9.	5.358		.367			4.459		.370		
	16.623	5.541		3.325		13.932	4.644		3.328	
	5.763		.168			5.370		.190		
	5.595		.170			5.180		.189		
10	5.425		.338			4.991		.379		
	16.783	5.594		3.663		15.541	5.180		3.707	
		54.942					50.884			

F.B. 2447 P.G. 158

76P526-CE 379--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 Sunny Light Smog Inst. No. 15066
Notes by F.E.B. Time 09:50 – 11:30 Rod No. 31-32

Name L.A.C. Precise Level Net
Job No. 0301.02
From Tol. BM 1-9 To Tol. BM 1-10
Date 20 July 1960
Indexed H.E. OTT

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
	6.028	54.942	.190	3.663		5.021	50.884	.173	3.707	
	5.838		.188			4.848		.177		
11	5.650		.378			4.671		.350		
	17.516	5.839		4.041		14.540	4.847		4.057	
	5.753		.184			5.430		.181		
	5.569		.188			5.249		.181		
12	5.381		.372			5.068		.362		
	16.703	5.568		4.413		15.747	5.249		4.419	
	5.244		.184			5.598		.190		
	5.060		.182			5.408		.190		
13	4.878		.366			5.218		.380		
	15.182	5.061		4.779		16.224	5.408		4.799	
	5.252		.191			5.706		.184		
	5.061		.191			5.522		.184		
14	4.870		.382			5.338		.368		
	15.183	5.061		5.161		16.566	5.522		5.167	
	5.222		.191			5.781		.197		
	5.031		.192			5.584		.193		
15	4.839		.383			5.391		.390		
	15.092	5.031		5.544		16.756	5.585		5.557	
		81.~~502~~ 477					77.495			

F.B. 2447 PG. 158

3

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 Sunny Light Smog Inst. No. 15066
Notes by F.E.B. Time 09:50 - 11:30 Rod No. 31-32

Name L.A.C. Precise Level Net
Job No. 0301.02
From Tor BM 1-9 To Tor BM 1-10
Date 20 July 1960
Indexed H.E. OTT

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
	5.250	81.~~599~~ 499	.191	5.544		5.800	77.495	.182	5.557	
	5.059		.191			5.618		.184		
16	4.868		.382			5.434		.366		
	15.177	5.059		5.926		16.852	5.617		5.923	
	5.380		.187			5.841		.190		
	5.193		.184			5.651		.188		
17	5.009		.371			5.463		.378		
	15.582	5.194		6.297		16.955	5.652		6.301	
	5.310		.182			5.562		.182		
	5.128		.180			5.380		.181		
18	4.948		.362			5.199		.363		
	15.386	5.129		6.659		16.141	5.380		6.664	
	5.081		.182			5.783		.181		
	4.899		.182			5.602		.180		
19	4.717		.364			5.422		.361		
	14.697	4.899		7.023		16.807	5.602		7.025	
	5.161		.190			5.797		.186		
	4.971		.190			5.611		.184		
20	4.781		.380			5.427		.370		
	14.913	4.971		7.403		16.835	5.612		7.395	
		106.754					105.358			

F.B. 3447 PG. 160

76PE26-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 Sunny Light Smog Inst. No. 15066
Notes by F.E.B. Time 09:50 – 11:30 Rod No. 31-32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From Tot BM 1-9 To Tot BM 1-10
Date 20 July 1960
Indexed H. E. Ott

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
	5.325	106.454	.183	7.403		5.843	105.358	.183	7.395	
	5.142		.182			5.660		.184		
21	4.960		.365			5.476		.367		
	15.427	5.142		7.768		16.979	5.660		7.762	
	5.282		.184			5.705		.184		
	5.098		.187			5.521		.182		
22	4.911		.371			5.339		.366		
	15.291	5.097		8.139		16.565	5.522		8.128	
	5.103		.182			5.683		.191		
	4.921		.181			5.492		.190		
23	4.740		.363			5.302		.381		
	14.764	4.921		8.502		16.477	5.492		8.509	
	5.376		.184			5.808		.188		
	5.192		.181			5.620		.185		
24	5.011		.365			5.435		.373		
	15.579	5.193		8.867		16.863	5.621		8.882	
	4.250		.187			7.590		.187		
	4.063		.183			7.403		.186		
25	3.880		.370			7.217		.373		
	12.193	4.064		9.237		22.210	7.403		9.255	
	131.171					135.056				

F.B. 2442 P.G. 161

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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 Sunny, Light Smog Inst. No. 15066
Notes by FEB Time 09:50 - 11:30 Rod No. 31-32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From Tor. BM 1-9 To Tor. BM 1-10
Date 20 July 1960
Indexed H. F. OD

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
26	2.024	131.171	.187	9.237		8.678	135.056	.186	9.255	Summation of Run From Tor. BM 1-9 To Tor. BM 1-10
	1.837		.189			8.492		.182		
	1.648		.376			8.310		.368		
	5.509	1.836		9.613		25.480	8.493		9.623	
27	3.471		.192			5.738		.194		Total Backsights = + 147.545
	3.279		.191			5.544		.192		" Foresights = − 159.613
	3.088	3.279 ?	.383			5.352		.386		diff. elev = − 12.068
	9.838	3.279		9.996		16.634	5.545		10.009	
28	5.978		.188			4.683		.184		
	5.790		.189			4.499		.187		
	5.601		.377			4.312		.371		
	17.369	5.790		10.773		13.494	4.498		10.780	
29	5.552		.082			6.110		.089		Tor. B.M. 1-10 Western Ave and Lomita Blvd See F.B. 2447-89 for description
	5.470		.084			6.021		.088		
	5.386		.166			5.933		.177		
	16.408	5.469		10.539		18.064	6.021		10.557	
									10539	
									21096	
	147.545 ?					159.613				

F.B. 2447 P.G. 162

76P 26-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 Sunny Light Breeze Inst. No. 15066
Notes by F. E. B. Time 13:00 - 14:45 Rod No. 31-32

Name L.A.C. Precise Level Net
Job No. 0301.02
From Tor. BM 1-10 To Tor. BM 1-9
Date 20 July 1960
Indexed H. E. Utt

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
	6.101		.087			5.546		.085		Tor. B.M. 1-10
	6.014		.086			5.461		.083		Western Ave and Lomita
1	5.928		.173			5.378		168		Blvd. see F.B. 2447-89
	18.043	6.014		.173	86°	16.385	5.462		.168	for description
	4.690		.185			5.982		.187		
	4.505		.187			5.795		.185		
2	4.318		.372			5.610		.372		
	13.513	4.504		.545		17.387	5.796		.530	
	5.710		.192			5.445		.194		
	5.518		.190			5.251 (3.252?)		.190		
3	5.328		.382			5.061		384		
	16.556	5.519		.927		15.757	5.252		.914	
	8.683		.182			2.028		.190		
	8.501		.186			1.838		.186		
4	8.315		.368			1.652		.376		
	25.499	8.500		1.295		5.518	1.839		1.290	
	7.623		.185			4.280		.183		
	7.438		.188			4.097		.186		
5	7.250		.373			3.911		.369		
	22.311	7.437		1.668		12.288	4.096		1.659	
		31.974					22.445			

F.B. 2447 P.G. 163

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: Sunny Light Smog Inst. No.: 15066
Notes by: F.E.B. Time: 13:00 – 14:45 Rod No.: 31-32

Name: L.A.Co. Precise Level Net
Job No.: 0301.02
From: Tov. BM 1-10 To: Tov. BM 1-9
Date: 20 July 1960
Indexed: M. E. Q.

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
	5.755	31.974	.184	1.668		5.330	22.445	.185	1.659	
	5.571		.183			5.145		.185		
6	5.388		.367			4.960		.370		
	16.714	5.571		2.035		15.435	5.145		1.029	
	5.690		.189			5.110		.182		
	5.501		.190			4.928		.185		
7	5.311		.379			4.743		.367		
	16.502	5.501		2.414		14.781	4.927		2.396	
	5.671		.185			5.249		.187		
	5.486		.184			5.062		.184		
8	5.302		.369			4.878		.371		
	16.459	5.486		2.783		15.189	5.063		2.767	
	5.758		.180			5.244		.185		
	5.578		.181			5.059		.187		
9	5.397		.361			4.872		.372		
	16.733	5.578		3.144		15.175	5.058		3.139	
	5.770		.187			5.131		.189		
	5.583		.183			4.942		.191		
10	5.400		.370			4.751		.380		
	16.753	5.584		3.514		14.824	4.941		3.519	
		59.684					47.579			

F.B. 2447 P.G. 164

76P52-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: Sunny Light wind Inst. No. 15066
Notes by: F.E.B. Time: 13:00 - 14:45 Rod No. 31-32

Name: L.A.Co. Precise Level Net
Job No. 0301.02
From: Tor. BM1-10 To: Tor BM1-9
Date: 20 July 1960
Indexed: H. E. Uff

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
	5.888	59.694	.180	3514		5.182	47.579	.182	3.519	
	5.708		.181			5.000		.182		
11	5.527		.361			4.818		.364		
	17.123	5.708		3.875		15.000	5.000		3.883	
	5.569		.181			5.311		.179		
	5.388		.185			5.132		.181		
12	5.203		.366			4.951		.370		
	16.110	5.387		4.241		15.394	5.131		4.253	
	5.792		.190			5.328		.186		
	5.602		.190			5.142		.183		
13	5.412		380			4.959		.369		
	16.806	5.602		4.621		15.429	5.143		4.622	
	5.755		.185			5.208		.196		
	5.570		.181			5.012		.192		
14	5.389		.366			4.820		.388		
	16.714	5.571		4.987		15.040	5.013		5.010	
	5.723		.200			5.155		.186		
	5.523		.201			4.969		.189		
15	5.322		.401			4.780		.375		
	16.568	5.523		5.788		14.904	4.968		5.385	
		87.485					72.834			

F.B. 2440 P.G. 165

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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 Sunny 21°F wind Inst. No. 15066
Notes by F.E.B. Time 13:00 - 14:45 Rod No. 31-32

Name L.A.C. Precise Level Net
Job No. 0301.02
From Tar BM1-10 To Tar BM1-9
Date 20 July 1960
Indexed R. E. OTT

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
	5.728	87.485	.188	5.388		5.268	72.834	.189	5.385	
	5.540		.188			5.079		.188		
16	5.352		.376			4.891		.377		
	16.620	5.540		5.764		15.238	5.079		5.762	
	5.680		.190			5.326		.185		
	5.490		.191			5.141		.182		
17	5.299		.381			4.959		.367		
	16.469	5.490		6.145		15.426	5.142		6.129	
	5.443		.182			5.769		.188		
	5.261		.182			5.581		.186		
18	5.079		.364			5.395		.374		
	15.783	5.261		6.509		16.745	5.582		6.503	
	5.041		.182			6.031		.181		
	4.859		.182			5.850		.181		
19	4.677		.364			5.669		.362		
	14.577	4.859		6.873		17.550	5.850		6.865	
	5.151		.182			5.552		.172		
	4.969		.184			5.380		.171		
20	4.785		.366			5.209		.343		
	14.905	4.968		7.239		16.141	5.380		7.208	
		113.603					99.869			

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F.B. 2442 P.G. 166

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76P5.6-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 Sunny Light Inst. No. 15066
Notes by F.E.B. Time 13:00 - Rod No. 31-32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From Tor BM L10 To Tor BM 11-9
Date 20 July 1960
Indexed H. E. OTT

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
	4.897	113.603	.186	7.239		5.796	99.864	.185	7.208	
	4.711		.182			5.605		.184		
21	4.529		.368			5.421		.369		
	14.137	4.712		7.607		16.816	5.605		7.577	
	5.035		.183			5.983		.192		
	4.852		.180			5.791		.190		
22	4.672		.363			5.601		.382		
	14.559	4.853		7.960		17.375	5.792		7.959	
	4.949		.188			5.760		.185		
	4.761		.189			5.575		.184		
23	4.572		.377			5.391		.369		
	14.282	4.761		8.337		16.726	5.575		8.328	
	5.138		.186			5.356		.187		
	4.952		.182			5.163		.183		
24	4.770		.368			4.980		.370		
	14.860	4.953		8.705		15.493	5.164		8.698	
	5.876		.186			4.628		.187		
	5.690		.188			4.441		.183		
25	5.502		.374			4.258		.370		
	17.068	5.689		9.079		13.327	4.442		9.068	
		158.571					126.448			

F.B. 2447 P.G. 167

76P526-CE 379—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 Sunny Inst. No. 15066
Notes by F.E.B. Time 13:00 – 14:45 Rod No. 31-32

Name L.A.C. Precise Level Net
Job No. 0301.02
From Tor. BM 1-10 To Tor. BM 1-9
Date 20 July 1960
Indexed H. E. OTT

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
	6.315	138.541	.184	9.079		4.658	124.446	.189	9.068	
	6.131		.182			4.469		.188		Summation of Run
26	5.949		.366			4.281		.377		From Tor. BM 1-10
	18.395	6.132		9.445		13.408	4.469		9.445	To Tor. BM 1-9
	6.402		.182			5.883		.184		
	6.220		.185			5.699		.184		Total Backsights = + 159.269
27	6.035		.367			5.515		.368		" Foresights = – 149.169
	18.657	6.219		9.812		17.097	5.699		9.813	diff. elev. = + 10.100
	4.142		.184			6.966		.185		
	3.958		.187			6.781		.183		
28	3.771		.371			6.598		.368		
	11.871	3.957		10.183		20.345	6.782		10.181	
	4.577		.187			5.952		.181		Tor. BM 1-9
	4.390		.186			5.771		.178		Western Ave and Sepulveda
29	4.204		.373			5.593		.359		Blvd. see F.B. 2447-88
	13.171	4.390		10.556		17.316	5.772		10.540	for description
									10556	
									21.096	
	159.269					149.169				

F.B. 2442 P.G. 168

76PS 16-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 Sunny ~~Smog~~ Light Inst. No. 15066
Notes by F.E. B. Time 08:40 – 10:30 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From Tor. BM 1-10 To Tor. BM-1-9
Date 22 July 1960
Indexed H. E. OH

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
	6.340		.088			5.783		.083		Tor. B.M. 1-10
	6.252		.086			5.700		.085		Western Ave and Lomita
1	6.166		.174			5.615		.168		Blvd. see F.B. 2447-89
	18.758	6.253		.174	82°	17.098	5.699		.168	for description
	4.778		.187			6.070		.188		
	4.591		.188			5.882		.184		T Le Gault
2	4.403		.375			5.698		.372		
	13.772	4.591		.549		17.650	5.883		.540	
	5.727		.192			3.461		.192		
	5.535		.193			3.269		.192		
3	5.342		.385			3.077		.384		
	16.604	5.535		.934		9.807	3.269		.924	
	8.735		.187			2.071		.185		
	8.548		.188			1.886		.187		
4	8.360		.375			1.699		.372		
	25.643	8.548		.1309		5.656	1.885		.1296	
	7.710		.187			4.370		.187		
	7.523		.185			4.183		.184		
5	7.338		.372			3.999		.371		
	22.571	7.524		1.671		12.552	4.184		1.667	
		32.457 29					20.926			

F.B. 2447 P.G. 162

76P526-CE 379—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 Sunny Inst. No. 15066
Notes by F.E.B. Time 08:40 - 10:30 Rod No. 31-32

Name L.A.C. Precise Level Net
Job No. 0301.02
From Tot. BM 1-10 To Tot. BM 1-9
Date 22 July 1960
Indexed M E OM

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
	5.825	32.454	.184	1671		5.399	20.928	.186	1667	
	5.641		.183			5.213		.182		
6	5.458		.369			5.031		.368		
	16.924	5.641		2.038		15.643	5.214		2.035	
	5.642		.186			5.067		.186		
	5.456		.188			4.881		.182		
7	5.268		.374			4.699		.368		
	16.366	5.455		2.412		14.647	4.882		2.403	
	5.684		.184			5.262		.184		
	5.500		.182			5.078		.187		
8	5.318		.366			4.891		.371		
	16.502	5.501		2.778		15.231	5.077		2.774	
	5.724		.184			5.204		.182		
	5.540		.185			5.022		.182		
9	5.355		.369			4.840		.364		
	16.619	5.540		3.147		15.066	5.022		3.138	
	5.732		.183			5.100		.190		
	5.549		.187			4.910		.190		
10	5.362		.370			4.720		.380		
	16.643	5.548		3.517		14.730	4.910		3.518	
		60.138					46.028			

F.B. 2447 P.G. 170

76P5 6-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 Sunny Light Smog Inst. No. 15066
Notes by F.E. B. Time 08:40 - 10:30 Rod No. 31 - 32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From Tor. BM 1-10 To Tor. BM 1-9
Date 22 Jul. 1960
Indexed H.E. Will

Number or 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
	5.880	60.136	.181	3517		5.177	46.025	.185	3518	
	5.699		.180			4.992		.181		
11	5.519		.361			4.811		.366		
	17.098	5.199		3.878		14.980	4.993		3.884	
	5.515		.183			5.260		.180		
	5.332		.181			5.080		.180		
12	5.151		.364			4.900		.360		
	15.998	5.333		4.242		15.240	5.080		4.244	
	5.759		.189			5.297		.186		
	5.570		.189			5.111		.185		
13	5.381		.378			4.926		.371		
	16.710	5.570		4.620		15.334	5.111		4.615	
	5.749		.186			5.199		.191		
	5.563		.183			5.008		.194		
14	5.380		.369			4.814		385		
	16.692	5.564		4.989		15.021	5.007		5.000	
	5.758		.198			5.199		.192		
	5.560		.194			5.007		.189		
15	5.366		.392			4.818		.381		
	16.684	5.561		5.381		15.024	5.008		5.381	
		87.863					71.224			

F.B. 2442 P.G. 171

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny Inst. No. 15066
Notes by F.E.B. Time 08:40 - 10:30 Rod No. 31 - 32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From Tot BM 1-10 To Tot BM 1-9
Date 22 July 1960
Indexed H.E.

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
16	5.691	87.865	.186	5.381		5.235	71.224	.187	5.381	
	5.505		.186			5.048		.188		
	5.319		.372			4.860		.375		
	16.515	5.505		5.753		15.143	5.048		5.756	
17	5.617		.191			5.260		.182		
	5.426		.193			5.078		.181		
	5.233		.384			4.897		.363		
	16.276	5.425		6.137		15.235	5.078		6.119	
18	5.396		.183			5.723		.186		
	5.213		.182			5.537		.187		
	5.031		.365			5.350		.373		
	15.640	5.213		6.502		16.610	5.537		6.492	
19	5.030		.181			6.024		.185		
	4.849		.179			5.839		.181		
	4.670		.360			5.658		.366		
	14.549	4.850		6.862		17.521	5.840		6.858	
20	5.118		.186			5.521		.171		
	4.933		.182			5.350		.171		
	4.751		.368			5.179		.342		
	14.802	4.934		7.230		16.050	5.350		7.200	
		113.790					98.077			

F.B. 2447 P.G. 172

76P526-CE 379—10-57

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 Sunny Light Smog Inst. No. 15066
Notes by F.E.B. Time 08:40 - 10:30 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From Tor BM 1-10 To Tor. BM 1-9
Date 22 July 1960
Indexed H.E. [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
	4.950	113.790 (82)	.185	7.230		5.843	98.077 (9)	.183	7.200	
	4.765		.185			5.660		.185		
21	4.580		.370			5.475		.368		
	14.295	4.765		7.600		16.978	5.659		7.568	
	4.850		.180			5.801		.191		
	4.670		.179			5.610		.191		
22	4.491		.359			5.419		.382		
	14.011	4.670		7.959		16.830	5.610		7.950	
	4.968		.189			5.781		.183		
	4.779		.188			5.598		.187		
23	4.591		.377			5.411		.370		
	14.338	4.779		8.336		16.790	5.597		8.320	
	5.028		.188			5.250		.209		
	4.840		.187			5.041		.208		
24	4.653		.375			4.833		.417		
	14.521	4.840		8.711		15.124	5.041		8.737	
	5.942		.184			4.682		.169		
	5.758		.187			4.513		.170		
25	5.571		.371			4.343		.339		
	17.271	5.757		9.082		13.538	4.513		9.076	
		138.601					124.497			

F.B. 2447 P.G. 173

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny Light Smog Inst. No. 15066
Notes by F.E.B. Time 08:40-10:30 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From Tor. BM 1-10 To Tor. BM 1-9
Date 22 July 1960
Indexed E. on

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
26	6.322	138.601	.184	9.082		4.660	124.498	.185	9.076	
	6.138		.186			4.475		.185		Summation of Run.
	5.952		.370			4.290		.370		From Tor. BM 1-10
	18.412	6.137		9.452		13.425	4.475		9.446	To Tor BM 1-9
27	6.419		.185			5.898		.185		
	6.234		.183			5.712		.181		Total Backsights = + 159.358
	6.051		.368			5.531		.366		" Foresights = - 147.282
	18.704	6.235		9.820		17.140	5.713		9.812	diff. elev. = + 12.076
28	4.115		.187			6.940		.184		
	3.928		.186			6.756		.185		
	3.742		.373			6.571		.369		
	11.785	3.928		10.193		20.267	6.756		10.181	
29	4.642		.184			6.021		.180		Tor. BM 1-9
	4.458		.187			5.841		.179		Western Ave and Sepulveda
	4.271		.371			5.662		.359		Blvd. See F.B. 2447-88
	13.371	4.457		10.564		17.524	5.841		10.540	for description

F.B. 2447 PG. 174

159.358 147.282

76P526-CE 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 F.E. Brooks Weather Sunny Light Smog Inst. No. 15066
Notes by F.E.B. Time 10:10 - 10:50 Rod No. 31-32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From Ton. BM 1-10 To Ton. BM 1-11
Date 21 July 1960
Indexed H.E. Ott

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
	6.388		.183			4.996		.187		Ton BM 1-10
	6.205		.183			4.809		.187		Western Ave and Lomita St.
1	6.022		.366			4.622		.374		See F.B. 2447-89
	18.615	6.205		.366	86°	14.427	4.809		.374	for description
	5.630		.185			4.384		.192		
	5.445		.184			4.192		.193		T Le Gault
2	5.261		.369			3.999		.385		
	16.336	5.445		.735		12.575	4.192		.759	
	8.673		.205			1.619		.195		
	8.468		.208			1.424		.193		
3	8.260		.413			1.231		.388		
	25.401	8.467		1.148		4.274	1.425		1.147	
	11.156		.197			1.251		.192		
	10.959		.197			1.059		.196		
4	10.762		.394			0.863		.388		
	32.877	10.959		1.542		3.173	1.058		1.535	
	8.129		.190			3.911		.196		
	7.939		.188			3.715		.195		
5	7.751		.378			3.520		.391		
	23.819	7.940		1.920		11.146	3.715		1.926	
	39.016					15.199				

F.B. 2449 P.G. 125

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny Light Smog Inst. No. 15066
Notes by F.E. B. Time 10:10 - 10:50 Rod No. 31-32

Name L. A. Co. Precise Level Net
Job No. 0301.02
From Tor. BM1-10 To Tor. BM1-11
Date 21 July 1960
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean 15199	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	5.910	39.016	.191	1.920		4.980		.189	1.926	
	5.719		.192			4.791		.189		
	5.527		.383			4.602		.378		
	17.156	5.719		2.303		14.373	4.791		2.304	
7	5.713		.192			5.122		.193		
	5.521		.190			4.929		.197		
	5.331		.382			4.732		.380		
	16.565	5.522		2.685		14.783	4.928		2.694	
8	5.758		.194			5.191		.193		
	5.564		.194			4.998		.192		
	5.370		.388			4.806		.385		
	16.692	5.564		3.073		14.995	4.998		3.079	
9	5.870		.200			5.070		.195		
	5.670		.200			4.875		.195		
	5.470		.400			4.680		.390		
	17.010	5.670		3.473		14.625	4.875		3.469	
10	6.753		.182			4.451		.185		
	6.571		.180			4.266		.189		
	6.391		.362			4.079		.372		
	19.715	6.572		3.835		12.796	4.265		3.841	
		68.063					39.056			

F.B. 2447 P.G. 176

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny Inst. No. 15066
Notes by F.E.B. Time 10:10 – 10:50 Rod No. 31-32

Name L.A. Co Precise Level Net
Job No. 0301.02
From Tor. BM 1-10 To Tor BM 1-11
Date 21 July 1960
Indexed M.E. Ott

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
		68.068					39056			
	5.699		.187	3.835		4.569		.187	3.841	
	5.512		.184			4.382		.183		
11	5.328		.371			4.199		.370		
	16.539	5.513		4.206		13.150	4.383		4.211	
	5.861		.172			6.483		.168		Tor. BM 1-11 (B.B.M. 21-6b)
	5.689		.171			6.315		.167		Wester Ave and Pacific Coast
12	5.518		.343			6.148		.335		Hwy see F.B. 1391-62
	17.068	5.689		4.549		18.946	6.315		4.376	for description
									4549	
									9095	
										Summation of Run
										From Tor BM 1-10
										To Tor BM 1-11
										Total Backsights = + 79.265
										" Foresights = - 49.754
										diff. elev. + 29.511
	79.265					49.754				

F.B. 2447 PG. 177

76P526-CE 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 F.E. Brooks Weather Sunny Light Smog Inst. No. 15066
Notes by F.E.B. Time 10:50 - 11:30 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From Tor BM 1-11 To Tor. BM 1-10
Date 21 July 1960
Indexed H.E.O.

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
	6.462		.170			5.840		.173		Tor B.M. 1-11 (C.B.M. 21-66)
	6.292		.166			5.667		.174		Western Ave and Pacific Coast
1	6.126		.336			5.493		.347		Hwy See F.B. 1391-62
	18.880	6.293		336	90°	17.000	5.667		.347	for description
	4.569		.188			5.697		.186		
	4.381		.184			5.511		.185		π LeGault
2	4.197		.372			5.326		.371		
	13.147	4.382		.708		16.534	5.511		.718	
	4.515		.185			6.818		.183		
	4.330		.189			6.635		.183		
3	4.141		.374			6.452		.366		
	12.986	4.329		1.082		19.905	6.635		1.084	
	5.012		.194			5.811		.200		
	4.818		.196			5.611		.200		
4	4.622		.390			5.411		.400		
	14.452	4.817		1.472		16.833	5.611		1.484	
	5.159		.197			5.721		.192		
	4.962		.193			5.529		.190		
5	4.769		.390			5.339		.382		
	14.890	4.963		1.862		16.589	5.530		1.866	
	24.784					28.954				

F.B. 2449 P.G. 178

76P5-26-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny Light Smog Inst. No. 15066
Notes by F.E.B. Time 10:50 - 11:30 Rod No. 31-32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From Tor BM 1-11 To Tor BM 1-10
Date 21 July 1960
Indexed H. E. OTI

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
	5.140	24.784	.193	1.862		5.732	28.954	.193	1.866	
	4.947		.195			5.539		.191		
6	4.752		.388			5.348		.384		
	14.839	4.946		2.250		16.619	5.540		2.250	
	4.978		.187			5.911		.191		
	4.791		.189			5.720		.191		
7	4.602		.376			5.529		.382		
	14.371	4.790		2.626		17.160	5.720		2.632	
	3.889		.198			8.103		.186		
	3.691		.195			7.917		.189		
8	3.496		.393			7.728		.375		
	11.076	3.692		3.019		23.748	7.916		3.007	
	1.228		.195			11.135		.198		
	1.033		.192			10.937		.199		
9	0.841		.387			10.738		.397		
	3.102	1.034		3.406		32.810	10.937		3.404	
	1.571		.201			8.617		.205		
	1.370		.197			8.412		.201		
10	1.173		.398			8.211		.406		
	4.114	1.371		3.804		25.240	8.413		3.810	
		40.617					67.480			

F.B. 2447 P.G. 122

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F.E. Brooks — Weather: Sunny Light Smog — Inst. No.: 15066
Notes by: F.E.B. — Time: 10:50 - 11:30 — Rod No.: 31-32

Name: L.A.Co. Precise Level Net
Job No.: 0301.02
From: Tor BM 1-11 To: Tor BM 1-10
Date: 21 July 1960
Indexed: H. E. OTT

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
	4.355	40.617	.197	3.804		5.590	67.480	.180	3.610	
	4.158		.195			5.410		.180		
11	3.963		.392			5.230		.360		
	12.476	4.159		4.196		16.230	5.410		4.170	
	4.974		.183			6.371		.184		Tor. B.M 1-10
	4.791		.181			6.187		.186		Western Ave & Lomita Blvd
12	4.610		.364			6.001		.370		See F.B. 2447 - 89
	14.375	4.792		4.560		18.559	6.186		4.540	for description
										Summation of Run
										From Tor BM 1-11
										To Tor. BM 1-10
										Total Backsights = + 49.568
										" Forsights = - 79.076
										diff. elev. = - 29.508
	49.568					79.076				

F.B. 2447 P.G. 180

Notes Ck'd by	Survey of	F. B. 2447 Pg. 191
Map No.	JN 0301.02 Tape Std °F	
Office Work	Surveyed by A.C. GUIZADO	
Checked	Notes ACG Date 7-22-60	
Date	Indexed H. E. OTT JUL 2 1960	

L.A. County Precise Level Line 55

CITY OF TORRANCE

BENCH ELEVATIONS

J.N 0301.02

City Lines 4 & 3. Line 4 From CRENSHAW BLVD ALONG REDONDO BEACH BLVD TO HAWTHORNE AVE. Line 3 From REDONDO BEACH BLVD SOUTH ALONG HAWTHORNE AVE TO SEPULVEDA BLVD.

SEE F.B. 3702-151 ON

GUIZADO	A.C.
GOBLE	AL
GLIDDEN	RD
VALDEZ	CG
OHASHI	T

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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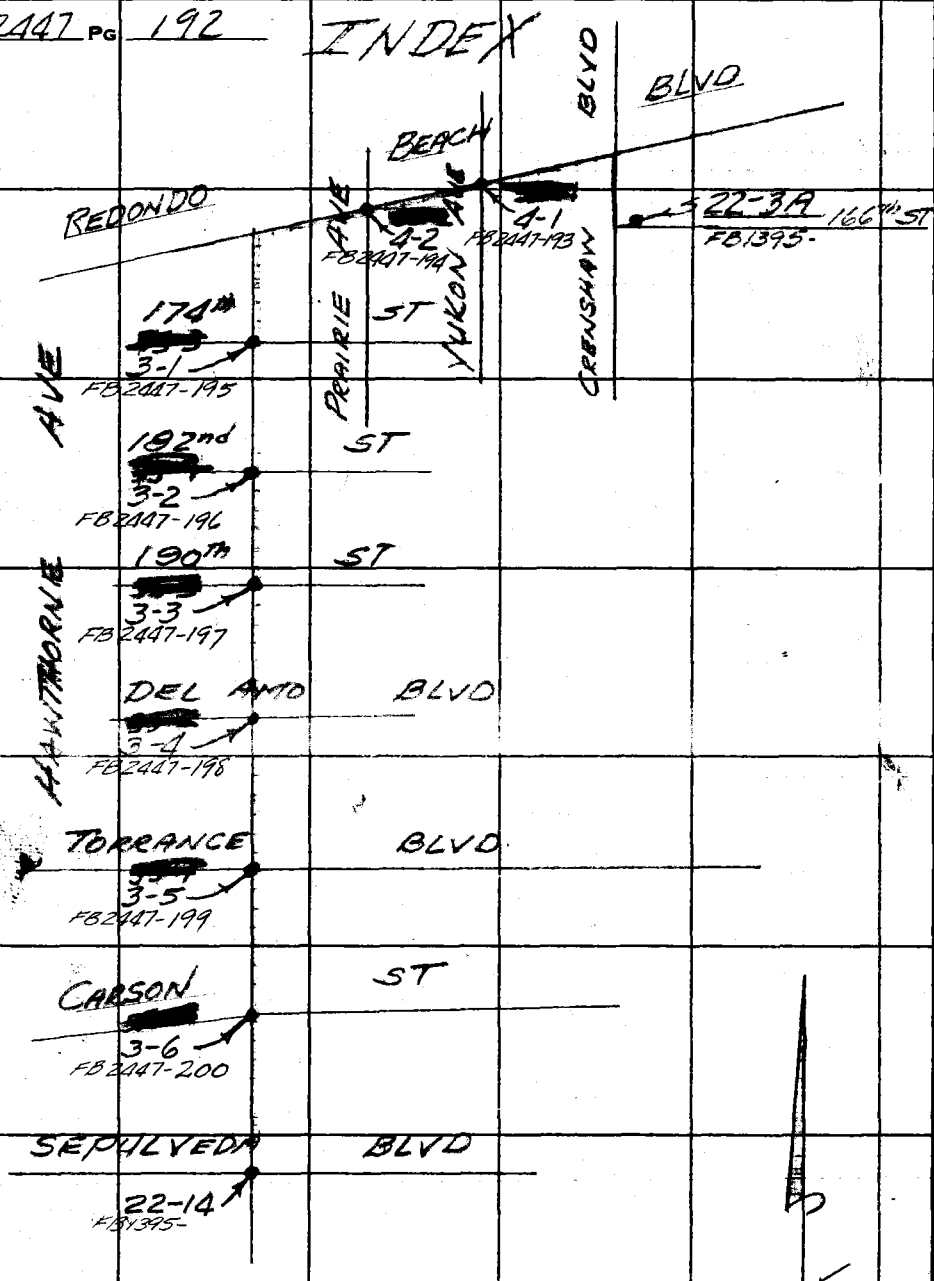
700 LOS ANGELES COUNTY ENGINEERING BLDG.
76F3-95 S&E #247 11-58

F. B. 2447 PG 192

INDEX



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700 Los Angeles County Engineering Bldg.

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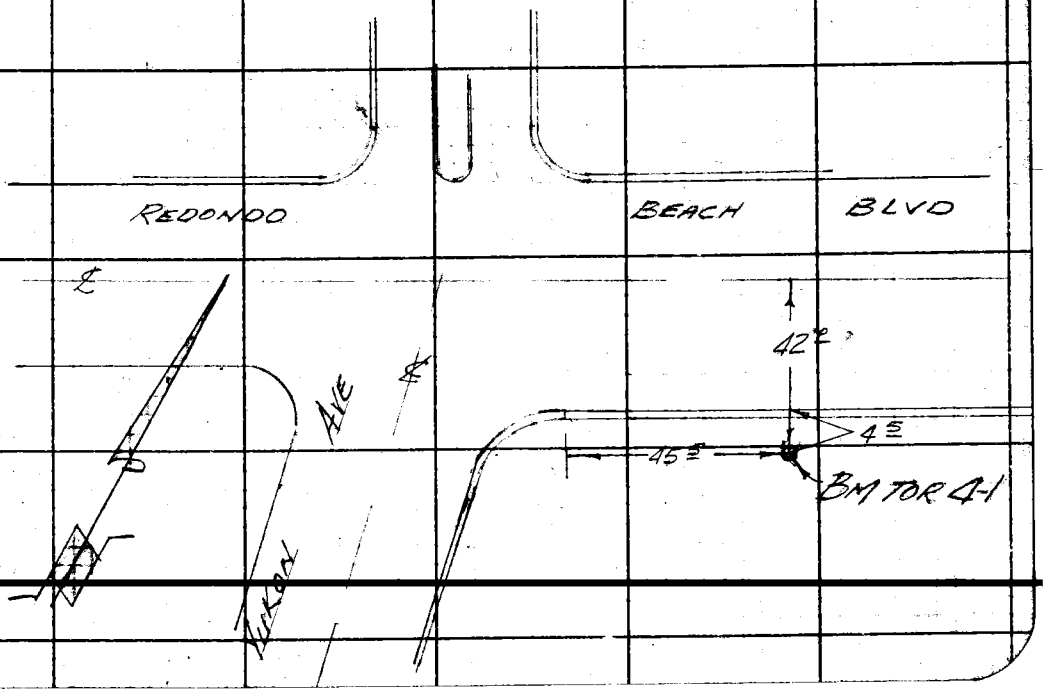
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of	F. B 2447 PG. 193
Map No.	JN 0301-02 Tape Std °F	
Office Work	Surveyed by A C GUIZADO	
Checked	Notes A C G Date 7/22/60	
Date	Indexed H. E. OTT	

~~L.A.C. BM #55-1~~ L. A. ~~County~~ 55-20

BM. TOR. 4-1 B. M. No. 55-4-1

CITY OF TORRANCE — SO. SIDE REDONDO BEACH BLVD E OF YUKON AVE; 42° S. OF ℄ REDONDO BEACH BLVD & 45± E. OF E. END CURB OF SE COR. IN THE SIDEWALK BETWEEN GAS STATION DRIVEWAYS — Fd A STD. CO. ENGR. BM BRASS CAP MON MK'D "TOR. 4-1" IN CONCRETE IN A WELL dn 10" & PROTECTED BY A CAST IRON COVER MK'D "COUNTY ENGINEER MONUMENT"



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.

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3 95 SAE #247 11-58

F. B. 2447 Pg 194

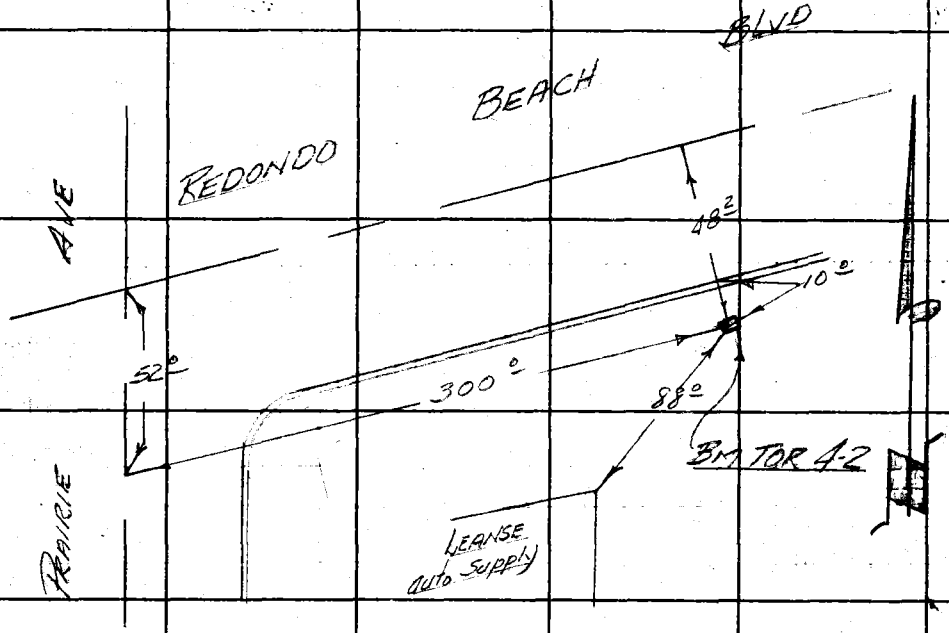
~~L.A. Co. BM 55-2~~

L. A. County 55-21

B. M. No. 55-4-2

BM TOR-4-2

CITY OF TORRANCE - SO. SIDE REDONDO BEACH BLVD & E. OF PRAIRIE AVE 48± S. OF REDONDO BEACH BLVD & 300'± E OF E to So. OF PRAIRIE AVE — Fd A STD CO. ENGR. BM BRASS CAP MON MK'D "TOR. 4-2" IN CONCRETE & IN A WELL dn 10" & PROTECTED BY A CAST IRON COVER MK'D "COUNTY ENGINEER MONUMENT."



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Notes Ck'd by	Survey of
Map No.	JN 0301.02 Tape Std °F
Office Work	Surveyed by A.C. GUIZADO
Checked	Notes ACG Date 7-22-60
Date	Indexed

F. B. 2447 PG. 195

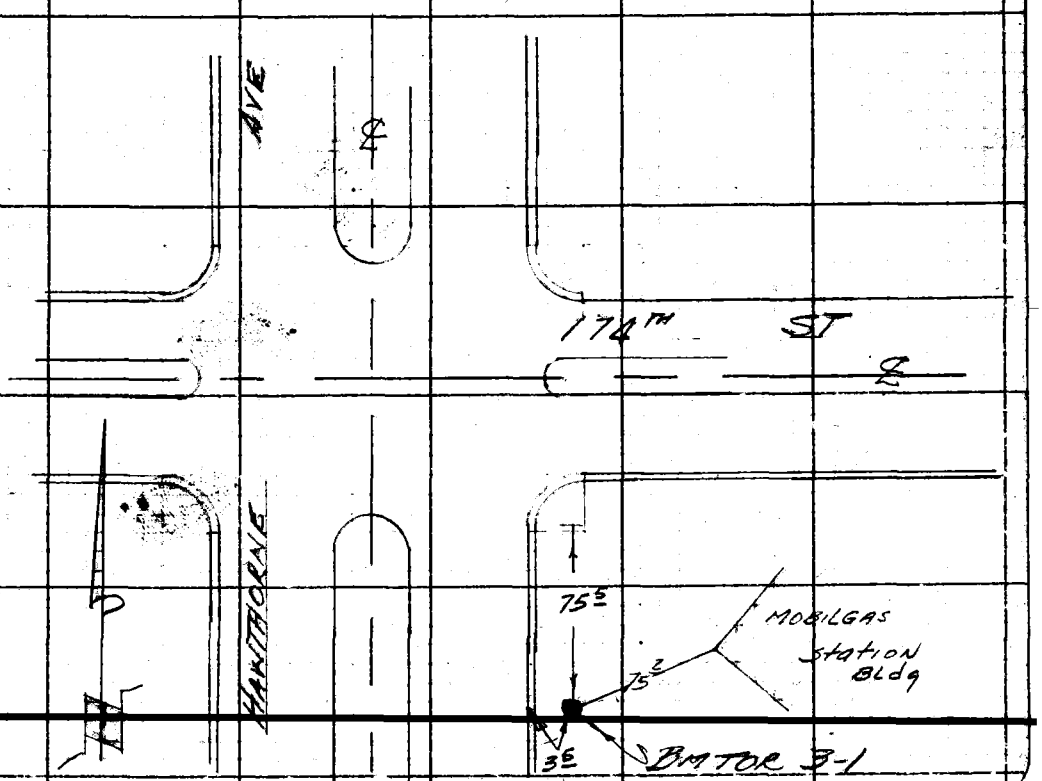
~~LA [illegible]~~

L. A. County 55-12
B. M. No. 55-3-1

BM TOR 3-1 =

CITY OF TORRANCE — E. SIDE OF HAWTHORNE ~~AVE~~ BLVD & SO. OF 174th ST; 75$^{\underline{S}}$ SO. OF S. end Cb. RET OF SE COR., 3$^{\underline{S}}$ E. OF E FACE OF CURB & 75$^{\underline{S}}$ SW'LY FROM W'LY COR. OF STATION BLDG

FD A STD CO. ENGR BM BRASS CAP MON MK'D "TOR 3-1" IN CONCRETE, IN A WELL DN 10" & PROTECTED BY A CAST IRON COVER MK'D "COUNTY ENGINEER MONUMENT.



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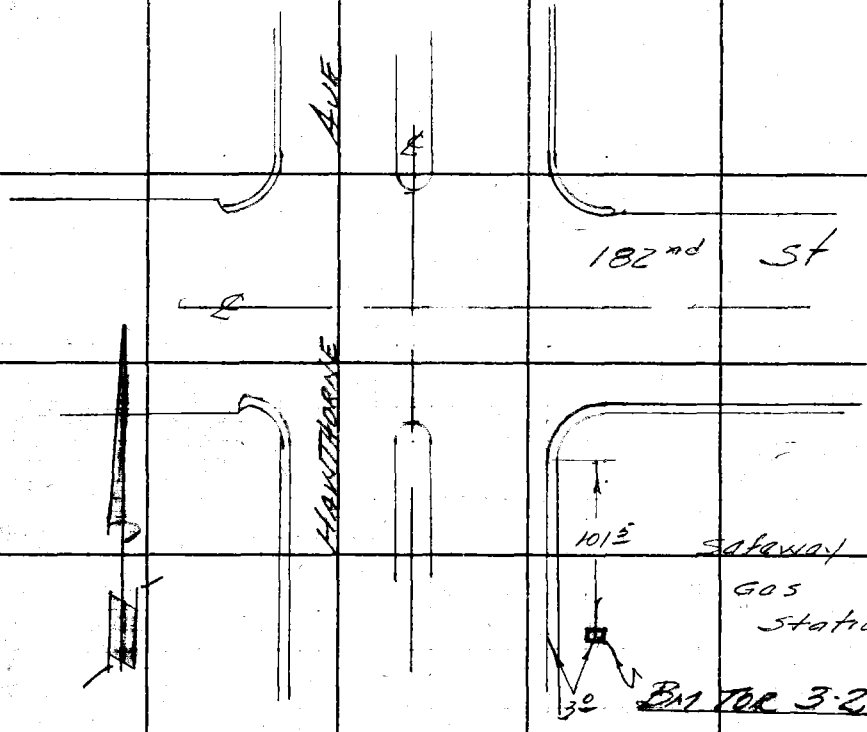
76F3095 S&E #247 11-58

F. B. 2447 PG. 196

BM TOR 3-2 = L. A. County 55-13
B. M. No. 55-3-2

CITY OF TORRANCE — E. SIDE OF HAWTHORNE AVE & So. OF 182nd ST.
SE COR, 101± S. of S end CB RET & 3° E OF FACE OF E CB FD A STD COUNTY ENGR. BM BRASS CAP MON MK'D "TOR 3-2" IN CONCRETE & IN A WELL PROTECTED BY A CAST IRON COVER MK'D "COUNTY ENGINEER MONUMENT"



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Notes Ck'd by	Survey of
Map No.	JN 0301.02 Tape Std °F.
Office Work	Surveyed by A C GUIZADO
Checked	Notes ACG Date 7/25/60
Date	Indexed H. E. OTT

F. B. 2467 Pg. 197

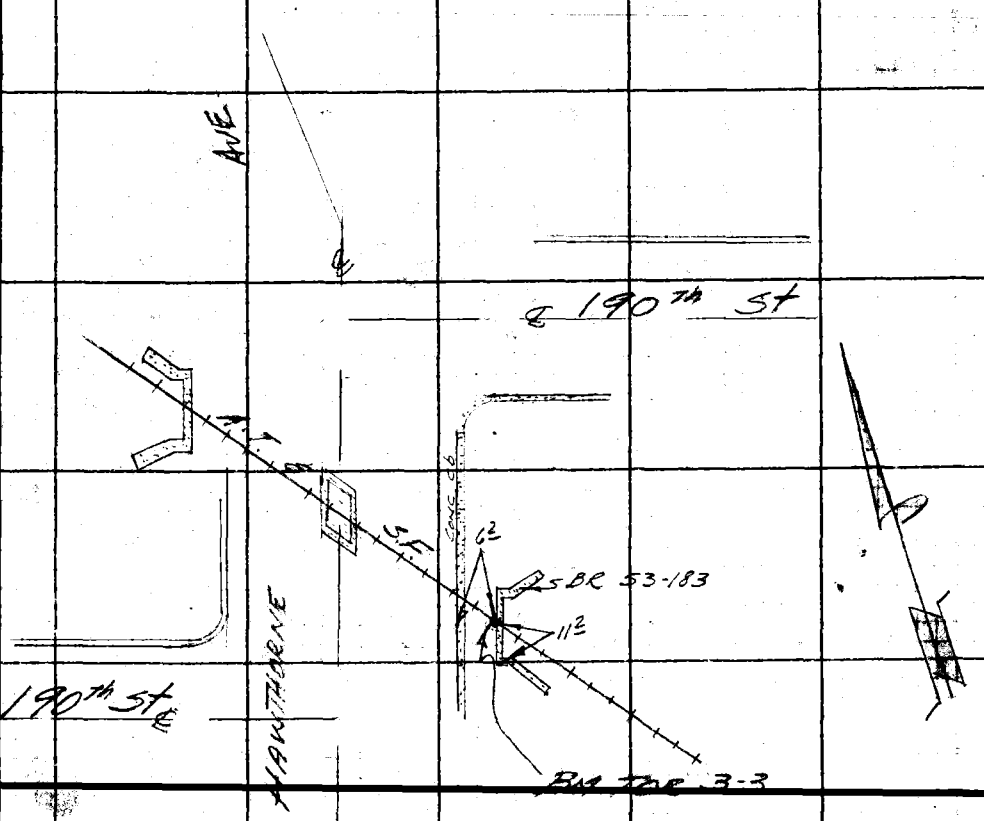
[redacted]

UP 1.5 CT SPK

L. A. County 55-14

BM TOR 3-3 = B. M. No. 55-3-3

CITY OF TORRANCE — E. SIDE OF HAWTHORNE AVE, UNDER THE R.R. OVERCROSSING AT 190th ST FD A CT. SPK. IN E. CONC. WALL, 11' N. OF S. AND OF WALL & 6' E. OF E. CB. FACE. CT SPK IS UP 1.5' ABOVE NATURAL GROUND. BRIDGE # IS BR 53-183



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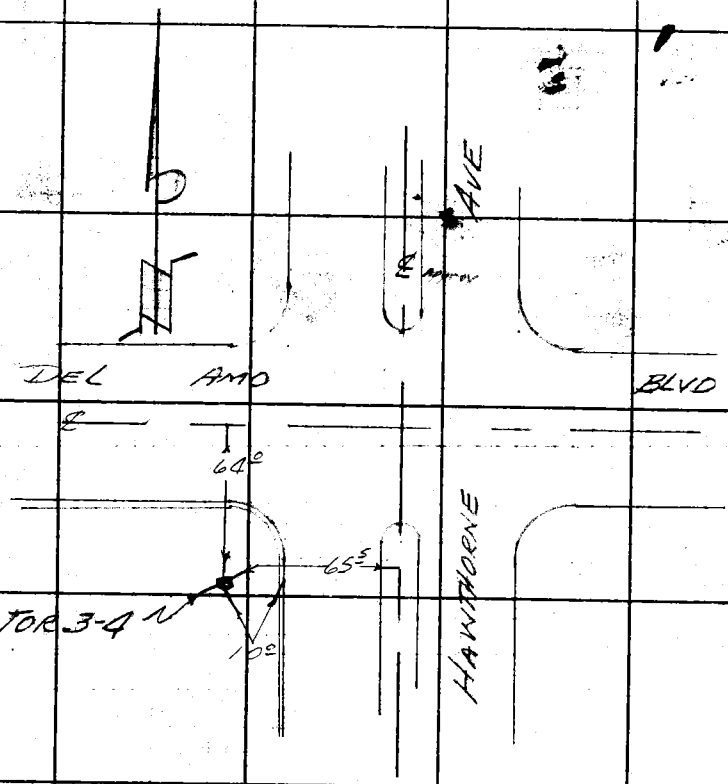
76F308 S&E #247 11-58

F. B 2447 PG 198

[redacted]

BM TOR 3-4 L. A. County B. M. No. 55-3-4 55-15

CITY OF TORRANCE — W. SIDE HAWTHORNE AVE, SO. OF DEL AMO BLVD 64° S. OF ℄ DEL AMO BLVD & 65± W OF HAWTHORNE AVE & 10° W. OF W. CO. FACE Fd. A STD CO. ENGR BRASS CAP MON MK'D "TOR 3-4" IN CONCRETE, IN A WELL 10" dn UNDER CAST IRON COVER MK'D "COUNTY ENGINEER MONUMENT" IN THE SIDEWALK AT THE GAS STATION DRIVEWAY.



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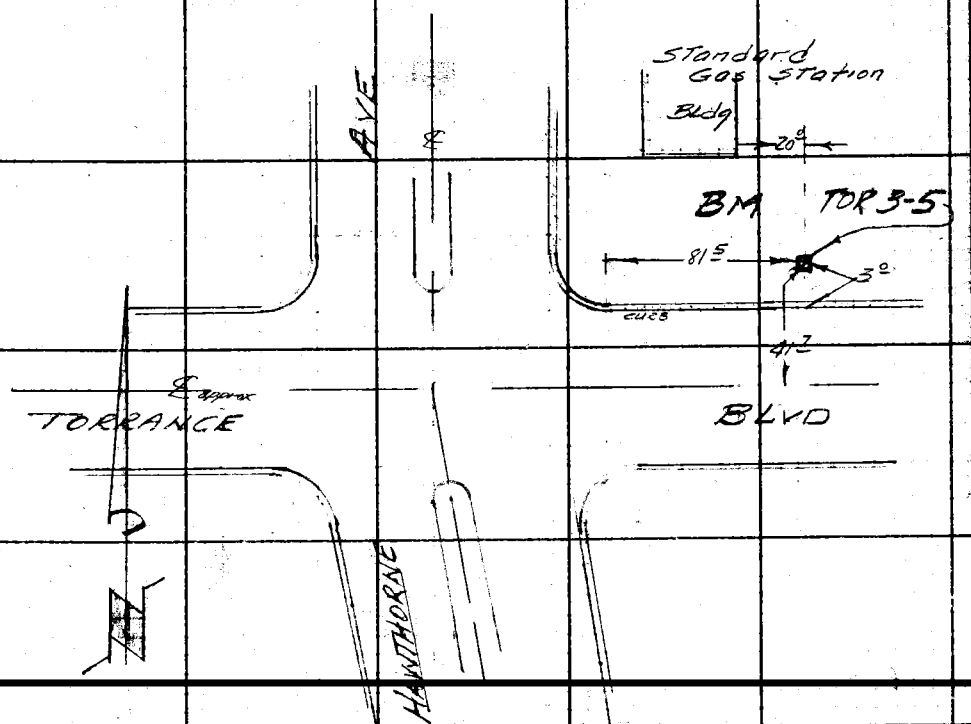
Map No.	JN 0301.02 Tape Std °F	
Office Work	Surveyed by A.C. GUIZADO	
Checked	Notes ACG Date 7-25-60	
Date	Indexed N. S. OTT	

[redacted] L. A. County 55-16

BM TOR 3-5 - B. M. No. 55-3-5

CITY OF TORRANCE - E. OF HAWTHORNE AVE & NO. SIDE OF TORRANCE BLVD, 41.7 N. of ℄ TORRANCE BLVD & 81.5 E. OF E. end cb ret of NE COR, 3.0 N. OF N. cb FACE, Fd A STD. CO. ENGR. BM BRASS CAP MON MK'D "TOR 3-5" IN CONCRETE IN A WELL dN. 10" & PROTECTED BY A CAST IRON COVER MK'D "COUNTY ENGINEER MONUMENT"



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76F 09S S&E #247 11-58

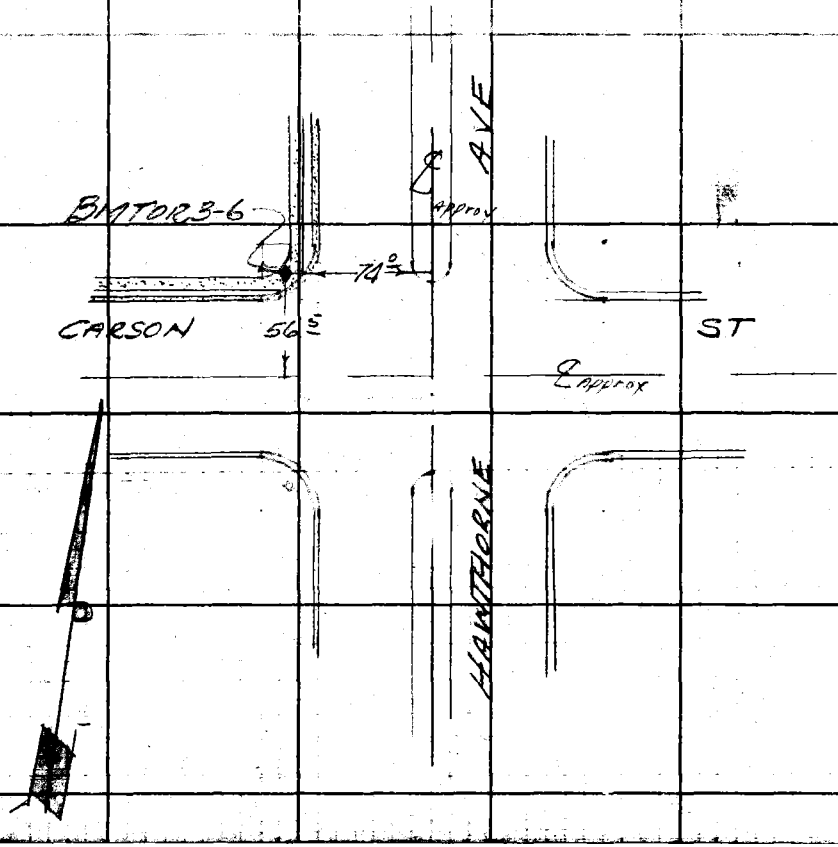
F. B. 2447 Pg 200 [redacted] L. A. County 55-17

B. M. No. 55-3-6

BM TOR 3-6

CITY OF TORRANCE - HAWTHORNE AVE & CARSON ST. NW COR, IN THE SIDEWALK AT 4/2; 74° W & 56° N OF ℄ INT. Fd A STD CO. ENGR BM BRASS CAP MON. MK'D "TOR 3-6" IN CONCRETE IN A WELL dn 10" UNDER cast IRON COVER MK'd "COUNTY ENGINEER MONUMENT."

NOT RECOVERED 10-18-74 G.E.DREIER
SEE F.B. 3702-191 FOR B.M. 55-17A



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76P52[illegible]B CE # 308 8-59

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

SURVEY BY A.C. GUIZADO WEATHER HOT & CLEAR INST. NO. 7527

NOTES BY A.L.G. DATE 7-21-60 TIME 9 45 To 1020 ROD NO. [illegible]

INDEXED H. E. OTT DATE NOTES CHKD [illegible] DATE

F.B. 2447 PG. 201

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS FROM BM22-3A TO BM 4-1
BM 22-3A													BM 22-3A
1	189	481	490	5	204 / 174	30	172	061	473	5	187 / 156	31	166 TH SC & ATKINSON AVE
2	148	023	449	5	170 / 125	45	116	728	417	5	138 / 93	46	SEE F.B. 1391 FOR DESC
3	128	768	429	5	152 / 104	48	149	978	450	5	172 / 126	46	
4	152	113	453	5	175 / 129	46	181	217	482	5	204 / 158	46	
5	149	631	450	5	172 / 126	46	072	078	373	5	95 / 49	46	⊼ R.D GLIDDEN
6	231	668	532	5	254 / 208	46	142	159	443	5	164 / 119	45	
7	184	553	485	5	207 / 161	46	130	038	431	5	153 / 107	46	
8	173	830	474	5	196 / 150	46	137	703	438	5	160 / 114	46	
9	184	162	485	5	207 / 161	46	153	270	454	5	176 / 130	46	
10	160	043	461	5	183 / 137	46	161	445	462	5	184 / 138	46	
11	166	120	467	5	189 / 143	46	177	151	478	5	200 / 154	46	
12	142	837	443	5	165 / 119	46	167	379	468	5	190 / 144	46	
13	149	900	450	5	172 / 126	46	175	533	476	5	198 / 152	46	BM TOR 4-1
14	176	079	477	5	185 / 166	19	215	158	516	5	224 / 205	19	REDONDO BEACH BLVD &
TOTAL	2337	208	CM			601	2151	898	CM			601 / 601	YUKON AVE
DIFF ELEV	2151	898										1202	METERS SEE FB2447-193
BM TOR 4-1	185	310	CM									1202	

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM TOR 4-1 TO BM 22-3A
BM TOR 4-1	214	864	515	5	223 / 204	19	176	050	477	5	185 / 166	19	BM TOR 4-1
2	173	722	474	5	196 / 150	46	147	911	448	5	170 / 124	46	REDONDO BEACH BLVD & YUKON AVE
3	166	258	467	5	189 / 143	46	142	439	443	5	165 / 119	46	SEE FB 2447-193
4	170	612	471	5	193 / 146	47	15[illegible]	851	459	5	181 / 135	46	
5	153	960	454	5	170 / 130	46	15[illegible]	[illegible]64	456	5	178 / 132	46	⊼ R.D. GLIDDEN
6	151	807	452	5	174 / 128	46	179	161	480	5	201 / 156	45	
7	135	162	436	5	157 / 112	45	174	223	475	5	197 / 151	46	
8	132	944	433	5	156 / 110	46	181	252	482	5	204 / 158	46	
9	138	023	439	5	161 / 115	46	231	263	532	5	254 / 208	46	
10	070	844	371	5	93 / 47	46	152	455	453	5	175 / 129	46	
11	184	296	485	5	207 / 161	46	150	991	451	5	173 / 127	46	
12	148	922	449	5	171 / 125	46	126	862	427	5	150 / 102	48	
13	118	154	419	5	141 / 95	46	149	212	450	5	172 / 126	46	
14	172	437	473	5	187 / 156	31	190	766	491	5	205 / 175	30	
TOTAL	2132	005	CM				2317	000	CM				BM 22-3A
							2132	005					166 Th St & ATKINSON AVE
DIFF in Elev BM 22-3A							184	995	CM				SEE F.B. 1391- FOR DESC

F.B. 2447 PG. 202

JOB NO.

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY A.C.G. NOTES A.L.G.

INDEXED H.E. OTT DATE 7-21-60

WEATHER HOT & HUMID INST. NO. 75234 N3

TIME 11.15 TO 12.00 ROD NO. 95696

NOTES CHKD H. J. AMBERS DATE

76PS 6B CE # 308 8-59

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

SURVEY BY A.C. GUIZADO WEATHER HOT & HUMID INST. NO. 23334

NOTES BY A.L.G. TIME 10:24 ROD NO. 5E-136

INDEXED B.E. OTT DATE 7-21-66 NOTES CHKD. H.J. AMBERS

DATE DATE DATE

FB 2447 P 202

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM TOR 4-1 TO BM TOR 4-2
BM TOR 4-1													BM TOR 4-1
1	194	059	495	5	217 / 171	46	151	745	452	5	174 / 128	46	REDONDO BEACH BLVD &
													YUKON AVE
2	188	758	489	5	211 / 165	46	151	643	452	5	174 / 128	46	SEE FB 2447-193
3	169	111	470	5	192 / 146	46	155	846	456	5	178 / 132	46	
4	172	185	473	5	195 / 149	46	155	022	456	5	178 / 132	46	
5	168	504	469	5	191 / 145	46	174	130	475	5	197 / 151	46	TR.D GLIDDEN
6	175	154	476	5	198 / 152	46	147	980	448	5	170 / 124	46	
7	206	622	507	5	229 / 183	46	112	158	413	5	135 / 89	46	
8	211	818	512	5	234 / 188	46	091	858	392	5	114 / 68	46	
9	190	899	491	5	206 / 174	32	129	465	430	5	144 / 113	31	
TOTAL	1677	110	CM			400	1269	849				399	
	1269	849						47				400	
		47										799	
DIFFERENCE	407	261	CM										
BM TOR 4-2		263											BM TOR 4-2
													REDONDO BEACH BLVD &
													PRAIRIE AVE
													SEE FB 2447-194

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM TOR 4-2 TO BM TOR 4-1
BM TOR 4-2													BM TOR 4-2
1	126	935	427	5	141 / 110	31	188	618	489	5	204 / 172	32	REDONDO BEACH BLVD & PRAIRIE AVE
2	093	420	394	5	116 / 70	46	21[illegible]	[illegible]	513	5	235 / 189	46	SEE FB 2447-194
3	116	267	417	5	139 / 93	46	199	346	500	5	223 / 176	46	
4	153	039	454	5	176 / 130	46	195	063	496	5	218 / 172	46	
5	177	509	478	5	200 / 154	46	167	098	468	5	190 / 144	46	⊼ R.D GLIDDEN
6	152	156	453	5	175 / 129	46	167	730	468	5	196 / 144	46	
7	151	907	452	5	174 / 128	46	171	601	472	5	194 / 148	46	
8	154	638	455	5	177 / 131	46	192	227	493	5	216 / 168	48	
9	156	300	457	5	180 / 132	48	19[illegible]	[illegible]32	495	5	217 / 171	46	
TOTAL	1282	171	CM			401	1689	365	CM			402 / 401	
							1282	171				803	METERS
Diff in Elev BM TOR 4-1							407	194	CM				BM TOR 4-1 REDONDO BEACH BLVD & YUKON AVE SEE FB 2447-193

WEATHER HOT & HUMID INST. NO. N3 75234

TIME 10:50 TO 11:15 ROD NO. 95890

NOTES CHKD. H. J. AMBERS DATE

F.B. 2447 PG. 204 JOB NO.

SURVEY OF L. A. CO. PRECISE LEVEL NF

SURVEY BY A. C. G. NOTES A. L. G.

INDEXED H. E. OTT DATE 7-21-60

76PS 25B CE # 306 8-59

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

SURVEY BY A. L. C. GUIZADO WEATHER HOT

NOTES BY H. E. OTT DATE 7-21-60 TIME 2:30 PM

INDEXED DATE NOTES CHKD. H. J. AMBERS DATE

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													FROM BM TOR 4-2 TO BM TOR 3-1
BM TOR4-2													BM TOR 4-2
1	248	532	549	5	271 225	46	102	131	403	5	125 78	47	REDONDO BEACH BLVD & PRAIRIE AVE
2	158	820	459	5	180 136	44	149	038	450	5	172 126	46	SEE FB 2447-194
3	167	032	468	5	190 144	46	145	778	446	5	168 122	46	
4	171	409	472	5	194 148	46	108	510	409	5	131 85	46	
5	201	574	502	5	224 178	46	118	883	419	5	141 95	46	
6	206	938	507	5	228 184	44	132	573	433	5	154 110	44	R. D. GLIDDEN
7	181	358	482	5	205 158	47	146	496	447	5	169 123	46	
8	165	853	466	5	188 142	46	149	049	450	5	172 126	46	
9	166	009	467	5	189 143	46	145	618	446	5	168 122	46	
10	166	421	467	5	189 143	46	150	215	451	5	173 127	46	
11	147	122	448	5	171 124	47	127	758	428	5	150 104	46	
12	167	487	468	5	190 144	46	148	812	449	5	171 125	46	
13	185	762	486	5	205 162	46	094	411	395	5	117 71	46	
SUB TOTAL	2334	317	VCM				1719	272	VCM				

F.B. 2447 PG. 194

ROD NO. 3 PG. 8

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM TOR 4-2 TO BM TOR 3-1
SUB TOTAL	2334	317	CM				1719	272	CM				
14	238	408	539	5	253 223	30	077	906	378	5	92 62	30	
15	241	935	542	5	264 218	46 .72	101	382	402	5	123 79	44	
TOTAL	2814	660	CM				1898	560				673 672 1 345	
	1898	560											
DIFF/ELEV	916	100											
BM TOR 3-1													BM TOR 3-1 HAWTHORNE AVE & 174th ST SEE FB 2447-195

F.B. 2447 PG. 206 JOB NO. 0301.02

SURVEY OF C.A. CO. PRECISE LEVEL NET

SURVEY BY ACG NOTES ALG

INDEXED H. E. OTT DATE

WEATHER

TIME H. J. AMBERS

NOTES CHKD.

INST. NO. N3 75234

ROD NO. 95896

DATE

76P5[illegible]6B CE # 308 8-59

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

SURVEY BY A. C. GUIZADO WEATHER HOT & HUMID INST. NO. 75234

NOTES BY A. L. G. DATE 7-21-60 TIME 1:45 TO RUD NO. 95 C 36

INDEXED H. E. OTT DATE NOTES CHKD. H. J. AMBERS DATE

F.B. 2447 PG 207

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS FROM BM TOR 3-1 TO BM TOR 4-2
BM TOR 3-1													BM TOR 3-1
1	108	162	409	5	128 / 87	41	243	607	544	5	268 / 218	50	HAWTHORNE AVE & 170th ST
													SEE FB 2447-195
2	067	155	368	5	84 / 49	35	232	845	533	5	245 / 218	27	
3	092	892	393	5	115 / 69	46	186	136	487	5	209 / 163	46	
4	150	194	451	5	173 / 127	46	168	255	469	5	191 / 145	46	
5	129	318	430	5	152 / 106	46	147	750	448	5	170 / 124	46	⊼ R.D GLIDDEN
6	151	682	452	5	174 / 128	46	170	549	471	5	193 / 147	46	
7	151	608	452	5	174 / 128	46	170	710	471	5	193 / 147	46	
8	151	442	452	5	174 / 128	46	169	768	470	5	192 / 147	45	
9	150	489	451	5	173 / 127	46	181	813	482	5	204 / 158	46	
10	132	940	433	5	154 / 110	44	200	572	501	5	223 / 178	45	
11	111	907	412	5	134 / 88	46	205	092	506	5	228 / 182	46	
12	118	041	419	5	141 / 95	46	172	612	473	5	195 / 149	46	
13	141	710	442	5	164 / 118	46	181	399	482	5	204 / 158	46	
SUB TOTAL	1658 / 7	540	CM						CM				

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 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. ____ ROD NO. ____ DATE ____

WEATHER ____ TIME ____ NOTES CH. H. J. AMBERS

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM TOR 3-1 TO BM TOR 4-2
SUB TOTAL	1658	540	CM		186		243	508	CM				
14	163	794	464	5	148	46	10	41	464	5	186 148	46	
15	106	905	407	5	129 83	46	25	392	552	5	274 228	46	
TOTAL	1928	239	CM			672	284	141	CM			678	
	1928	239					1928	239					
DIFF IN ELEV							~~915~~	~~902~~					
BM TOR 4-2							916	902					BM TOR 4-2

F.B. 2447 Pg. 208 JOB NO. 0301.02

SURVEY OF T. A. M. PRECISE LEVEL NET

SURVEY BY ____ NOTES ____

INDEXED H. E. OTT DATE ____

76P52B CE # 306 8-59

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LOS ANGELES COUNTY ENGINEER

700 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 A. L. G. GUIZA 100 WEATHER HOTTER THAN HELL INST. NO. 79-554

NOTES BY A. L. G. DATE 7-21-66 TIME 3:10 TO 3:35 ROD NO. 38756

INDEXED H. E. OTT DATE NOTES CHK. H. J. AMBERS DATE

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													FROM BM TOR 3-1 TO BM TOR 3-2
BM TOR 3-1													BM TOR 3-1
1	160	910	461	5	183 / 137	46	181	270	482	5	204 / 158	46	HAWTHORNE AVE & 17th ST
													SEE FB 2447-195 FOR DESC
2	170	885	471	5	193 / 147	46	057	538	358	5	80 / 34	46	
3	268	302	569	5	291 / 245	46	185	022	486	5	208 / 162	46	
4	093	332	394	5	116 / 70	46	197	342	498	5	220 / 174	46	
5	151	112	452	5	174 / 128	46	167	248	468	5	190 / 144	46	R. D GLIDDEN
6	162	808	463	5	185 / 138	47	180	711	481	5	203 / 157	46	
7	252	056	553	5	275 / 229	46	121	171	422	5	144 / 98	46	
8	174	222	475	5	197 / 151	46	234	580	535	5	257 / 211	46	
9	107	895	408	5	125 / 89	36	250	390	551	5	268 / 232	36	
TOTAL	1541	522	CM			365	1575	278	CM			406 / 405 / 809	
							1541	522					
							33	756					
DIFF ELEV BM TOR 3-2													BM TOR 3-2
													HAWTHOREE AVE & 182ND ST
													SEE FB 2447-196 FOR DESC

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 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.

WEATHER Hot & Humid INST. NO. N3 75234
TIME 1:20 To ROD NO. 95L96
NOTES CHK H. J. AMBERS DATE

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM TOR 3-2 TO BM TOR 3-1
BM TOR 3-2													BM TOR 3-2
1	244	700	545	5	292 / 225	37	10[illegible]	754	403	5	120 / 84	36	HAWTHORNE AVE 182nd ST
													FB 2447-196
2	228	913	529	5	251 / 205	46	167	658	468	5	190 / 144	46	
3	116	906	417	5	139 / 93	46	23[illegible]	712	537	5	259 / 213	46	
4	167	015	468	5	190 / 143	47	16[illegible]	375	461	5	183 / 137	46	
5	164	428	465	5	187 / 141	46	147	519	448	5	170 / 124	46	⊼ R. D GLIDDEN
6	199	863	500	5	222 / 176	46	098	47	399	5	121 / 75	46	
7	186	128	487	5	209 / 163	46	263	22	570	5	292 / 245	47	
8	059	280	360	5	82 / 36	46	170	318	471	5	193 / 147	46	
9	180	377	481	5	203 / 156	47	1[illegible]	735	460	5	182 / 136	46	
TOTAL	1547	310	CM				1513	580	CM				
	1513	580											
DISS IN ELEV	33	730											
BM TOR 3-1													BM TOR 3-1

F.B. 2447 PG. 210 ~~PRELIM. NO.~~ 230/02

SURVEY OF C.A. CO. PRELIM. LEVEL NO.

SURVEY BY A.C.G. NOTES A.C.G.

INDEXED H. E. OTT DATE 7-21-60

76P5 6B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 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 A C GUIZADO WEATHER HOT-SUN INST. NO. 13752

NOTES BY ACG DATE 7-22-60 TIME 10:30 ROD NO. 95896

INDEXED H. E. OTT DATE NOTES CHKD DATE

F.B. 2447 PG. 211

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM TOR 3-2 TO BM TOR 3-3
BM TOR 3-2													BM TOR. 3-2 SE COR.
1	165	815	466	5	188 / 142	46	081	323	382	5	105 / 57	48	HAWTHORNE Blvd. & 182nd ST.
													SEE FB 2447-196 FOR DESC
2	293	504	594	5	293 / 270 2	46	071	872	372	5	93 / 49	44	
3	146	701	447	5	169 / 123	46	219	781	520	5	242 / 196	46	
4	161	381	462	5	184 / 138	46	137	102	438	5	160 / 114	46	⊼ C G VALDEZ
5	248	892	549	5	27[illegible] / 225	46	170	458	471	5	193 / 147	46	
6	057	744	358	5	80 / 34	46	263	086	564	5	286 / 240	46	
7	115	591	416	5	138 / 92	46	191	760	492	5	214 / 168	46	
8	135	109	436	5	155 / 115	40	165	978	466	5	185 / 144	41	
TOTAL	1324	737				362	1301	366				363	
	1301	366										362	
												725	METERS
DIFF/ELEV	23	37+7											
BM TOR 3-3													BM TOR. 3-3
													HAWTHORNE Bd & 190th ST
													SEE FB 2447-197 FOR DESC

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 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 TOR 3-3 TO BM TOR 3-2
BM TOR 3-3													BM TOR 3-3
1	164	196	465	5	184 / 143	41	133	305	434	5	153 / 113	40	HAWTHORNE Blvd & 190th St.
2	192	879	493	5	215 / 169	46	[illegible]	469	418	5	140 / 94	46	SEE FB 2447-197 FOR DESC
3	264	762	565	5	287 / 241	46	058	710	359	5	81 / 35	46	
4	170	013	471	5	193 / 147	46	248	042	549	5	271 / 225	46	
5	137	366	438	5	160 / 114	46	16[illegible]	[illegible]93	464	5	186 / 140	46	
6	225	101	526	5	248 / 202	46	14[illegible]	[illegible]70	450	5	172 / 126	46	
7	074	002	375	5	96 / 51	45	296	[illegible]5	597	5	296 / 214 2	44	
8	082	561	383	5	106 / 58	48	166	[illegible]89	467	5	189 / 142	47	
TOTAL	1310	880				364	1334	493				361	
							1310	880				364	
DIFF/ELEV							23	613				725	
BM TOR 3-2													BM TOR 3-2
													HAWTHORNE & 182nd St SE COR
													SEE FB 2447-196 FOR DESC

WEATHER Hot-SUN INST. NO. N3 75236

TIME 10:55 ROD NO. 95&96

NOTES CHKD DATE

F.B. 2447 PG. 212 JOB NO. 0301.02

SURVEY OF

SURVEY BY ACG NOTES ACG

INDEXED H. E. OTT DATE

76P52[illegible]B CE # 306 6-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 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 A.C. GUIZADO WEATHER Hazy Sun INST. NO. 75234

NOTES BY ACG DATE 7-22-60 TIME 12:50 to ROD NO. 95 & 96

INDEXED H. E. OTT DATE NOTES CHKD DATE

F.B. 2447 PG. 213

STATION	BACKSIGHT RIGHT	MIC.	LEFT		STADIA		FORESIGHT RIGHT	MIC.	LEFT		STADIA		DESCRIPTION AND REMARKS
													FROM BM TOR 3-3 TO BM TOR 3-4
BM TOR 3-3	077	167	378	5	102 / 53	49	096	405	397	5	119 / 72	47	BM TOR. 3-3
													HAWTHORNE BLVD & 190th St
2	208	246	509	5	231 / 185	46	099	726	400	5	122 / 76	46	SEE FB 2447 - 197 FOR DESC
3	162	669	463	5	185 / 143	45	153	742	454	5	176 / 130	46	
4	155	758	456	5	178 / 132	46	160	694	461	5	183 / 137	46	⊼ C.G. VALDEZ
5	148	741	449	5	171 / 125	46	162	226	463	5	185 / 139	46	
6	164	420	465	5	187 / 141	46	146	531	447	5	169 / 123	46	
7	178	423	479	5	201 / 155	46	066	122	367	5	89 / 43	46	
8	292	597	593	5	292 / 270 2	44	023	661	324	5	44 / 2	42	
9	290	405	591	5	290 / 268 2	44	067	442	368	5	91 / 44	47	
10	207	587	508	5	230 / 184	46	148	278	449	5	171 / 125	46	
11	125	577	426	5	148 / 102	46	235	301	536	5	258 / 212	46	
12	055	779	356	5	78 / 32	46	252	231	553	5	275 / 225	46	
13	094	458	395	5	116 / 72	44	178	116	479	5	200 / 156	44	
TOTAL	2161	827				594	1790	475				594 / 590 / 1188	
	1790	475											
DIFF/ELEV	371	352											BM TOR 3-4
BM 3-4													HAWTHORNE AVE & DEL AMO BLVD
													SEE FB 2447-198

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LOS ANGELES COUNTY ENGINEER

700 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 BMTOR 3-4 TO BMTOR 3-3
BMTOR 3-4	175	932	476	5	197 / 153	44	096	549	397	5	118 / 74	44	BMTOR 3-4
2	252	440	553	5	274 / 229	45	05[illegible]	195	351	5	73 / 27	46	HAWTHORNE AVE & DEL AMO BLVD
													SEE FB 2447-198
3	229	309	530	5	252 / 206	46	122	[illegible]77	423	5	145 / 99	46	
4	148	030	449	5	170 / 125	45	[illegible]	[illegible]11	507	5	229 / 183	46	
5	065	992	366	5	88 / 42	46	28[illegible]	[illegible]79	590	5	289 / 266	46	
6	036	821	337	5	57 / 15	42	29[illegible]	[illegible]50	591	5	290 / 269	42	
7	057	180	357	5	80 / 34	46	18[illegible]	[illegible]46	483	5	205 / 159	46	
8	152	191	453	5	175 / 129	46	16[illegible]	[illegible]76	464	5	186 / 140	46	
9	161	818	462	5	184 / 138	46	15[illegible]	[illegible]15	456	5	178 / 132	46	
10	162	957	463	5	185 / 139	46	157	841	458	5	180 / 134	46	
11	161	329	462	5	184 / 138	46	177	[illegible]51	478	5	200 / 154	46	
12	104	145	405	5	127 / 81	46	205	802	506	5	228 / 182	46	
13	096	441	397	5	120 / 72	48	[illegible]	813	377	5	100 / 52	48	
TOTAL	1804	585				592	2175	7695				614	
							1804	585				592	BMTOR 3-3
DIFF/ELEV							371	1840				1206	HAWTHORNE AVE & MOTHS
BMTOR 3-3													SEE FB 2447-197

F.B. 2447 PG. 214 JOB NO. 0301.02

SURVEY OF I. A. CO. PRECISE LEVEL NET

SURVEY BY ACG NOTES ACG

INDEXED H. E. OTT DATE

WEATHER HAZY SUN INST. NO. 75234

TIME 3:00 : 3.40 ROD NO. 95291

NOTES CHKD. DATE

76P52 B CE # 306 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 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 A C GUIZADO WEATHER HAZY & Windy INST. NO. 75238

NOTES BY H. E. OTT DATE 7-22-60 TIME 1:25 ROD NO. 55336

INDEXED DATE NOTES CHKD DATE

F.B. 2447 PG. 215

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													From BM TOR 3-4 To BM TOR 3-5
BM TOR 3-4	223	407	524	5	247 / 200	47	107	910	408	5	138 / 92	46	BM TOR. 3-4
2	163	246	464	5	186 / 145	46	194	898	495	5	217 / 171	46	HAWTHORNE AVE & DEL AMO
													See FB 2447-198 FOR DESC
3	103	269	404	5	126 / 80	46	213	433	514	5	236 / 190	46	
4	149	662	450	5	172 / 126	46	141	587	442	5	164 / 118	46	
5	183	797	484	5	206 / 160	46	129	681	430	5	152 / 106	46	T C G VALDEZ
6	174	577	475	5	197 / 151	46	165	992	466	5	188 / 142	46	
7	149	270	450	5	172 / 126	46	171	430	472	5	194 / 148	46	
8	137	673	438	5	160 / 114	46	196	360	497	5	219 / 173	46	
9	133	098	434	5	156 / 110	46	202	916	503	5	225 / 179	46	
10	132	175	433	5	155 / 109	46	194	445	495	5	216 / 171	45	
11	173	377	474	5	196 / 150	46	106	722	407	5	129 / 81	48	
12	272	123	573	5	295 / 249	46	044	932	345	5	67 / 21	46	
13	229	269	530	5	252 / 206	46	125	628	426	5	147 / 102	45	
14	162	046	463	5	169 / 155	14	176	285	477	5	183 / 168	15	
TOTAL	2386	989				613	2172	219				613 / 1226	BM TOR 3-5
	2172	219											HAWTHORNE AVE & TORRANCE BLVD
DIFF ELEV	214	770											See FB 2447-199 FOR DESC
BM 3-5													

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LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

F.B. 2447 PG. 216 JOB NO. 0301.02

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY ACG NOTES ACG

INDEXED H. E. Ott DATE

WEATHER Hazy Sun INST. NO. N3 75734

TIME 2:15 ROD NO. 75876

NOTES CHKD DATE

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM TOR 3-5 TO BM TOR 3-4
BM TOR 3-5	176	643	477	5	186 169	15	162	419	463	5	169 155	14	BM TOR. 3-5
2	124	088	425	5	146 101	45	227	777	528	5	250 204	46	HAWTHORNE AVE & TORRANCE BLVD
													SEE FB 2447-19? FOR DESC
3	047	918	348	5	70 24	46	275	196	576	5	298 252	46	
4	104	710	405	5	127 81	46	171	333	472	5	194 148	46	
5	193	822	494	5	215 170	45	13?	15	432	5	154 108	46	
6	203	281	504	5	226 180	46	132	970	432	5	125 75	46	
7	196	943	497	5	219 173	46	13?	302	440	5	162 116	46	
8	171	525	472	5	194 146	46	148	177	449	5	171 125	46	
9	163	492	464	5	186 138	46	171	836	472	5	194 148	46	
10	127	985	428	5	150 102	46	162	786	483	5	205 159	46	
11	139	893	440	5	162 116	46	146	303	447	5	169 123	46	
12	212	963	513	5	235 189	46	102	582	403	5	125 79	46	
13	191	172	492	5	214 168	46	159	552	460	5	182 136	46	
14	100	681	401	5	123 77	46	216	558	517	5	239 192	47	
TOTAL	2155	076					2369	806				613	
						611	2155	076				611	BM TOR 3-4
DIFF/ELEV							214	730				12 2	HAWTHORNE AVE & DELAMO
BM TOR 3-4													SEE FB 2447-198

76P52[illegible]B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 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 A.C. GUIZADO WEATHER OVERCAST INST. NO. 75234

NOTES BY ACG DATE 7/26/60 TIME 9:05 to 9:50 ROD NO. 95896

INDEXED H. E. OTT DATE NOTES CHKD DATE

F.B. 2447 Pg. 217

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM TOR 3-5 TO BM 22-14
BM TOR 3-5	170	116	471	5	184 155	29	217	524	518	5	231 202	29	BM TOR. 3-5
2	085	618	386	5	108 62	46	238	692	539	5	261 215	46	HAWTHORNE AVE & TORRANCE BLVD SEE FB 2447-199
3	100	990	401	5	123 77	46	193	146	494	5	216 170	46	
4	113	005	414	5	136 90	46	166	935	467	5	189 142	47	⊼ R.D. GLIDDEN
5	088	150	389	5	110 65	45	211	958	512	5	233 188	45	
	126	265	427	5	149 103	46	212	999	513	5	235 189	46	
7	124	132	425	5	147 101	46	226	158	527	5	249 203	46	
8	085	040	386	5	108 62	46	268	451	569	5	291 245	46	
TOTAL	893	316				350	1735	863				351	
							893	316				350	
							842	547				701	
DIFF/ELEV. BM TOR 3-6													BM TOR 3-6 NW COR
1	177	272	478	5	186 168	18	177	872	478	5	186 168	18	HAWTHORNE AVE & CARSON ST SEE FB 2447-200
2	180	167	481	5	203 156	47	158	752	459	5	181 134	47	
3	176	394	477	5	199 152	47	161	747	462	5	184 137	47	
4	178	172	479	5	201 154	47	166	273	467	5	189 142	47	
	712	005					664	644					

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 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 TOR 3-5 TO BM 22-14
5	181	941	482	5	208 / 158	46	14[illegible]	232	446	5	168 / 122	46	
6	187	958	488	5	210 / 164	46	14[illegible]	29[illegible]	446	5	168 / 122	46	
7	167	554	468	5	199 / 188	46	164	381	465	5	187 / 10[illegible]	46	
8	125	738	426	5	148 / 102	46	223	231	524	5	246 / 200	46	
TOTAL	1375	196				343	1343	383				343	
	1343	383											
DIFF/ELEV	31	813										387	METERS
BM 22-14												343	BM 22-14 (TORR. J-9)
												343	HAWTHORNE AVE & SEPULVEDA BLVD
												686	SEE FB 1391

F.B. 2447 PG. 218

SURVEY OF C. A. CO. PRECISE LEVEL NET

SURVEY BY ACG NOTES ACG

INDEXED H. E. OH DATE

JOB NO. 0301.02

WEATHER OVERCAST INST. NO. 75234

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

NOTES CHKD. DATE

76P5253B CE # 306 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 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 A. C. Gillzeau

NOTES BY A.C.G.

DATE 7/26/60

WEATHER Overcast

INST. NO. 75236

TIME 9:50 - 10:35

ROD NO. 5878

INDEXED

DATE

NOTES CHK'D H. E. OTT

DATE

B. J. AMBERS

F.B. 2447 Pg. 21

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 22-14 TO BM TOR 3-5
BM 22-14													BM 22-14 (TORR J-9)
1	221	683	522	5	244 / 198	46	124	217	425	5	147 / 101	46	HAWTHORNE AVE & SEPULVEDA BLVD.
													SEE FB 1391-
2	166	007	467	5	189 / 143	46	163	070	464	5	186 / 140	46	
3	139	193	440	5	162 / 116	46	187	271	488	5	210 / 164	46	
4	143	360	444	5	166 / 120	46	180	672	481	5	203 / 157	46	
5	166	302	467	5	189 / 142	47	177	155	478	5	200 / 153	47	
6	159	796	460	5	182 / 135	47	176	048	477	5	199 / 152	47	
7	158	932	459	5	181 / 134	47	178	949	479	5	201 / 154	47	
8	179	552	480	5	188 / 170	18	179	341	480	5	188 / 170	18	
TOTAL	1334	825				343	1366	723				343	
							1334	825					
							31	898					
D. FF ELEV													
BM TOR 3-6													BM TOR 3-6
1	267	092	568	5	289 / 245	45	083	747	384	5	106 / 60	46	HAWTHORNE AVE & CARSON ST.
													SEE FB 2447-200
2	227	256	528	5	250 / 204	46	117	765	418	5	140 / 94	46	
3	204	956	505	5	227 / 181	46	125	791	426	5	148 / 102	46	
4	211	808	512	5	234 / 188	46	088	087	389	5	110 / 65	45	

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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 22-14 TO BM TOR 3-5
5	175	932	47[illegible]	5	148 / 152	46	1[illegible]	163	424	5	146 / 155	46	
6	208	935	509	5	231 / 185	46	1[illegible]	661	421	5	163 / 77	46	
7	245	573	54[illegible]	5	368 / 222	46	087	356	388	5	110 / 64	46	
8	219	682	520	5	233 / 204	29	17[illegible]	390	473	5	186 / 157	29	
TOTAL	1761	234				350	918	960				350	
	918	960										350	
DIFF/ELEV	842	274										700	BM TOR 3-5
BM TOR 3-5													HAWTHORNE AVE & TORRANCE BLVD
													SEE FB 2447-199

F.B. 2447 PG. 220

JOB NO. 0301.02

SURVEY OF L. A. CO. PRECISE LEVEL NET

SURVEY BY ACG NOTES ACG

INDEXED H. E. OTT DATE

WEATHER OVERCAST INST. NO. 75234

TIME 9:50 - 10:35 ROD NO. 75896

NOTES CHKD. H. J. AMBERS DATE

Notes Ck'd by	Survey of L.A.Co. Precise Level Net
Map No.	JN 0301.02 Tape Std °F
Office Work	Surveyed by FE Brooks
Checked	Notes FEB & DL Date July 1960
Date	Indexed M. E. Oil AUG 3 '60

F. B. 2447 PG. 225

JN 0301.02

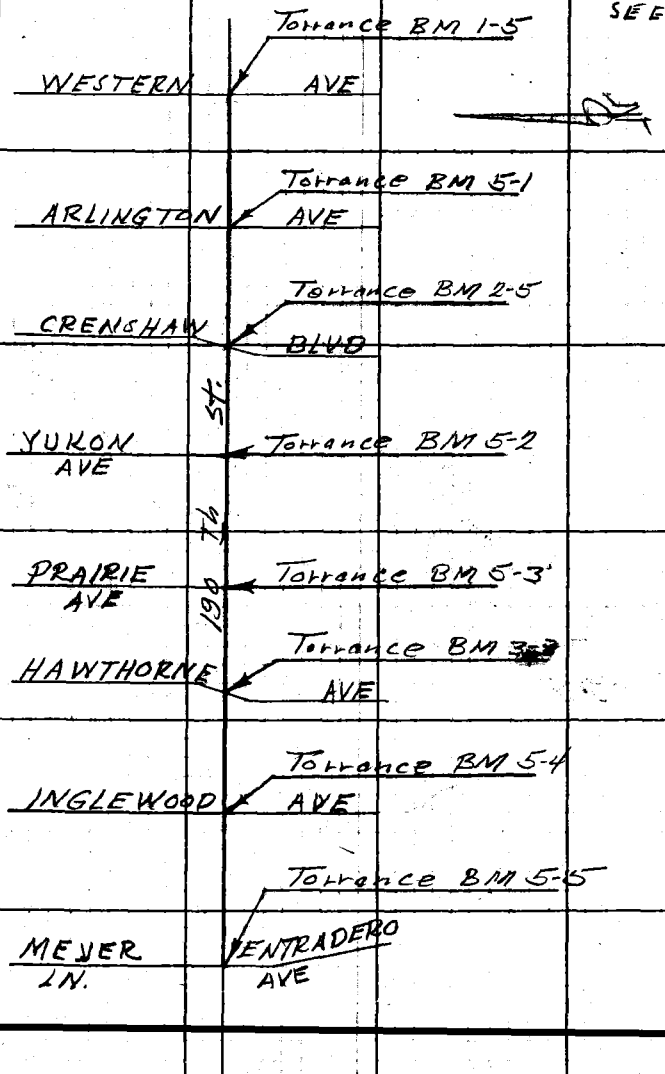
L.A. CO. PRECISE LEVEL NET

CITY of TORRANCE

LINE # 5

L. A. County Line ~~B.M.~~ No. 55 (Part)

SEE F.B. 3702-151 ON



Brooks
LeGault
Turrill
Siemann
Workman

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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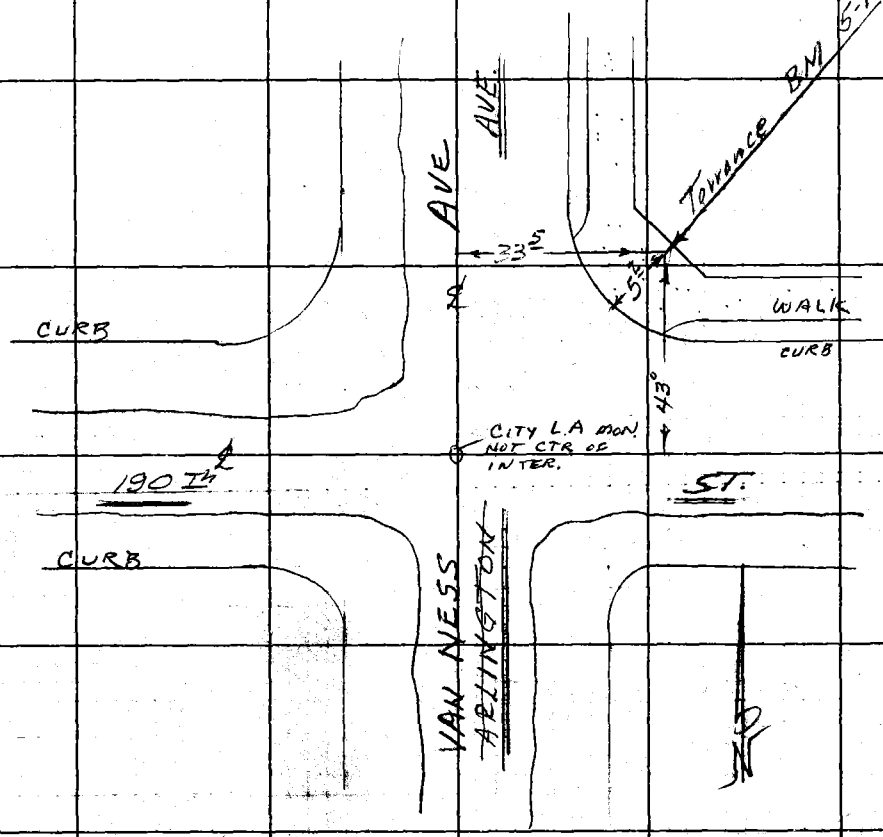
100 LOS ANGELES COUNTY ENGINEERING BLDG.

7630-6 CE #247—7-59

F. B. 2449 PG. 226

L. A. County 55-22
B. M. No. 55-5-1

TORRANCE BM 5-1 =
At VAN NESS ARLINGTON AVE and 190th ST.
North east corner, in the sidewalk at 1/2. In a well protected by a cast iron cover marked COUNTY ENGINEER MONUMENT a std L. A. County Engineer Brass Cap Monument 12" below surface of walk stamped TOR 5-1



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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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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.

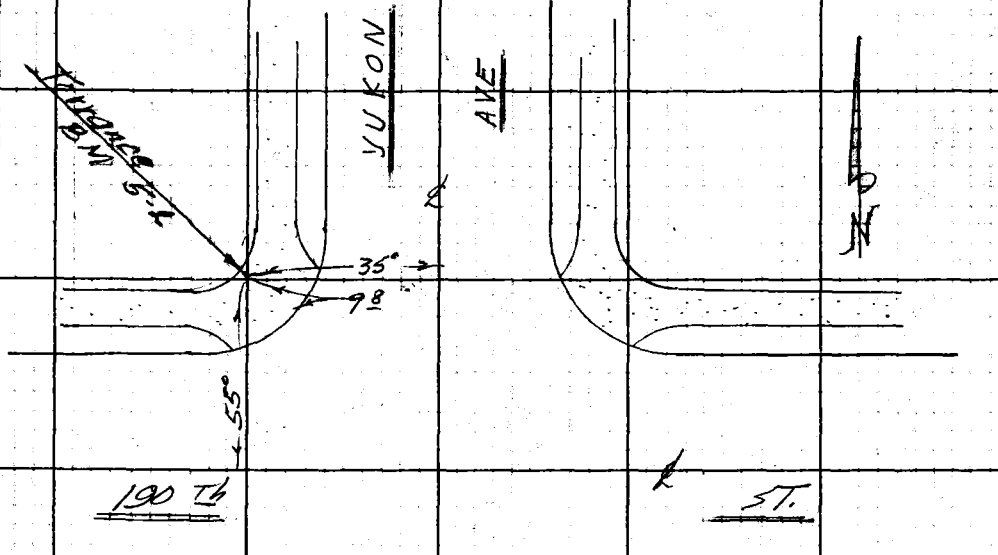
Notes Ck'd by	Survey of L. A. Co. Precise Level Net
Map No.	JN 0301.02 Tape Std °F
Office Work	Surveyed by FE Brooks
Checked	Notes FEB & DL Date July 1960
Date	Indexed N. E. Off

F. B. 2447 PG. 227

L. A. County 55-23
B. M. No. 55-5-2

TORRANCE BM 5-2 =

YUKON AVE and 190th ST. North West corner. in the sidewalk at Δ/2 in a well protected by a cast iron cover marked COUNTY ENGINEER MONUMENT a std. L. A. County Engineer Brass Cap Monument 12" below surface of walk stamped TOR. 5-2



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RETURN TO
LOS ANGELES COUNTY ENGINEER
100 LOS ANGELES COUNTY ENGINEERING BLDG.

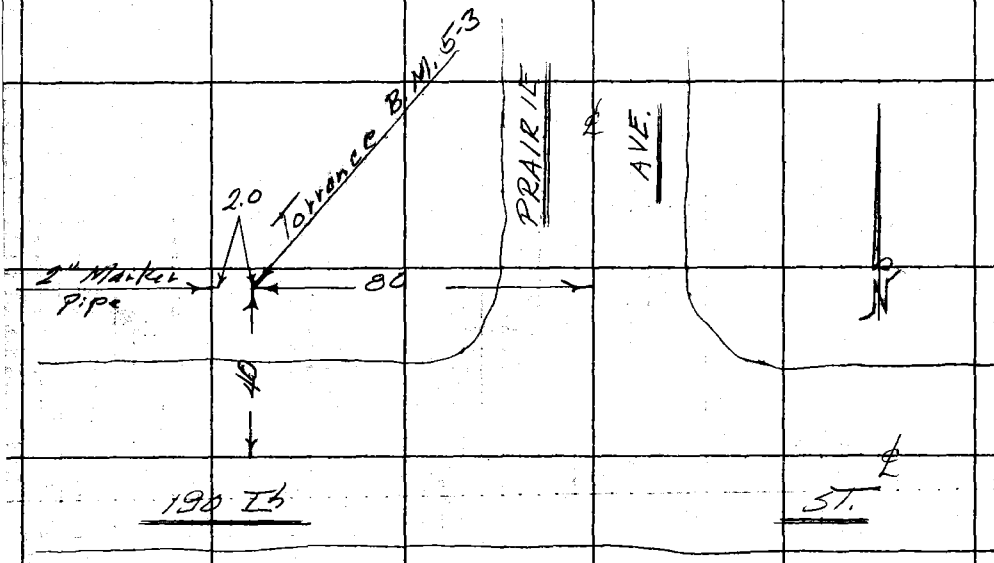
7630-S CE #247—7-53

F. B. 2441 Pg. 228

L. A. County 55-24
B. M. No. 55-5-3

TORRANCE B.M. 5-3

PRAIRIE AVE and 190 Th ST. North West Corner. ± 40 feet North of ℄ of 190 Th St. and ± 80 feet West of The ℄ of PRAIRIE AVE. 2 feet East of 2 inch dia. 3 foot high yellow marker pipe. in a well protected by a cast iron cover Marked COUNTY ENGINEER MONUMENT 12" below surface of ground a std. L.A. Co. Engineer Brass Cap Monument stamped TOR 5-3



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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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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.

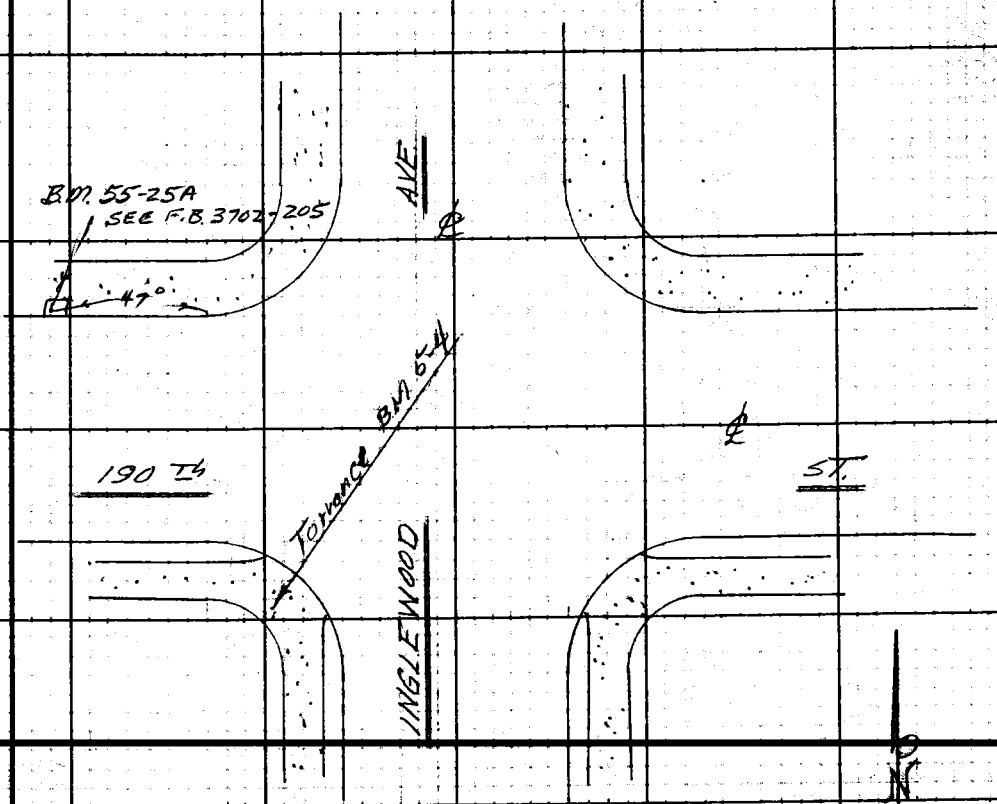
Notes Ck'd by	Survey of L.A.Co. Precise Level Net F. B. 2947 PG. 229
Map No.	JN 0301.12 Tape Std °F
Office Work	Surveyed by F.E.Brooks
Checked	Notes FEB & DL Date July 1960
Date	Indexed M. E. OTT

County 55-25

TORRANCE B.M. 5-4 = B. M. No. 55-5-4

INGLEWOOD AVE. and 190th ST.
South West Corner. in side walk
at 4/2 in a well protected by a cast
iron cover marked COUNTY ENGINEER
MONUMENT 12" below surface of walk
a std. L.A. County Engineer Brass Cap
Monument stamped TOR 5-4

10-21-74 NOT RECOVERED FOUND A 1 FT. DIAM. ROUND PATCH
IN NEW CONCRETE WALK - NO TIES G.E.DREIER



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LOS ANGELES COUNTY ENGINEER
900 LOS ANGELES COUNTY ENGINEERING BLDG.

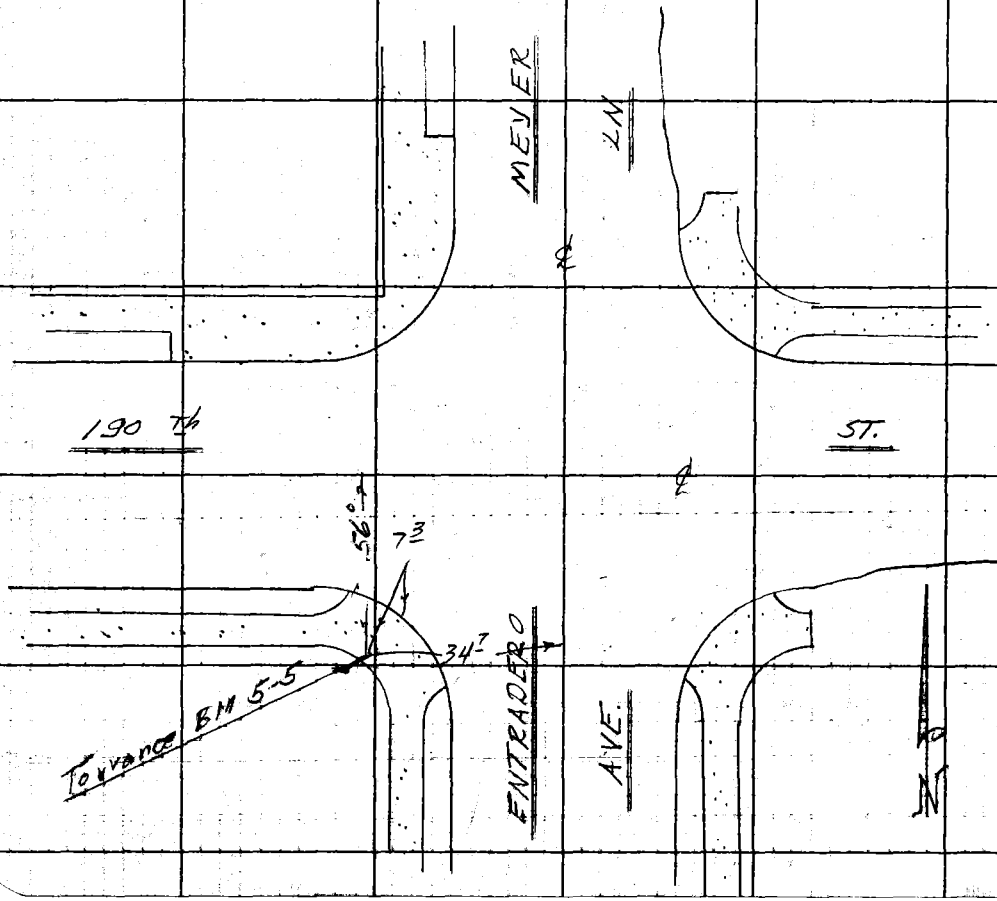
7830-B CE #247—7-53

F.B. 244 / PG. 230

L. A. County 55-26
B. M. No. 55-5-5

TORRANCE B.M. 5-5

ENTRADERO AVE, MEYER LN and 190 Th ST. South West Corner in the side walk at 4/2 in a well protected by a cast iron cover marked COUNTY ENGINEER MONUMENT 12" below surface of walk a std L.A. County Engineer Monument stamped TOR 5-5



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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 Sunny Inst. No. 15066
Notes by R.F. Siemann Time 08:30 - 09:15 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301 02
From Tor. BM-1-5 To Tor. BM 5-1
Date 25 July 1960
Indexed H.F. [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
	6.458		187			4.581		187		Tor. BM 1-5
	6.271		189			4.394		183		Western Ave and 190th St.
	6.082		376			4.211		370		see F.B. 2447-84
1	18.811	6.270		.376	86°	13.186	4.395		.370	for description
	6.102		184			4.998		188		
	5.918		187			4.810		184		
	5.731		371			4.626		372		
2	17.751	5.917		.747		14.434	4.811		.742	
	5.631		183			4.987		187		
	5.448		186			4.800		186		
	5.262		369			4.614		373		
3	16.341	5.447		1.116		14.401	4.800		1.115	
	5.660		184			4.960		188		
	5.476		185			4.772		184		
	5.291		369			4.588		372		
4	16.427	5.476		1.485		14.320	4.773		1.487	
	5.890		185			5.091		186		
	5.705		184			4.905		184		
	5.521		369			4.721		370		
5	17.116	5.705		1.854		14.717	4.906		1.857	
	28.816					23.685				

F.B. 2447 P.G. 23

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. BROOKS Weather Sunny Inst. No. 15066
Notes by R. F. Siemann Time 08:30-09:15 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0201.02
From B.M. 1-5 To B.M. 5-1
Date 25 H. E. OH 1960
Indexed

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
	5.853	28.815	184	1.854		5.091	23.685	182	1.857	
	5.669		186			4.909		186		
	5.483		370			4.723		368		
6.	17.005	5.668		2.224		14.723	4.908		2.225	
	5.855		185			5.110		187		
	5.670		184			4.923		183		
	5.486		369			4.740		370		
7.	17.011	5.670		2.593		14.773	4.924		2.595	
	5.704		182			4.881		184		
	5.522		182			4.667		186		
	5.340		364			4.481		370		
8.	16.566	5.522		2.957		13.999	4.666		2.965	
	5.731		187			5.199		189		
	5.544		185			5.010		188		
	5.359		372			4.822		377		
9	16.634	5.545		3.329		15.031	5.010		3.342	
	5.730		150			5.388		150		
	5.580		150			5.238		149		
	5.430		300			5.089		299		
10	16.740	5.580		2.629		15.715	5.238		3.641	
		56.800					48.431			

F.B. 2442 P.G. 234

76P52[illegible]-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny Inst. No. 15066
Notes by R. F. Siemann Time 08:20 - 09:15 Rod No. 31-32

Name L. A. Co. Precise Level Net
Job No. 0301.02
From B.M. 1-5 To B.M. 5-1
Date 25 July 1960
Indexed H. E. Ott

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
	5.486	56.800	094	3.629		5.290	48.431	105	3.641	To: B.M. 5-1
	5.392		092			5.185		105		Arlington Ave and 190th St
	5.300		186			5.080		210		See F.B. 2447-226
11	16.178	5.393		3.815		15.555	5.185		3.851	for description
									3815	
									7666	
										Summation of Run
										From Tor. BM 1-5
										To Tor. BM 5-1
										Total Back sights = + 62.193
										" Fore sights = - 53.616
										diff. elev. = + 8.577
										F.B. 2447 P.G. 235
	62.193					53.616				

76P526-CE 379—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 sunny Inst. No. 15066
Notes by R.F. Siemann Time 09:15 - 09:45 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 5-1 To B.M. 1-5
Date 25 July 1960
Indexed H. E. Off

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
	5.243		103			5.438		095		B.M. 5-1
	5.140		107			5.343		092		Arlington Ave and 190th St.
	5033		210			5.251		187		See F.B. 2447 - 226
1	15.416	5.139		210	86°	16.032	5.344		187	for description
	5.331		150			5.679		150		
	5.181		149			5.529		150		
	5.032		299			5.379		300		
2	15.544	5.181		509		16.587	5.529		.487	
	5.231		184			5.771		192		
	5.047		183			5.579		188		
	4.864		367			5.391		380		
3	15.142	5.047		.876		16.741	5.580		.867	
	4.711		182			5.571		184		
	4.529		186			5.387		182		
	4.343		368			5.205		366		
4	13.583	4.528		1.244		16.163	5.388		1.233	
	5.102		182			5.850		187		
	4.920		184			5.663		185		
	4.736		366			5.478		372		
5	14.758	4.919		1.610		16.991	5.664		1.605	
		24.814					27.505			

F.B. 2447 P.G. 236

76P52[illegible]-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. BROOKS Weather sunny Inst. No. 15066
Notes by R. F. Siemann Time 09:15 - 09:45 Rod No. 31-32

Name L.A. Co. Precise Level Net
Job No. 0301.02
From TOR. B.M. 5-1 To TOR. B.M. 1-5
Date 25 July
Indexed H. E. Off

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
	4.925	24.814	185	1.610		5.688	28.505	187	1.605	
	4.740		186			5.501		183		
	4.554		371			5.318		370		
6	14.219	4.740		1.981		16.507	5.502		1.975	
	5.053		184			5.852		184		
	4.869		186			5.668		187		
	4.683		370			5.481		371		
7	14.605	4.868		2.351		17.001	5.667		2.346	
	4.965		185			5.670		188		
	4.780		185			5.482		184		
	4.595		370			5.298		372		
8	14.340	4.780		2.721		16.450	5.483		2.718	
	5.002		184			5.642		183		
	4.818		186			5.459		182		
	4.632		370			5.277		365		
9.	14.452	4.817		3.091		16.378	5.459		3.083	
	4.931		186			6037		186		
	4.745		185			5.851		184		
	4.560		371			5.667		370		
10.	14.236	4.745		3.462		17.555	5.852		3.453	
		48.764					55.468			

F.B. 2447 P.G. 237

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 Sunny Inst. No. 15-066
Notes by R.F. Siemann Time [illegible] Rod No. 31-32

Name L.A.C. Precise Level Net
Job No. 0301.02
From T.O.R. B.M. 5-1 To T.O.R. B.M. 1-5
Date 25 July 1960
Indexed H. E. OTT

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
	4.531	48.464	183	3.462		6.464	56.468	186	3.452	T.O.R. B.M. 1-5
	4.348		183			6.218		187		Western Ave and 190th St.
	4.165		366			6.031		373		See F.B. 2447-84
11	8.044	4.348		3.828		8.653	6.218		3.826	for description
									3.828	
									7.654	
										Summation of Run From T.O.R. BM 5-1 To T.O.R. BM 1-5
										Total Backsights = + 53.112
										" Foresights = - 61.686
										diff. elev. = - 8.574
	53.112					61.686				

F.B. 2447 P.G. 238

76P5 6-CE 379—10-57

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 sunny Inst. No. 15066
Notes by R. F. Siemann Time 09:50 - 10:30 Rod No. 31-32

Name L. A. Co. Precise Level Net
Job No. 0201 02
From Tor. BM 5-1 To Tor BM 2-5
Date 25 July, 1960
Indexed H. E. Ott

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
	5.079		186			6.141		183		Tor. BM 5-1
	4.893		182			5.958		185		Arlington Ave and 190th St.
	4.711		368			5.773		368		see F.B. 2447-226
1	14.683	4.894		368	BB°	17.872	5.957		368	for description.
	4.807		186			6.147		185		
	4.621		182			5.962		182		π LeGault
	4.439		368			5.780		367		
2	13.867	4.622		736		17.889	5.963		735	
	4.454		183			6.172		183		
	4.271		180			5.989		187		
	4.091		363			5.802		370		
3	12.816	4.272		1.099		17.963	5.988		1.105	
	4.445		185			6.594		184		
	4.260		182			6.410		187		
	4.078		367			6.223		371		
4	12.783	4.261		1.466		19.227	6.409		1.476	
	6.098		187			4.700		183		
	5.911		183			4.517		186		
	5.728		370			4.331		369		
5	17.737	5.912		1.836		13.548	4.516		1.845	
		23.961					28.833			

F.B. 2447 P.G. 239

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 Sunny Inst. No. 15066
Notes by R. F. Siemann Time 9:50 - 10:30 Rod No. 31-32

Name L.A.C. Precise Level Net
Job No. 0301.02
From T.B.R.B.M. 5-1 To T.B.R.B.M. 2-5
Date 25 July 1940
Indexed

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
	6.302	23.961	183	1.836		4.731	26.833	183	1.845	
	6.119		181			4.548		185		
	5.928		364			4.363		368		
6	18.359	6.120		2.200		13.642	4.547		2.213	
	6.191		184			4.948		185		
	6.007		185			4.763		183		
	5.822		369			4.580		368		
7.	18.020	6.007		2.569		14.291	4.764		2.581	
	5.886		186			4.839		182		
	5.702		182			4.657		185		
	5.520		368			4.472		367		
8	17.110	5.703		2.937		13.968	4.656		2.948	
	5.965		185			6.520		183		
	5.780		181			6.337		186		
	5.599		366			6.151		369		
9	17.344	5.781		3.203		19.008	6.336		3.317	
	3.882		183			7.069		185		
	3.699		182			6.884		183		
	3.517		365			6.701		368		
10.	11.098	3.699		3.668		20.654	6.885		3.685	
	51.271					56.021				

P.B. 2441 P.G. 240

76P523-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 Sunny Inst. No. 15066
Notes by R. F. Siemann Time 09:50-10:30 Rod No. 31-32

Name L. A. Co. Precise Level Net
Job No. 0301.02
From To R.B.M. 5-1 To To R.B.M. 2-5
Date 25 July, 1960
Indexed H. E. [illegible]

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
	3.860	51.271	182	3.668		5.700	56.021	183	3685	
	3.678		186			5.517		186		
	3.492		368			5.331		369		
11	11.030	3.677		4.036		16.548	5.516		4054	
	4.831		182			4.948		188		Summation of Run
	4.649		186			4.760		184		From Tor. BM 5-1
	4.463		368			4.576		372		To Tor. BM 2-5
12	13.943	4.648		4.404		14.284	4.761		4.426	
	5.839		188			4.769		184		Total Backsights = + 71.158
	5.651		190			4.585		181		" Foresights = − 76.901
	5.461		378			4.404		365		diff. elev. = − 5.743
13	16.951	5.650		4.782		13.758	4.586		4.791	
	5.983		072			6.093		075		To R.B.M. 2-5 (L.A.Co. BM 22-7A)
	5.911		070			6.018		078		Crenshaw Blvd and 190th St.
	5.841		142			5.940		153		See F.B. 1395-125
14	17.735	5.912		4.924		18.051	6.017		4.944	for description
									4924	
									9868	
		71.158					76.901			

F.B. 2447 P.G. 241

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 Sunny Inst. No. 15066
Notes by R. F. Siemann Time 10:30 - 11:15 Rod No. 21 - 22

Name L.A.Co. Precise Level Net
Job No. 0301.02
From T.O.R.B.M. 2-5 To T.O.R.B.M. 5-1
Date 25 July 1960
Indexed H. E. OTT

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
	6.066		077			5.954		072		T.O.R.B.M. 2-5 (L.A.Co. B.M. 22-7A)
	5.989		078			5.882		070		Crenshaw Blvd and 190th St.
	5.911		155			5.812		142		See F.B. 1395-125
1.	17.966	5.989		.155	88°	17.648	5.883		142	for description
	4.708		188			5.772		185		
	4.520		185			5.587		186		
	4.335		373			5.401		371		
2.	13.563	4.521		.528		16.760	5.587		.513	
	4.641		183			4.529		187		
	4.458		185			4.342		183		
	4.273		368			4.159		370		
3	13.372	4.457		.896		13.030	4.343		.883	
	5.670		187			3.828		186		
	5.483		184			3.642		183		
	5.299		371			3.459		369		
4	16.452	5.484		1.267		10.929	3.643		1.252	
	7.090		182			3.905		185		
	6.908		185			3.720		182		
	6.723		367			3.538		367		
5	20.721	6.907		1.634		11.163	3.721		1.619	
	27.358					23.177				

F.B. 2447 P.G. 247

76P52[illegible]-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 Sunny Inst. No. 15066
Notes by R.F. Siemann Time 10:30 - 11:15 Rod No. 31-32

Name L.A.Co. Precise Level Net
Job No. 0301.02
From TOR B.M. 2-5 To TOR B.M. 5-1
Date 25 July, 1960
Indexed H. E. OTT

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
	6.555	27.358	184	1.634		6.001	23.177	183	1.619	
	6.371		181			5.818		184		
	6.190		365			5.634		367		
6	19.116	6.372		1.999		17.453	5.818		1.986	
	4.846		185			5.891		183		
	4.661		183			5.708		183		
	4.478		368			5.525		366		
7	13.985	4.662		2.367		17.124	5.708		2.352	
	4.979		183			6.220		180		
	4.796		184			6.040		184		
	4.612		367			5.856		364		
8	14.387	4.796		2.734		18.116	6.039		2.716	
	4.723		181			6.302		187		
	4.542		181			6.115		185		
	4.361		362			5.930		372		
9	13.626	4.542		3.096		18.347	6.116		3.088	
	4.685		184			6.079		186		
	4.501		183			5.893		182		
	4.318		367			5.711		368		
10	13.504	4.501		3.463		17.683	5.894		3.456	
		52.231					52.752			

F.B. 2447 P.G. 243

76P526-CE 379—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 Sunny Inst. No. 15066
Notes by R.F. Sieuaa Time 10:30 - 11:15 Rod No. 31-32

Name L.A.Co. Precise Level Net
Job No. 0201.02
From Tor. B.M. 2-5 To Tor. B.M. 5-1
Date 2-5-July 1960
Indexed H. E. OTT

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
	6.536	52.231	187	3.463		4.389	52.752	185	3.458	
	6.351		183			4.204		184		
	6.168		370			4.020		369		
11	19.057	6.352		3833		12.613	4.204		3.825	
	6.168		186			4.447		182		Summation of Run
	5.982		184			4.265		185		From Tor. BM 2-5
	5.798		370			4.080		367		To Tor. BM 5-1
12	17.948	5.983		4.203		12.792	4.264		4.192	
	6.093		182			4.753		183		Total Backsights = + 76.407
	5.911		182			4.570		182		" Foresights = − 70.656
	5.729		364			4.388		365		diff. elev. = + 5.751
13	17.733	5.911		4.567		13.711	4.570		4.557	
	6.112		182			5.048		181		Tor. B.M. 5-1
	5.930		183			4.867		185		Arlington Ave and 190th St.
	5.747		365			4.682		366		see F.B. 2447-226
14	17.789	5.930		4.932		14.597	4.866		4.923	for description
									4932	
									9855	
	76.407					70.656				

F.B. 2447 P.G. 226

76P526-CE 379—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 Sunny Inst. No. 15066
Notes by R. Turrill Time 11:30 - 12:00 Rod No. 31432

Name L.A.Co. Precise Level Net
Job No. 030102
From Tor BM R-5 To Tor BM 5-2
Date 25 July 1960
Indexed M.E.O.

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	6569		188			4930		182		Tor. BM 2-5 (L.A.Co. BM 22-7A) Crenshaw Blvd and 190th St. See F.B. 1395-125 for description
	6381		186			4748		186		
	6195		374			4562		368		
	19145	6.382		374		14240	4.747		368	
2	5878		188			5098		188		
	5690		187			4910		185		
	5503		375			4725		373		
	17071	5.690		749		14733	4.911		741	
3	6018		187			5071		186		
	5831		184			4885		184		
	5647		371			4701		370		
	17496	5.832		1120		14657	4.886		1111	
4	6055		186			5218		187		
	5869		182			5031		183		
	5687		368			4848		370		
	17611	5.870		1488		15097	5.032		1481	
5	6252		182			5338		186		
	6070		182			5152		182		
	5888		364			4970		368		
	18210	6.070		1852		15460	5.153		1849	
		29.844					24.729			

F.B. 2447 P.G. 245

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 Sunny Inst. No. 15066
Notes by R. Turrill Time 11:30 - 12:00 Rod No. 31432

Name L.A.Co. Precise Level Net
Job No. 0701.02
From Tor. B.M. 2-5 To Tor. B.M. 5-2
Date 25 July 1960
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals 1852	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals 1849	DESCRIPTION AND REMARKS
6	6310	29.844	185			4953	24.729	185		
	6125		185			4768		185		
	5940		370			4583		370		
	18375	6125		2222		14309	4.768		2219	
7	6564		187			4882		187		Summation of Run
	6377		186			4695		187		From Tor. BM 2-5
	6191		373			4508		374		To Tor BM 5-2
	19132	6377		2595		14085	4.695		2593	
8	6571		183			5242		184		Total Backsights = + 54.293
	6388		187			5058		188		" Foresights = - 44.599
	6201		370			4870		372		diff. elev. = + 9.694
	19160	6387		2965		15170	5.057		2965	
9	5605		045			5401		51		
	5560		045			5350		50		
	5515		090			5300		101		
	16680	5560		3055		16051	5.350		3066	
										B.M. To R. 5-2 Yukon Ave and 190th St. See F.B. 2447-227 for description
		54.293					44.599			

F.B. 2447 P.G. 226

76P52S-CE 379—10-57

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 Sunny windy Inst. No. 15066
Notes by R. Turrill Time 13:10 - 13:40 Rod No. 31 & 32

Name L.A.C. Precise Level Net
Job No. 0301.02
From Tor. BM 5-2 To Tor. BM 2-5
Date 25 July 1960
Indexed H. E. Ott

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	5282		052			5483		045		Tor. B.M. 5-2
	5230		052			5438		043		Yukon Ave and 190th St.
	5178		104			5395		088		see F.B. 2447-227
	15690	5230		104	96°	16316	5439		088	for description
2	5182		184			6510		184		
	4994		187			6326		186		T Robert Siemann
	4807		375			6140		370		
	14983	4994		479		18976	6325		458	
3	4987		189			6668		188		
	4798		189			6480		187		
	4609		378			6293		375		
	14394	4798		857		19441	6480		833	
4	5062		179			6430		190		
	4883		181			6240		189		
	4702		360			6051		379		
	14647	4882		1217		18721	6240		1212	
5	5302		184			6218		188		
	5118		186			6030		185		
	4932		370			5845		373		
	15352	5117		1587		18093	6031		1585	
	25021					30515				

F.B. 2447 P.G. 227

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 Sunny - windy Inst. No. 15066
Notes by R. Turrill Time 13:10 - 13:40 Rod No. 31492

Name L.A.Co Precise Level Net
Job No. 0301.02
From Tor. B.M. 5-2 To Tor. B.M. 2-5
Date 25 July 1960
Indexed H. E. OTT

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
		25021		1587			15		1585	
6	5265		184			6103		183		
	5081		186			5920		184		
	4895		370			5736		367		
	15241	5080		1957		17759	5920		1952	
7	5043		185			5986		186		Summation of Run
	4858		188			5800		187		From Tor. BM 5-2
	4670		373			5613		373		To Tor. BM 2-5
	14571	4857		2330		17399	5800		2325	
8	5160		188			5940		185		Total Backsights = + 44.354
	4972		184			5755		187		" Forsights = - 54.044
	4788		372			5568		372		diff elev. = - 9.690
	14920	4973		2702		17263	5754		2697	
9	4609		187			6242		187		
	4422		184			6055		187		
	4238		371			5868		374		
	13269	4423		3073		18165	6055		3071	
									3073	Tor. B.M. 2-5 (L.A.Co. B.M. 22-74)
									6144	Crenshaw Blvd and 190th St.
										see F.B. 1395-125
										for description
	44354					54044				

F.B. 2440 P.G. 248

76PS-68 CE # 306 8-59

PLEASE RETURN TO
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700 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 TOR 3-1 TO BM TOR 4-2
BM TOR 3-1													BM TOR 3-1
1	092	820	393	5	116/70	44	293	078	594	5	293/271 2	44	ARTESIA BLVD & HAWTHORNE AVE
													SEE FB 2447-195
2	131	225	432	5	146/116	30	231	925	532	5	246/216	30	
3	091	492	392	5	116/69	46	185	048	486	5	208/162	46	
4	146	319	447	5	169/123	46	164	419	465	5	187/141	46	A. L. GOBLE
5	123	830	424	5	166/120	46	142	272	443	5	165/119	46	
6	148	275	449	5	171/125	46	167	092	468	5	190/144	46	
7	148	751	449	5	171/125	46	167	815	468	5	190/144	46	
8	149	188	450	5	172/126	46	165	959	466	5	188/142	46	
9	143	812	444	5	166/120	46	176	908	477	5	199/153	46	
10	118	698	419	5	140/96	44	186	579	487	5	208/164	44	
11	107	343	408	5	130/86	46	302	093	503	5	225/179	46	
12	116	098	417	5	139/93	46	167	879	468	5	190/144	46	
13	134	620	435	5	157/111	46	174	633	475	5	197/151	46	

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY A.C.G. / GILL ZAMORO DATE 8-18-60 WEATHER OVERCAST INST. NO. 23231

NOTES BY H. E. OTT DATE AUG 24 60 TIME 8:50 - 9:55 ROD NO. 25672

INDEXED DATE NOTES CHKD DATE

F.B. 2447 P. 247

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 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 BMTOR 3-1 TO BMTOR 4-2
14	162	042	463	5	185 / 139	46	16[illegible]	85	461	5	183 / 137	46	
15	100	078	40[illegible]	5	133 / 77	46	[illegible]	[illegible]	545	5	267 / 221	46	
TOTAL	1914	591				662	[illegible]	[illegible]				[illegible]	
							[illegible]	[illegible]				[illegible]	
DIFF/ELEV BMTOR 4-2							9[illegible]	[illegible]					Meter
													BMTOR 4-2 [illegible] BLVD & [illegible] AVE SEE FB 2447-194

F.B. 2447 PG. 250

JOB NO. 0301.02

SURVEY OF L. A. CO. PRECISE LEVEL NET

SURVEY BY ACG NOTES ACG

INDEXED H. E. OTT DATE

WEATHER OVERCAST INST. NO. 75234

TIME 8:50 - 9:35 ROD NO. 95 & 96

NOTES CHKD. DATE

76P5[illegible]6B CE # 306 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 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 A.C. GUIZADO WEATHER Sunshine Windy INST. NO. 75234

NOTES BY ACG DATE 8/18/60 TIME 10:15-11:30 ROD NO. 95896

INDEXED H. E. OTT DATE NOTES CHKD DATE

F.B. 2447 PG. 251

STATION	BACKSIGHT RIGHT	MIC.	LEFT		STADIA		FORESIGHT RIGHT	MIC.	LEFT		STADIA		DESCRIPTION AND REMARKS
													FROM BM TOR 3-3 TO BM TOR 5-4
BM TOR 3-3													BM TOR 3-3
1	081	318	382	5	100 / 62	38	129	421	430	5	150 / 108	42	HAWTHORNE AVE & 190th ST
													SEE FB 2447-197
2	115	391	416	5	134 / 95	39	148	902	449	5	167 / 129	38	
3	156	655	457	5	175 / 137	38	144	443	445	5	163 / 125	38	
													⊼ A.L. GOBLE
4	161	298	462	5	180 / 142	38	146	872	447	5	165 / 127	38	
5	163	545	464	5	183 / 143	40	147	179	448	5	165 / 128	37	
6	189	892	490	5	208 / 170	38	016	312	317	5	35 / 16 2	38	
7	285	724	586	5	301 / 270	31	069	628	370	5	85 / 56	31	
8	163	473	464	5	182 / 144	38	137	426	438	5	156 / 118	38	
9	158	349	459	5	177 / 139	38	137	605	438	5	156 / 118	38	
10	165	915	466	5	184 / 146	38	142	168	443	5	161 / 123	38	
11	155	708	456	5	170 / 131	29	138	071	439	5	152 / 123	29	
TOTAL	1797	268					1358	027				405 / 405	
	1358	027										810	
DIFF/ELEV	439	241											
BM TOR 5-4													BM TOR 5-4
													190th ST & INGLEWOOD AVE
													SEE FB 2447-229

F.B. 2447 Pg. 252 | JOB NO. 2501.02

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY ACG NOTES ACG

INDEXED H.E. OH DATE

WEATHER SUNNY

TIME 10:55-11

NOTES CHKD

BM TOC 54													BM TOC 54 190th St & Inglewood Ave See FB 2447-229
1	136	112	437	5	150 / 121	29	153	271	454	5	167 / 136	29	
2	144	971	447	5	163 / 125	38	[illegible]	[illegible]	469	[illegible]	[illegible]	38	
3	136	372	431	5	155 / [illegible]	38	[illegible]	[illegible]	458	5	[illegible]	38	
4	139	[illegible]	4[illegible]	5	[illegible]	38	[illegible]	[illegible]	427	5	[illegible]	37	
5	073	141	374	[illegible]	89 / 58	31	287	482	588	5	287 / 271	32	
6	017	458	318	[illegible]	36 / 17 2	38	19[illegible]	272	492	5	210 / 172	38	
7	146	343	447	[illegible]	165 / 127	38	162	289	463	[illegible]	[illegible]	38	
8	146	428	447	5	[illegible]	38	162	541	463	[illegible]	[illegible]	37	
9	148	077	449	5	167 / 129	37	158	268	459	5	177 / 139	38	
10	147	510	446	5	166 / 128	38	114	[illegible]	415	5	133 / 95	38	
11	125	[illegible]	426	5	145 / 105	40	07[illegible]	[illegible]	379	5	98 / 58	40	
TOTAL	1361	1854 3					[illegible] / 436 / 439	[illegible] / 8.0 / 105					
Dropped BM TOC 53													BM TOC 53 190th St & Hawthorne Ave See FB 2447-197