Notes Ck'd by	Survey of	F. B. 1381 PG.
Map No.	JN Tape Std °F	
Office Work	Surveyed by	
Checked	Notes Date	
Date	Indexed	

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F.B. 1381 - PAGES

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DIFF IN ELEV., 1952 — 5 THRU 54

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FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather FOGGY-CLEARING Inst. No. 50010
Notes by G.E. DREIER Time 8:30 TO 9:55 Rod No. 288

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-119 To B.M. 12-2
Date 7-1-52
Indexed X C. Johnson

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
	8.870		210		#7	7647		206		
	8.660		210			7441		204		B.M. 11-119, VALLEY BLVD & 3RD AVE.
	8.450		420			7237		210		SEE F.B. 1376-106
1	25.980	8.660		420	68	22.325	7.442		410	FOR DESCRIPTION
	5.185		213			4.850		228		
	4.982		210			4.622		224		T. E. LANDA
	4.772		423			4.398		452		
2	14.949	4.983		543		13.870	4.623		862	
	5.138		199			4.980		215		
	4.939		197			4.765		212		
	4.742		396			4.553		427		
3	14.819	4.940		1.239		14.298	4.766		1.289	
	4.550		202			5.358		226		
	4.348		202			5.132		222		
	4.146		404			4.910		448		
4	13.044	4.348		1.643		15.400	5.133		1.737	
	4.706		167			5.583		129		
	4.539		167			5.454		128		
	4.372		334			5.326		257		
5	13.617	4.539		1.977		16.363	5.454		1.994	
		27.470					27.[illegible]8			

F.B. 1381 PG. 6

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by G.E. DREIER Time 8:30 TO 9:55 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-11 To B.M. 12-2
Date 2-1-52
Indexed A. C. Johnson

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
	4332	27.470	195	1977		5.649	27.418	188	1.994	
	4137		196			5461		189		
	3941		391			5272		377		
6	24.10	4.137		2.368		6.382	5.461		2.371	
		31.607					32.879			B.M. 12-1 (PUENTE A-7) VINELAND AVE & VALLEY BLVD. SEE F.B. 1379-6 FOR DESCRIPTION
	5303		212			5305		213		
	5091		211			5092		213		
	4880		423			4879		426		
7	15.274	5.091		2.791		15.276	5.092		2.797	
	4848		215			5539		216		
	4633		213			5323		213		
	4420		428			5110		429		
8	13.901	4.634		3.219		15.972	5.324		3.226	
	4850		213			4837		214		
	4637		213			4623		211		
	4424		426			4412		425		
9	13.911	4.637		3.645		13.872	4.624		3.651	
		45.969					47.919			

F.B. 1381 PG. 7

FORM 379 5M 7-40

PLEASE RETURN TO
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700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by G. E. DREIER Time 8.30 TO 9.15 Rod No. 798

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-119 To B.M. 12-2
Date 7-1-52
Indexed A. C. Johnson

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
	5.598	45.969	211	3645		4.808	4.919	232	3651	
	5.387		209			4.576		233		
	5.178		420			4.343		465		
10	16.163	5.388		4065		13.727	4.576		4116	
	5.478		206			5.000		200		
	5.272		205			4.800		199		
	5.067		411			4.601		399		
11	15.817	5.272		4476		14.401	4.800		4515	
	5.421		219			4.698		208		
	5.202		217			4.490		206		
	4.985		436			4.284		414		
12	15.608	5.203		4912		13.472	4.491		4929	
	5.235		216			5.282		211		
	5.019		214			5.071		209		
	4.805		430			4.862		420		
13	15.059	5.020		5342		15.215	5.072		5349	
	5.247		215			5.615		215		
	5.032		213			5.400		216		
	4.819		428			5.184		431		
14	15.098	5.033		5770		16.199	5.400		5780	
		71.885					72.258			

F.B. 1391 PG. 8

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by G. E. DREIER Time 8:30 TO 9:55 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-119 To B.M. 12-2
Date 7-1-52
Indexed E. C. Johnson

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
	5018	71.885	228	5770		5321	72258	224	5780	
	4790		230			5097		225		
	4560		458			4872		449		
15	4368	4789		6228		15290	5097		6228	
	6716		228			3777		224		B.M. 12-2 (4.5.3-J)
	6488		228			3553		223		BASSETT STATION
	6260		456			3330		447		SEE F.B. 1379-7
16	19464	6488		6684	75°	10660	3553		6676	FOR DESCRIPTION
										SUMMATION OF RUN B.M. 11-119 TO B.M. 12-2
										TOTAL BACKSIGHTS + 83.162
										TOTAL FORESIGHTS − 80.908
										DIFF IN ELEVATION + 2.254
		83.162					80.908			

F.B. 1381 PG. 4

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1381 PG. 10

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party E.E. Dreier Weather Hazy Inst. No. 500010
Notes by E. Landa Time 10:30 - 2145 Rod No. 7 & 8

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 12-2 To B.M. 12-4
Date 7-1-52
Indexed A. C. Johnson

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
	3846		223		#7	7792		225		B.M. 12-2 (U.S. 314)
	3623		221			7567		225		Bassett Station
	3402		444			7342		450		See F.B. 1379-7
1	10871	3624		444	78°	22701	7567		450	for description
	5787		228			5456		215		B.M. 12-3 (E) Maple L-C
	5559		224			5241		213		Valley & San Angelo
	5335		452			5028		428		See F.B. 1379-7
2	16681	5560		896		15725	5242		878	for description
	5591		212			4783		215		
	5379		212			4568		211		T E.E. Dreier
	5167		424			4357		426		
3	16137	5379		1320		13708	4569		1304	
	5921		208			6021		216		
	5713		205			5805		216		
	5508		413			5589		432		
4	17142	5714		1733		17415	5805		1736	
	6442		211			5301		213		
	6231		212			5088		215		
	6019		423			4873		428		
5	18692	6231		2156		15262	5087		2164	
		26508					28270			

F.B. 1381 PG. 11

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. Dreier Weather Hazy Inst. No. 50010
Notes by E. Landa Time 10:30 To 2:45 Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 12-2 To B.M. 12-4
Date 7-1-52
Indexed J. C. Johnson

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
	5483	26.508	211	2156		4936	28.270	214	2164	
	5272		210			4722		213		
	5062		421			4509		427		
6	58177	5272		2577		14167	4722		2591	
	6732		214			3419		213		
	6518		213			3206		213		
	6305		427			2993		426		
7	19555	6518		3064		9618	3206		3017	
	5995		126			4782		118		B.M. 12-4A
	5869		127			4664		117		
	5742		253			4547		235		
8	17606	5869		3257		13993	4664		3252	
		44.167					40.862			B.M. 12-4A (L.A.C.F. CD-78-34A Valley Bld. & San Gabriel Bl. See F.B. 1379-8 for description
	4274		53			9797		56		
	4221		54			9741		57		
	4167		107			9684		113		
9	26622	4221		3364		29222	9741		3365	
		48.388					50.603			

F.B. 1381 PG. 12

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party E. E. Dreier Weather Hazy Inst. No. 50010
Notes by E. Landa Time 10:30 - 245 Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 12-2 To B.M. 12-4
Date 7-1-52
Indexed E. C. Johnson

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
	1252	48388	25	3364		11.263	50,603	22	3365	
	1227		23			11.241		24		
	1204		48			11217		46		
10	3683	1228		3412		33.721	11.240		3411	
	3603		88			10.279		97		
	3515		87			10.182		96		
	3428		175			10.086		193		
11	10546	3515		3587		30.547	10.182		3604	
	2940		212			5107		215		
	2728		212			4892		214		
	2516		424			4678		429		
12	8184	2728		4011		14677	4892		4033	
	4591		212			4793		216		
	4379		211			4577		216		
	4168		423			4361		432		
13	13138	4379		4434		13731	4577		4465	
	4551		233			2297		197		
	4318		235			2100		197		
	4083		468			1903		394		
14	12952	4317		4902		6300	2100		4859	
		64.555					83.594			

F.B. 1381 PG. 13

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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. 1391 PG. 12

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party F.E. Drake Weather Clear Inst. No. 50010
Notes by E. Landa Time 10:30 - 2:45 Rod No. 7F8

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 12-2 To B.M. 12-4
Date 7-1-52
Indexed E. C. Johnson

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
	10.288	64.553	210	4902		4932	83.594	213	4859	
	10.078		209			4719		215		
	9869		419			4504		428		
15	30.235	10.078		5321		41.55	47.18		5287	
	10.186		214			3080		211		
	9972		213			2869		210		
	9759		427			2659		421		
16	29.917	9.972		5748		8608	28.69		5708	
	5898		118			6457		137		Summation of run
	5780		118			6320		138		B.M. 12-2 to B.M. 12-4
	5662		236			6182		275		Total Backsights = +94.908
17	17.340	5.780		5984		18.959	6.320		5983	Total Foresights = - 102.247
	4736		213			4960		214		diff in Elev. = - 7.339
	4523		212			4746		214		
	4311		425			4532		428		
18	13.570	4.523		6409		14.238	4.746		6414	B.M. 12-4 (EL MONTE K-50)
										VALLEY BLVD & BUMFORD AVE
										SEE F.B. 1379-8
										FOR DESCRIPTION
		94.908					102.247			

F.B. 1381 PG. 15

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1381 PG. 16										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party F.E. Dreier Weather Overcast Inst. No. 50010
Notes by E. Landa Time 8:20 - 9:15 Rod No. T&B

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 12-4 To B.M. 12-4A
Date 7-2-52
Indexed E. C. Johnson

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
	5192		212		#7	4972		213		
	4980		211			4759		212		B.M. 12-4 (Note K-5B)
	4769		423			4547		425		Valley Blvd. & Rosemead Ave
1	4941	4980		423	62°	4278	4759		425	See F.B. 1379-B
	6210		128			5668		127		
	6082		129			5541		127		
	5953		257			5414		254		
2	18245	6082		680		16623	5541		679	
	3300		210			10407		216		
	3090		210			10.191		214		
	2880		420			9977		430		
3	9270	3090		1100		30575	10.192		1109	
	6035		216			11.378		204		
	5819		216			11.172		205		
	5603		432			10.967		409 411		
4	17457	5819		1532		33517	11.172		1548	
	1888		200			4138		229		
	1688		200			3909		229		
	1488		400			3680		458		
5	5064	1688		1932		11727	3909		1976	
		21.659					35.573			

F.B. 1381 PG. 17

FORM 379 5M 7-40

PLEASE RETURN TO
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700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G.E. Dreier Weather Overcast Inst. No. 50010
Notes by E. Lounds Time 8:20 - 9:15 Rod No. 7E8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 12-4 To B.M. 12-4A
Date 7-2-52
Indexed R. C. Johnson

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
	4839	21.659	226	1932		4622	25.513	203	1972 8	
	4613		224			4419		202		
	4389		450			4217		405		
6	13841	4614		2382		13258	4419		2384 3	
	5134		215			2968		213		
	4919		215			2755		212		
	4704		430			2543		425		
7	14757	4919		2812		8266	2755		2806 8	
	10.212		95			3540		89		Summation of Run
	10.117		95			3451		89		B.M. 12-4 to 12-4A
	10.022		190			3362		178		
8	30351	10.117		3002		10353	3.451		2984 6	
	10829		22			0.820		24		Total Backsights = +62.264
	10807		21			0.796		24		Total Foresight = -51.621
	10786		43			0.772		48		diff in Elev. = +10.643
9	32422	10.807		3045		2388	0.796		3032 4	
	10202		54			4683		56		B.M. 12-4A (L.A.C.F.C.D.
	10148		55			4627		56		B.M. 78.34A)
	10093		109			4571		112		See F.B. 1379-8
10	30443	10.148		3154	68°	13881	4627		3144 6	for description
		62.264					51.621			

F.B. 1381 PG. 18

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by G. E. DREIER Time 10:05 TO 11:15 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 12-4 To B.M. 12-5
Date 7-2-52
Indexed E. C. Johnson

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
	6.445		213		#7	3.874		215		B.M. 12-4 (ELMONTE K-5B)
	6.232		210			3.659		211		VALLEY BLVD & RUBEDO AVE.
	6.022		423			3.448		426		SEE F.B. 1379-8
1	18.699	6.233		423	70°	10.981	3.660		426	FOR DESCRIPTION
	5.972		214			4.619		213		
	5.758		212			4.406		214		
	5.546		426			4.192		427		E. LANDA
2	17.276	5.759		849		13.217	4.406		853	
	6.042		212			5.730		215		
	5.830		214			5.515		213		
	5.616		426			5.302		428		
3	17.488	5.829		1275		16.547	5.516		1281	
	4.610		212			5.508		213		
	4.398		213			5.295		212		
	4.185		425			5.083		425		
4	13.193	4.398		1.705		15.886	5.295		1.706	
	4.840		210			5.688		216		
	4.630		210			5.472		214		
	4.420		420			5.258		430		
5	13.890	4.630		2.127		16.418	5.473		2.136	
		26.849					24.350			

F.B. 1384 PG. 17

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by G.E. DREIER Time 10:05 TO 11:15 Rod No. 728

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 12-4 To B.M. 12-5
Date 7-2-52
Indexed L. C. Johnson

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
	5.025	26.849	213	212.0		5.707	27.350	213	2.136	
	4.812		212			5.494		212		
	4.600		425			5.282		425		
6	10.437	4.812		2.546		16.483	5.494		2.561	
	4.435		213			4.839		210		SUMMATION OF RUN
	4.222		210			4.629		211		B.M. 12-4 TO B.M. 12-5
	4.012		423			4.418		421		
7	12.669	4.223		2.969		13.886	4.629		2.982	
	4.848		216			5.298		214		TOTAL BACKSIGHTS + 50.682
	4.632		212			5.084		213		TOTAL FORESIGHTS - 50.839
	4.420		428			4.871		427		DIFF IN ELEVATION - 0.157
8	13.900	4.633		3.397		15.253	5.084		3.409	
	5.312		212			5.605		208		
	5.100		210			5.397		209		
	4.890		422			5.188		417		
9	15.302	5.101		3.819		16.190	5.397		3.826	
	5.328		265			6.173		288		B.M. 12-5 (ELMONTE J-5)
	5.063		261			5.885		287		VALLEY BLVD & GARVEY AVE
	4.802		526			5.598		575		SEE F.B. 1379-9
10	15.193	5.064		4.345	79°	17.656	5.885		4.401	FOR DESCRIPTION
		50.682					50.839			

F.B. 1321 PG. 20

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party F.E. Dreier Weather Clear Inst. No. 50010
Notes by E. Landa Time 11:20 - -3:00 Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 12-5 To B.M. 12-6
Date 7-2-52
Indexed R. C. Johnson

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
	6412		215		#7	7106		216		
	6197		216			6890		216		B.M. 12-5 (El Monte J-5)
	5981		431			6674		432		Valley & Garvey
1	18590	6197		431	80°	20670	6890		432	See F.B. 1379-9 for description
	5198		210			5851		214		⊼ F.E. Dreier
	4988		210			5637		215		
	4778		420			5422		429		
2	14964	4988		851		16910	5637		861	
	5502		210			6324		213		
	5292		209			6111		212		
	5083		419			5899		425		
3	15877	5292		1270		18334	6111		1286	
	4733		211			6025		215		
	4522		211			5810		213		
	4311		422			5597		428		
4	13566	4522		1692		17432	5811		1714	
	4729		210			6002		214		
	4519		210			5788		217		
	4309		420			5571		431		
5	13557	4519		2112		17361	5787		2145	
		25,518					30,236			

F.B. 1381 pg. 21

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party E.E. Dreier Weather Clear Inst. No. 58010
Notes by E. Landa Time 11:20 - 3:00 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 12-5 To B.M. 12-6
Date 7-2-52
Indexed E. C. Johnson

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
	4290	25,518	221	2112		5200	30,236	207	2145	
	4069		221			4993		204		
	3848		442			4789		411		
6	12207	4069		2554	86°	14982	4994		2556	
	5012		210			7021		213		
	4802		211			6808		214		
	4591		421			6594		427		
7	14405	4802		2975		20423	6808		2983	
	4993		213			6090		211		
	4780		212			5879		211		
	4568		425			5668		422		
8	14341	4780		3406		17637	5879		2405	
	5657		213			5898		215		
	5444		211			5683		212		
	5233		424			5471		427		
9	16334	5445		3824		17052	5684		3832	
	4071		213			5440		213		
	3858		213			5227		214		
	3645		426			5013		427		
10	11574	3858		4250		15680	5227		4259	
		48472					58828			

F.B. 1321 pg. 22

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. Dreier Weather Clear Inst. No. 50010
Notes by E. Landa Time 11:20 - 3:00 Rod No. 7&8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 12-5 To B.M. 12-6
Date 7-2-52
Indexed L. C. Johnson

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
	4752	48472	210	4250		6610	58828	212	4259	
	4542		213			6398		213		
	4329		423			6185		425		
11	13623	4541		4673		19193	6398		4684	
	4436		263			6367		243		
	4173		262			6124		242		
	3911		525			5882		485		
12	12520	4173		5198		18373	6124		5169	
		57.186					71350			M.E. 35 Garvey Ave & Peck Rd. S.W. Cor B.S. Pk. 20 cb. 6 ft. S. of S. end C.R.
	4708		151			6296		154		
	4557		150			6142		154		
	4407		301			5988		308		
13	13672	4557		5499		18426	6142		5477	
	5400		215			6439		211		
	5185		215			6228		211		
	4970		430			6017		422		
14	15555	5185		5929		18684	6228		5899	
		66.928					83.720			

RS 1381 PG 23

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party F. E. Dreier Weather Clear Inst. No. 56010
Notes by E. Landa Time 11:20 – 3:00 Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 12-5 To B.M. 12-6
Date 7-2-52 A. C. Johnson
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
	5142	66.928	214	5929		5911	83.720	211	5899	
	4928		214			5700		210		
	4714		428			5490		421		
15	14784	4928		6357		17101	5700		6320	
	4333		203			6176		221		Summation of Run
	4130		205			5955		220		B.M. 12-5 to B.M. 12-6
	3925		408			5735		441		
16	12388	4129		6765		17866	5955		6761	
	6021		179			5906		184		Total Backsights = + 86.801
	5842		178			5722		182		Total foresights = −108.090
	5664		357			5540		366		diff. in Elev. = − 21.289
17	17527	5842		7122		17168	5723		7127	
	5158		184			7173		181		B.M. 12-6 Garvey & Tyler
	4974		183			6992		181		See F.B. 1379-10
	4791		367			6811		362		for description
18	14923	4974		7489	88°	20976	6992		7489	
		86.801					108.090			

F.B. 1381 PG. 24

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:10-10 Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 12-6 To BM 12-5
Date 7-8-52
Indexed L. C. Johnson

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
	7211		182		#7	5193		183		BM 12-6
	7029		181			5010		183		GARVEY & TYLER
	6848		363			4827		366		SEE F.B. 1379-10
1	21088	7.029		363	67°	15030	5.010		366	FOR DESCRIPTION
	5898		186			6008		175		
	5712		185			5833		174		TO G.E. DREIER
	5527		371			5659		349		
2	17137	5.712		734		17500	5.833		715	
	6190		210			4371		213		
	5980		209			4158		216		
	5771		419			3942		429		
3	17941	5.980		1.153		12471	4.157		1.144	
	5936		211			5169		215		
	5725		211			4954		212		
	5514		422			4742		427		
4	17175	5.725		1575		14865	4.955		1.571	
	6331		213			5287		214		
	6118		212			5073		212		
	5906		425			4861		426		
5	18355	6.118		2.000		15221	5.074		1.997	
		30.564					25.029			

F.B. 1381 PG 25

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:10-10:35 AM Rod No. 7 & 8

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From BM 12-6 To BM 12-5
Date 7-8-52
Indexed R. C. Johnson

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
	6374	30.564	156	2.000		4781	25.029	150	1.997	
	6218		157			4631		146		
	6061		313			4485		296		
6	18653	6.218		2.313		13897	4.632		2.293	
		36.782					29.661			ME 35
										GARVEY AVE & PECK RD, S.W COR
										BT SPK IN CB 6' S OF S END
										CR
	6348		247			4404		253		
	6101		246			4151		251		
	5855		493			3900		504		
7	18304	6.101		2.806		12455	4.152		2.797	
	6616		213			4759		212		
	6403		211			4547		211		
	6192		424			4336		423		
8	19211	6.404		3.230		13642	4.547		3.220	
	5987		215			4613		212		
	5772		212			4401		212		
	5560		427			4189		424		
9	17319	5.773		3.657		13203	4.401		3.644	
		55.060					42.761			

F.B. 381 PG. 26

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. Dreier Weather CLEAR Inst. No. 50010
Notes by S. Shinoda Time 9:10 - 10:35 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 12-6 To B.M. 12-5
Date 7-8-52
Indexed E. C. Johnson

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
	5873	55.060	210	3.657		5638	42.766	214	3.644	
	5663		212			5424		212		
	5451		422			5212		426		
10	16987	5.662		4079		16274	5.425		4070	
	6743		211			5644		213		
	6532		211			5431		213		
	6321		422			5218		426		
11	19596	6.532		4501		16293	5.431		4496	
	7049		212			5041		211		
	6837		214			4830		211		
	6623		426			4619		422		
12	20509	6.836		4927		14490	4.830		4918	
	5974		212			5051		214		
	5762		212			4837		214		
	5550		424			4623		428		
13	17286	5.762		5351		14511	4.837		5346	
	5874		212			4604		212		
	5662		212			4392		209		
	5450		424			4183		421		
14	16986	5.662		5775		13179	4.393		5767	
		85.514					67.677			

F.B. 1351 PG. 27

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by J. SHINODA Time 9:10-10:35 AM Rod No. 7&8

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From BM 12-6 To BM 12-5
Date 7-8-52 L. C. Johnson
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5996	5.514	214	5.775		4705	4.672	214	5.762	
	5782		214			4491		210		
	5568		428			4281		424		
15	17346	5782		6203		13477	4492		6.191	
	6375		210			5558		211		
	6165		212			5347		214		SUMMATION OF RUN
	5953		422			5133		425		B.M. 12-6 TO B.M. 12-5
16	18493	6.164		6.625		16038	5.346		6.616	
	5863		211			5148		216		TOTAL BACKSIGHTS + 109.966
	5652		211			4932		213		" FORESIGHTS − 88.680
	5441		422			4719		429		DIFF IN ELEVATION + 21.286
17	16956	5.652		7.047		14799	4.933		7.045	
	7068		215			6448		217		BM 12-5 (EL MONTE V-5)
	6853		213			6231		215		GARVEY AVE & VALLEY BLVD.
	6640		428			6016		432		SEE F.B. 1379-9
18	20561	6.854		7.475	73°	18695	6.232		7.477	FOR DESCRIPTION

F.B. 1381 PG. 28

109.966 88.680

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by J. SHINODA Time 2:00-3:40 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 12-6 To BM 12-7
Date 7-8-52
Indexed J. C. Johnson

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
	5892		218		#7	6118		228		BM 12-6
	5674		217			5890		225		GARVEY AVE & TYLER AVE
	5457		435			5665		453		SEE F.B. 1377-10
1	17023	5674		435	84°	17673	5891		453	FOR DESCRIPTION
	5188		199			5863		209		
	4989		196			5654		211		T E LANDA
	4793		395			5443		420		
2	14970	4990		830		16960	5653		873	
	5207		221			5898		206		
	4986		221			5692		204		
	4765		442			5488		410		
3	14958	4986		1272		17078	5693		1283	
	5062		213			4855		207		
	4849		214			4648		210		
	4635		427			4431		417		
4	14546	4849		1699		13941	4647		1700	
	6475		226			5505		203		
	6249		227			5302		199		
	6022		453			5103		402		
5	18746	6249		2152		15910	5303		2102	
		26.748					27.187			

F.B. 1381 Pg 47

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREICK Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 3:00-3:40 PM Rod No. 7 & 8

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From BM 12-6 To BM 12-7
Date 7-8-52
Indexed A. C. Johnson

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
	5128	26.748	202	2.152		6158	27.187	223	2.102	
	4926		201			5935		222		
	4725		409			5713		448		
6	14779	4926		2.555		17806	5935		2.547	
	4444		144			5025		161		
	4300		145			4864		160		STOPPED 3:40 PM 7-8-52
	4155		289			4704		321		
7	12899	4300		2.844	86°	14593	4.864		2.868	
		35.974					37.986			ME 48
										GARVEY AVE & HOYT AVE S.E.
										COR BT SPK IN CB 6 FT E
										OF E END CR
	4758		138			5258		140		
	4620		138			5118		138		BEGAN 2:20 PM 7-9-52
	4482		276			4980		278		
8	13860	4620		3.120	87°	15356	5.119		3.146	
	4368		139			5011		130		
	4229		139			4881		129		
	4090		278			4752		258		
9	12687	4.229		3.398		14644	4881		3.405	
		44.823					47.986			

F.B. 1381 PG. 30

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:20 - 2:40 P.M. Rod No. 7 & 8

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 12-6 To B.M. 12-7
Date 7-9-52
Indexed E. C. Johnson

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
	4445	44.823	214	3.398		5086	47.986	213	3.405	
	4231		211			4873		213		SUMMATION OF RUN
	4020		425			4660		426		BM 12-6 TO BM 12-7
10	12696	4.232		3.823		14619	4.873		3.831	
	4572		214			5454		214		TOTAL BACKSIGHTS + 59.540
	4358		210			5240		214		FORESIGHTS - 63.497
	4148		424			5026		428		DIFF. IN ELEVATION - 3.957
11	13078	4.359		4.247		15720	5.240		4.259	
	6340		215			5607		209		BM 12-7
	6125		213			5398		208		GARVEY AVE & CENTRAL AVE
	5912		428			5190		417		SEE F.B. 1377-11
12	18377	6.126		4.675	87°	16195	5.398		4.676	FOR DESCRIPTION
		59.540					63.497			

F.B. 1381 Pg. 31

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 181 PG. 72										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2.50-3.40 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 12-7 To BM 12-8
Date 7-9-52
Indexed R. C. Johnson

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
	7758		212		#5	5955		214		BM 12-7
	7546		211			5741		211		GARVEY AVE & CENTRAL AVE
	7335		423			5530		425		SEE F.B. 1379-11
1	12639	7546		423	87°	17226	5742		425	FOR DESCRIPTION
	4640		210			6155		213		
	4430		211			5942		212		T. E. LANDA
	4219		421			5730		425		
2	13289	4430		844		17827	5942		850	
	4763		213			6262		210		
	4550		212			6052		210		
	4338		425			5842		420		
3	13651	4550		1269		18156	6052		1270	
	4052		210			5536		213		
	3842		211			5323		212		
	3631		421			5111		425		
4	11525	3842		1690		15970	5323		1695	
	4807		212			6420		213		
	4595		212			6207		214		
	4388		424			5993		427		
5	13785	4595		2114		18620	6207		2122	
		24963					29.226			

F.B. 1381 PG. 33

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:50-3:40 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 12-7 To BM 12-8
Date 7-9-52
Indexed C. Johnson

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
	4862	24.963	061	2.114		5366	29.266	061	2.122	
	4801		061			5305		061		
	4740		122			5244		122		
6	14403	4801		2.236		15915	5.305		2.244	
		29.764					34.571			ME 10C GARVEY AVE & MERCED AVE SW COR. BT SPK IN CB 3 FT W OF W END CR
	4391		159			5278		142		
	4232		158			5136		141		
	4074		317			4995		283		
7	12697	4.233		2.553		15409	5.136		2.527	
	4281		205			6750		220		
	4076		206			6530		220		
	3870		411			6310		440		
8	12227	4.076		2.964		19590	6.530		2.967	
	5041		214			6771		213		
	4827		215			6558		212		
	4612		429			6346		425		
9	14480	4.827		3.393		19676	6.558		3.392	
		42.899					52.795			

F.B. 1391 PG. 34

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:50 - 3:40 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 12-7 To BM 12-8
Date 7-9-52
Indexed L. O. Johnson

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
	5098	42.899	187	3.393		5810	52.795	186	3.392	
	4911		184			5624		185		
	4727		371			5439		371		
10	14736	4912		3764		16873	5624		3763	
	5578		183			7570		182		BM 12-8 (EL MONTE F-5)
	5395		183			7388		179		GARVEY AVE & POTRERO AVE
	5212		366			7209		364		SEE F.B. 1377-12
11	16185	5395		4130	87°	22167	7389		4124	FOR DESCRIPTION
										SUMMATION OF RUN
										BM 12-7 TO BM 12-8
										TOTAL BACKSIGHTS 53.206
										" FORESIGHTS 65.808
										DIFF. IN ELEVATION -12.602
		53206					65.808			

F.B. 1381 PG. 35

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1381 PG. 3C										

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 500.10
Notes by S. SHINODA Time 8:20-9:30 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 12-8 To BM 12-9
Date 7-10-52
Indexed [illegible] Johnson

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
	4898		208		#5	5538		213		BM 12-8 (El Monte F-5)
	4690		210			5325		213		Garvey Ave & Potrero Ave
	4480		418			5112		426		See F.B. 1379-2
1	14068	4.689		.418	73°	15975	5.325		.426	For Description
	4237		209			5428		216		
	4028		210			5212		216		TE Landa
	3818		419			4996		432		
2	12083	4.028		.837		15636	5.212		.858	
	4262		212			5114		214		
	4050		210			4900		212		
	3840		422			4688		426		
3	12152	4.051		1.259		14702	4.901		1.284	
	4995		220			6089		209		
	4775		217			5880		205		
	4558		437			5675		414		
4	14328	4.776		1.696		17644	5.881		1.698	
	4655		206			5658		217		
	4449		209			5441		213		
	4240		415			5228		430		
5	13344	4.448		2.111		16327	5.442		2.128	
		21.992					26.761			

F.B. 1381 PG. 37

FORM 379-SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:20-9:30 AM Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From BM 12-8 To BM 12-9
Date 7-10-52
Indexed A. C. Johnson

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
	5099	4.992	216	2.111		5871	5.761	211	2.128	
	4883		214			5660		211		
	4669		430			5449		422		
6	14651	4.884		2.541		16980	5.660		2.550	
	4919		211			5980		212		
	4708		211			5768		216		
	4497		422			5552		428		
7	14124	4.708		2.963		17300	5.767		2.978	
	4452		212			5355		213		
	4240		210			5142		212		
	4030		422			4930		425		
8	12722	4.241		3.385		15427	5.142		3.403	
	5100		212			6182		212		
	4888		215			5970		210		
	4673		427			5760		422		
9	14661	4.887		3.812		17912	5.970		3.825	
	4753		185			5700		180		
	4568		188			5520		180		
	4380		373			5340		360		
10	13701	4.567		4.185		16560	5.520		4.185	
		45.279					54.821			

F.B. 1391 PG. 38

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:20-9:30 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4023
From BM 12-8 To BM 12-9
Date 7-10-52
Indexed L. C. Johnson

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
	4418	45279	216	4185		5273	54821	213	4185	
	4202		212			5060		212		SUMMATION OF RUN
	3990		428			4848		425		BM 12-8 TO BM 12-9
11	12610	4203		4613		15181	5060		4610	
	4385		137			4342		140		TOTAL BACKSIGHTS + 61.862
	4248		138			4202		137		- FORESIGHTS - 65.000
	4110		275			4065		277		DIFF. IN ELEVATION - 3.138
12	12743	4248		4888		12609	4203		4887	
	8312		180			1091		175		BM 12-9 (L.A. Co. F.C.D. BM 57-13)
	8132		180			0916		176		GARVEY AVE & RIO HONDO - E. END
	7952		360			0740		351		SEE F.B. 1377-13
13	24390	8132		5248	80°	2747	0916		5238	FOR DESCRIPTION
		61.862					65.000			

F.B. 1381 PG. 39

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1381 PG. 20

FORM 279 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:35-10:30AM Rod No. 5 & 6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 12-9 To BM 12-8
Date 7-10-52
Indexed L. O. Johnson

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
	1232		174		#5	8446		179		B.M. 12-9 (LA Co F.C.D. BM 57-15)
	1058		175			8267		179		GARVEY AVE & RIO HONDO - E. END
	0883		349			8088		358		SEE F.B. 1378-13
1	3173	1.058		349	80°	24801	8.267		358	FOR DESCRIPTION
	4390		139			4433		135		
	4251		139			4298		138		π G.E. DREIER
	4112		278			4160		273		
2	12753	4251		627		12891	4297		631	
	5298		215			4438		213		
	5083		211			4225		212		
	4872		426			4013		425		
3	15253	5.084		1.053		12676	4.225		1.056	
	5772		183			4821		182		
	5589		182			4639		182		
	5407		365			4457		364		
4	16768	5.589		1.418		13917	4.639		1.420	
	6231		212			5144		212		
	6019		212			4932		211		
	5807		424			4721		423		
5	18057	6.019		1.842		14797	4.932		1.843	
		22.001					26.360			

F.B. 1317 PG. 41

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by J. SHINODA Time 9:35-10:30 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4913
From BM 12-9 To BM 12-8
Date 7-10-52
Indexed A. C. Johnson

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
	5424	52.001	213	1842		4526	26360	211	1843	
	5211		212			4315		213		
	4999		425			4102		424		
6	15634	5.211		2267		12943	4.314		2267	
	5988		214			4928		212		
	5774		212			4716		212		
	5562		426			4504		424		
7	17324	5.775		2693		14148	4.716		2691	
	5930		217			5155		213		
	5713		213			4942		212		
	5500		430			4730		425		
8	17143	5.714		3123		14827	4.942		3116	
	5699		210			4704		211		
	5489		210			4493		210		
	5279		420			4283		421		
9	16467	5.489		3543		13480	4.493		3537	
	6049		214			4941		211		
	5835		212			4730		211		
	5623		426			4519		422		
10	17507	5.836		3969		14190	4.730		3959	
		50.026					49.555			

F.B. 1381 PG. 42

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:35-10:30 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 12-9 To BM 12-8
Date 7-10-5
Indexed L. O. Johnson

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
	6043	50.026	211	3.969		5191	49.555	212	3.959	
	5832		210			4979		211		SUMMATION OF RUN
	5622		421			4768		423		BM 12-9 TO BM 12-8
11	17497	5832		4390		14938	4979		4382	
	6307		215			5124		210		TOTAL BACKSIGHTS + 68.082
	6092		213			4914		210		FORESIGHTS - 64.938
	5879		428			4704		420		DIFF. IN ELEVATION + 3.144
12	18278	6.093		4818		14742	4914		4802	
	6341		210			5702		212		BM 12-8 (EL MONTE E-5)
	6131		210			5490		212		GARVEY AVE & POTRERO AVE
	5921		420			5278		424		SEE F.B. 1373-12
13	18393	6.131		5238	80°	16470	5490		5226	FOR DESCRIPTION
		68.082					64.938			

F.B. 1381 PG. 43

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
Job No. .....
From ..... To .....
Date .....
Indexed A. C. Johnson

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. 1381 PG. 44										

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 10:35 TO 11-25 Rod No. 5 & 6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 12-8 To BM 12-9
Date 7-10-52
Indexed L. C. Johnson

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
	5.678		211		#5	6.318		215		BM 12-8 (EL MONTE F-5)
	5.467		210			6.103		211		GARVEY AVE & POTRERO AVE
	5.257		421			5.892		426		SEE F.B. 1379-12
1	16.402	5.467		.421	80°	18.313	6.104		.426	FOR DESCRIPTION
	5.070		213			6.258		217		
	4.857		210			6.041		213		TO E. LANDA
	4.647		423			5.828		430		
2	14.574	4.858		.844		18.127	6.042		.856	
	5.178		213			6.029		212		
	4.965		212			5.817		212		
	4.753		425			5.605		424		
3	14.896	4.965		1.269		17.451	5.817		1.280	
	4.963		213			6.072		213		
	4.750		212			5.859		210		
	4.538		425			5.649		423		
4	14.251	4.750		1.694		17.580	5.860		1.703	
	4.709		211			5.701		211		
	4.498		210			5.490		211		
	4.288		421			5.279		422		
5	13.495	4.498		2.115		16.470	5.490		2.125	
		24.538					29.313			

F.B. 1311 PG. 45

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 10:35 TO 11:25 Rod No. 56

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 12-8 To B.M. 12-9
Date 7-10-52
Indexed K. C. Johnson

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
	5132	24538	211	21151		5914	29313	216	21251	
	4921		211			5698		213		
	4710		422			5485		429		
6	14763	4921		25537		17097	5699		25554	
	4965		213			6023		213		
	4752		212			5810		212		
	4540		425			5598		429		
7	14257	4752		2962		17431	5810		2979	
	4450		213			5350		212		
	4237		216			5138		210		
	4021		429			4928		422		
8	12708	4236		3391		15416	5139		3401	
	5132		213			6215		213		
	4919		213			6002		210		
	4706		426			5792		423		
9	14757	4919		3817		18009	6003		3824	
	4745		185			5699		184		
	4560		185			5515		184		
	4375		370			5331		368		
10	13680	4560		4187		16545	5515		4192	
		47926					57479			

F.B. 1381 PG. 46

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 10:35 TO 11:25 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 12-8 To B.M. 12-9
Date 7-10-57
Indexed L. C. Johnson

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
	4.430	47.926	212	4.187		5.285	57.479	212	4.192	
	4.218		215			5.073		212		
	4.003		427			4.861		424		
11	12.651	4.217		4.614		15.219	5.073		4.616	
	4.356		138			4.312		137		
	4.218		138			4.175		137		
	4.080		276			4.038		274		
12	12.654	4.218		4.890		12.525	4.175		4.890	
	8.317		182			1.098		177		B.M. 12-9 (L.A.C.F.C.D. B.M. 57-13)
	8.135		178			0.921		173		GARVEY AVE & RIO HONDO RIVER (E SIDE)
	7.957		360			0.748		350		SEE F.B. 1379-13
13	24.409	8.136		5.250	89°	2.767	0.922		5.240	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 12-8 TO B.M. 12-7
										TOTAL BACKSIGHTS = 64.497
										TOTAL FORESIGHTS = 67.649
										DIFF IN ELEVATION = 3.152
		64.497					67.649			

F.B. 1381 PG. 47

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1381 PG. 48										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G E DREIER Weather CLEAR Inst. No. 50010
Notes by S SHINODA Time 11:45-2:30 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 12-9 To BM 12-11
Date 7-10-52
Indexed E C Johnson

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
	0303		031		#5	11133		030		BM 12-9 (LACOFCD BM 57-13)
	0272		030			11103		031		GARVEY AVE & RIO HONDO - E END
	0242		061			11072		061		SEE F.B. 1379-13
1	0817	0.272		061	89°	33308	11.103		061	FOR DESCRIPTION
	1133		068			8246		092		
	1065		068			8154		091		π GE DREIER
	0997		136			8063		183		
2	3195	1.065		197		24463	8.154		244	
	3649		230			2134		205		
	3419		229			1929		207		
	3190		459			1722		412		
3	10258	3.419		656		5785	1.928		656	
	11438		151			2099		150		
	11287		152			1949		148		
	11135		303			1801		298		
4	33860	11.287		959		5849	1.950		954	
	11287		042			2049		042		
	11245		042			2007		042		ONE HOUR FOR LUNCH
	11203		084			1965		084		
5.	33735	11.245		1043	89°	6021	2.007		1038	
		27.288					25.142			

F.B. 1381 PG. 49

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by J. SHINODA Time 11:45-2:30 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 12-9 To B.M. 12-11
Date 7-10-52
Indexed L. O. Johnson

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
		27.288		1.043			25.142		1.038	B.M. 12-10 (L.A.C.F.C.D. BM 57-11)
										GARVEY AVE & RIO HONDO - W END
										SEE F.B. 1379-13
										FOR DESCRIPTION
	2940		158			8529		150		
	2782		155			8379		149		
	2627		313			8230		299		
6	8347	2.783		1.356	92°	25138	8.379		1.337	
	2307		210			4506		214		
	2097		209			4292		213		
	1888		419			4079		427		
7	6292	2.097		1.775		12877	4.292		1.764	
	5322		211			4940		213		
	5111		210			4727		214		
	4901		421			4513		427		
8	15334	5.111		2.196		14180	4.727		2.191	
	6872		212			5712		210		
	6660		212			5502		208		
	6448		424			5294		418		
9	19980	6.660		2.620		16508	5.503		2.609	
		43.939					48.043			

F.B. 381 PG. 50

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by S SHINODA Time 11:45-2:30PM Rod No. 5 E 6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 12-9 To B.M. 12-11
Date 7-10-52
Indexed L. O. Johnson

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
	6087	43.939	213	2.620		4139	48.043	214	2.609	
	5874		211			4025		214		
	5663		424			3811		428		
10	17624	5.875		3.044		12075	4.025		3.037	
	5418		214			4212		212		
	5204		213			4000		211		
	4991		427			3789		423		
11	15613	5.204		3.471		12001	4.000		3.460	
	5382		212			4279		210		
	5170		212			4069		209		
	4958		424			3860		419		
12	15510	5.170		3.895		12208	4.069		3.879	
	6182		209			5978		216		
	5973		208			5762		213		
	5765		417			5549		429		
13	17920	5.973		4.312		17289	5.763		4.308	
	6707		209			5900		211		
	6498		211			5589		213		
	6287		420			5376		424		
14	19492	6.497		4.732		16765	5.588		4.732	
		72.658					71.488			

F.B. 1341 PG. 51

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINADA Time 11:45-2:30 P.M. Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 12-9 To B.M. 12-11
Date 7-10-52
Indexed L. C. Johnson

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
	6462	7.265	212	4732		4686	7.148	213	4732	
	6250		211			4473		213		
	6039		423			4260		426		
15	18751	6.250		5155		13419	4.473		5158	
	6421		211			3797		213		
	6210		212			3584		213		SUMMATION OF RUN
	5998		423			3371		426		B.M. 12-9 TO B.M. 12-11
16	18629	6.210		5578		10752	3.584		5584	
	6322		211			3315		214		
	6111		212			3101		213		TOTAL BACKSIGHTS +97.443
	5899		423			2888		427		" FORESIGHTS −87.667
17	18332	6.111		6001		9304	3.101		6011	DIFF. IN ELEVATION +9.776
	6398		185			5202		181		B.M. 12-11
	6213		183			5021		181		GARVEY AVE & WALNUT GROVE AVE
	6030		368			4840		362		SEE F.B. 1379-14
18	18641	6.214		6369	91°	15063	5.021		6373	FOR DESCRIPTION
		97.443					87.667			

F.B. 1381 PG. 52

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREYER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:35-9:25 AM Rod No. 5&6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 12-11 To BM 1-25
Date 7-11-52
Indexed E. C. Johnson

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
	6939		206		#5	4619		220		BM 12-11
	6733		205			4399		219		GARVEY AVE & WALNUT GROVE AVE
	6528		411			4180		439		SEE F.B. 1379-14
1.	20200	6.733		.411	75°	13198	4.399		.439	FOR DESCRIPTION
	6422		215			4720		209		
	6207		217			4511		209		⊼ E LANDA
	5990		432			4302		418		
2	18619	6.206		.843		13533	4.511		.857	
	5955		217			4800		210		
	5738		218			4590		210		
	5520		435			4380		420		
3	17213	5.738		1.278		13770	4.590		1.277	
	5930		215			4873		213		
	5715		215			4660		210		
	5500		430			4450		423		
4	17145	5.715		1.708		13983	4.661		1.700	
	6165		214			5158		213		
	5951		213			4945		214		
	5738		427			4731		427		
5.	17854	5.951		2.135		14834	4.945		2.127	
		30.343					23.106			

F.B. 1381 PG. 53

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:35-9:25 A.M. Rod No. 5 FC

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 12-11 To BM 1-25
Date 7-11-52
Indexed L. C. Johnson

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
	5952	30343	212	2.135		4910	25.106	215	2.127	
	5740		212			4695		213		
	5528		424			4483		428		
6	17220	5740		2559		14088	4696	7	2555 4	
	5350		212			4358		216		
	5138		211			4142		214		
	4927		423			3928		430		
7	15415	5138		2982		12428	4143		2985 4	
	6722		212			4620		212		
	6510		212			4408		211		SUMMATION OF RUN
	6298		424			4197		423		BM 12-11 TO BM 1-25
8	19530	6510		3406		13228	4408		3408 7	
	6132		152			4580		152		
	5980		149			4428		153		TOTAL BACKSIGHTS +60.249
	5831		301			4275		305		FORESIGHTS -45.412
9	17943	5981		3707		13283	4428		3713 2	DIFF. IN ELEVATION +14.837
	6482		144			4778		148		BM 1-25 (EL MONTE 8-5)
	6338		148			4630		145		GARVEY AVE & SAN GABRIEL BLVD
	6190		292			4485		293		SEE F.B. 1202-29
10	19610	6537		3999	78°	13893	4631		4005 5	FOR DESCRIPTION
		60249					45.412			

F.B. 1391 PG. 64

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party ..... Weather ..... Inst. No. 50010
Notes by ..... Time ..... Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From ..... To .....
Date .....
Indexed E. C. Johnson 7-24-52

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
										L.A. COUNTY PRECISE LEVEL NET JOB No. 4923 LINE No. 15 (KERN) G.E. DREIER E. LANDA S. SHINODA M. SONNENSCHEIN T. OHASHI

F.B. 1381 PG. 61

FORM 879 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by J. SHINODA Time 9:20-9:55AM Rod No. 5 & C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From T.P.M.E.35 To BM 15-1
Date 7-14-52
Indexed A. O. Johnson

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
	5453		215		#5	5685		212		T.P.M.E.35
	5238		216			5473		212		PECK RD. & GARVEY AVE. S.W. COR
	5022		431			5261		424		BT. SPK. IN CO. C. E. S. OF S. END
1	15713	5.238		431	70°	16419	5.473		424	OF C.R.
	5825		215			5309		214		
	5610		213			5095		214		TT E. LANDA
	5397		428			4881		428		
2	16832	5.611		859		15285	5.095		852	
	5628		216			4565		214		
	5412		213			4351		212		
	5199		429			4139		426		
3	16239	5.413		1288		13055	4.352		1278	
	5661		213			4310		212		
	5448		214			4098		216		
	5234		427			3882		428		
4	16343	5.448		1715		12290	4.097		1706	
	6004		212			4884		214		
	5792		211			4670		215		
	5581		423			4455		429		
5	17377	5.792		2138		14009	4.670		2135	
		27.502					23.687			

F.B. 381 PG. 62

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:20 - 9:55AM Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From TPME35 To BM 15-1
Date 7-14-52
Indexed E. C. Johnson

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
	5988	27.502	216	2.138		4371	23.687	213	2.135	
	5772		212			4158		210		
	5560		428			3948		423		
6	17320	5.773		2.566		12477	4.159		2.558	
	5676		215			4562		212		
	5461		213			4350		212		SUMMATION OF RUN
	5248		428			4138		424		TPME35 TO BM 15-1
7	16385	5.462		2.994		13050	4.350		2.982	
	5586		193			4342		192		TOTAL BACKSIGHTS +50.243
	5393		191			4150		190		FORESIGHTS -41.299
	5202		384			3960		382		DIFF IN ELEVATION + 8.944
8	16181	5.394		3.378		12452	4.151		3.364	
	6316		205			5163		211		BM 15-1
	6111		202			4952		211		PECK RD & VALLEY BLVD
	5909		407			4741		422		SEE F.B. 1380-6
9	18336	6.112		3.785	74°	14856	4.952		3.786	FOR DESCRIPTION
		50.243					41.299			

F.B. 1281 PG. 63

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1381 PG. 64										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:00-10:55AM Rod No. 5 & 6

Name **L.A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 15-1 To B.M. 15-2
Date 7-14-52
Indexed **A. C. Johnson**

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
	6013		230		#5	4499		231		B.M. 15-1
	5783		230			4268		231		PECK RD & VALLEY BLVD
	5553		460			4037		462		SEE F.B. 1380-6
1	17349	5.783		460	74°	12804	4.268		462	FOR DESCRIPTION
	5756		210			4251		212		
	5546		209			4039		211		⊼ G.E. DREIER
	5337		419			3828		423		
2	16639	5.546		879		12118	4.039		885	
	8082		214			5744		213		
	7868		215			5531		211		
	7653		429			5320		424		
3	23603	7.868		1308		16595	5.532		1309	
	4831		212			4695		212		
	4619		211			4483		214		
	4408		423			4269		426		
4	13858	4.619		1731		13447	4.482		1735	
	5520		210			5114		206		
	5310		210			4908		206		
	5100		420			4702		412		
5	15930	5.310		2.15		14724	4.908		2.147	
		29.126					23.229			

F.B. 1381 PG. 65

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by J. SHINODA Time 10:00-10:55 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 15-1 To BM 15-2
Date 7-14-52
Indexed R. O. Johnson

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
	6339	29.126	222	2.151		5021	23.229	214	2.147	
	6117		223			4807		215		
	5894		445			4592		429		
6	18350	6.117		2.596		14420	4.807		2.576	
	6001		213			4898		213		
	5788		210			4685		213		
	5578		423			4472		426		
7	17367	5.789		3.019		14055	4.685		3.002	
	6061		208			3857		224		
	5853		205			3633		221		
	5648		413			3412		445		
8	17562	5.854		3.432		10902	3.634		3.447	
	7404		199			6503		220		
	7205		197			6283		218		
	7008		396			6065		438		
9	21617	7.206		3.828		18851	6.284		3.885	
	5899		179			4637		153		
	5720		179			4484		153		
	5542		358			4331		306		
10	17161	5.720		4.187		13452	4.484		4.191	
		59.812					47.123			

F.B. 581 PG. 66

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:00 - 10:55 AM Rod No. 566

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 15-1 To B.M. 15-2
Date 7-14-52
Indexed R. C. Johnson

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
	5894	59.812	163	4.186		5800	47.123	166	4.19	B.M. 15-2
	5731		163			5634		164		PECK RD & FOREST GROVE ST
	5568		326			5470		330		SEE F.B. 1380-7
11	17193	5.731		45.17	78°	16.904	5.635		45.21	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 15-1 TO B.M. 15-2
										TOTAL BACKSIGHTS +65.543
										" FORESIGHTS -52.758
										DIFF. IN ELEVATION +12.785
		65.543					52.758			

F.B. 1281 PG. 67

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1381 PG. 68										

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:00 - 11:45 AM Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From BM 15-2 To BM 15-1
Date 7-14-52
Indexed R. C. Johnson

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
	5794		164		#5	5888		165		B.M 15-2
	5630		165			5723		163		PECK RD & FOREST GROVE ST
	5465		329			5560		328		SEE F.B. 1380-7
1	16889	5630		329	71°	17171	5.724		328	FOR DESCRIPTION
	4731		169			5966		165		
	4562		165			5801		164		⊼ G.E. DREIER
	4397		334			5637		329		
2	13690	4563		663		17404	5.801		657	
	6668		209			7589		212		
	6459		211			7377		211		
	6248		420			7166		423		
3	19375	6458		1083		22132	7.377		1080	
	3775		217			5985		208		
	3558		219			5777		210		
	3339		436			5567		418		
4	10672	3557		1519		17329	5.776		1498	
	4718		209			5827		216		
	4509		209			5611		215		
	4300		418			5396		431		
5	13527	4509		1937		16834	5.611		1929	
		24717					30.289			

F.B. 1381 PG. 69

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by J. SHINODA Time 11:00-11:45 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 15-2 To BM 15-1
Date 7-14-52
Indexed A. C. Johnson

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
	5009	24.717	216	1.937		6373	30.289	222	1.929	
	4833		215			6151		223		
	4618		437			5928		445		
6	14500	4.833		2.368		18452	6.151		2.374	
	5118		208			5521		210		
	4910		205			5311		211		
	4705		413			5100		421		
7	14733	4.911		2.781		15932	5.311		2.795	
	4705		214			4843		211		
	4491		211			4632		211		
	4280		425			4421		422		
8	13476	4.492		3.206		13896	4.632		3.217	
	5862		212			8198		219		
	5650		213			7979		215		
	5437		425			7764		434		
9	16949	5.650		3.631		23941	7.980		3.651	
	4276		216			5774		206		
	4060		216			5568		208		
	3844		432			5360		414		
10	12180	4.060		4.063		16702	5.567		4.065	
		48.663					59.930			

F.B. 1381 PG. 76

579 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:00-11:45AM Rod No. 5E6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 15-2 To BM 15-1
Date 7-14-52
Indexed R. C. Johnson

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
	4402	48.663	230	4.063		5921	59.930	232	4.065	BM 15-1
	4172		230			5689		233		PECK RD. & VALLEY BLVD.
	3942		460			5456		465		SEE F.B. 1380-6
11	12510	4.172		4.523	81°	17066	5.689		4.530	FOR DESCRIPTION
										SUMMATION OF RUN BM 15-2 TO BM 15-1
										TOTAL BACKSIGHTS + 52.835
										" FORESIGHTS - 65.619
										DIFF. IN ELEVATION - 12.784
		52.835					65.619			

F.B. 1381 PG. 71

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 381 PG. 72										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR & WINDY Inst. No. 50010
Notes by G. E. DREIER Time 1:10 TO 2:15 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 15-2 To BM 15-3
Date 7-14-5
Indexed E. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7.137		211		#5	4.794		216		BM. 15-2
	6.926		211			4.578		216		PECK Rd. & FOREST GROVE ST.
	6.715		422			4.362		432		SEE F.B. 1390-2
1	20.778	6.926		.422	84°	13.734	4.578		.432	FOR DESCRIPTION
	6.370		216			4.940		218		
	6.154		214			4.722		214		
	5.940		430			4.508		432		
2	18.464	6.155		.852		14.170	4.723		.864	
	6.545		216			4.420		215		
	6.329		216			4.205		215		
	6.113		432			3.990		430		
3	18.987	6.329		1.284		12.615	4.205		1.294	
	6.130		215			3.996		214		
	5.915		215			3.782		212		
	5.700		430			3.570		426		
4	17.745	5.915		1.714		11.348	3.783		1.720	
	6.534		216			4.070		217		
	6.318		217			3.853		215		
	6.101		433			3.638		432		
5	18.953	6.318		2.147		11.561	3.854		2.152	
		31.643					21.143			

F.B. 1381 PG. 73

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR - WINDY Inst. No. 50010
Notes by G.E. DREIER Time 1:10 TO 2:15 Rod No. 586

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 15-2 To B.M. 15-3
Date 7-14-52
Indexed A. C. Johnson

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
	6.441	31.643	216	2.147		4.603	21.143	215	2.152	
	6.225		215			3.788		216		
	6.010		431			3.572		431		
6	18.676	6.225		2.578		11.363	3.788		2.583	
	6.492		219			3.978		218		SUMMATION OF RUN
	6.278		215			3.760		215		B.M. 15-2 TO B.M. 15-3
	6.063		434			3.545		433		
7	18.838	6.279		3.012		11.283	3.761		3.016	TOTAL BACKSIGHTS +55.647
	6.159		195			5.039		196		TOTAL FORESIGHTS -38.843
	5.964		193			4.843		192		DIFF IN ELEVATION +16.804
	5.771		388			4.651		388		
8	17.894	5.965		3.400		14.533	4.844		3.404	
	5.730		195			5.498		191		B.M. 15-3
	5.535		195			5.307		192		PECK Rd. & LAMBERT AVE.
	5.340		390			5.115		383		SEE F.B. 1380-8
9	16.605	5.535		3.790	86°	15.920	5.307		3.787	FOR DESCRIPTION
		55.647					38.843			

F.B. 1381 PG. 74

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. Dreier Weather CLEAR Inst. No. 50010
Notes by S. Shinoda Time 2:20-3:05 PM Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 15-5 To B.M. 15-4
Date 7-14-52
Indexed M. O. Johnson

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
	6510		212		#5	4661		213		B.M. 15-3
	6298		210			4448		212		PECK Rd & LAMBERT AVE
	6088		422			4236		425		SEE F.B. 1380-8
1	18896	6299		422	86°	13345	4448		425	FOR DESCRIPTION
	6051		214			4989		216		
	5837		212			4773		214		
	5625		426			4559		430		
2	17513	5838		848		14321	4774		855	
	5885		213			4772		213		
	5672		212			4559		213		
	5460		425			4346		426		
3	17017	5672		1273		13677	4559		1281	
	6740		217			5667		215		
	6523		217			5452		212		
	6306		434			5240		427		
4	19569	6523		1707		16359	5453		1708	
	5788		213			5098		213		
	5575		214			4885		215		
	5361		427			4670		428		
5	16724	5575		2134		14653	4884		2136	
		29.907					24.118			

F.B. 1381 PG. 75

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHIMODA Time 2:20-3:05 P.M. Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4929
From B.M. 15-3 To B.M. 15-4
Date 7-14-52
Indexed L. C. Johnson

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
	5444	25.907	213	2.134		5050	24.118	214	2.136	
	5231		215			4836		214		
	5016		428			4622		428		
6	15691	5.230		2.562		14508	4.836		2.564	
	5702		235			5144		196		
	5467		231			4948		197		
	5236		466			4751		393		
7	16405	5.468		3.028		14843	4.948		2.757	
	5557		199			5135		224		
	5358		201			4911		228		
	5157		400			4683		452		
8	16072	5.357		3.428		14729	4.910		3.409	
	5609		209			4710		217		
	5400		208			4493		215		
	5192		417			4278		432		
9	16201	5.400		3.845		13481	4.494		3.841	
	5250		187			4465		187		
	5063		185			4278		185		
	4878		372			4093		372		
10	15191	5.064		4.217		12836	4.279		4.213	
		56.426					47.585			

F.B. 381 PG. 76

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by J. SHINODA Time 2:20-3:05 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 15-3 To BM 15-4
Date 7-14-52
Indexed A. C. Johnson

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
	5282	56.426	191	4217		4504	47.585	188	4213	
	6091		192			4316		189		
	4899		383			4127		377		
11	15272	5.09		4600		12947	4.316		4590	
	5930		189			5811		190		BM 15-4
	5741		189			5621		190		PECK RD & LOWER AZUSA RD
	5552		378			5431		380		SEE F.B. 1380-9
12	17223	5.74		4978	84°	16863	5.621		4970	FOR DESCRIPTION
										SUMMATION OF RUN
										BM 15-3 TO BM 15-4
										TOTAL BACKSIGHTS 67.258
										" FORESIGHTS 57.522
										DIFF IN ELEVATION 9.736
		67.258					57.522			

F.B. 1381 PG. 77

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1381 PG. 78										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G E DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 3:30 TO Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4925
From BM 15-4 To BM 15-5
Date 7-14-52
Indexed C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7.043		211			4.763		212		B.M. 15-4
	6.832		210			4.551		212		PECK Rd. & LOWER AZUSA Rd.
	6.622		421			4.339		424		SEE F.B. 1380-9 FOR
1	20.497	6.832		421	86°	13.653	4.551		424	DESCRIPTION
	5.825		212			5.358		216		
	5.613		210			5.142		212		
	5.403		422			4.930		428		
2	16.841	5.614		843		15.430	5.143		852	
	6.232		214			5.000		212		
	6.018		213			4.788		210		
	5.805		427			4.578		422		
3	18.055	6.018		1.270		14.366	4.789		1.274	
	6.272		212			4.987		215		
	6.060		210			4.772		212		
	5.850		422			4.560		427		
4	18.182	6.061		1.692		14.319	4.773		1.701	
	6.020		210			4.553		213		
	5.810		210			4.340		212		
	5.600		420			4.128		425		
5	17.430	5.810		2.112		13.021	4.340		2.126	
		30.335					23.596			

F.B. 1381 PG. 79

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR - BREEZY Inst. No. 50010
Notes by G. E. DREIER Time 3:30 TO 3:55 PM Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From BM. 15-4 To B.M. 15-5
Date 7-14-52
Indexed **A. C. Johnson**

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
	6178	30.335	183	2112		4957	23.596	163	2126	
	5995		182			4794		162		STOPPED 3:55 P.M. 7-14-52
	5813		365			4633		325		
6	17.986	5.995		2.477	84°	14.383	4.794		2.451	
		36.330					28.390			B.M. 15-4A
										PECK Rd. & CHERRYLEE DR.
										SEE F.B. 1380 -
										FOR DESCRIPTION
	5611		140			5063		098		
	5471		138			4965		097		BEGAN 8:45 AM 7-15-52
	5333		278			4868		195		
7	16415	5.472		2.755	62°	14896	4.965		2.646	
		41.802					33.355			BM 15-4B
										PECK RD. & FIRESTATION S/W COR
										SEE F.B 1380-10
										FOR DESCRIPTION
F.B. 1381 PG. 80	5081		043			4444		079		
	5038		045			4365		078		
	4993		088			4287		157		
8	15112	5.037		2.843		13096	4.365		2.803	
		46.839					37.720			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 8:45-9:25 AM Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 41923
From B.M. 15-4 To B.M. 15-5
Date 7-15-52
Indexed K. C. Johnson

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
		46.839		2843			37.724		2803	B.M. 15-4C
										PECK RD & FIRE STATION NW COR
										SEE F.B. 1380-10
										FOR DESCRIPTION
	4960		203			4790		227		
	4757		204			4563		223		
	4553		407			4340		450		
9	14270	4757		3250		13693	4564		3259	
	6128		211			5159		217		
	5917		212			4942		214		
	5706		423			4728		431		
10	17750	5917		3673		14829	4943		3684	
	6032		214			4641		214		
	5818		215			4427		214		
	5603		429			4213		428		
11	17453	5818		4102		13281	4427		4112	
	6231		215			4728		215		
	6016		215			4513		213		
	5801		430			4300		428		
12	18048	6016		4532		13541	4514		4540	
		69.342					56.168			

F.B. 1381 PG. 81

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 8:45-7:25 A.M. Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 15-4 To B.M. 15-5
Date 7-15-52
Indexed K. C. Johnson

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
	6165	6.934	214	4.532		4542	5.668	212	4.540	
	5951		212			4330		215		
	5739		426			4115		427		
13.	17855	5.952		4.958		12987	4.329		4.967	
	1164		145			9429		152		
	1019		147			9277		153		SUMMATION OF RUN
	0872		292			9124		305		B.M. 15-4 TO B.M. 15-5
14	30655	1.018		5.250		27830	9.277		5.272	
	5432		212			4555		217		TOTAL BACKSIGHTS +86.417
	5220		212			4338		218		" FORESIGHTS -78.627
	5008		424			4120		435		DIFF IN ELEVATION + 7.790
15.	15660	5.220		5.674		13013	4.338		5.707	
	5052		173			4672		158		B.M. 15-5
	4879		171			4514		156		PECK RD. & LA SALLE ST.
	4708		344			4358		314		SEE F.B. 1380-11
16.	14639	4.880		6.018	64°	13544	4.515		6.021	FOR DESCRIPTION
		86.417					78.627			

F.B. 1381 PG 82

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 9:30 - 10:55 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 15-5 To B.M. 15-6
Date 7-15-52
Indexed A. C. Johnson

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
	7224		214		#5	3123		215		B.M. 15-5
	7010		211			2908		215		PECK RD & LA SALLE ST
	6799		425			2693		430		SEE F.B. 1380-11
1	21033	7.011		425	64°	8724	2.908		430	FOR DESCRIPTION
	5317		214			6498		216		
	5103		211			6282		214		π E. LANDA
	4892		425			6068		430		
2	15312	5.104		850		18848	6.283		860	
	4671		213			6188		216		
	4458		216			5972		213		
	4242		429			5759		429		
3	13371	4.457		1.279		17919	5.973		1.289	
	5572		214			2201		211		
	5358		213			1990		212		
	5145		427			1778		423		
4	16075	5.358		1.706		5969	1.990		1.712	
	5792		219			7471		218		
	5573		217			7253		217		
	5356		436			7036		435		
5	16721	5.574		2.142		21760	7.253		2.147	
		27.504					24.407			

F.B. 1381 PG. 83

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER
Notes by S. SHINODA
Weather OVERCAST
Time 9:30-10:55 A.M.
Inst. No. 50010
Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 15-5 To BM 15-6
Date 7-14-52
Indexed A. C. Johnson

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
	4832	27.504	204	2.142		2843	24.407	211	2.147	
	4628		201			2632		209		
	4427		405			2423		420		
6	13887	4.629		2.547		7898	2.633		2.567	
	7850		216			4290		216		
	7634		214			4074		214		
	7420		430			3860		430		
7	22904	7.635		2.977		12224	4.075		2.997	
	6325		212			4948		210		
	6113		213			4738		211		
	5900		425			4529		421 19		
8	18338	6.113		3.402		14215	4.738		3.41~~2~~ 6	
	6453		214			5083		213		
	6239		212			4870		210		
	6027		426			4660		423		
9	18719	6.240		3.828		14613	4.871		3.8~~27~~ 39	
	5840		217			4252		210		
	5623		215			4042		209		
	5408		432			3833		419		
10	16871	5.624		4.260		12127	4.042		4.2~~60~~ 59	
		57.745					44.766			

F.B. 1381 PG. 84

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 9:30-10:55 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 15-5 To B.M. 15-6
Date 7-15-52
Indexed A. C. Johnson

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
	7010	57.745	212	4260		4415	44.766	213	4260 58	SUMMATION OF RUN
	6798		210			4202		209		BM 15-5 TO BM 15-6
	6588		422			3993		422		
11	20396	6.799		4682		12610	4.203		4682	
	6735		210			4340		213		TOTAL BACKSIGHTS + 79.787
	6525		210			4127		212		FORESIGHTS − 56.864
	6315		420			3915		425		
12	19575	6.525		5102		12382	4.127		5107	DIFF IN ELEVATION + 22.923
	8984		266			4068		300		BM 15-6
	8718		265			3768		300		PECK RD & LIVE OAK AVE
	8453		531			3468		600		SEE F.B. 1380-12
13	26155	8.718		5633	71°	11304	3.768		5707	FOR DESCRIPTION
		79.787					56.864			

F.B. 1381 PG. 85

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1281 PG. 86

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 11:05 - 1:45 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 15-6 To BM 15-7
Date 7-15-52
Indexed L. O. Johnson

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
	5772		210		#5	4912		215		BM 15-6
	5562		210			4697		216		PECK RD & LIVE OAK AVE
	5352		420			4481		431		SEE F.B. 1380-12
1	16686	5.562		.420	71°	14090	4.697		.431	FOR DESCRIPTION
	6633		211			4918		214		
	6422		212			4704		212		⊼ G E DREIER
	6210		423			4492		426		
2	19265	6.422		.843		14114	4.705		.857	
	6276		214			4533		213		
	6062		210			4320		212		
	5852		424			4108		425		
3	18190	6.063		1.267		12961	4.320		1.282	
	6139		217			4451		210		
	5922		213			4241		209		
	5709		430			4032		419		
4	17770	5.923		1.697		12724	4.241		1.701	
	6052		213			4298		216		
	5821		211			4082		213		
	5610		424			3869		429		
5	17465	5.822		2.121		12249	4.083		2.130	
		29.792					22.046			

F.B. 1381 PG. 87

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 11:05 - 1:45 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 15-6 To BM 15-7
Date 7-14-52
Indexed S. C. Johnson

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
	5802	29.792	211	2.121		3941	22.046	211	2.130	
	5591		212			3730		211		
	5379		423			3519		422		
6	16772	5591		2544		11190	3730		1552	
	5813		212			3501		212		
	5601		211			3289		211		
	5390		423			3078		423		
7	16804	5601		2967		9868	3289		2975	
	5385		210			3285		212		
	5175		209			3073		211		
	4966		419			2862		423		
8	15526	5175		3384		9220	3073		3398	
	5651		210			3051		214		
	5441		210			2837		212		
	5231		420			2625		420		
9	16323	5441		3806		8513	2838		3824	
	6672		207			5873		211		
	6465		207			5662		210		
	6258		414			5452		421		
10	19395	6465		4220		16987	5662		4245	
		58.065					40.638			

F.B. 1381 PG. 88

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:05-1:45 P.M. Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 15-6 To B.M. 15-7
Date 7-15-5
Indexed A. C. Johnson

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
	7997	58.065	213	4.220		4240	40.638	211	4.245	
	7784		212			4029		211		
	7572		425			3818		422		ONE HOUR FOR LUNCH
11	23353	7.784		4.445	74°	12087	4.029		4.667	
	6793		210			4474		211		
	6583		210			4263		212		
	6373		420			4051		423		
12	19749	6.583		5.065	86°	12788	4.263		5.090	
	6982		217			4669		208		
	6765		217			4461		206		SUMMATION OF RUN
	6548		434			4255		414		B.M. 15-6 TO B.M. 15-7
13	20295	6.765		5.499		13385	4.462		5.504	
	6113		135			4622		134		
	5978		136			4488		131		TOTAL BACKSIGHTS +91.338
	5842		271			4357		265		" FORESIGHTS -63.961
14	17933	5.978		5.770		13467	4.489		5.769	DIFF. IN ELEVATION +27.377
	6309		147			6224		144		B.M. 15-7
	6162		144			6080		144		PECK RD & CAMINO REAL
	6018		291			5936		288		SEE F.B. 1380-13
15	18489	6.163		6.061	86°	18240	6.080		6.057	FOR DESCRIPTION
		91.338					63.961			

F.B. 1381 PG. 89

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1381 PG. 90										

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 8:45-9:35AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 15-7 To BM 15-6
Date 7-16-52
Indexed R. C. Johnson

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
	6124		144		#5	6205		148		BM 15-7
	5980		145			6057		146		PECK RD & CAMINO REAL
	5835		289			5911		294		SEE F.B 1380-13
1	17939	5980		289	66°	18173	6058		294	FOR DESCRIPTION
	4545		134			6036		136		
	4411		134			5900		136		T E LANDA
	4277		268			5764		272		
2	13233	4411		557		17700	5900		566	
	4193		215			6491		216		
	3978		213			6275		213		
	3765		428			6062		429		
3	11936	3979		985		18828	6276		995	
	4106		214			6428		212		
	3892		211			6216		212		
	3681		425			6004		424		
4	11679	3893		1410		18648	6216		1419	
	4161		210			7920		212		
	3951		211			7708		211		
	3740		421			7497		423		
5	11852	3951		1831		23125	7708		1842	
		22.214					32.158			

F.B. 1381 PG. 91

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 8:45-9:35 AM Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 15-7 To BM 15-6
Date 7-16-52
Indexed A. C. Johnson

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
	5779	2.214	210	1.831		6583	32.158	210	1.842	
	5569		210			6373		208		
	5359		420			6165		418		
6	16707	5.569		2.251		19121	6.374		2.260	
	3153		214			5757		214		
	2939		211			5543		210		
	2728		425			5333		424		
7	8820	2.940		2.676		16633	5.544		2.684	
	3327		212			5425		210		
	3115		211			5215		209		
	2904		423			5006		419		
8	9346	3.115		3.099		15646	5.215		3.103	
	3330		212			5638		214		
	3118		209			5424		212		
	2909		421			5212		426		
9	9357	3.119		3.520		16274	5.425		3.529	
	3980		215			5841		211		
	3765		213			5630		210		
	3552		428			5420		421		
10	11297	3.766		3.948		16891	5.630		3.950	
		40.723					60.346			

F.B. 1391 PG. 92

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 8:45-9:35 AM Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From BM 15-7 To BM 15-6
Date 7-16-52
Indexed A. C. Johnson

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
	4158	40.723	216	3.948		5893	60.346	213	3.950	
	3942		212			5680		210		
	3730		428			5470		423		
11	11830	3.943		4.376		17043	5.681		4.373	
	4458		214			6142		212		
	4244		212			5930		215		
	4032		426			5715		427		
12	12734	4.245		4.802		17787	5.929		4.800	
	4424		214			6165		213		
	4210		211			5952		212		SUMMATION OF RUN
	3999		425			5740		425		BM 15-7 TO BM 15-6
13	12633	4.211		5.227		17857	5.952		5.225	
	4855		215			6577		215		TOTAL BACKSIGHTS +62.464
	4640		211			6362		211		" FORESIGHTS −89.835
	4429		426			6151		426		DIFF IN ELEVATION −27.371
14	13924	4.641		5.653		19090	6.363		5.651	
	4916		216			5776		213		BM 15-C
	4700		213			5563		211		PECK RD & LIVE OAK AVE
	4487		429			5352		424		SEE FB 1380-1
15.	14103	4.701		6.082	67°	16691	5.564		6.075	FOR DESCRIPTION
		62.464					89.835			

F.B. 1381 PG 53

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1381 PG. 94										

FORM 379 5M 7-48

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by G.E. DREIER Time 2:00 TO 3:20 Rod No. 5 & 6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 15-7 To BM 15-8
Date 7-15-52
Indexed A. O. Jellerson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7.652		213		#5	4231		211		BM 15-7
	7.419		209			4.020		210		PECK Rd. & CAMINO REAL
	7.210		422			3810		421		SEE F.B. 1380-13
1	22.261	7.420		422	87°	12.061	4.020		421	FOR DESCRIPTION
	6.609		212			5552		214		
	6.397		213			5338		211		TK E. LANDA
	6184		425			5127		425		
2	19.190	6.397		847		16017	5339		846	
	7.979		211			3.443		214		
	7.768		210			3.229		214		
	7.558		421			3.015		428		
3	23.305	7.768		1.268		9.687	3.229		1.274	
	6.615		210			3.422		211		
	6.405		207			3.211		211		
	6.198		417			3.000		422		
4	19.218	6.406		1685		9.633	3.211		1.696	
	6.635		215			3310		210		
	6420		211			3.100		211		
	6209		426			2889		421		
5	19.264	6.421		2111		9.299	3.100		2.117	
		34.412					18.899			

F.B. 1381 PG. 75

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR-WINDY Inst. No. 50010
Notes by G. E. DREIER Time 2:00 TO 3:00 PM Rod No. 58 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 15-7 To B.M. 15-8
Date 7-15-52
Indexed C. Johnson

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
	6481	34412	214	2111		4109	3899	210	2117	
	6267		214			3899		211		
	6053		428			3688		421		
6	18801	6267		2539		11696	3899		2538	
	6930		213			3581		212		
	6717		214			3369		211		
	6503		427			3158		423		
7	20150	6717		2966		10108	3369		2961	
	6498		214			3587		215		
	6194		212			3372		212		
	5982		426			3161		423		
8	18584	6195		3392		10120	3373		3388	
	6379		211			3641		219		
	6168		210			3422		214		
	5958		421			3208		433		
9	18505	6168		3813		10271	3423		3824	
	6960		210			2530		214		
	6750		212			2316		214		
	6538		422			2102		428		
10	20248	6749		4235		6948	2316		4249	
		66508					~~35279~~ 35280			

F.B. 1381 PG. 96

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 2:00 TO 3:20 PM Rod No. 586

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 15-7 To B.M. 15-8
Date 7-15-53
Indexed E. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7.540	6.508	217	4.235		2.908	~~3.5279~~ 3.5280	211	4.249	
	7.323		213			2.697		209		
	7.110		430			2.488		420		
11	21.973	7.324		4.665		8.093	2.698		4.669	
	7.324		174			2.358		179		SUMMATION OF RUN
	7.150		174			2.179		177		B.M. 15-7 TO B.M. 15-8
	6.976		348			2.002		356		TOTAL BACKSIGHTS + 94.336
12	21.450	7.150		5.015		6.539	2.180		5.025	TOTAL FORESIGHTS - 44.2989
	7.408		208			2.488		212		DIFF. IN ELEVATION +50.0387
	7.200		206			2.276		216		
	6.994		414			2.060		428		
13	21.602	7.201		5.427		6.824	2.275		5.453	
	6.380		228			2.077		211		B.M. 15-8 (U.S.C.&G.S. H-76)
	6.152		224			1.866		210		PECK RD. & DUARTE RD.
	5.928		452			1.656		421		SEE F.B. 1376-13
14	18.460	6.153		5.879	86°	5.599	1.866		5.874	FOR DESCRIPTION
		94.336					~~44.298~~ 44.299			

F.B. 1391 PG. 97

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1381 PG. 98										

FORM 379, 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHIMODA Time 9:45-10:55AM Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From BM 15-8 To BM 11-10
Date 7-12-5
Indexed E. C. Johnson

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
	3215		196		#5	4931		199		BM 15-8 (US 2619)
	3019		192			4732		195		DECK RD & DUARTE RD.
	2827		388			4537		394		SEE F.B. 1380-14
1	9061	3.020		.388	67°	14200	4.733		.394	FOR DESCRIPTION
	5980		212			4198		219		
	5768		210			3979		220		⊼ E LANDA
	5558		422			3759		439		
2	17306	5.769		.810		11936	3.979		.833	
	10531		211			3042		207		
	10320		208			2835		207		
	10112		419			2628		414		
3	30963	10.321		1.229		8505	2.835		1.247	
	7547		209			2010		214		
	7338		208			1796		213		
	7130		417			1583		427		
4	22015	7.338		1.646		5389	1.796		1.674	
	7833		215			2385		220		
	7618		219			2165		217		
	7399		434			1948		437		
5	22850	7.617		2.080		6498	2.166		2.111	
		34.065					15.509			

F.B. 1381 PG. 99

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 9:45-10:55 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 15-8 To B.M. 11-10
Date 7-16-52
Indexed A. C. Johnson

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
	9408	34.065	207	2.080		2590	15.509	203	2.111	
	9201		205			2787		204		
	8996		412			2583		407		
6	27605	9.202		2.492		8360	2.787		2.518	
	9291		213			2893		212		
	9078		211			2681		211		
	8867		424			2470		423		
7	27236	9.079		2.916		8044	2.681		2.941	
	9482		217			2318		208		
	9265		217			2110		205		
	9048		434			1905		413		
8	27795	9.265		3.350		6333	2.111		3.354	
	8067		224			1445		222		
	7843		220			1223		219		
	7623		444			1004		441		
9	23533	7.844		3.794		3672	1.224		3.795	
	8082		213			1658		215		
	7869		211			1443		212		
	7658		424			1231		427		
10	23609	7.870		4.218		4332	1.444		4.222	
		77.325					25.756			

F.B. 1381 PG. 100

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 9:45-10:55AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 15-8 To B.M. 11-10
Date 7-16-52
Indexed A. C. Johnson

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
	8606	77.325	214	4.218		2509	25.756	211	4.222	
	8392		212			2298		213		SUMMATION OF RUN
	8180		426			2085		424		BM 15-8 TO BM 11-10
11	25178	8.393		4644		6892	2.297		4646	
	7093		162			2120		161		TOTAL BACKSIGHTS = 99.638
	6931		161			1959		160		- FORESIGHTS = 33.163
	6770		323			1799		321		DIFF. IN ELEVATION = +66.475
12	20794	6.931		4967		5878	1.959		4967	
	7150		161			3315		164		BM 11-10
	6989		160			3151		163		HUNTINGTON DR & MYRTLE AVE
	6829		321			2988		327		SEE F B 1376-13
13	20968	6.989		5288	69°	9454	3.151		5294	FOR DESCRIPTION
		99.638					33.163			

F.B. 1381 PG. 101

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1381 PG. 102										

Notes Ck'd by	Survey and L.A. Co. Precise Level Net
Map No.	W. O. 4923 Tape No. Std. °F
Office Work	Surveyed by G. E. DREIER
Checked	Notes Date 1952
Date	Indexed C. Johnson 1-13-52

F.B. 1381 Pg. 109

LINE No. 17

JOB NO 4923

L.A. COUNTY PRECISE LEVEL NET

G.E. DREIER
E. LANDA
S. SHINODA
M. SONNENSCHEIN
T. OHASHI
J. CALDERON

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 SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

75F3095 247 2-51

F.B. 1381 PG. 110

B.M. 17-1

CITRUS AVE. AND ARROW HIGHWAY, ℄ INTERTERSECTION, A STANDARD COUNTY SURVEYOR MONUMEN MARKED:-

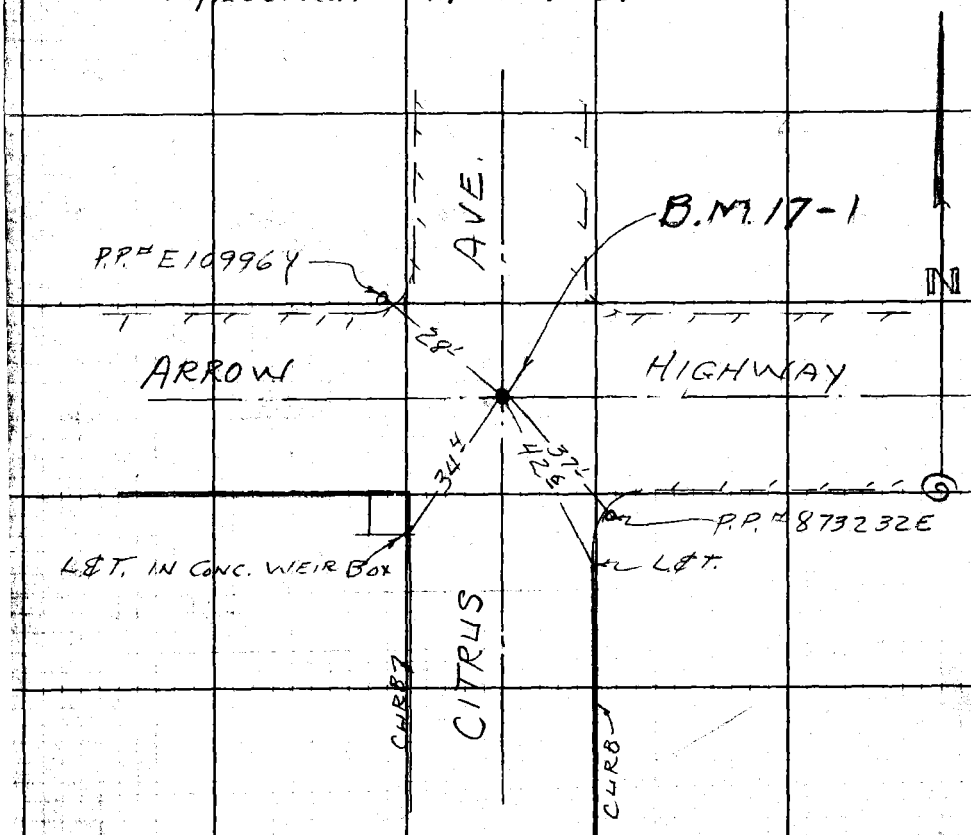
COUNTY SURVEYOR
T1S
SEC. 2 1/2
11 1/2
COR.
R. E. 2177
RIOW

SET IN CONCRETE 15 INCHES BELOW THE SURFACE IN A WELL PROTECTED BY A CAST IRON COVER MARKED-"L.A. COUNTY ROAD DEPT."

L.A. Co. 1952 Adj. Elev. = 578.463

Not Recovered 15 July 1963

See F.B. 2897-9 for replacement BM F.E.B.



RETURN TO.
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

Do not extend notes this side of this line.

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 Leveling
Map No.	W. O. 4823 Tape No. St'd °F
Office Work	Surveyed by C. E. DREIER
Checked	Notes G.E.D. Date 6-19-52
Date	Indexed A. C. Johnson

F.B. 1381 Pg. 111

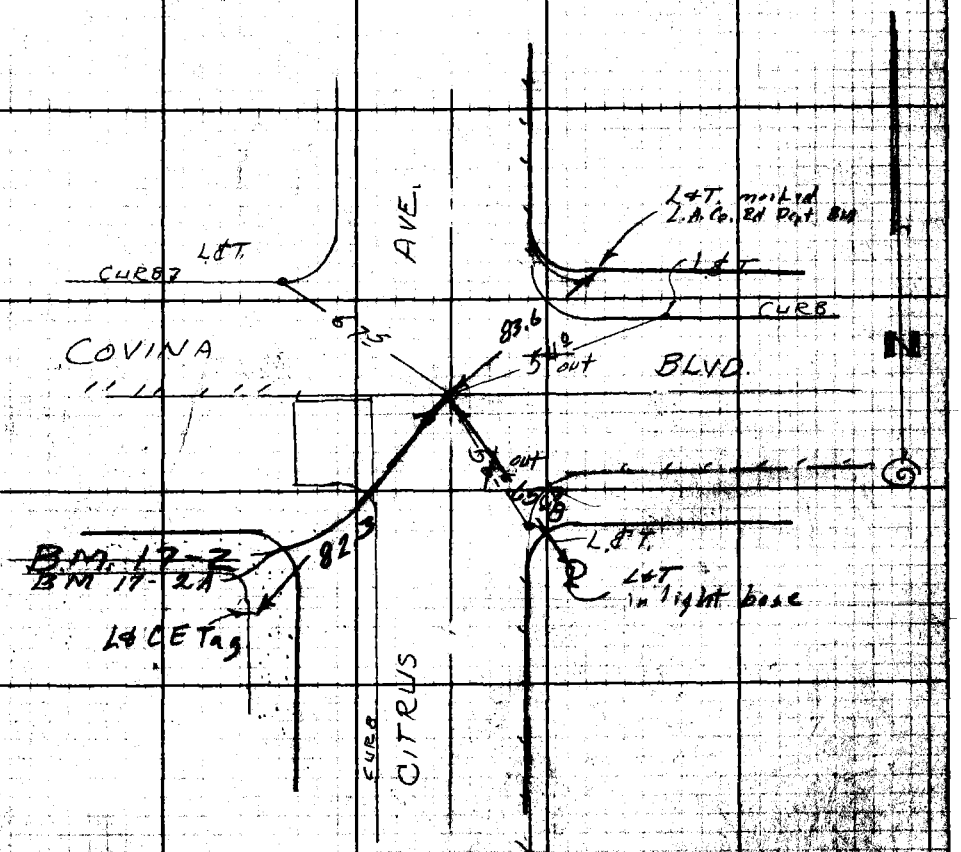
BM 17-2A (COVINA B-1)

BM 17-2 Not Recovered 16 July 1963 FEB

CITRUS AVE. AND COVINA BLVD, ℄ INTERSECTION, A Std Co. Engr Traverse BRASS DISC SET IN CONCRETE 11/16" INCHES BELOW THE SURFACE MARKED - "COVINA B-1 1957 RE 5869 ~~L.A. CO. RD 1950~~ IN A WELL PROTECTED BY A CAST IRON COVER MARKED - ~~L.A.~~ COUNTY ENGINEER ~~ROAD DEPT.~~ MONUMENT

L.A. CO. 1952 ADJ. ELEV. - 565.712

7-10-75 G.E.D. NOT RECOVERED, DUG 12" DEEP TO TOP OF CONC. STORM DRAIN?



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 SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3098 247 2-51

F.B. ~~1381~~ Pg. ~~112~~

BM 17-3~~A~~ B* (L.A. Co. F.C.)

~~B.M. 17-3~~ Not Recovered 16 July 1963 F.E.B.

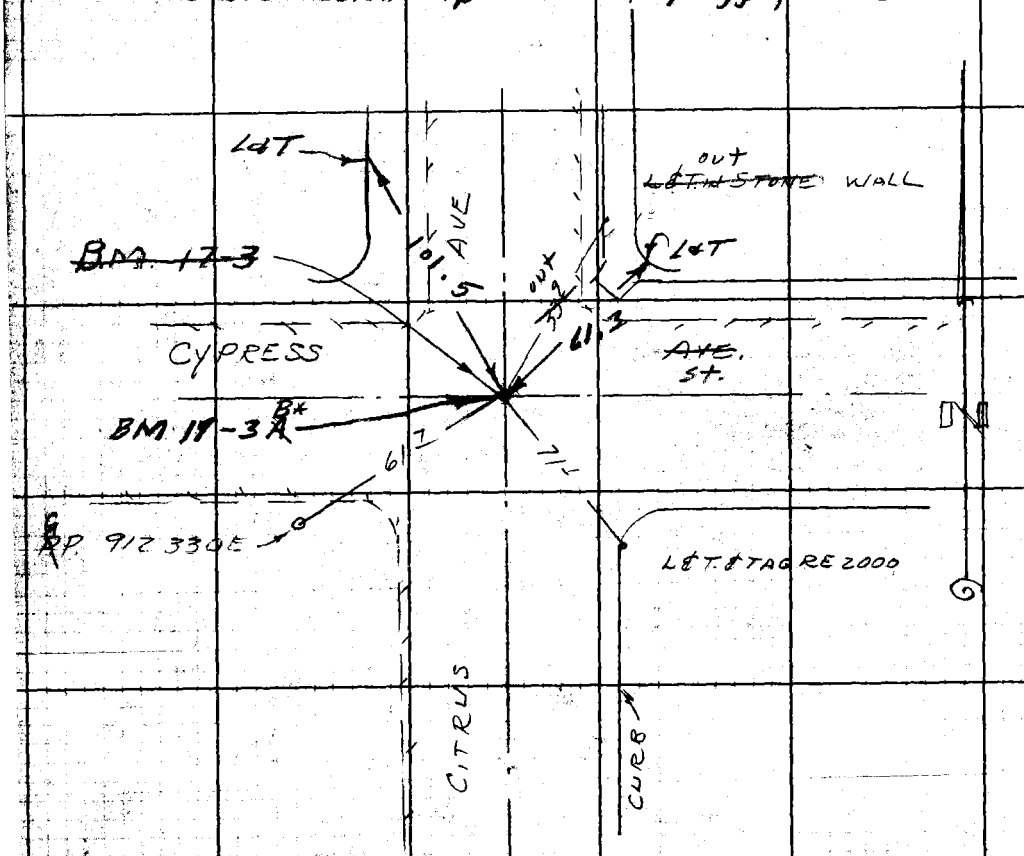
CITRUS AVE. AND CYPRESS ~~AVE.~~ St.,
℄ INTERSECTION, A Std. 4" F.C. BRASS DISC SET IN
CONCRETE 6 INCHES BELOW THE
SURFACE, in H.H. Stamped ~~MARKED~~ - " RESET DEC. 1962 ~~L.A.CO. RD 1950~~,
IN A WELL PROTECTED BY A CAST IRON
COVER MARKED " ~~L.A.~~ COUNTY ENGINEER ~~ROAD DEPT.~~ "
MONUMENT
L.A. CO. 1952 ADJ. ELEV = 564.188

10/14/63

* Note: 17-3A set 3/10/60 (See F.B. 1390 - 141, 142)

17-3B is replacement for 17-3 [illegible]

* See F.B. 2726 - 220, 222 for new ties and Rest. Elev. on ties before destruction by construction April 1972, Spriggs, Crowe



RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY
ENGINEERING BLDG.

Do not extend notes this side of this line.

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.	W. O. 1923 Tape No. St'd. °F
Office Work	Surveyed by G.E. Dreier
Checked	Notes G.E.D. Date 6-19-52
Date	Indexed E. C. Johnson

F.B. 1381 Pg. 113

FEB 16 July 63 COVINA, IN NORTH FACE OF GENERAL TELEPHONE OFFICE ON EAST COLLEGE ST.; A BRASS DISK (U.S.C. & G.S. B.M. S-35) 1923 (~~5.2~~ 1.4 FT FROM N.W. COR, 4.2 FT ABOVE WALK)

B.M. 17-5 (U.S. 281) L.A.CO. 1952 ADJ. ELEV. = 551.434 ✓

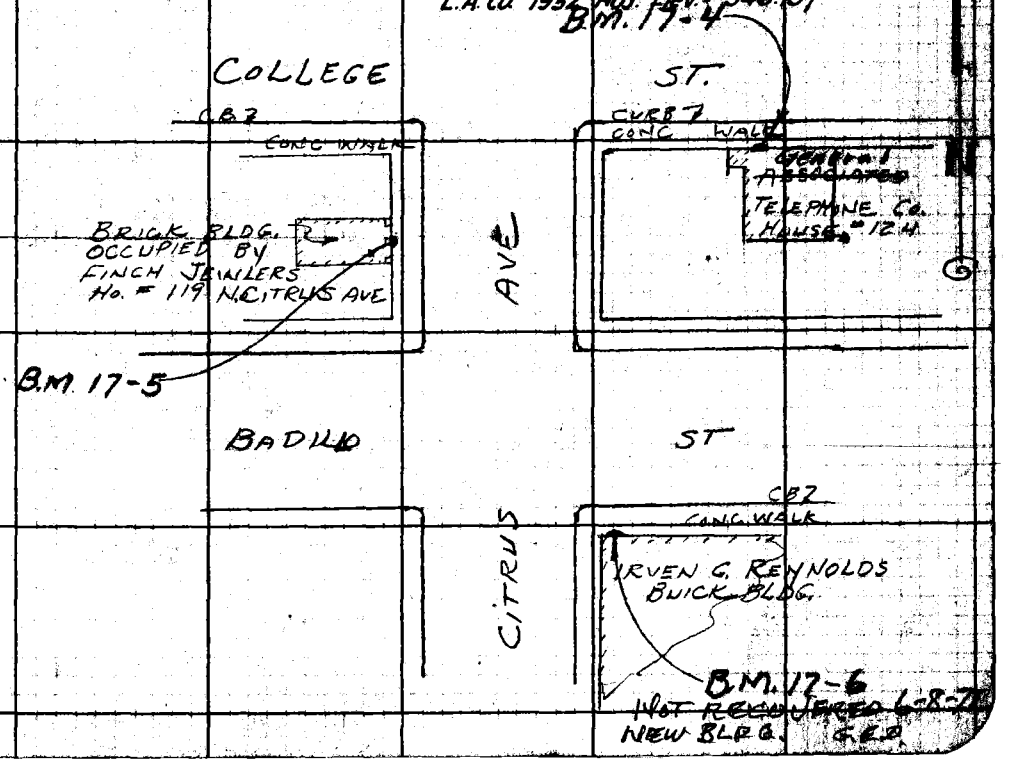
FEB 16 July 63 COVINA, IN EAST FACE OF ~~YELLOW~~ WHITE BRICK BLDG.; ON CITRUS AVE, OWNED BY ~~CHARLES OSBORN~~; A BRASS DISK (U.S.C.&G.S. B.M. T-35) (NOW OCCUPIED BY FINCH JEWLERS, ~~119~~ 115 1923 N. CITRUS AVE, AND IS 4 FT. ABOVE WALK)

B.M. 17-6 (U.S. 282) L.A.CO. 1952 ADJ. ELEV. = 547.449 ✓

FEB 16 July 63 COVINA, IN NORTH FACE OF BLDG. ON BADILLO ST. OWNED BY IRVEN G. REYNOLDS; A BRASS DISK, U.S.C.&G.S. BM. U-35 1923 (1.5 FT FROM N.W. COR 4.1 ABOVE WALK)

NOTE:— THESE THREE B.M.'S ARE USED BY CITY OF COVINA, ELEVATIONS SAME AS U.S. GEOLOGICAL SURVEY DATUM PER ORDINANCE NO 171 - SECTION 3

L.A.CO. 1952 ADJ. Elev. = 546.157 ✓



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 SURVEYOR 726 LOS ANGELES COUNTY ENGINEERING BLDG.

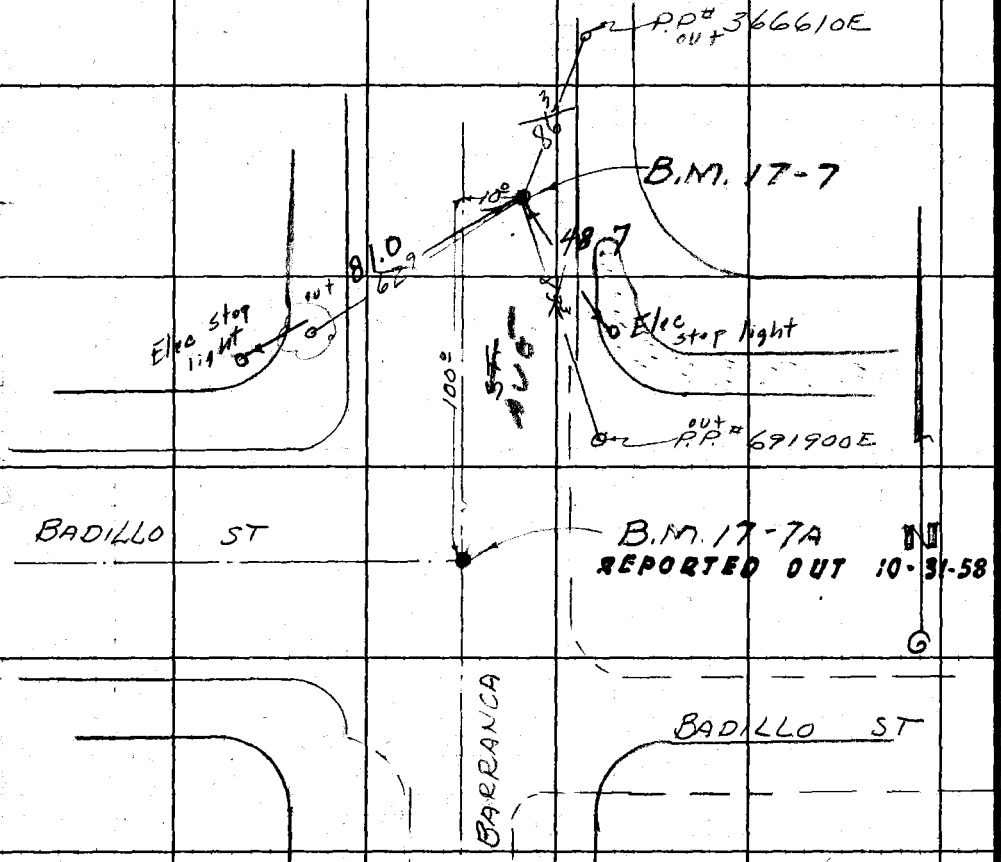
7PF3099 247 2-51

F. B. 1381 PG. 114

B.M. 17-7

BADILLO ST. AND BARRANCA ~~ST.~~ AVE., A STANDARD COUNTY SURVEYOR MONUMENT MARKED "B.M. 17-7 1952 R.E.63" SET IN CONCRETE 10 INCHES BELOW THE SURFACE, 100 FT. NORTH OF THE ℄ OF BADILLO ST AND 10 FT EAST OF THE ℄ OF BARRANCA ST IN A WELL PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT"

L.A.CO. 1952 ADJ. ELEV. = 561.751



B.M. 17-7A BADILLO ST. AND BARRANCA ST., ℄ INTERSECTION, A STANDARD COUNTY SURVEYOR MONUMENT "R.E.63" SET IN CONCRETE 8 INCHES BELOW THE SURFACE IN A WELL PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT"

L.A.CO. 1952 ADJ. ELEV. = 561.575

RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY
ENGINEERING BLDG.

Do not extend notes this side of this line.

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 Levelling
Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes G.E.D. Date 6-19-52
Date	Indexed C. Johnson

F.B. 1381 Pg. 115

Not recovered 16 July 63 FEB See F.B. 2097-10 for replacement

BADILLO ST. AND GRAND AVE. ℄ INTERSECTION, A STANDARD COUNTY SURVEYOR MONUMENT "RE. 2177" SET IN CONCRETE 21 INCHES BELOW THE SURFACE IN A WELL PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT"

L.A. CO. 1952 ADJ. ELEV. = 587.607 ✓

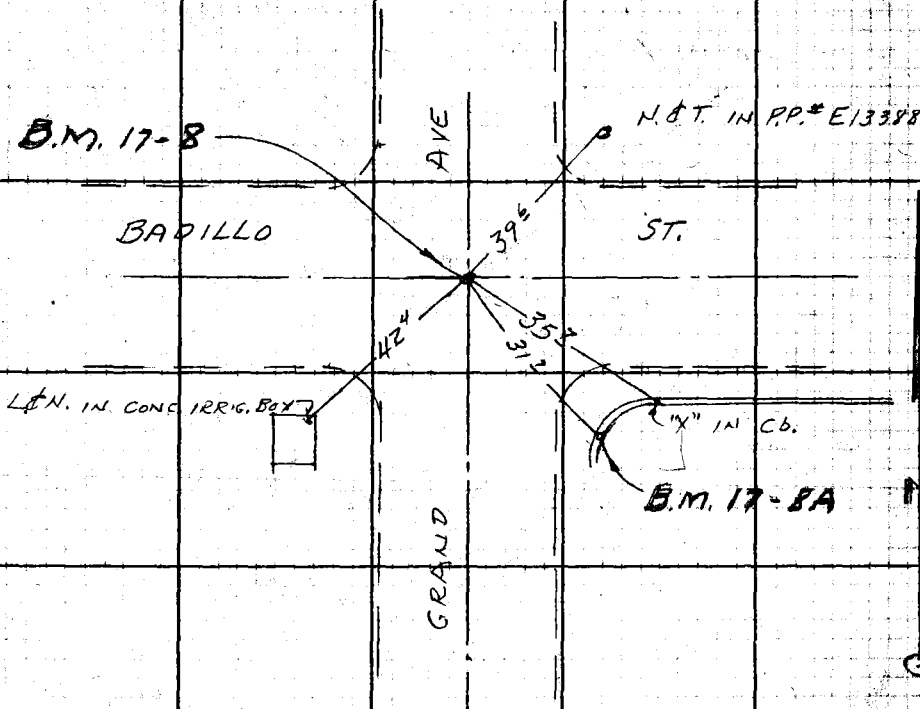
B.M. 17-8A (U.S. 363)

COVINA, 1 MILE EAST OF, AT SOUTHEAST COR. OF GRAND AND BADILLO AVE. IN CURB CHISELED SQUARE, MARKED "U.S. B.M. 588.5"

NOTE:— THIS CURB IN BAD CONDITION AND SECTION WITH B.M. HAS SETTLED, 6-19-52.

L.A. CO. 1952 ADJ. ELEV. = 588.477 ✓

REPORTED OUT 10-31-58



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 SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

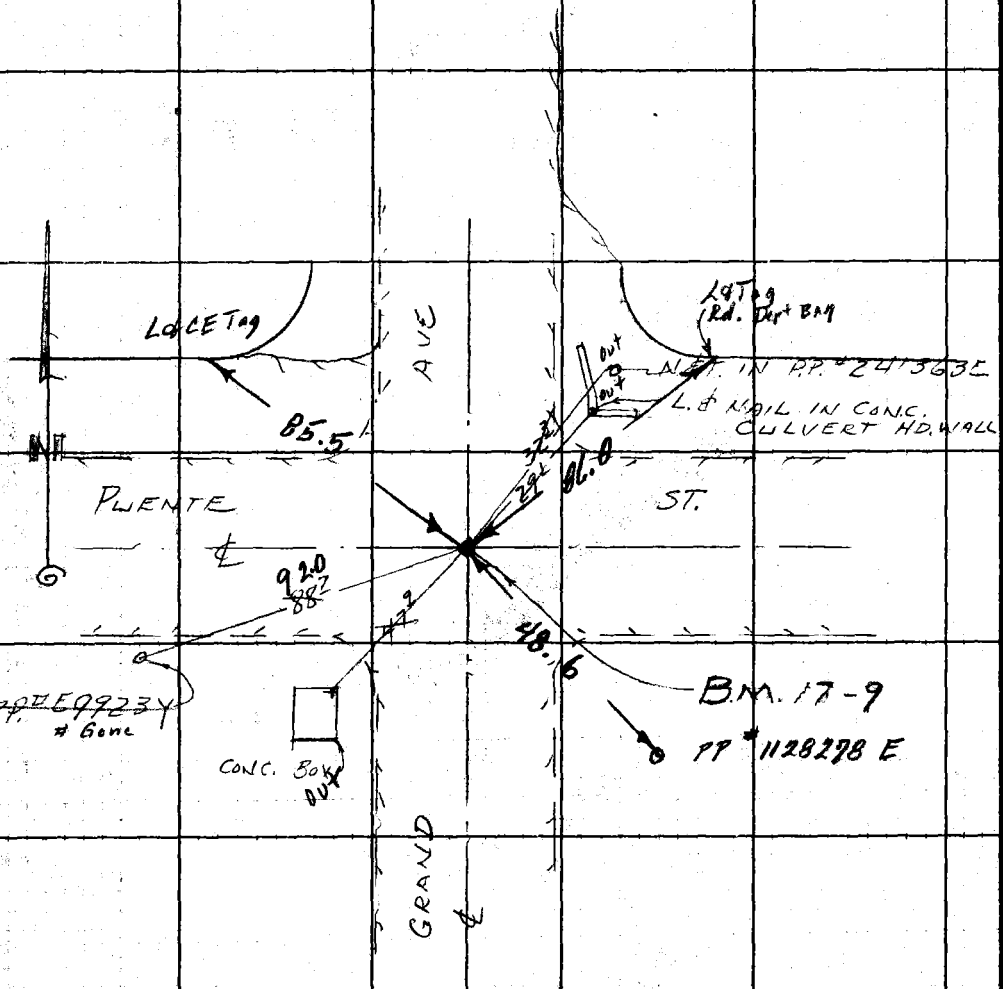
78F3095 247 2-51

F.B. 1381 PG. 116

B.M. 17-9

PUENTE ST. AND GRAND AVE, ℄ INTERSECTION, A STANDARD COUNTY SURVEYOR MONUMENT R.E. 2177 SET IN CONCRETE 18 INCHES BELOW THE SURFACE, IN A WELL PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT"

L.A.CO. 1952 ADJ. ELEV. = 592.863 ✓



RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY
ENGINEERING BLDG.

Do not extend notes this side of this line.

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 Levelling
Map No.	W. O. 1923 Tape No. St'd. °F
Office Work	Surveyed by G. E. DREIER
Checked	Notes G. E. DREIER Date 6-19-52
Date	Indexed R. C. Johnson

F.B. 1381 Pg. 117

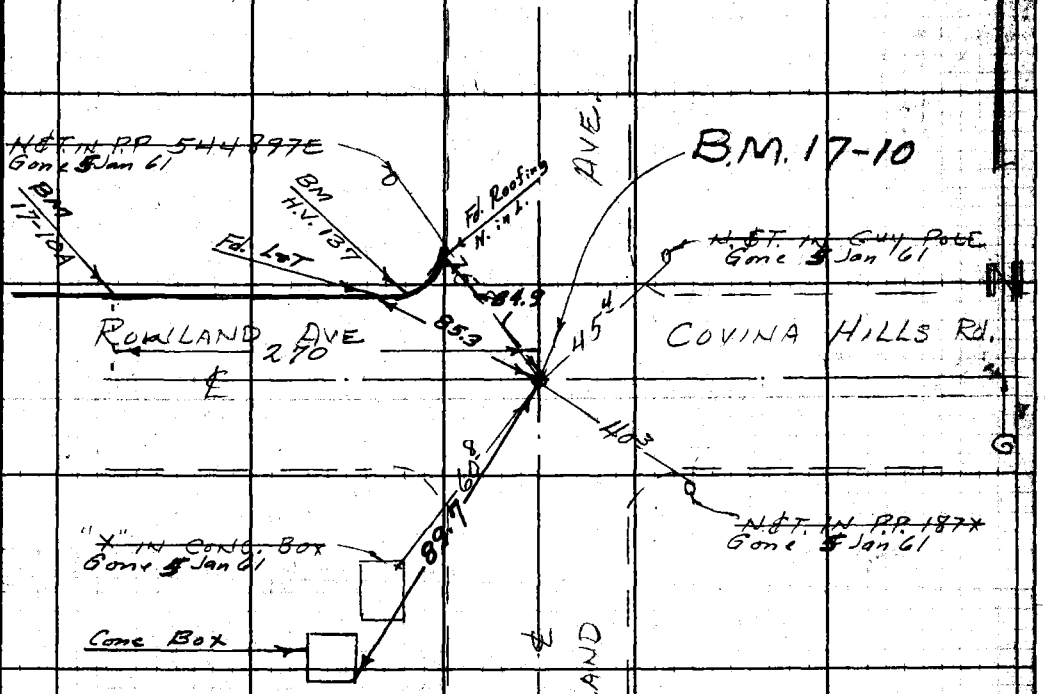
B.M. 17-10

Not Rec.
16 July 1963
F.E.B.

GRAND AVE AND COVINA HILLS RD, (TO EAST) (ROWLAND AVE TO WEST), A STANDARD COUNTY SURVEYOR MONUMENT SET IN CONCRETE 9 INCHES BELOW THE SURFACE ON THE ℄ INTERSECTION OF THE STREETS & IN A WELL PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT." L.A. CO. 1952 ADJ. ELEV. = 579.515 ✓

Not Rec.
16 July 1963
F.E.B.

BM H.V. 137 F.B. 2118-158
Rowland Ave and Grand Ave N. W. Cor.
BT. Spk in cb. at W. end of C.R.
see F.B. 1381-283 F.E.B. 5 Jan 61



BM 17-10 A
Rowland Ave 270 ft. W. of ℄ Grand Ave in N. curb in front of house # 19339 a bt. spk set in Lead. BM 17-10A chisled in curb F.E.B. 5 Jan 61

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.

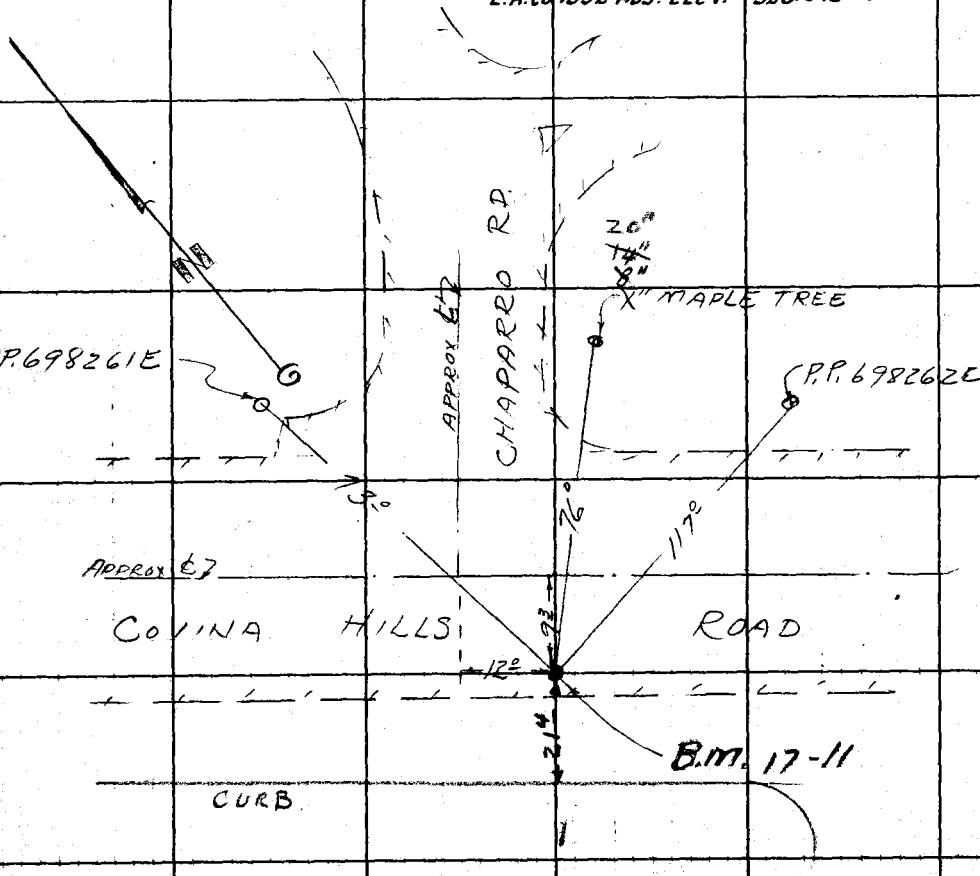
RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

F. B. 1381 PG. 118

BM. 17-11

COVINA HILLS ROAD AND CHAPARRO RD., A STANDARD COUNTY SURVEYOR MONUMENT MARKED:— "B.M. 17-11 1952 R.E. 63" SET IN CONCRETE 10 INCHES BELOW THE SURFACE 9.3 FT S.W. OF THE APPROXIMATE ℄ OF COVINA HILLS ROAD AND 12 FT S.E. OF THE APPROXIMATE ℄ OF CHAPARRO RD. PROD. 73 FT SOUTHERLY FROM P. POLE #698261E AND 117° FT. WESTERLY FROM P. POLE # 698262E, IN A WELL AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT"

L.A.CO. 1952 ADJ. ELEV. = 528.845 ✓



RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

329 2 869

Notes Ck'd by	Survey of L.A. Co. Precise Level Net
Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by G. E. DREIER
Checked	Notes G.E.D. Date 6-19-52
Date	Indexed R. C. Johnson

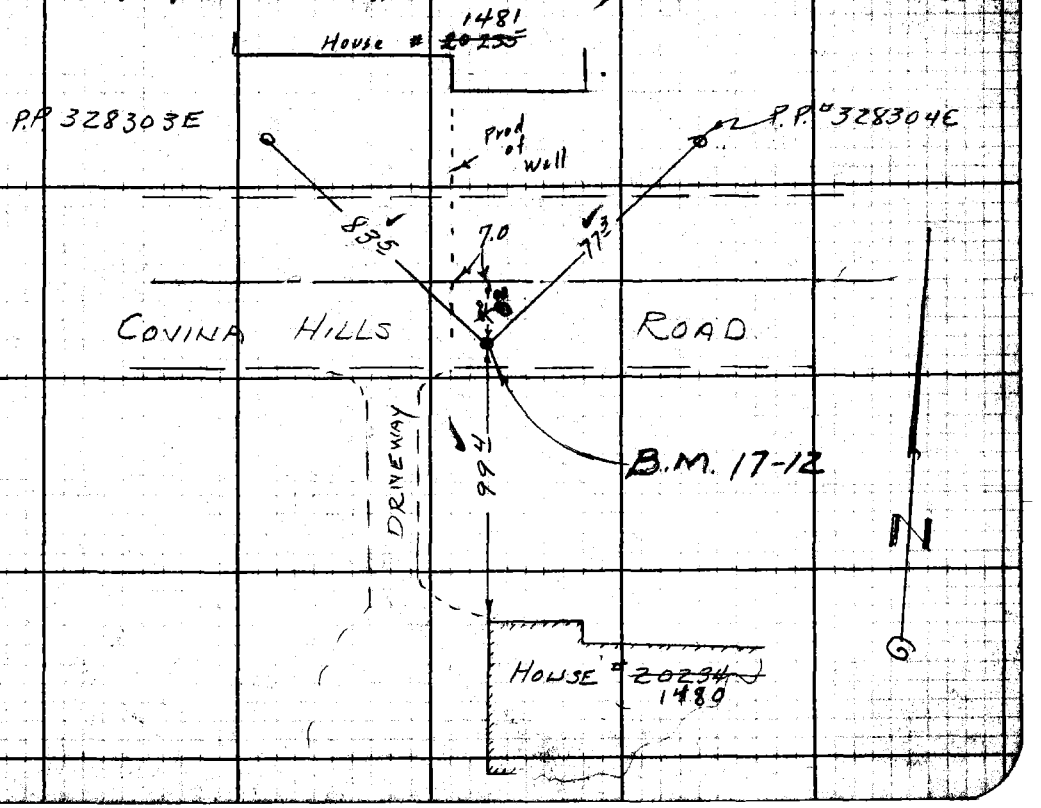
F.B. 1381 Pg. 119

B.M. 17-12

COVINA HILLS ROAD, .35 MILE EAST OF CHAPARRO ROAD, A STANDARD COUNTY SURVEYOR MONUMENT MARKED:- "B.M. 17-12 1952 RE.63" SET IN CONCRETE 12 INCHES BELOW THE SURFACE, 99.4 FT NORTH OF THE N.W. COR AND ON THE NORTHERLY PROLONGATION OF THE WEST SIDE OF HOUSE # 20234 AND 9.0 FT. SOUTH OF THE APPROXIMATE ℄ OF COVINA HILLS ROAD, IN A WELL AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT."

L.A.CO. 1952 ADJ ELEV. = 635.718 ✓

Fd. 4/28/57 Raised HH to level of new St. Pvmt - R.D.M.



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 SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

75F3095 247 2-51

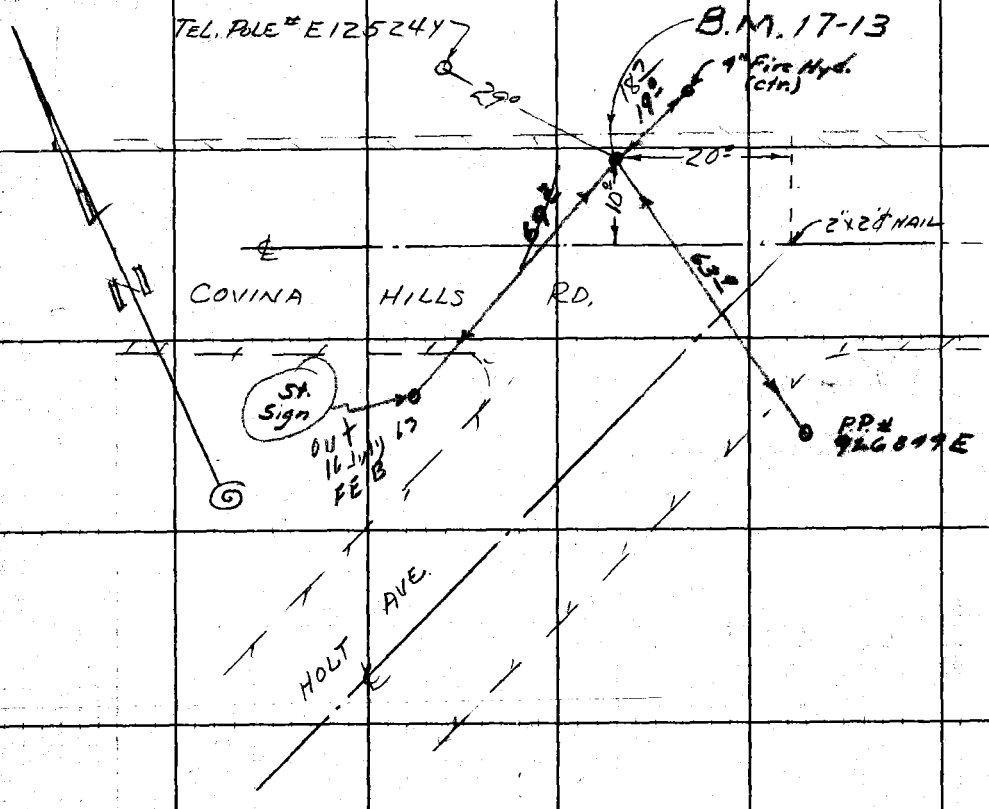
F.B. 1381 PG. 120

B.M. 17-13

COVINA HILLS ROAD, AND HOLT AVE., N.W. COR., A STANDARD COUNTY SURVEYOR MONUMENT MARKED "B.M. 17-13 1952 RE.63" SET IN CONCRETE 12 INCHES BELOW THE SURFACE, 20 FT. WEST OF THE ℄ INTERSECTION AND 10 FT NORTH OF THE ℄ OF COVINA HILLS ROAD IN A WELL AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT

L.A.CO. 1952 ADJ. ELEV. = 652.241'

Fd 4/23/57 Raised HH. to level of new st. pvmt
R.J.M



RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY
ENGINEERING BLDG.

Do not extend notes this side of this line.

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 LACO PRECISE LEVEL NET
Map No.	W. O. 4923 Tape No. St'd. °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes G.E. DREIER Date 6-20-52
Date	Indexed C. Johnson

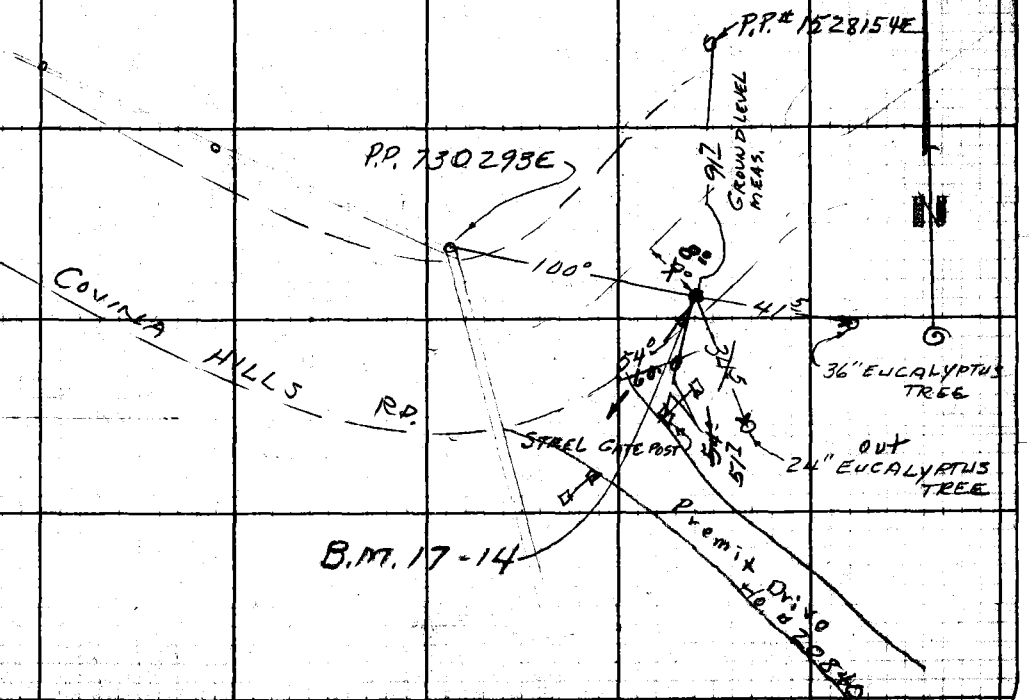
F.B. 1381 Pg. 121

B.M. 17-14

COVINA HILLS ROAD, 4 MILE EAST OF HOLT AVE., A STANDARD 2 1/4" Button COUNTY SURVEYOR MONUMENT SET IN CONCRETE 11 INCHES BELOW THE SURFACE, MARKED "B.M 17-14 1952 R.E. 63", 100 FT EAST OF P. POLE # 730293E (LAST POLE WHERE POWER LINE LEAVES ROAD) 60.0 ft. NE of Center of Premix Drive ~~34.5 FT N'LY FROM A 24" EUCALYPTUS TREE,~~ 41.5 FT W'LY FROM A 36" EUCALYPTUS TREE AND 9 FT S.E'LY FROM CENTER OF PAVEMENT IN A WELL PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT"

L.A. CO. 1952 ADJ. ELEV = 733.529

Fd. 4/28/57 Raised H.H. to level of new St. pvmt. - RJM



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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RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3098 247 2-51

F.B. 1381 PG. 122

B.M. 17-15

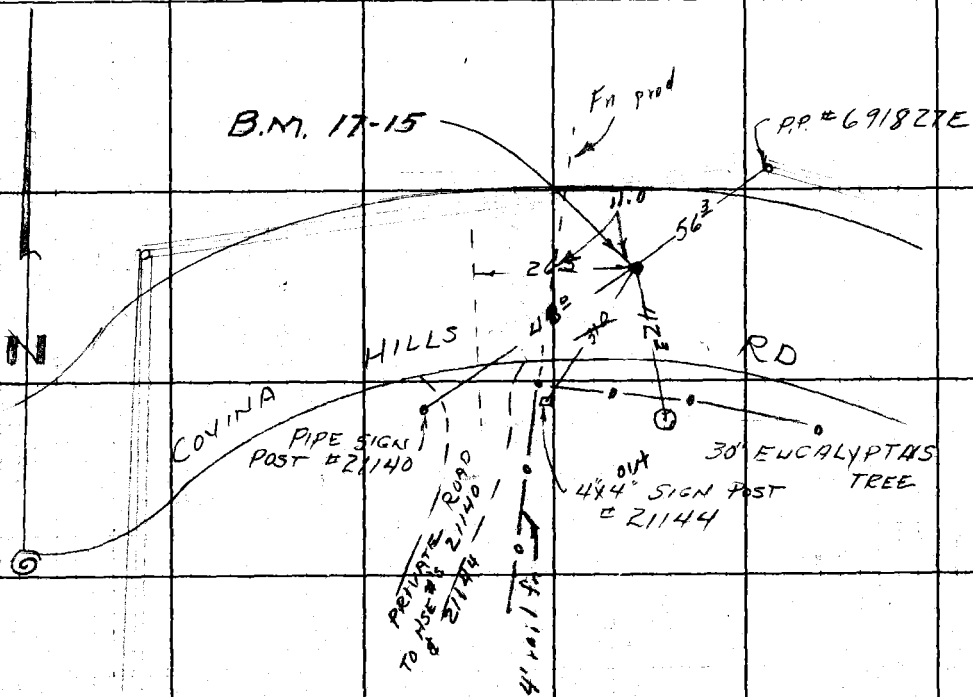
COVINA HILLS ROAD, .8 MILE EAST OF HOLT AVE, A STANDARD 2 1/4" BUTTON COUNTY SURVEYOR MONUMENT MARKED "B.M. 17-15 1952 RE.63" SET IN CONCRETE 12" INCHES BELOW THE SURFACE ON THE CENTER OF PAVEMENT OF COVINA HILLS ROAD AND 26.5 FT. EAST OF CENTER OF PRIVATE ROAD TO HOUSES #'s 21140 AND 21144, 42.3 FT. N.W'LY FROM A 30 INCH EUCALYPTUS TREE, IN A WELL PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT"

FEB 16 July 63

11.0 ft E. of Prod of Rail fn on E. side of Private Rd.

L.A.CO. 1952 ADJ. ELEV= 866.067

Fd 4-19-57 - Raised H.H. to level of new St. pvmt. R.J.M.



RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

Do not extend notes this side of this line.

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

F.B. 1381 Pg. 123

Notes Ck'd By	Survey of L.A.Co. Precise Level Net
Map No.	W.O. 4125 Tape No. Std. °F
Office Work	Surveyed by G.E. Dreier
Checked	Notes G.E. Dreier Date 6-20-52
Date	Indexed C. Johnson

B.M. 17-16

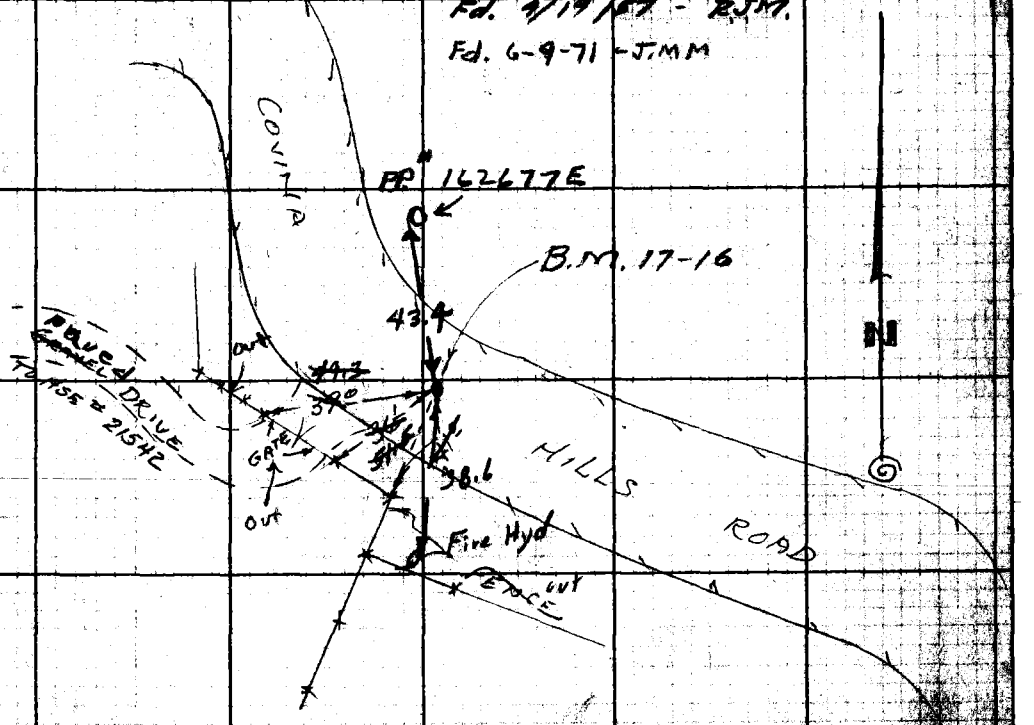
COVINA HILLS ROAD, 0.4 MILE NORTH WEST OF ARROYO AVE, A STANDARD COUNTY SURVEYOR MONUMENT MARKED "B.M. 17-16 1952 RE 63" SET IN CONCRETE 10 INCHES BELOW THE SURFACE ON CENTER OF PAVEMENT AND ON THE N.ELY PROLONGATION OF A WOVEN WIRE FENCE, NEAR THE CENTER OF A GRAVEL DRIVEWAY TO HOUSE No. 21542, ~~41.0~~ 38.6 FT ~~N.E.Ly~~ N.W.Ly FROM ~~FENCE COR.~~ Fire Hyd. AND ~~37.0~~ 49.3 FT FROM W.LY GATE POST AND ~~36.1~~ 51.5 FT FROM E'LY GATE POST IN A WELL PROTECTED BY A CAST IRON COVER MARKED: "COUNTY SURVEYOR MONUMENT."

FFB 18 July 63

L.A.CO. 1952 ADJ. ELEV. 865.789 ✓

Fd. 4/19/57 - R.J.M.

Fd. 6-9-71 - J.M.M



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

Do not extend notes this side of this line.

RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

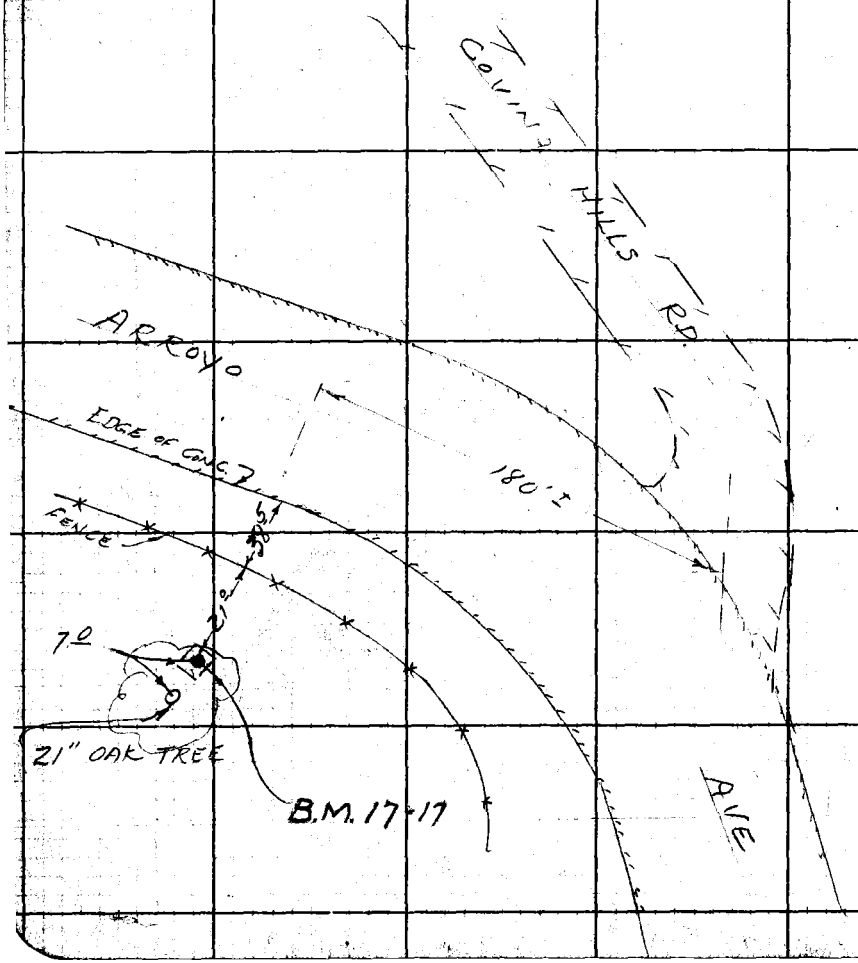
F. B. 1381 PG. 124

B.M. 17-17 (U.S. 368 (5-75-1923))

COVINA, 4.3 MILES SOUTHWEST OF, 7 FT. NORTH OF 18 INCH OAK TREE IN A SMALL DRAW, 21 FT. SOUTH OF BARBED WIRE FENCE ON SOUTH SIDE AND 150 FT. WEST OF SUMMIT OF ROAD (ARROYO AVE.) OVER SAN JOSE HILLS, BRONZE TABLET SET IN CONCRETE AND STAMPED "S 75 1923"

L.A.Co 1952 ADJ. ELEV. = 1005.711

Gone 4/19/57
R.J.M.



RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

Do not extend notes this side of this line.

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

F.B. 1381 Pg. 125

Notes Ck'd by	Survey at L.A. Co. Precise Level Net
Map No.	W.O. Tape No. St'd. °F
Office Work	Surveyed by
Checked	Notes Date 6-20-52
Date	Indexed A. C. Johnson

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 SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

B.M. 17-18

Not recovered 17 July 1962 FEB

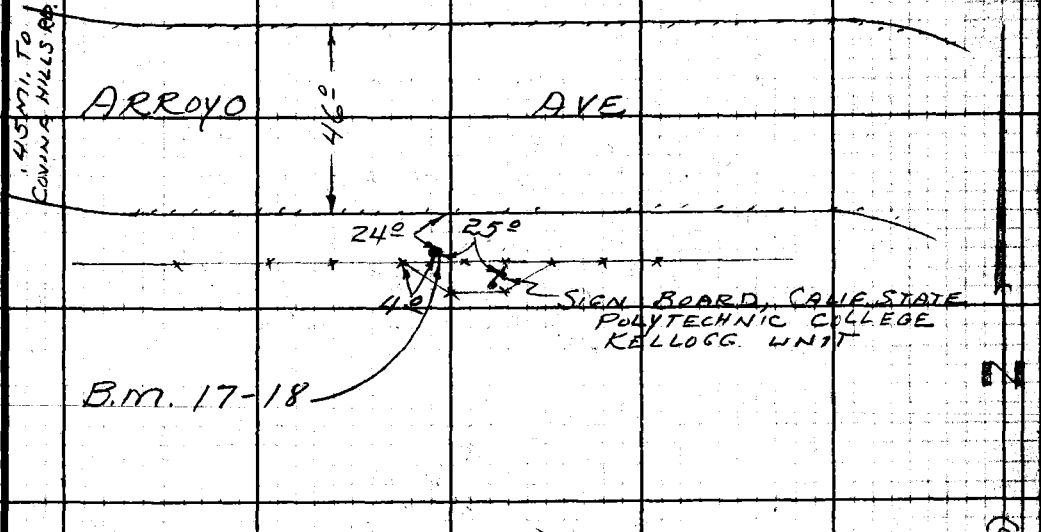
ARROYO AVE., SOUTH SIDE, .45 MILE EAST OF SUMMIT AT COVINA HILLS ROAD, A STANDARD COUNTY SURVEYOR MONUMENT MARKED:- "B.M. 17-18-1952 R.E.63" SET IN CONCRETE 8 INCHES BELOW THE SURFACE, 1.0 FT NORTH OF WOVEN WIRE FENCE AND 24.0 FT SOUTH OF THE SOUTH EDGE OF CONCRETE PAVEMENT, 25 FT. N.W'LY FROM A SIGN BOARD ADVERTISING CALIF. STATE POLYTECHNIC COLLEGE, KELLOGG UNIT

L.A.Co. 1952 ADJ. ELEV. = 900.110

B.M. 17-18A (U.S. 370) SEE F.B. 3711-136

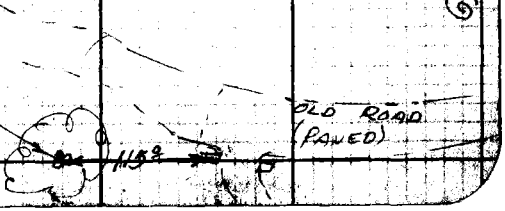
COVINA 4.8 MILES SOUTHEAST OF, ON SOUTH SIDE OF SYCAMORE ROAD, 115 FT. WEST OF GATE, IN ROOT OF LARGE ~~MAPLE~~ TREE, TOP OF SPIKE; MARKED "U.S.B.M. 810.6."

L.A.Co. 1952 ADJ. ELEV. = 810.704



18A
U.S. 370

B.M. 17-18A
Fd. C SPK. IN BASE OF LARGE SYCAMORE TREE



75R3098 247 2-51

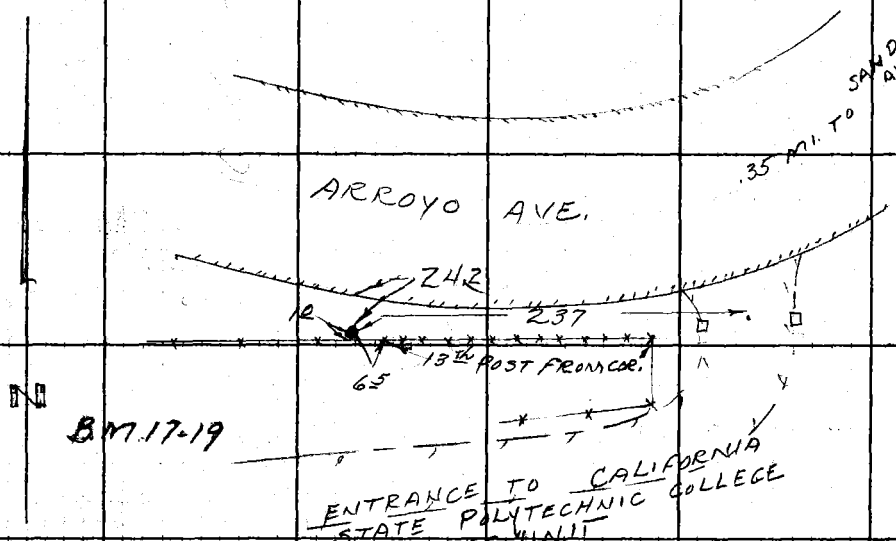
F.B. 1381 PG. 126

B.M. 17-19

ARROYO AVE., SOUTH SIDE, 257± FT. WEST OF ENTRANCE TO CALIFORNIA STATE POLYTECHNIC COLLEGE, KELLOGG UNIT, A STANDARD COUNTY SURVEYOR MONUMENT MARKED "B.M 17-19 1952 RE.63" SET IN CONCRETE 6 INCHES BELOW THE SURFACE 1.0 FT NORTH OF WOVEN WIRE FENCE AND 24.2 FT SOUTH OF SOUTH EDGE OF CONCRETE PAVEMENT, 6.5 FT WEST OF THE 13th POST FROM EAST

L.A. CO. 1952 ADJ. ELEV. = 766.051 ✓

Not Recovered 17 Jan 1963 FEB



RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

13 & 14

F.B. 1284 Pg. 127

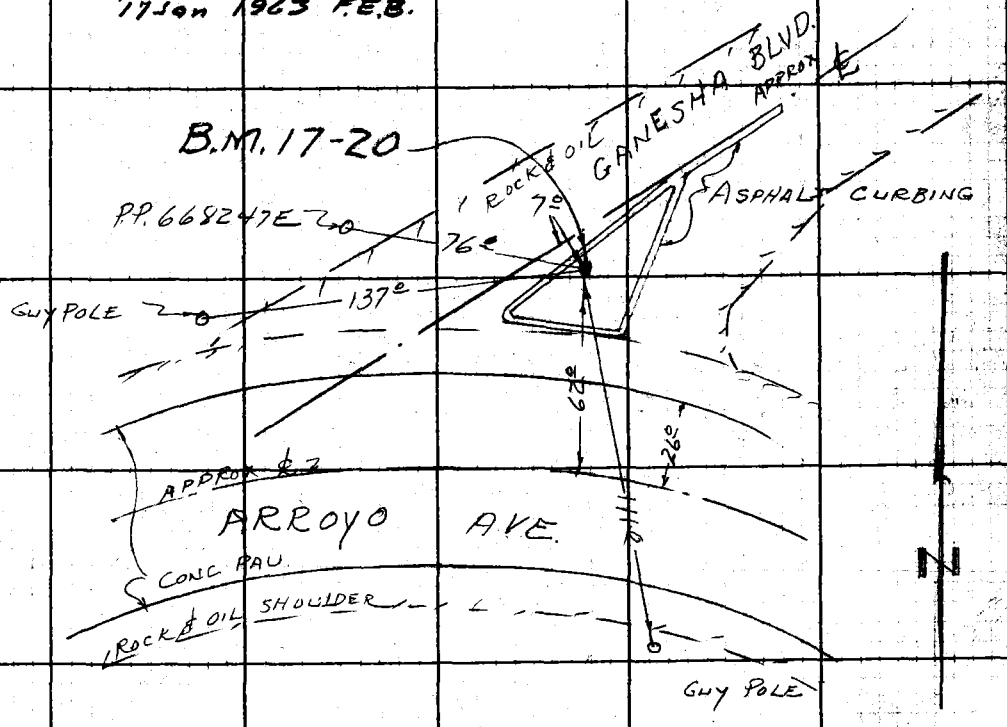
Notes Ck'd by	Survey of L.A. Co. Precise Level Net
Map No.	W. O. 1723 Tape No. St'd. °F
Office Work	Surveyed by S.E. Dreier
Checked	Notes G.E. Dreier Date 6-20-52
Date	Indexed L. C. Johnson

B.M. 17-20

ARROYO AVE AND GANESHA BLVD, A STANDARD COUNTY SURVEYOR MONUMENT MARKED "B.M. 17-20 1952 R.E. 63," SET IN CONCRETE 10 INCHES BELOW THE SURFACE 62.0 FT NORTH OF APPROX ℄ ARROYO AVE AND 7.0 FT SOUTH OF APPROX. ℄ OF GANESHA BLVD IN TRIANGLE FORMED BY ASPHAT CURB, IN A WELL AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT"

L.A. CO. 1952 ADJ. ELEV. = 763.062 ✓

Not Recovered
17 Jan 1963 F.E.B.



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 SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

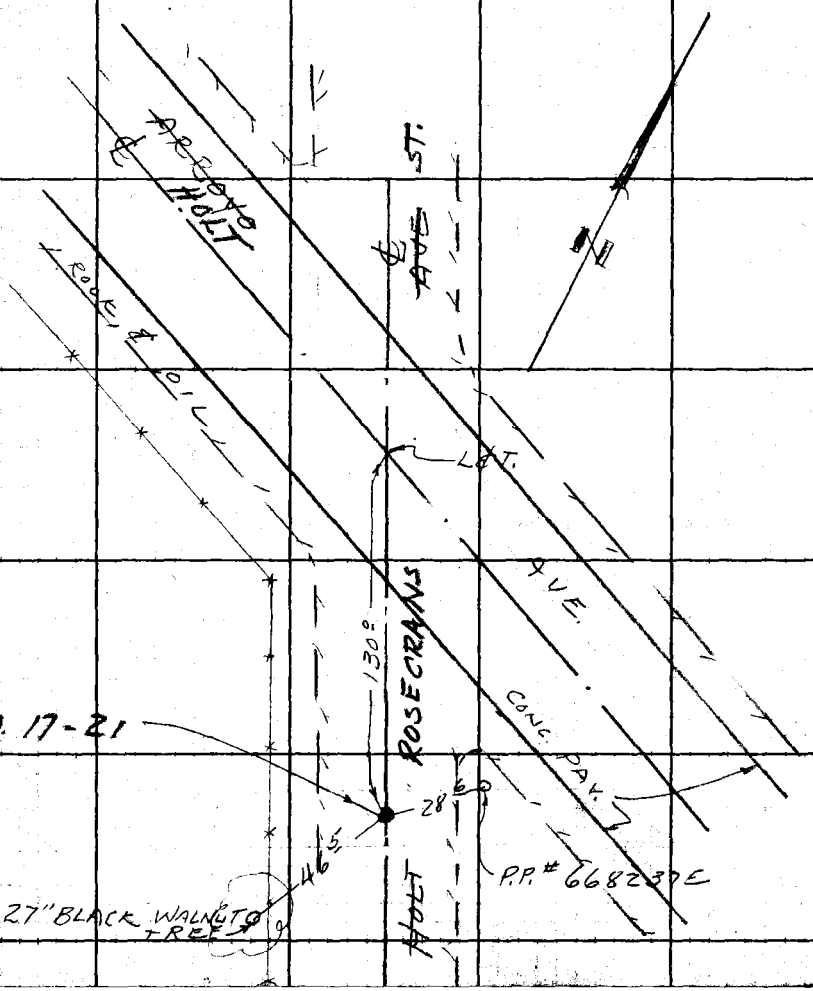
76FS095 247 2-51

F.B. 1381 PG. 128

B.M. 17-21

~~ARROYO~~ HOLT AVE AND ~~HOLT AVE~~ ROSE CRANS 0.4 MILE EAST OF ~~GANESHA BLVD~~ SAN BERNARDINO FRWY, A STANDARD COUNTY SURVEYOR MONUMENT MARKED:- "B.M. 17-21 1952 R.E.63," SET IN CONCRETE 11 INCHES BELOW THE SURFACE 130 FT SOUTH EAST OF A L&T AT INTERSECTION OF ~~ARROYO~~ HOLT AVE AND ~~HOLT AVE~~ ROSECRANS ST., ON APPROXIMATE ℄ OF ~~HOLT AVE~~ ROSECRANS ST. IN A WELL AND PROTECTED BY A CAST IRON COVER MARKED "COUNTY SURVEYOR MONUMENT"

L.A. CO. 1952 ADJ. ELEV. = 768.455'



RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY
ENGINEERING BLDG.

Do not extend notes this side of this line.

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

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHIMODA Time 7:50 - 10:20 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-30 To BM 17-1
Date 7-17-52
Indexed C. Johnson 7-17-52

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
	4823		046		#5	5709		048		B.M. 11-30 (U.S. 27?)
	4777		047			5661		049		GLADSTONE ST. & CITRUS AVE.
	4730		.093			5612		097		SEE F.B. 1376-30
1	14330	4777		.093	66°	16982	5661		097	FOR DESCRIPTION
										↑ E LANDA
	4675		214			6040		210		B.M. 11-29
	4461		212			5830		212		GLADSTONE ST. & CITRUS AVE.
	4249		426			5618		422		SEE F.B. 1376-30
2	13385	4462		.519		17488	5829		.519	FOR DESCRIPTION
	4940		213			6133		213		
	4727		212			5920		212		
	4515		425			5708		425		
3	14182	4727		.944		17761	5920		.944	
	4811		213			5938		215		
	4598		213			5723		211		
	4385		426			5512		426		
4	13794	4598		1370		17173	5724		1370	
		18564					23134			

F.B. 1381 PG. 129

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 9:50 - 10:20 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-30 To B.M. 17-1
Date 7-17-5
Indexed L. C. Johnson

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
	5167	43.747	214	3.582		6524	51.409	211	3.590	BM 17-1
	4953		214			6313		211		CITRUS AVE & ARROW HWY
	4739		428			6102		422		SEE F.B. 1381 110
10	14859	4953		4.010	70°	18939	6313		4.012	FOR DESCRIPTION
										SUMMATION OF RUN BM 11-30 TO BM 17-1
										TOTAL BACKSIGHTS +48.700
										" FORESIGHTS -57.722
										DIFF. IN ELEVATION -9.022
		48.700					57.722			

F.B. 1381 PG. 131

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1381 PG. 132										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 8:50-9:25AM Rod No. 5 & 6

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From BM 17-1 To BM 11-30
Date 7-18-52
Indexed K. C. Johnson

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
	6450		212		#5	5090		214		B.M. 17-1
	6238		213			4876		210		CITRUS AVE & ARROW HWY
	6025		425			4666		424		SEE F.B. 138-110
1	18713	6.238		425	68°	14682	4.877		424	FOR
	5272		214			6403		212		
	5058		213			6191		212		
	4845		427			5979		424		
2	15175	5.058		852		18573	6.191		848	
	4825		214			5675		214		
	4611		212			5461		210		
	4399		426			5251		424		
3	13835	4.612		1278		16387	5.462		1272	
	6428		215			1614		215		
	6213		213			1399		214		
	6000		428			1185		429		
4	18641	6.214		1706		4198	1.399		1701	
	9918		260			6691		259		
	9658		258			6432		259		
	9400		518			6173		518		
5	28976	9.659		2224		19296	6.432		2219	
		31.781					24.361			

F.B. 138 PG. 133

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER
Notes by S. SHINODA
Weather OVERCAST
Time 8:50-9:25 AM
Inst. No. 50010
Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 17-1 To B.M. 11-30
Date 7-18-52
Indexed **A. C. Johnson**

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
	3015	3178	215	2224		5979	2986	211	2219	
	2800		212			5768		213		
	2588		427			5555		424		
6	8403	2801		2651		17302	5767		2643	
	6328		216			5203		212		
	6112		212			4991		211		
	5900		428			4780		423		
7	18340	6113		3079		14974	4991		3066	
	6359		210			5169		214		
	6149		212			4955		215		
	5937		422			4740		429		
8	18445	6148		3501		14864	4955		3495	
	6322		212			4957		214		
	6110		212			4743		210		
	5898		424			4533		424		
9	18330	6110		3925		14233	4744		3919	
										BM 11-29
										CITRUS AVE & GLADSTONE ST
										SEE F.B. 1376-30
										FOR DESCRIPTION
		52.953					44.818			

F.B. 1381 PG. 134

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 8:50-9:25 AM Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 492
From BM 17-1 To BM 11-30
Date 7-18-52
Indexed L. C. Johnson

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
	5745	52.953	048	3.925		4859	44818	048	3.919	BM 11-30 LCS 278
	5697		049			4811		047		CITRUS AVE & GLADSTONE ST
	5648		097			4764		095		SEE F.B. 1370-30
10	17090	5697		4022	70'	14434	4811		4014	FOR DESCRIPTION
										SUMMATION OF RUN BM 17-1 TO BM 11-30
										TOTAL BACKSIGHTS +58.650
										" FORESIGHTS -49.629
										DIFF IN ELEVATION + 9.021
		58.650					49.629			

F.B. 1381 PG. 135

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1381 PG. 136										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 10:30-11:05AM Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-1 To BM 17-2
Date 7-17-5
Indexed A. C. Johnson

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
	3698		211		#5	5392		213		BM 17-1
	3487		211			5179		212		CITRUS AVE & ARROW HWY
	3276		422			4967		425		SEE F.B. 1381-110
1	10461	3.487		422	70°	15538	5.179		425	FOR DESCRIPTION
	3951		215			5968		214		
	3736		216			5754		214		* G.E. DREIER
	3520		431			5540		428		
2	11207	3.736		853		17262	5.754		853	
	4947		213			5813		212		
	4734		213			5601		210		
	4521		426			5391		422		
3	14202	4.734		1279		16805	5.602		1275	
	4574		212			4671		214		
	4362		211			4457		216		
	4151		423			4241		430		
4	13087	4.362		1702		13369	4.456		1705	
	3623		212			2528		212		
	3411		212			2316		212		
	3199		424			2104		424		
5	10233	3.411		2126		6948	2.316		2129	
		19.730					23.307			

F.B. 1381 PG. 137

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 10:30 - 11:05 AM Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-1 To B.M. 17-2
Date 7-17-52
Indexed L. C. JOHNSON

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
	2771	19.730	212	2.126		7559	25.307	212	2.129	
	2559		211			7347		211		
	2348		423			7136		423		
6	7678	2.559		2.549		22042	7.347		2.552	
	4046		213			6043		211		
	3833		211			5832		212		SUMMATION OF RUN
	3622		424			5620		423		B.M. 17-1 TO B.M. 17-2
7	11501	3.834		2.973		17495	5.832		2.975	
	4294		212			5792		213		TOTAL BACKSIGHTS +34.785
	4082		212			5579		211		- FORESIGHTS - 47.540
	3870		424			5368		424		DIFF. IN ELEVATION -12.755
8	12246	4.082		3.397		16739	5.580		3.399	
	4933		254			5731		258		B.M. 17-2
	4579		252			5473		256		CITRUS AVE & COVINA BLVD
	4327		504			5217		514		SEE F.B. 1381-111
9	13739	4.580		3.903	77°	16421	5.474		3.913	FOR DESCRIPTION
		34.785					47.540			

F.B. 1381 PG. 138

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party: G. E. DREIER Weather: OVERCAST Inst. No.: 50010
Notes by: J. SHINODA Time: 8:25-8:50 AM Rod No.: 5 & 6

Name: L. A. CO. PRECISE LEVEL NET
Job No.: 4923
From: BM 17-2 To: BM 17-1
Date: 7-18-53
Indexed: M. C. Johnson

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
	5747		258		#5	4951		256		BM 17-2
	5489		255			4595		255		CITRUS AVE & COVINA BLVD
	5230		517			4340		511		SEE F.B. 1381-111
1	16466	5.489		517	62°	13786	4.595		511	FOR DESCRIPTION
	5823		211			4333		211		
	5612		212			4122		211		⊼ G.E. DREIER
	5400		423			3911		422		
2	16835	5.612		940		12366	4.122		933	
	6101		211			4101		211		
	5890		211			3890		211		
	5679		422			3679		422		
3	17670	5.890		1362		11670	3.890		1355	
	7546		214			2761		211		
	7332		212			2550		212		
	7120		426			2338		423		
4	21998	7.333		1788		7649	2.550		1778	
	3750		213			4844		213		
	3537		213			4631		212		
	3324		426			4419		425		
5.	10611	3.537		2214		13894	4.631		2203	
		27.861					19.788			

F.B. 1381 PG. 139

FORM 379 5M 7-49

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHIMADA Time 8:25-8:40 AM Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 17-2 To B.M. 17-1
Date 7-17-52
Indexed R. O. Johnson

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
	5829	27861	214	2214		5737	19788	212	2203	
	5615		214			5525		212		
	5401		428			5313		424		
6	16845	5615		1642		16575	5525		2627	
	5758		213			4883		212		
	5545		213			4671		211		SUMMATION OF RUN
	5332		426			4460		423		B.M. 17-2 TO B.M. 17-1
7	16635	5545		3068		14014	4671		3050	
	5592		213			3579		217		TOTAL BACKSIGHTS +51.024
	5379		210			3362		217		- FORESIGHTS -38.270
	5169		423			3145		434		DIFF. IN ELEVATION +12.754
8	16140	5380		3451		10086	3362		3484	
	6838		216			5133		210		B.M. 17-1
	6622		212			4923		208		CITRUS AVE. & ARROW HWY
	6410		428			4715		418		SEE F.B. 1381-110
9	19870	6623		3919	68°	14771	4924		3902	FOR DESCRIPTION
		51.024					38.270			

F.B. 1381 PG. 140

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by G. E. DREIER Time 11:15 TO 12:00 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-2 To B.M. 17-2
Date 7-17-52
Indexed E. C. Johnson

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
	4.935		213		#5	5.885		212		B.M. 17-2
	4.722		212			5.673		213		CITRUS AVE & COVINA BLVD
	4.510		425			5.460		425		SEE F.B. 1381-111
1	14.167	4.722		425	77°	17.018	5.673		425	FOR DESCRIPTION
	4.808		210			6.867		214		
	4.598		211			6.653		212		⊼ E. LAND
	4.387		421			6.441		426		
2	13.793	4.598		846		19.961	6.654		851	
	4.620		215			5.762		212		
	4.405		211			5.550		211		
	4.194		426			5.339		423		
3	13.219	4.406		1.272		16.651	5.550		1.274	
	5.270		170			5.100		172		
	5.100		172			4.928		170		
	4.928		342			4.758		342		
4	15.298	5.099		1.614		14.786	4.929		1.616	
	7.022		172			4.570		171		
	6.850		170			4.399		169		
	6.680		342			4.230		340		
5	20.552	6.851		1.956		13.199	4.400		1.956	
		~~25.676~~ 6.81					27.206			

F.B. 1381 PG. 111

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by G. E. DREIER Time 11:15 TO 12:00 Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-2 To B.M. 17-4
Date 7-17-52
Indexed A. C. Johnson

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
		25.676 81		1.956			27.206		1.956	B.M. 17-3 CITRUS AVE & CYPRESS AVE SEE F.B. 1381-112 FOR DESCRIPTION
	5548		209			6.287		217		See also F.B. 2726-220, 222 before destruction by Const. Spriggs & Crowe April, 72
	5339		209			6070		214		
	5130		418			5856		431		
6	16.017	5.339		2.374		18.213	6.071		2.387	
	4740		212			6682		212		
	4528		212			6470		211		
	4316		424			6259		423		
7	13.584	4.528		2.798		19.411	6.470		2.810	
	4472		213			5820		214		
	4259		211			5.606		211		
	4048		424			5395		425		
8	12.779	4.260		3.222		16.821	5.607		3.235	
	3995		213			5911		215		
	3762		210			5.696		214		
	3552		423			5482		428		
9	11.289	3.763		3.645		17.089	5.696		3.664	
		43.566 71					51.050			

F.B. 1381 PG. 142

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by G.E. DREIER Time 1:00 To 1:55PM Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 17-2 To B.M. 17-4
Date 7-17-52
Indexed E. C. Johnson

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
	4.600	43.566 71	212	3.645		6.977	51.050	213	3.664	
	4.388		214			6.764		210		
	4.174		426			6.554		423		
10	13.162	4.387		4.071		20.295	6.765		4.087	
	4.365		218			5.849		210		
	4.147		215			5.639		209		
	3.932		433			5.430		419		
11	12.444	4.148		4.504		16.918	5.639		4.506	
	5.257		212			6.258		211		
	5.045		213			6.047		213		
	4.832		425			5.834		424		
12	15.134	5.045		4.929		18.139	6.046		4.930	
	5.002		214			5.782		217		
	4.788		214			5.565		213		
	4.574		428			5.352		430		
13	14.364	4.788		5.357		16.699	5.566		5.360	
	4.304		209			6.784		214		
	4.095		210			6.570		217		
	3.885		419			6.353		431		
14	12.284	4.095		5.776		19.707	6.569		5.791	
		66.029 34					81.635			

F.B. 1381 PG. 143

FRSH 879 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by G. E. DREIER Time 1:00 TO 1:55 Rod No. 7 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-2 To B.M. 17-4
Date 7-17-52
Indexed A. C. Johnson

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
	4.368	66.027 34	212	5.776		7.178	81.635	211	5.791	
	4.156		209			6.967		212		
	3.947		421			6.755		423		
15	12.471	4.157		6.197		20.900	6.967		6.214	
	4.060		149			4.653		138		
	3.901		146			4.515		137		
	3.755		295			4.378		275		
16	11.706	3.902		6.492		13.546	4.515		6.489	
	5.501		078			0.759		078		B.M. 17-4 (U.S. 280)
	5.423		079			0.681		076		COLLEGE ST. NEAR CITRUS AVE.
	5.344		157			0.605		154		SEE F.B. 1381-113
17	16.268	5.423		6.649		2.045	0.682		6.643	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 17-2 TO B.M. 17-4
										TOTAL BACKSIGHTS +79.516
										TOTAL FORESIGHTS - 93.799
										DIFF. IN ELEVATION -14.283
		79.544 16					93.799			

F.B. 1381 1414

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 1.55 TO 3:15 PM Rod No. 5 & 6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-4 To BM 17-2
Date 7-17-52
Indexed E. G. Johnson

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
	0.728		079		#5	5469		.079		B.M. 17-4 (U.S. 290)
	0.649		.078			5390		.079		COLLEGE ST., NEAR CITRUS AVE
	0.571		157			5311		.158		SEE F.B. 1381-113
1	1.948	0.649		.157	80°	16.170	5.390		.158	FOR DESCRIPTION
	4.498		148			3.883		146		
	4.350		148			3.737		147		TO E. LANDA
	4.202		296			3.590		293		
2	13.050	4.350		.453		11.210	3.737		.451	
	7.178		212			4.365		210		
	6.966		208			4.155		208		
	6.758		420			3.947		418		
3	20.902	6.967		.873		12.467	4.156		.869	
	6.778		216			4.298		210		
	6.562		212			4.088		209		
	6.350		428			3.879		419		
4	19.690	6.563		1.301		12.265	4.088		1.288	
	5.890		215			5.114		213		
	5.675		215			4.898		214		
	5.460		430			4.684		427		
5	17.025	5.675		1.731		14.693	4.898		1.715	
		24.204					22.269			

F.B. 1381 PG. 145

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by G. E. DREIER Time 1:55 TO 3:15 P.M. Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 17-4 To B.M. 17-2
Date 7-17-52
Indexed A. C. Johnson

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
	6.231	24.204	211	1.731		5.237	22.269	215	1.715	
	6.020		209			5.022		212		
	5.811		420			4.810		427		
6	18.062	6.021		2.151		15.069	5.023		2.142	
	5.905		213			4.407		212		
	5.692		211			4.195		210		
	5.481		424			3.985		422		
7	17.078	5.693		2.575		12.587	4.196		2.564	
	6.932		213			4.555		213		
	6.719		211			4.342		212		
	6.508		424			4.130		425		
8	20.159	6.720		2.999		13.027	4.342		2.989	
	5.869		216			3.932		211		
	5.653		213			3.721		211		
	5.440		429			3.510		422		
9	16.962	5.654		3.428		11.163	3.721		3.411	
	5.789		214			4.441		211		
	5.575		214			4.230		211		
	5.361		428			4.019		422		
10	16.725	5.575		3.856		12.690	4.230		3.833	
		53.867					43.781			

F.B. 381 PG. 46

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 1:55 TO 3:10 Rod No. 5&6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-1 To B.M. 17-2
Date 7-17-52
Indexed L.O. Johnson

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
	6.663	53.867	210	3.856		4.732	43.781	219	3.833	
	6.455		207			4.513		219		
	6.248		417			4.294		438		
11	19.368	6.456		4.273		13.539	4.513		4.271	
	6.302		214			5.566		209		
	6.088		216			5.357		209		
	5.872		430			5.148		418		
12	18.262	6.087		4.703		16.071	5.357		4.689	
										B.M. 17-3
		66.410					53.651			CITRUS AVE & CYPRESS AVE, & INTER
										SEE F.B. 1381-112
										FOR DESCRIPTION
	4.438		170			6.883		171		
	4.268		170			6.712		172		
	4.098		340			6.540		343		
13	12.804	4.268		5.043		20.135	6.712		5.032	
	5.050		170			5.223		172		
	4.880		171			5.051		171		
	4.709		341			4.880		343		
14	14.639	4.880		5.384		15.154	5.051		5.375	
		75.558					65.414			

F.B. 1381 PG. 147

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by G. E. DREIER Time 1:55 TO 3:15 Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-4 To B.M. 17-2
Date 7-17-52
Indexed R. C. Johnson

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
	5589	5.558	214	5.384		4442	4.414	213	5.375	
	5375		213			4229		209		
	5162		427			4020		422		
15	16.126	5.375		5.811		12.691	4.230		5.797	
	2040		213			4986		214		
	6827		214			4772		212		
	6613		427			4560		426		
16	20480	6.827		6.238		14.318	4.773		6.223	
	5945		212			5000		215		B.M. 17-2
	5733		208			4785		215		CITRUS AVE. & COVINA BLVD.
	5525		420			4570		430		SEE F.B. 381-111
17	17.203	5.734		6.658	85°	14.355	4.785		6.653	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 17-4 TO B.M. 17-2
										TOTAL BACKSIGHTS + 93.494
										TOTAL FORESIGHTS - 79.202
										DIFF IN ELEVATION + 14.292
		93.494					79.202			

F.B. 381 PG. 48

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G E DREIER Weather OVERCAST Inst. No. 50010
Notes by J SHINODA Time 9:45-10:55AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-4 To BM 17-7
Date 7-18-52
Indexed L. C. Johnson

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
	0774		077		#5	5517		079		BM 17-4 (US 280)
	0697		078			5438		079		COLLEGE ST. NEAR CITRUS AVE
	0619		155			5359		158		SEE F.B. 1381-113
1	2090	0.697		.155	70°	16314	5.438		.158	FOR DESCRIPTION
	3979		162			6137		166		
	3817		163			5971		162		TK G.E. DREIER
	3654		325			5809		328		
2	11450	3.817		.480		17917	5.972		.486	
	5002		123			2089		124		
	4879		122			1965		124		
	4757		245			1841		248		
3	14638	4.879		.725		5895	1.965		.734	
		9.393					13.375			BM 17-5 (US 281)
										CITRUS AVE N OF BROOKLO ST
										SEE F.B. 1381-113
										FOR DESCRIPTION
	2063		123			6002		123		
	1940		120			5879		125		
	1820		243			5754		248		
4	5823	1.941		.968		17635	5.878		.982	
		11.334					19.253			

F.B. 1381 PG. 147

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 9:45-10:55 AM Rod No. 50010

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-4 To B.M. 17-7
Date 7-18-52
Indexed A. C. Johnson

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
	5209	11.334	118	968		2565	19.253	117	982	
	5091		117			2448		119		
	4974		235			2329		234		
5	15274	5.091		1203		7342	2.447		1218	
		16.425					21.700			BM 17-6
										BADILLO ST E. OF CITRUS AVE
										SEE F.B. 1381-113
										FOR DESCRIPTION
	1589		126			4092		123		
	1463		123			3969		125		
	1340		249			3844		248		
6	4392	1.464		1452		11905	3.968		1466	
	7101		214			3818		210		
	6887		214			3608		210		
	6673		428			3398		420		
7	20661	6.887		1880		10824	3.608		1886	
	6729		212			4040		211		
	6517		212			3829		213		
	6305		424			3616		424		
8	19551	6.517		2304		11485	3.828		2310	
		31.293					33.104			

F.B. 1381 PG. 150

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 9:45-10:55 AM Rod No. 5 & 6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-2 To B.M. 17-7
Date 7-18-52
Indexed L. G. Johnson

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
	6697	31.293	210	2.304		4650	33.104	213	2.310	
	6487		213			4437		212		
	6274		423			4225		425		
9	19458	6.486		2.727		13312	4.437		2.735	
	6559		213			4782		212		
	6346		213			4570		211		
	6133		426			4359		423		
10	19038	6.346		3.153		13711	4.570		3.158	
	6672		213			4779		211		
	6459		210			4568		212		
	6249		423			4356		423		
11	19380	6.460		3.576		13703	4.568		3.581	
	6729		214			4724		212		
	6515		212			4512		212		
	6303		426			4300		424		
12	19547	6.516		4.002		13536	4.512		4.005	
	6167		214			4490		212		
	5953		213			4278		210		
	5740		427			4068		422		
13	17860	5.953		4.429		12836	4.279		4.427	
		23.054					55.470			

F.B. 1351 PG. 157

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 9:45-10:55 AM Rod No. 5 & 6

L. A. CO. PRECISE LEVEL NET

Name
Job No. 4923
From B.M. 17-4 To B.M. 17-7
Date 7-18-52
Indexed A. C. Johnson

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
	6916	63.054	214	4.429		4775	55.470	213	4.427	
	6702		212			4562		211		
	6490		426			4351		424		SUMMATION OF RUN
14	20108	6.703		4.855		13688	4.563		4.851	B.M. 17-4 TO B.M. 17-7
	5769		105			5331		104		TOTAL BACKSIGHTS +81.350
	5664		104			5227		105		" FORESIGHTS -71.013
	5560		209			5122		209		DIFF. IN ELEVATION +10.337
15	16993	5.664		5.064		15680	5.227		5.060	
		75.421					65.360			B.M. 17-7A
										BADILLO ST. & BARRANCA ST
										SEE F.B. 1381-114
										FOR DESCRIPTION
	6002		073			5826		073		B.M. 17-7
	5929		072			5753		072		BADILLO ST & BARRANCA ST
	5857		145			5681		145		SEE F.B. 1381-114
16	17788	5.929		5.209	74°	17260	5.753		5.205	FOR DESCRIPTION
		81.350					71.013			

F.B. 1381 PG. 152

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 8:45-9:50AM Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 17-7 To B.M. 17-4
Date 7-21-5[illegible]
Indexed [illegible] C. Johnson

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
	5828		074		#5	6003		072		B.M. 17-7
	5754		072			5931		073		BADILLO ST & BARRANCA ST
	5682		146			5858		145		SEE F.B. 1381-114
1	17264	5755		146	64°	17792	5931		145	FOR DESCRIPTION
										B.M. 17-7A
										BADILLO ST & BARRANCA ST
										SEE F.B. 1381-114
										FOR DESCRIPTION
	5497		105			5923		104		
	5382		104			5819		104		* G.E. DREIER
	5278		209			5715		208		
2	16147	5382		355		17457	5819		353	
	4782		211			6918		213		
	4571		212			6705		213		
	4359		423			6492		426		
3	13712	4571		778		20115	6705		779	
	4452		211			6131		213		
	4241		210			5918		212		
	4031		421			5706		425		
4	12724	4241		1199		17755	5918		1204	
		19929					24373			

F.B. 1381 PG 123

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 8:45-9:50AM Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From BM 17-7 To BM 17-4
Date 7-21-52
Indexed E. C. JOHNSON

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
	4698	9.949	215	1.199		6700	24.373	212	1.204	
	4483		211			6488		214		
	4272		426			6274		426		
5	13453	4.484		1.625		19462	6.487		1.630	
	4790		212			6682		212		
	4578		210			6470		212		
	4368		422			6258		424		
6	13736	4.579		2.047		19410	6.470		2.054	
	4770		213			6539		210		
	4557		212			6329		210		
	4345		425			6119		420		
7	13672	4.557		2.472		18987	6.329		2.474	
	4654		214			6700		211		
	4440		212			6489		211		
	4228		426			6278		422		
8	13322	4.441		2.898		19467	6.489		2.896	
	4025		213			6713		212		
	3812		212			6501		211		
	3600		425			6290		423		
9	11437	3.812		3.323		19504	6.501		3.319	
		41.822					56.649			

F.B. 1381 PG. 154

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:45-9:50 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-7 To B.M. 174
Date 7-21-5
Indexed A. C. Johnson

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
	3837	41.822	213	3.323		7113	56.649	211	3.319	
	5624		213			6902		211		
	3411		426			6691		422		
10.	10872	3.624		3.749		20706	6.902		3.741	
	4496		125			1990		122		
	4371		125			1868		126		
	4246		250			1742		248		
11	13113	4.371		3.999		5600	1.867		3.989	
		49.817					65.418			BM 17-6 (US 282) BADILLO ST. E OF CITRUS AVE SEE F.B. 1381-113 FOR DESCRIPTION
	1781		119			4422		116		
	1662		120			4306		118		
	1542		239			4188		234		
12.	4985	1.662		4.238		12916	4.305		4.223	
	5997		124			2060		122		
	5873		122			1938		123		
	5751		246			1815		245		
13	17621	5.874		4.484		5813	1.938		4.468	
		57.853					71.661			

F.B. 1381 PG. 155

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:45-9:50 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-7 To B.M. 17-4
Date 7-18-52
Indexed A. C. JOHNSON

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
		57.353		4.484			71.661		4.468	B.M. 17-5 (U.S. 281) CITRUS AVE N OF BADILLO ST SEE F.B. 1381-113 FOR DESCRIPTION
	2062		121			4981		123		
	1941		121			4858		125		SUMMATION OF RUN
	1820		242			4733		248		B.M. 17-7 TO B.M. 17-4
14	5823	1.941		4.726		14572	4.857		4.716	
	6108		164			3956		166		TOTAL BACKSIGHTS + 70.649
	5944		162			3790		165		" FORESIGHTS - 80.978
	5782		326			3625		331		DIFF. IN ELEVATION - 10.329
15	17834	5.945		5.052		11371	3.790		5.047	
	5489		079			0749		079		B.M. 17-4 (U.S. 280)
	5410		079			0670		079		COLLEGE ST. E OF CITRUS AVE
	5331		158			0591		158		SEE F.B. 1381-113
16	16230	5.410		5.210	67°	2010	0.670		5.205	FOR DESCRIPTION
		70.649					80.978			

F.B. 1381 PG. 156

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by G.E. DREIER Time 11:00 TO 12:00 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 2923
From B.M. 17-7 To B.M. 17-9
Date 7-18-52
Indexed L. C. Johnson

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
	4401		213		#5	6257		213		B.M. 17-7
	4188		213			6044		214		BADILLO AVE. & BARRANCA
	3975		426			5830		427		SEE F.B. 1381 114
1	12564	4.188		.426	74°	18131	6044		.427	FOR DESCRIPTION
	5592		213			4433		213		
	5379		211			4220		210		A. E. LANDA
	5168		424			4010		423		
2	16139	5.380		.850		12663	4.221		.850	
	5962		212			4312		212		
	5750		211			4100		211		
	5539		423			3889		423		
3	17251	5.750		1.273		12301	4.100		1.273	
	6770		210			4478		216		
	6560		211			4262		212		
	6349		421			4050		428		
4	19679	6.560		1.694		12790	4.263		1.701	
	6862		212			4753		212		
	6650		212			4541		211		
	6438		424			4330		423		
5	19950	6.650		2.118		13624	4.541		2.124	
		28.528					23.169			

F.B. 1381 PG. 157

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party C. E. DREIER Weather CLEAR Inst. No. 50010
Notes by C. E. DREIER Time 11:00 TO 12:00 Rod No. 586

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 17-7 To B.M. 17-9
Date 7-18-52
Indexed A. C. Johnson

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
	5368	28.528	033	2118		4572	23.69	034	2.124	
	5335		32			4538		036		
	5303		065			4502		070		
6	16.006	5.335		2183		13.612	4.537		2.194	
		33.863					27.706			T.P. B.M. BADILLO ST. & MONTE VISTA AVE. N. SIDE. A L.A. CO. ROAD DEPT. BRASS DISK SET IN CONC. AT W. END OF BRIDGE
	5902		244			2556		234		HEADWALL
	5658		245			2322		230		
	5413		489			2092		464		
7	16.973	5.658		2674		6.970	2.323		2.658	
	6565		210			3502		215		
	6355		207			3287		215		
	6148		417			3072		430		
8	19.068	6.356		3089		9.861	3.287		3.088	
	7658		212			2953		213		
	7446		212			2740		211		
	7234		424			2529		424		
9	22.338	7.446		3515		8.222	2.741		3.512	
		53.323					36.057			

F.B. 138 PG. 158

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 11:00 TO 12:00 Rod No. SEC

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-7 To B.M. 17-9
Date 7-18-52
Indexed E. C. Johnson

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
	8.046	53.323	214	3.518 3		2383	36.057	215	3.512	
	7.832		212			2168		215		
	7.620		420	39		1953		430		
10	23.498	7.833		3.942		6.504	2.168		3.942	
	7.370		146			4.399		144		B.M. 17-8
	7.224		144			4.255		145		BADILLO ST & GRAND AVE.
	7.080		290	25		4.110		289		SEE F.B. 1381-115
11	21.674	7.225		4.233	84°	12.764	4.255		4.231	FOR DESCRIPTION
		68.381					42.480			
	6.720		022			5.850		022		
	6.698		024			5.828		021		
	6.674		046	5		5.807		043		
12	20.092	6.697		4.277		17.485	5.828		4.274	
										B.M. 17-8A (W.S. 363) BADILLO ST & GRAND AVE SEE F.B. 1381-115 FOR DESCRIPTION (NOTE:- CURB IN POOR CONDITION THIS B.M. HAS SET ED
		75.078					48.308			

F.B. 1381 PG. 159

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 56010
Notes by G. E. DREIER Time 1:00 TO 2:00 Rod No. 5#6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 17-7 To B.M. 17-9
Date 7-18-52
Indexed E. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod end Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6.364	75.078	191	4.277		4.638	4.308	208	4.274	
	6.173		190	5		4.430		205		
	5.983		381			4.225		413		
13	18.520	6.173		4.658		13.293	4.431		4.687	
	6.602		222			4.140		203		
	6.380		220			3.937		205		
	6.160		442			3.732		408		
14	19.142	6.381		5.490		11.809	5.236		5.095	
	6.359		213			3.902		212		SUMMATION OF RUN
	6.146		213			3.690		212		B.M. 17-7 TO B.M. 17-9
	5.933		426			3.478		424		
15	18.438	6.146		5.526		11.070	3.690		5.519	TOTAL BACKSIGHTS +104.130
	5.931		165			5.518		166		TOTAL FORESIGHTS -72.969
	5.766		164			5.352		167		DIFF. IN ELEVATION +31.161
	5.602		329			5.185		333		
16	17.299	5.766		5.855		16.055	5.352		5.852	
	4.752		167			7.418		166		B.M. 17-9
	4.585		165			7.252		165		PUENTE ST. & GRAND AVE.
	4.420		332			7.087		331		SEE F.B. 1381-116
17	13.757	4.586		6.187	90°	21.757	7.252		6.183	FOR DESCRIPTION
		104.135					72.969			

F.B. 1381 PG. 160

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party: G.E. DREIER Weather: HAZY Inst. No.: 50010
Notes by: G.E. DREIER Time: 2:00 TO Rod No.: 5 & 6

Name: **L. A. CO. PRECISE LEVEL NET**
Job No.: 4923
From: BM 17-9 To: BM 17-7
Date: 7-18-52
Indexed: E. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	7.282		164		#5	4.610		166		B.M. 17-9
	7.118		166			4.444		164		PUENTE ST & GRAND AVE
	6.952		330			4.280		330		SEE F.B. 1381-116
1	21.352	7.117		330	90°	13.334	4.445		330	FOR DESCRIPTION
	5.507		168			5.921		165		
	5.339		165			5.756		166		TE. LANDA
	5.174		333			5.590		331		
2	16.020	5.340		663		17.267	5.756		661	
	3.907		214			6.355		213		
	3.693		213			6.142		213		
	3.480		427			5.929		426		
3	11.080	3.693		1.090		18.426	6.142		1.087	
	4.083		212			6.532		212		
	3.871		211			6.320		211		
	3.660		423			6.109		423		
4	11.614	3.871		1.513		18.961	6.320		1.510	
	4.608		198			6.343		198		
	4.402		194			6.145		198		
	4.208		392			5.947		396		
5	13.210	4.403		1.905		18.435	6.145		1.906	
		24.424					28.808			

F.B. 1381 PG. 61

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by G. E. DREIER Time 2:00 PM Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-9 To B.M. 17-7
Date 7-18-52
Indexed A. C. Johnson

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
		24.424		1.905			28.868		1.906	B.M. 17-8.9 (U.S. 363) BADILLO ST & GRAND AVE SEE F.B. 1381-115 FOR DESCRIPTION
	5895		023			6.766		022		
	5.872		021			6.744		022		
	5851		044			6722		044		
6	17.618	5.873		1.949		20.232	6.744		1.950	
		30.297					35.552			B.M. 17-8 BADILLO ST & GRAND AVE. SEE F.B. 1381-115 FOR DESCRIPTION
	4412		144			7.381		146		
	4268		143			7.235		145		
	4125		287			7090		291		
7	12.805	4268		2.236		21.706	7.235		2.241	
	2.439		217			8098		216		
	2.222		215			7.882		214		
	2.007		432			7668		430		
8	6.668	2.223		2.668		23.648	7.883		2.671	
		36.788					50.670			

F.B. 1381 PG. 162

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by C. E. DREIER Time 2:00 P.M. Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-9 To B.M. 17-7
Date 7-18-52
Indexed L. C. Johnson

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
	3.005	36.788	215	2.668		7.703	50.670	215	2.671	
	2.790		212			7.488		213		
	2.578		427			7.275		428		
9	8.373	2.791		3.095		22.466	7.489		3.099	
	3.625		215			6.889		216		
	3.410		212			6.673		213		
	3.198		427			6.260		428		
10	10.233	3.411		3.522		19.422	6.474		3.528	
	2.455		237			5.789		239		
	2.218		238			5.550		239		
	1.980		475			5.311		478		
11	6.653	2.218		3.997		16.650	5.550		4.066	
		45.208					70.183			T.P.B.M. BADILLO ST AND MONTE VISTA AVE., N. SIDE, A L.A.CO. ROAD DEPT. BRASS DISK IN W. END OF BRIDGE HEAD WALL
	3.781		206			6.665		191		
	3.575		204			6.474		187		
	3.371		410			6.287		378		
12	10.727	3.576		4.407		19.426	6.475		4.384	
		48.784					76.658			

F.B. 321 PG. 163

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by G.E. DREIER Time 2:00 TO 3:00 Rod No. 586

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-9 To B.M. 17-7
Date 7-18-52
Indexed A. C. Johnson

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
	4.560	4.784	212	4.407		6.859	7.658	217	4.384	Summation of run
	4.348		210			6.642		213		B.M. 17-9 to B.M. 17-7
	4.138		422			6.429		430		
13	13.046	4.349		4.829		19.930	6.643		4.814	Total Backsight + 67.516
	4.291		212			5.940		216		Total Foresight - 98.623
	4.079		209			5.724		213		Diff in Elevation - 31.107
	3.870		421			5.511		429		
14	12.240	4.080		5.250		17.175	5.725		5.243	DIFF IN ELEVATION - 31.107
	4.459		210			5.620		217		
	4.249		211			5.403		214		
	4.038		421			5.189		431		
15	12.746	4.249		5.671		16.212	5.404		5.674	
	6.267		214			4.408		216		B.M. 17-7
	6.053		210			4.192		212		BADILLO ST. & BARRANCA
	5.843		424			3.980		428		SEE F.B. 1381-114
16	18.163	6.054		6.095	90°	12.580	4.193		6.102	FOR DESCRIPTION
		67.516					98.623			

F.B. 1381 PG. 164

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 10:35-11:45 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-7 To B.M. 17-9
Date 7-21-5
Indexed E. O. Johnson

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
	4579		208		#5	6448		218		BM 17-7
	4371		208			6230		219		BADILLO ST & BARRANCA ST
	4163		416			6011		437		SEE F.B. 1381-14
1.	13113	4371		416	80°	18689	6230		437	FOR DESCRIPTION
	5583		213			4425		212		
	5370		209			4213		213		⊼ E. LANDA
	5161		422			4000		425		
2	16114	5371		838		12638	4213		862	
	5907		217			4252		210		
	5690		215			4042		207		
	5475		432			3835		427		
3	17072	5.691		1.270		12129	4.043		1.289	
	6805		215			4503		210		
	6590		212			4293		209		
	6378		427			4084		419		
4	19773	6.591		1.697		12880	4.293		1.708	
	6671		193			3773		201		
	6478		190			3572		200		
	6288		383			3372		401		
5	19437	6.479		2.080		10717	3.572		2.809	
		28.503					22.351			

F.B. 1381 PG. 165

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 10:35-11:45 AM Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-7 To B.M. 17-9
Date 7-21-52
Indexed A. C. Johnson

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
		28.503		2080			22.351		2109 09	T.P. BM L.A. Co. Rd. Dept. Badillo St & Monte Vista Ave N. Side, a brass disk set in conc at W end of bridge headwall
	5975		247			2622		230		
	5728		246			2392		231		
	5482		493			2161		461		
6	17185	5728		2573		7175	2392		2570 6	
	6500		214			3432		213		
	6286		213			3219		211		
	6073		427			3008		424		
7	18859	6286		3,000		9659	3220		2994 8	
	7705		213			3000		210		
	7492		212			2790		212		
	7280		425			2578		422		
8	22477	7492		3425		8368	2789		3416 0	
	8090		212			2432		215		
	7878		214			2217		215		
	7664		426			2002		430		
9	23632	7877		3,851		6651	2217		3846 3	
		55.886					32.969			

F.B. 1381 PG. 166

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 10:35-11:45 AM Rod No. 5 #6

Name L. A. CO PRECISE LEVEL NET
Job No. 4923
From B.M. 17-7 To B.M. 17-9
Date 7-21-52
Indexed C. Johnson

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
	7398	55.886	147	3.851		4430	32.569	145	3.846	
	7251		143			4285		143	31	
	7108		290			4142		288		
10	21757	7.252		4141		12857	4.286		4134	
		63.138					37.255			B.M. 17-8
										BADILLO ST. & GRAND AVE.
										SEE F.B. 1381 115
										FOR DESCRIPTION
	6786		023			5913		022		
	6763		022			5891		022		
	6741		045			5869		044		
11	20290	6.763		4186		17673	5.891		4178	
		69.901					43.146			B.M. 17-8A (U.S. 3C9)
										BADILLO ST & GRAND AVE
										SEE F.B. 1381-115
										FOR DESCRIPTION
	6352		200			4612		198		
	6152		200			4414		194		
	5952		400			4220		392		
12	18456	6.152		4586		13246	4.415		4570	
		76.053					47.561			

F.B. 1381 PG. 167

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 10:35-11:45 AM Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-7 To B.M. 17-9
Date 7-21-52
Indexed A. C. Johnson

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
	6525	76.053	214	4586		4075	47.561	213	4570	
	6311		211			3862		212		
	6100		4251			3650		425		
13	18936	6.312		5011		11587	3.862		4995	
	6333		213			3890		218		
	6120		210			3672		214		SUMMATION OF RUN
	5910		423			3458		432		B.M. 17-7 TO B.M. 17-9
14	18363	6.121		5434		11020	3.673		5427	
	5918		165			5500		169		TOTAL BACKSIGHTS +98.667
	5753		163			5331		173		" FORESIGHTS -67.526
	5590		328			5158		342		DIFF. IN ELEVATION +31.141
15	17261	5.754		5762		15989	5.330		5769	
	4592		165			7265		165		B.M. 17-9
	4427		166			7100		166		PUENTE ST. & GRAND AVE.
	4261		331			6934		331		SEE F.B. 1381-116
16	13280	4.427		6093	88°	21299	7.100		6780	FOR DESCRIPTION
		98.667					67.526			

F.B. 1381 PG. 168

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:25-2:10 PM Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 17-8 To B.M. 17-7
Date 7-21-52
Indexed E. C. Johnson

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
	4244		143		#5	7211		143		BM 17-8
	4101		141			7068		140		BADILLO ST & GRAND AVE
	3960		284			6922		289		SEE FB 1381-115
1	12305	4.102		.284	95°	21201	7.067		.289	FOR DESCRIPTION
	1408		216			8067		214		
	2192		214			7853		211		TH E LANDA
	1978		430			7642		425		
2	6578	2.193		.714		23562	7.854		.714	
	2998		216			7693		213		
	2782		212			7480		210		
	2570		428			7270		423		
3	8350	2.783		1.142		22443	7.481		1.137	
	3678		214			6740		212		
	3464		211			6528		215		
	3253		425			6313		427		
4	10395	3.465		1.567		19581	6.527		1.564	
	2677		235			6010		238		TP BM L.A.C. RD DEPT
	2442		239			5772		235		BADILLO ST & MONTEREY VISTA AVE
	2203		474			5537		473		N. SIDE, A BRASS DISK SET IN CONC
5	7322	2.441		2.041		17319	5.773		2.037	AT W END OF BRIDGE BREADWALL
		14.984					34.702			

F.B. 1381 PG. 169

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 1:25-2:10 P.M. Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-8 To B.M. 17-7
Date 7-21-52
Indexed E. C. Johnson

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
	3777	14984	201	2041		6620	34702	195	2037	
	3575		200			6475		193		
	3375		402			6282		388		
6	10727	3576		2443		19427	6476		2425	
	4505		213			6803		213		
	4292		209			6590		215		
	4083		422			6375		428		
7	12880	4293		2865		19768	6589		2853	
	4201		213			5847		214		
	3988		211			5633		211		SUMMATION OF RUN
	3777		424			5422		425		BM 17-8 TO BM 17-7
8	11966	3989		3289		16902	5634		3278	
	4372		211			5530		211		TOTAL BACKSIGHTS +37.023
	4161		212			5319		211		" FORESIGHTS −62.878
	3949		423			5108		422		DIFF. IN ELEVATION −25.855
9	12482	4161		3712		15957	5319		3700	
	6228		209			4369		212		BM 17-7
	6019		207			4157		210		BADILLO ST & BARRANCA ST
	5812		416			3947		422		SEE F.B. 1381 - 114
10	18059	6020		4128	96°	12473	4158		4122	FOR DESCRIPTION
		37.023					62.878			

F.B. 1381 PG. 170

FORM 979 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 2:20-3:00 PM Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-7 To BM 17-P
Date 7-21-52
Indexed L. C. Johnson

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
	4465		212		45	6316		208		BM 17-7
	4253		212			6108		204		BADILLO ST & BARRANCA ST
	4041		424			5904		412		SEE F.B. 1381-114
1.	12759	4253		424	96°	18328	6.109		.412	FOR DESCRIPTION
	5431		212			4272		212		
	5219		210			4060		212		⊼ G.E. DREIER
	5009		424			3848		424		
2.	15659	5.220		.846		12180	4.060		.836	
	5872		212			4227		214		
	5660		211			4013		211		
	5449		423			3802		425		
3.	16981	5.660		1.269		12042	4.014		1.261	
	6813		211			4520		214		
	6602		211			4306		213		
	6391		422			4093		427		
4	19806	6.602		1.691		12919	4.306		1.688	
	6712		192			3820		200		T.P. BM L.A. CO. RD. DEPT
	6520		191			3620		198		BADILLO ST & MONTE VISTA AVE
	6329		383			3422		398		N SIDE. BRASS DISK IN W END
5.	19561	6.520		2.074		10962	3.620		2.086	OF CONC. BRIDGE BREADWALL
		28.255					22.109			

F.B. 1381 PG. 127

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 2:20-3:00 P.M. Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 17-7 To B.M. 17-8
Date 7-21-52
Indexed **A. C. Johnson**

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
	5463	28.255	240	2074		2128	2.109 10	236	2086	
	5223		236			1892		234		
	4987		476			1658		470		
6	15673	5.224		2550		5678	1.893		2556	
	5879		213			2814		212		
	5666		213			2602		211		
	5453		426			2391		425		
7	16998	5.666		2976		7807	2.602		2979	
	7552		212			2857		214		
	7340		211			2643		212		SUMMATION OF RUN
	7129		423			2431		426		B.M. 17-7 TO B.M. 17-8
8	22021	7.340		3399		7931	2.644		3405	
	7798		214			2142		214		TOTAL BACKSIGHTS +61.209
	7584		212			1928		214		FORESIGHTS −35.350
	7372		426			1714		428		DIFF. IN ELEVATION +25.859
9	22754	7.585		3825		5784	1.928		3833	
	7282		143			4319		146		B.M. 17-8
	7139		142			4173		142		RADILLO ST & GRAND AVE
	6997		285			4031		288		SEE F.B. 1381-115
10	21418	7.139		4110	98°	12523	4.174		4121	FOR DESCRIPTION
		61.209					35.350			

F.B. 1381 PG. 172

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 3:10-3:50 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-8 To BM 17-7
Date 7-21-52
Indexed E. C. Johnson

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
	4321		144		#5	7285		143		B.M 17-8
	4177		144			7142		144		BADILLO ST & GRAND AVE
	4033		288			6998		287		SEE F.B 1381-115
1	12531	4.177		288	95°	21425	7.142		287	FOR DESCRIPTION
	2270		214			7929		212		
	2056		215			7717		212		TO G.E. DREIER
	1841		429			7505		424		
2	6167	2.056		717		23151	7.717		711	
	2961		210			7661		212		
	2751		212			7449		212		
	2539		422			7237		424		
3	8251	2.750		1.139		22347	7.449		1.135	
	3292		212			6355		212		
	3080		212			6143		212		
	2868		424			5931		424		
4	9240	3.080		1.563		18429	6.143		1.559	
	2578		233			5918		241		T.P BM. L.A.C. RD DEPT
	2345		232			5677		241		BADILLO ST & MONTE VISTA AVE
	2113		465			5436		482		N. SIDE, BRASS DISK IN W END
5	7036	2.345		2.028		17031	5.677		2.041	OF CONC BRIDGE HEADWALL
		14.408					34.128			

F.B. 1381 PG. 173

FORM 879 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by J. SHINODA Time 3:10-3:50 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4523
From BM 17-8 To BM 17-7
Date 7-21-52
Indexed L. C. Johnson

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
	3304	1440	202	2.028		6189	3128	190	1.041	
	3099		202			5999		189		
	2897		402			5810		379		
6	9297	3.099	4	2.430		17998	5999		1.420	
	4048		216			6338		210		
	3832		212			6128		210		
	3620		428			5918		420		
7	11500	3.833		2.858		18384	6128		1.840	
	4265		212			5910		211		
	4053		211			5699		212		SUMMATION OF RUN
	3842		423			5487		423		BM 17-8 TO BM 17-7
8	12160	4.053		3.281		17096	5699		3.263	
	4280		212			5435		213		TOTAL BACKSIGHTS +35.659
	4068		213			5222		210		" FORESIGHTS −61.414
	3855		425			5012		423		DIFF IN ELEVATION −25.855
9	12203	4.068		3.706		15669	5.223		3.686	
	6302		203			4447		211		B.M. 17-7
	6099		205			4236		208		BADILLO ST. & BARRANCA ST.
	5894		408			4028		419		SEE F.B. 1381-114
10	18295	6.098		4.114	92°	12711	4.237		4.105	FOR DESCRIPTION
		35.559					61.414			

F.B. 1381 PG. 74

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather PART CLOUDY Inst. No. 50010
Notes by G. E. DREIER Time 10:30 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4925
From BM 17-9 To BM 17-11
Date 7-24-52
Indexed E. C. Johnson

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
	5200		210		#5	6322		212		B.M. 17-9
	4990		211			6110		211		GRAND AVE & PLENTE
	4779		421			5899		423		SEE F.B. 1381-116 FOR
1	14969	4990		421	83	18331	6110		423	DESCRIPTION
	3179		213			6477		215		
	2966		213			6262		213		⊼ E. LANDA
	2753		426			6049		428		
2	8898	2966		847		18788	6263		851	
	3387		215			6423		213		
	3172		212			6210		212		
	2960		427			5998		425		
3	9519	3173		1274		18631	6210		1276	
	3429		214			7467		215		
	3215		213			7252		212		
	3002		427			7040		427		
4	9646	3215		1701		21759	7253		1703	
	4109		121			5962		118		
	3988		120			5844		117		
	3868		241			5727		235		
5	11965	3988		1942		17533	5844		1938	
		18332					31680			

F.B. 1381 PG. 175

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather PART CLOUDY Inst. No. 50010
Notes by G. E. DREIER Time 10:30 TO Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4932
From B.M. 17-9 To B.M. 17-11
Date 7-24-52
Indexed A. C. Johnson

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
		18.332		1.942			31.680		1.938	B.M. 17-10
										GRAND AVE & COVINA HILLS Rd
										SEE F.B. 1381 -
										FOR DESCRIPTION
	2261		182			10.822		183		
	2079		182			10.639		185		
	1897		364			10.454		368		
6	6.237	2.079		2.306		31.915	10.638		2.306	
	0.953		133			10.443		132		
	0.820		130			10.311		131		
	0.690		263			10180		263		
7	2.463	0.821		2.569		30.934	10.311		2.569	
	0.520		123			9.161		140		
	0.397		125			9.021		138		
	0.272		248			8.883		278		
8	1.189	0.396		2.817		27.065	9.022		2.847	
	0.549		146			12.008		127		
	0.403		142			11.881		127		
	0.261		288			11.754		254		
9	1.213	0.404		3.105		35.643	11.881		3.101	
		22.032					73.532			

F.B. 1381 PG. 176

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather PART CLOUDY Inst. No. 50010
Notes by G.E. DREIER Time 10:30 TO Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4925
From BM 17-9 To BM 17-11
Date 7-24-52
Indexed L. C. Johnson

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
	0695	22.032	066	3.105		9.223	13.532	068	3.101	
	0.629		067			9.155		068		
	0561		133			9.087		136		
10	1.885	0.628		3.238		27.465	9.155		3.237	
	0728		132			8.419		132		
	0596		131			8.287		132		
	0465		263			8.155		264		
11	1.789	0.596		3.501		24.861	8.287		3.501	
	2.962		204			6.501		203		
	2.758		206			6.298		205		
	2.552		410			6.093		408		
12	8.272	2.757		3.914		18.892	6.297		3.909	
	5551		211			4.678		215		
	5340		210			4463		213		
	5130		421			4250		428		
13	16.021	5.340		4.332		13.391	4.464		4.337	
	6084		218			3.770		220		
	5866		218			3.550		220		
	5648		436			3.330		440		
14	17.598	5.866		4.768		10.650	3.550		4.777	
		37.219					105.285			

F.B. 1321 PG. 177

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather PART CLOUDY Inst. No. 5.0010
Notes by G.E. DREIER Time 10:30 TO 11:50 Rod No. E.E.6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 17-9 To B.M. 17-11
Date 7-24-52
Indexed A. C. JOHNSON

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
	6.401	37.219	212	4.768		3.230	105.285	216	4.777	
	6.189		211			3.014		212		
	5.978		423			2.802		428		
15	18.568	6.189		5.197		9.046	3.015		5.205	
	9.503		212			5.608		225		
	9.291		212			5.383		221		
	9.079		424			5.162		446		
16	27.873	9.291		5.615		16.153	5.384		5.651	
	2.471		208			5.470		197		B.M. 17-11
	2.263		207			5.273		193		COVINA HILLS RD. & CHAPARRO
	2.056		415			5.080		390		SEE F.B. 1381-118
17	6.790	2.263		6.036	97°	15.823	5.274		6.041	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 17-9 TO B.M. 17-11
										TOTAL BACKSIGHTS + 54.962
										TOTAL FORESIGHTS - 118.958
										DIFF IN ELEVATION - 63.996
		54.962					118.958			

F.B. 1381 PG. 178

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather PART CLOUDY Inst. No. 50010
Notes by G.E. DREIER Time 1:00 - 3:15 P.M. Rod No. 5 & 6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-11 To BM 17-9
Date 7-24-52
Indexed K.C. Johnson

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
	5.200		202		#5	2188		206		BM. 17-11
	4.998		201			1.982		202		COVINA HILLS RD. & CHAPARRO RD
	4.797		403			1780		408		SEE F.B. 1381 - 118
1	14.995	4.998		403	99°	5.950	1.983		408	FOR DESCRIPTION
	5699		221			9.600		212		
	5.478		222			9.388		213		T. E. LANDA
	5256		443			9.175		425		
2	16.433	5.478		846		28.163	9.388		833	
	3.391		211			6560		212		
	3.180		212			6.348		216		
	2.968		423			6.132		428		
3	9.539	3180		1269		19.040	6.347		1261	
	3729		219			6048		222		
	3.510		218			5.826		219		
	3.292		437			5607		441		
4	10.531	3.510		1.706		17.481	5.822		1702	
	4576		216			5442		212		
	4360		212			5230		210		
	4148		428			5020		422		
5	13.084	4.361		2134		15692	5.231		2124	
		21.527					28.776			

F.B. 1381 PG. 172

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party C. E. DREIER Weather HAZY-WINDY Inst. No. 50010
Notes by C. E. DREIER Time 1:00 TO 3:15 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M 17-11 To B.M 17-9
Date 7-24-58 E. O. Johnson
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6578	21.527	206	2.134		3.037	28.776	205	2.124	
	6.372		203			2.832		202		
	6169		409			2630		407		
6	19.119	6.373		2.543		8.499	2.833		2.531	
	8.387		132			0.691		131		
	8.255		131			0.560		132		
	8124		263			0.428		263		
7	24.766	8.255		2.806		1.679	0.560		2.794	
	8.964		065			0.442		070		
	8.899		067			0.372		069		
	8832		132			0.303		139		
8	26.695	8.898		2.938		1.117	0.372		2.933	
	11.952		124			0.491		144		
	11.328		127			0.347		145		
	11.701		251			0.202		289		
9	35.481	11.827		3.189		1.040	0.347		3.222	
	9.154		143			0.509		120		
	9.011		141			0.389		121		
	8.870		284			0.268		241		
10	27.035	9.012		3.473		1.166	0.389		3.463	
		65.892					33.277			

F.B. 381 PG. 180

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 570010
Notes by G. E. DREIER Time 1:00 TO 5:15 P.M. Rod No. 5-86

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-11 To B.M. 17-9
Date 7-24-52
Indexed L. C. Johnson

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
	10.461	65.892	1.31	3.473		0.970	33.277	1.35	3.463	
	10.330		1.30			0.835		1.33		
	10.200		2.61			0.702		2.68		
11	30.991	10.330		3.734		2.507	0.836		3.731	
	10.818		1.86			2.259		1.84		
	10.632		1.82			2.075		1.83		B.M. 17-11 TO B.M. 17-10
	10.450		3.68			1.892		3.67		DIFF IN ELEVATION
12	31.900	10.633		4.102		6.226	2.075		4.098	
		86.855					36.188			B.M. 17-10
										GRAND AVE & CALVINA HILLS RD.
										SEE F.B. 1381-47
										FOR DESCRIPTION
	5.959		1.19			4.100		1.19		
	5.840		1.18			3.981		1.21		
	5.722		2.37			3.860		2.40		
13	17.521	5.840		4.339		11.941	3.980		4.338	
	6.947		2.16			2.910		2.13		
	6.731		2.12			2.697		2.12		
	6.519		4.28			2.485		4.25		
14	20.197	6.732		4.767		8.092	2.697		4.763	
		99.427					42.865			

F.B. 1381 PG. 18

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by G. E. DREIER Time 1:00 TO 3:15 P.M. Rod No. 7E8

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-11 To B.M. 17-9
Date 7-24-52
Indexed K. C. JOHNSON

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
	6.166	99.427	214	4.767		3.123	42.865	213	4.763	
	5.952		212			2.910		210		
	5.740		426			2.700		423		
15	17.858	5.953		5.193		8.733	2.911		5.186	
	6.378		216			3.082		211		
	6.162		212			2.871		211		
	5.950		428			2.660		422		
16	18.490	6.163		5.621		8.613	2.871		5.608	
	6.357		215			5.230		213		B.M. 17-9
	6.142		211			5.017		210		GRAND AVE & PUENTE ST.
	5.931		426			4.807		423		SEE F.B. 1381-116
17	18.430	6.143		6.047	99°	15.054	5.018		6.031	FOR DESCRIPTION
F.B. 1381 PG. 182										SUMMATION OF RUN B.M. 17-11 TO B.M. 17-9
		117.686					53.665			TOTAL BACKSIGHTS + 117.686 TOTAL FORESIGHTS - 53.665 DIFF IN ELEVATION + 64.021

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 9:30-10:20 AM Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-11 To B.M. 17-10
Date 7-25-52
Indexed E. C. Johnson

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
	5593		202		#5	2579		202		BM 17-11
	5391		201			2377		202		COVINA HILLS RD. & CHABARRO RD.
	5190		403			2175		404		SEE F.B. 1381-118
1	16174	5391		403	85°	7131	2377		404	FOR DESCRIPTION
	5534		222			9436		214		
	5312		222			9222		212		π G.E. DREIER
	5090		444			9010		426		
2	15936	5312		847		27668	9.223		830	
	2989		209			6159		216		
	2780		211			5943		214		
	2569		420			5729		430		
3	8338	2779		1267		17831	5.944		1260	
	3832		219			6147		219		
	3613		218			5928		219		
	3395		437			5709		438		
4	10840	3.613		1704		17784	5.928		1698	
	4251		214			5120		211		
	4037		215			4909		210		
	3822		429			4699		421		
5	12110	4.037		2133		14728	4.909		2119	
		21.132					28.381			

F.B. 1381 PG. 183

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 9:30-10:20 AM Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-11 To BM 17-10
Date 7-25-52
Indexed A. C. Johnson

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
	6304	21.132	201	2.133		2775	28.381	206	2.119	
	6103		201			2567		207		
	5902		402			2360		413		
6	18309	6.103		2.535		7700	2.567		2.532	
	8402		131			0706		132		
	8271		132			0574		131		
	8139		263			0443		263		
7	24812	8.271		2.798		1723	0.574		2.795	
	9391		069			0862		066		
	9322		069			0796		066		
	9253		138			0730		132		
8	27966	9.322		2.936		2388	0.796		2.927	
	11927		127			0463		143		
	11800		125			0320		142		
	11675		252			0178		285		
9	35402	11.801		3.188		0961	0.320		3.212	
	9172		141			0531		124		
	9031		139			0407		123		
	8892		280			0284		247		
10	27095	9.032		3.468		1222	0.407		3.459	
		65.661					33.045			

F.B. 1381 PG. 184

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 9:30-10:20 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-11 To BM 17-10
Date 7-25-52
Indexed A. C. Johnson

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
	10533	15.661	131	3468		10423	33.045	134	3459	
	10402		131			09909		132		
	10271		262			07777		266		
11	31206	10.402		3730		27129	0.910		3725	
	10893		182			23333		182		BM 17-10
	10711		183			21151		182		GRAND AVE & CORONA HILLS RD
	10528		365			19969		364		SEE F.B. 1381-11
12	32132	10.710		4095	86°	64533	2.151		4089	FOR DESCRIPTION
										SUMMATION OF RUN
										BM 17-11 TO BM 17-10
										TOTAL BACKSIGHTS +86.774
										" FORESIGHTS -36.106
										DIFF IN ELEVATION +50.668
		86.774					36.106			

F.B. 1381 PG. 125

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1281 PG. 186										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 10:25-11:20AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4925
From BM 17-10 To BM 17-11
Date 7-25-52
Indexed E. C. Johnson

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
	2255		184		#5	10818		185		BM 17-10
	2071		182			10633		182		GRAND AVE & COVINA HILLS RD.
	1889		366			10451		367		SEE F.B. 1381-117
1.	6215	2.072		366	86°	31902	10.634		367	FOR DESCRIPTION
	1052		133			10544		131		
	0919		131			10413		133		⊼ G.E. DREIER
	0788		264			10280		264		
2.	2759	0.920		630		31237	10.412		631	
	0503		127			9137		137		
	0376		126			9000		135		
	0250		253			8865		272		
3.	1129	0.376		883		27002	9.00		903	
	0523		143			11987		127		
	0380		143			11860		127		
	0237		286			11733		254		
4	1140	0.380		1169		35580	11.860		1157	
	0822		069			9347		068		
	0753		067			9279		066		
	0686		136			9213		134		
5.	2261	0.754		1305		27839	9280		1291	
		4502					51.187			

F.B. 1381 PG. 187

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 10:25-11:[illegible] AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-10 To BM 17-11
Date 7-25-51
Indexed L. O. Johnson

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
	0712	4502	131	1305		8409	51.187	132	1.291	
	0581		131			8277		132		
	0450		262			8145		264		
6	1743	0.581		1567		24831	8277		1555	
	2879		207			6412		201		
	2672		203			6211		202		
	2469		418			6009		403		
7	8020	2.673		1.977		18632	6211		1.958	
	5390		208			4527		216		
	5182		206			4311		215		
	4976		414			4096		431		
8	15548	5.183		2.391		12934	4311		2.389	
	6177		219			3863		220		
	5958		217			3643		220		
	5741		436			3423		440		
9	17876	5.959		2.827		10929	3.643		2.829	
	6361		213			3191		212		
	6148		214			2979		211		
	5934		427			2768		423		
10	18443	6.148		3.254		8938	2.979		3.252	
		25.046					76.608			

F.B. 1381 PG. 188

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by J. SHINODA Time 10:25-11:20AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-10 To B.M. 17-11
Date 7-25-52
Indexed E. C. Johnson

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
	9588	25.046	213	3.254		5686	76.608	222	3.252	
	9375		212			5464		221		
	9163		425			5243		443		
11	18116	9.375		3.679		16393	5.464		3.695	
	2748		203			5761		202		B.M. 17-11
	2545		202			5559		202		COVINA HILLS RD & CAMARRO RD
	2348		405			5357		404		SEE F.B. 1381-118
12	7630	2.545		4.084	90°	16677	5.559		4.099	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 17-10 TO B.M. 17-11
										TOTAL BACKSIGHTS = 36.966
										" FORESIGHTS = 87.631
										DIFF. IN ELEVATION = -50.665
		36.966					87.631			

F.B. 1381 PG. 189

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1381 PG 190										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 11:30-2:40 P.M. Rod No. 546

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 17-11 To B.M. 17-13
Date 7-25-52
Indexed L. C. JOHNSON

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
	8910		148		#5	1417		147		B.M. 17-11
	8762		144			1270		147		COVINA HILLS RD & CARRERO RD
	8618		292			1123		294		SEE F.B. 1381-18
1	26290	8.763		292	90°	3810	1.270		294	FOR DESCRIPTION
	10124		109			0395		095		
	10015		108			0300		094		E. LANDA
	9907		217			0206		189		
2	30046	10.015		509		0901	0.300		483	
	11511		101			2067		103		
	11410		102			1964		102		
	11308		203			1862		205		
3	34229	11.410		712		5893	1.964		.685	
	11472		161			0822		164		
	11311		160			0658		163		
	11151		321			0495		327		ONE HOUR FOG WHICH
4	33934	11.311		1033	101°	1976	0.658		1.015	
	10668		118			1152		119		
	10550		118			1033		116		
	10432		236			0917		235		
5	31650	10.550		1269		3102	1.034		1.250	
		52.049					5.226			

F.B. 1381 PG 191

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 11:30-2:40 PM Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From BM 17-11 To BM 17-13
Date 7-25-52
Indexed R. C. Johnson

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
	10 110	52.049	132	1.269		2240	5.226	133	1.250	
	9.978		130			2107		131		
	9848		262			1976		264		
6	29936	9.979		1.531		6323	2.108		1.514	
	9815		133			1570		132		
	9682		131			1438		131		
	9551		264			1307		263		
7	29048	9.683		1.795		4315	1.438		1.777	
	10229		133			1469		132		
	10096		132			1337		133		
	9964		265			1204		265		
8	30289	10.096		2.060		4010	1.337		2.042	
	10075		087			1708		091		
	9988		088			1617		089		
	9900		175			1528		180		
9	29963	9.988		2.235		4853	1.618		2.222	
	10181		120			1202		119		
	10061		117			1083		115		
	9944		237			0968		234		
10	30186	10.062		2.472		3253	1.084		2.456	
		101.857					12.811			

F.B. 1381 PG. 192

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 11:30-2:40 P.M. Rod No. 5&6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-11 To B.M. 17-13
Date 7-25-52
Indexed A. C. Johnson

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
	10249	101.857	118	2.472		0589	12.811	109	2.456	
	10130		118			0480		109		
	10012		236			0371		218		
11.	30390	10.130		2.708		1440	0.480		2.674	
	10407		152			1235		164		
	10255		148			2071		160		
	10107		300			1911		324		
12.	30769	10.256		3.008		6217	2.072		2.998	
		122.243					15.363			B.M. 17-12
										SEE F.B. 1381-119
										FOR DESCRIPTION
	7541		147			9560		148		
	7394		145			9412		147		
	7249		292			9265		295		
13.	22184	7.395		3.300		28237	9.412		3.293	
	0915		065			8693		063		
	0850		064			8630		065		
	0786		129			8565		128		
14	2551	0.850		3.429		25888	8.629		3.421	
		130.488					33.404			

F.B. 1381 PG. 193

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 11:30-2:40 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-11 To BM 17-13
Date 7-25-52
Indexed R. O. Johnson

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
	0673	30.488	086	3.429		7800	33.404	088	3.421	
	0587		088			7712		087		
	0499		174			7625		175		
15	1759	0.586		3.603		23137	7.712		3.596	
	3149		215			3485		212		
	2934		214			3273		211		
	2720		429			3062		423		
16	8803	2.934		4.032		9820	3.273		4.019	
	6353		114			0849		119		
	6239		116			0730		115		
	6123		230			0615		234		
17	18715	6.238		4.262		2194	0.731		4.253	
	9438		106			0510		104		
	9332		102			0406		106		
	9230		208			0300		210		
18	28000	9.333		4.470		1216	0.405		4.463	
	10360		072			0675		073		
	10288		072			0602		072		
	10216		144			0530		145		
19	30864	10.288		4.614		1807	0.602		4.608	
		159.867					46.127			

F.B. 1381 PG. 194

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 11:30-2:40 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4922
From B.M. 17-11 To B.M. 17-13
Date 7-25-52
Indexed L. C. Johnson

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
	10189	59.867	117	4.614		0858	46.127	119	4.608	
	10072		113			0739		119		SUMMATION OF RUN
	9959		230			0620		238		B.M. 17-11 to B.M. 17-13
20	30220	10.073		4844		2217	0.739		4846	
	6652		212			8063		213		TOTAL BACKSIGHTS + 182.220
	6440		212			7850		215		- FORESIGHTS - 58.815
	6228		424			7635		428		DIFF. IN ELEVATION + 123.405
21	19320	6.440		5268		23548	7.849		5274	
	5951		111			4213		113		B.M. 17-13
	5840		112			4100		113		COVINA HILLS RD & HOLT AVE
	5728		223			3987		226		SEE F.B. 1381-120
22	17519	5.840		5491	98°	12300	4.100		5500	FOR DESCRIPTION
		182.220					58.815			

F.B. 1381 PG 125

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1381 PG. 196										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
108 HALL OF RECORDS

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

Chief of Party G. E. DRAGER Weather HAZY Inst. No. 50010
Notes by S. SHIRODA Time 8:50 - 10:10 AM Rod No. 5 & 6

Name L.A. CO. PRECISION LEVEL NET
Job No. 4923
From B.M. 17-13 To B.M. 17-11
Date 7-28-52
Indexed L. C. Johnson

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
	4295		115		#5	6034		112		B.M. 17-13
	4180		112			5922		111		COVINA HILLS RD & HOLT AVE
	4068		227			5811		223		SEE F.B. 1381-120
1	12543	4.181		.227	82°	17767	5.922		.223	FOR DESCRIPTION
	7964		214			6552		214		
	7750		213			6338		213		TO E. LANDA
	7537		427			6125		427		
2	23251	7.750		.654		19015	6.338		.650	
	0933		116			10267		117		
	0817		117			10150		117		
	0700		233			10033		234		
3	2450	0.817		.887		30450	10.150		.884	
	0782		072			10467		072		
	0710		072			10395		071		
	0638		144			10324		143		
4	2130	0.710		1.031		31186	10.395		1.027	
	1043		103			9969		103		
	0940		102			9866		103		
	0838		205			9763		206		
5.	2821	0.940		1.236		29598	9.866		1.233	
		14.398					42.671			

F.B. 1381 PG. 197

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 8:50-10:10 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-13 To B.M. 17-11
Date 7-28-52
Indexed R. C. Johnson

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
	1336	14.398	118	1.236		6841	4.671	114	1.233	
	1218		117			6727		115		
	1101		235			6612		229		
6	3655	1.218		1.471		20180	6.727		1.462	
	3767		215			3429		215		
	3552		211			3214		213		
	3341		426			3001		428		
7	10660	3.553		1.897		9644	3.215		1.890	
	7916		087			0791		089		
	7829		087			0702		085		
	7742		174			0617		174		
8	23487	7.829		2.071		2110	0.703		2.064	
	9002		062			1223		063		
	8940		066			1160		065		
	8874		128			1095		128		
9	26810	8.939		2.199		3478	1.159		2.192	
	9535		146			7519		149		
	9389		148			7370		147		
	9241		294			7223		296		
10	28165	9.388		2.493		22112	7.371		2.488	
		45.325					61.846			

F.B. 1381 PG. 198

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G E DREIER Weather HAZY Inst. No. 50010
Notes by S SHINODA Time 8:50-10:10AM Rod No. 5&6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-13 To B.M. 17-11
Date 7-28-52
Indexed R. C. Johnson

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
		45325		2493			61840		2.488	B.M. 17-12
										SEE F.B. 1381-119
										FOR DESCRIPTION
	2739		152			10579		152		
	2578		151			10427		151		
	2427		303			10276		303		
11	7735	2.578		2.796		31282	10.427		2.791	
	0888		116			10877		119		
	0772		112			10758		119		
	0660		228			10639		238		
12	2320	0.773		3.024		32274	10.758		3.029	
	1545		115			10523		119		
	1430		118			10406		117		
	1312		233			10289		234		
13	4287	1.429		3.257		31218	10.406		3.263	
	1881		089			10250		088		
	1792		090			10162		085		
	1702		179			10077		173		
14	5375	1.792		3.436		30489	10.163		3.436	
		51.897					103.600			

FB 1381 PG 169

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 8:50 - 10:10AM Rod No. 586

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 17-13 To B.M. 17-11
Date 7-28-52
Indexed A. C. Johnson

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
	1548	1.897	132	3.430		10308	10.600	132	3.430	
	1416		131			10176		131		
	1285		263			10045		263		
15.	4249	1.416		3.699		30529	10.176		3.699	
	1710		131			9958		133		
	1579		131			9825		132		
	1448		262			9692		265		
16.	4737	1.579		3.961		29475	9.825		3.964	
	2338		132			10210		131		
	2206		131			10079		131		
	1075		263			9948		262		
17.	6619	2.206		4.224		30237	10.079		4.228	
	1222		114			10743		119		
	1108		116			10624		116		
	0992		230			10508		235		
18.	3322	1.107		4.454		31875	10.625		4.462	
	1272		162			11925		162		
	1110		160			11763		160		
	0950		322			11603		322		
19.	3332	1.111		4.776		35291	11.764		4.785	
		59.316					156.069			

F.B. 1381 PG. 200

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 8:50-10:10AM Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-13 To B.M. 17-11
Date 7-28-52
Indexed A. C. Johnson

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
	1958	59.310	105	4.776		11405	156.069	103	4.785	
	1853		101			11302		102		SUMMATION OF RUN
	1752		206			11200		205		BM 17-13 TO BM 17-11
20	5563	1.854		4.982		33907	11.302		4.990	
	0584		092			10320		112		TOTAL BACKSIGHTS +62.702
	0492		091			10208		111		FORESIGHTS −186.114
	0401		183			10097		223		DIFF IN ELEVATION −123.412
21	1477	0.492		5.165		30625	10.208		5.215	
	1199		159			8670		135		BM 17-11
	1040		158			8535		134		COVINA HILLS RD & CHAPARRO
	0882		317			8401		269		SEE F.B 1381-118
22	3121	1.040		5.482	92°	25006	8.535		5.482	FOR DESCRIPTION
		62.702					186.114			

F.B. 1381 PG. 201

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 381 PG. 202										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 10:50-2:15PM Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-13 To B.M. 17-15
Date 7-28-52
Indexed L. C. Johnson

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
	10641		184		#5	3688		185		B.M. 17-13
	10457		184			3503		182		COVINA HILLS RD & HOLT AVE
	10273		368			3321		367		SEE F.B. 1381-120
1	31371	10.457		368	92°	10512	3.504		367	FOR DESCRIPTION
	6531		212			0797		215		
	6319		210			0582		211		⊼ G.E. DREIER
	6109		422			0371		426		
2	18959	6.320		.790		1750	0.583		.793	
	9593		210			0981		210		
	9383		212			0771		210		
	9171		422			0561		420		
3	28147	9.382		1.212		2313	0.771		1.213	
	8903		191			0627		191		
*	8712		188			0436		191		
	8524		379			0245		382		
4	26139	8.713		1.591		1308	0.436		1.595	
	9424		087			0544		087		
	9337		086			0457		086		
	9251		173			0371		173		
5.	28012	9.337		1.764		1372	0.457		1.768	
		44.209					5.751			

F.B. 1381 PG. 2-93

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 10:50-2:15 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-13 To B.M. 17-15
Date 7-28-52
Indexed K. C. Johnson

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
	11250	44205	117	1.764		2231	5.751	120	1.768	
	11133		115			2111		120		
	11018		232			1991		240		
6.	33401	11.134		1.996		6333	2.111		2.008	
	8230		174			0483		147		
	8056		174			0336		146		
	7882		348			0190		293		
7	24168	8.056		2.344		1009	0.336		2.301	
	11493		166			0918		152		
	11327		167			0766		153		
	11160		333			0613		305		
8.	33980	11.327		2.677		2297	0.766		2.606	
	8691		124			0732		142		
	8567		125			0590		142		
	8442		249			0448		284		
9.	25700	8567		2.926		1770	0.590		2.890	
	9544		082			2002		108		
	9462		082			1894		105		
	9380		164			1789		213		
10	28386	9.462		3.090		5685	1.895		3.103	
		92755					11449			

F.B. 381 PG. 204

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 10:50-2:15 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-13 To B.M. 17-15
Date 7-28-52
Indexed R. O. Johnson

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
		92.755		3.090			11.449		3.103	B.M. 17-14
										SEE F.B. 1381-12
										FOR DESCRIPTION
	10206		124			1401		124		
	10082		122			1277		126		
	9960		246			1151		250		
11	30248	10.083		3.336		3829	1.276		3.353	
	9991		123			1294		121		
	9868		123			1173		122		
	9745		246			1051		243		
12	29604	9.868		3.582		3518	1.173		3.596	
	11169		126			1288		126		
	11043		123			1162		126		ONE HOUR FOR LUNCH
	10920		249			1036		252		
13	33132	11.044		3.831	92°	3486	1.162		3.848	
	11074		123			0458		130		
	10951		125			0328		130		
	10826		248			0198		260		
14	32851	10.950		4.079	90°	0984	0.328		4.108	
		34.700					15.388			

F.B. 1381 PG. 605

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by J. SHINODA Time 10:50 - 2:[illegible] PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-13 To BM 17-15
Date 7-28-52
Indexed E. C. Johnson

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
	10228	134.700	078	4.079		1157	15.388	066	4.108	
	10150		078			1091		066		
	10072		156			1025		132		
15	30450	10150		4235		3273	1.091		4240	
	9277		075			1783		071		
	9202		075			1712		070		
	9127		150			1642		141		
16	27606	9.202		4385		5137	1.712		4381	
	8633		086			2218		086		
	8547		088			2132		085		
	8459		174			2047		171		
17	25639	8.546		4559		6397	2.132		4552	
	9122		090			1576		087		
	9032		088			1489		086		
	8944		178			1403		173		
18	27098	9.033		4737		4468	1.489		4725	
	9120		102			1852		102		
	9018		101			1750		102		
	8917		203			1648		204		
19	27055	9.018		4940		5250	1.750		4929	
		180.649					23.562			

F.B. 381 PG. 206

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather PART CLOUDY & WIND Inst. No. 50010
Notes by S. SHINODA Time 10:50-2:15 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-13 To BM 17-15
Date 7-28-52
Indexed A. C. Johnson

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
	8383	180.649	100	4.940		0822	23.562	109	4.929	
	8283		098			0713		106		
	8185		198			0607		215		
20	24851	8.284		5.138		2142	0.714		5.144	
	10107		083			2433		079		
	10024		082			2354		077		
	9942		165			2277		156		
21	30073	10.024		5.303		7064	2.355		5.300	
	10666		073			2453		075		
	10593		072			2378		076		
	10521		145			2302		151		
22	31780	10.593		5.448		7133	2.378		5.451	
	10454		075			2391		073		
	10379		076			2318		074		
	10303		151			2244		147		
23	31136	10.379		5.599		6953	2.318		5.598	
	10857		106			0743		102		
	10751		104			0641		102		
	10647		210			0539		204		
24	32255	10.752		5.802		1923	0.641		5.802	
		230.681					31.968			

FB 1381 PG 207

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY & WINDY Inst. No. 50010
Notes by S. SHINODA Time 10:50-2:15 P.M. Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-13 To B.M. 17-15
Date 7-28-52
Indexed A. C. Johnson

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
	10823	230.681	101	5809		1342	31.968	101	5802	
	10722		099			1241		099		
	10623		200			1142		200		
25	32168	10.723		6009		3725	1.242		6002	
	8691		052			3018		048		
	8639		051			2970		048		BM 17-15
	8588		103			2922		096		SEE F.B 1381-122
26	25918	8.639		6112	93°	8910	2.970		6098	FOR DESCRIPTION
										SUMMATION OF RUN B.M 17-13 TO B.M 17-15
										TOTAL BACKSIGHTS +250.043
										" FORESIGHTS - 36.180
										DIFF IN ELEVATION +213.863
		250.043					36.180			

F.B. 1381 PG. 208

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY & WINDY Inst. No. 50010
Notes by S. SHINODA Time 2:25-3:25 PM Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-15 To B.M. 17-13
Date 7-28-52
Indexed R. C. Johnson

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
	3010		050		#5	8680		052		
	2960		049			8628		050		B.M. 17-15
	2911		099			8578		102		SEE FB 1381-122
1.	8881	2960		099	94°	25890	8.629		102	FOR DESCRIPTION
	1391		101			10872		100		
	1290		099			10772		100		π G.E. DREIER
	1191		200			10672		200		
2	3872	1.291		.299		32316	10.772		.302	
	0653		104			10759		102		
	0549		103			10657		104		
	0446		207			10553		206		
3	1648	0.549		.506		31969	10.656		.508	
	2423		073			10489		078		
	2350		073			10411		078		
	2277		146			10333		156		
4	7050	2.350		.652		31233	10.414		.664	
	2475		078			10687		075		
	2397		077			10612		073		
	2320		155			10539		148		
5.	7192	2.397		.807		31838	10.613		.812	
		9.547					51.064			

FB 1381 PG 208

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY & WINDY Inst. No. 50010
Notes by S. SHINODA Time 2:25-3:25PM Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-15 To B.M. 17-13
Date 7-28-52
Indexed R. C. Johnson

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
	2348	9.547	080	807		10019	51.081	081	812	
	2268		080			9938		081		
	2188		160			9857		162		
6	6804	2268		967		29814	9938		974	
	0917		105			8482		101		
	0812		105			8381		101		
	0707		210			8280		202		
7	2436	0812		1.177		25143	8381		1.176	
	1517		103			8787		104		
	1414		102			8683		103		
	1312		205			8580		207		
8	4243	1.414		1.382		26050	8.683		1.383	
	1555		088			9098		088		
	1467		087			9010		087		
	1380		175			8923		175		
9	4402	1.467		1.557		27031	9.010		1.558	
	2201		086			8616		086		
	2115		085			8530		087		
	2030		171			8443		173		
10	6346	2.115		1.728		25589	8.530		1.731	
		17.623					95.623			

F.B. 1381 PG. 210

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY & WINDY Inst. No. 50010
Notes by S. SHINODA Time 2:25-3:25 PM Rod No. 5&6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-15 To B.M. 17-13
Date 7-28-52
Indexed E. C. Johnson

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
	1736	17.623	073	1.728		9228	95.623	074	1.731	
	1663		071			9154		074		
	1592		144			9080		148		
11	4991	1.664		1.872		17462	9.154		1.879	
	0879		070			9943		073		
	0809		070			9870		073		
	0739		140			9797		146		
12	2427	0.809		2.012		29610	9.870		2.025	
	0562		129			11182		126		
	0433		129			11056		126		
	0304		258			10930		252		
13	1299	0.433		2.270		33168	11.056		2.277	
	1342		125			11222		124		
	1217		129			11098		125		
	1088		254			10973		249		
14	3647	1.216		2.524		33293	11.098		2.526	
	1059		120			9755		123		
	0939		121			9632		124		
	0818		241			9508		247		
15	2816	0.939		2.765		28895	9.632		2.773	
		22.684					146.433			

F.B. 1381 PG. 211

Form 378 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY & WINDY Inst. No. 50010
Notes by S. SHINODA Time 2:25-3:25 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-15 To B.M. 17-13
Date 7-28-52
Indexed A. C. Johnson

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
	1304	22.684	124	2.765		10111	146.433	123	2.773	
	1180		123			9988		125		STOPPED 3:25 7-28-52
	1057		247			9863		248		
16	3541	1.180		3.012	92°	29962	9.987		3.021	
		23.864					156.420			BM 17-14
										SEE F.B. 1381-121
										FOR DESCRIPTION
	2390		100			9948		090		
	2290		100			9858		090		BEGAN 8:30 AM 7-29-52
	2190		200			9768		180		
17	6870	2.290		3.212	72°	29574	9.858		3.201	
	0930		134			8905		131		
	0796		133			8774		130		
	0663		267			8644		261		
18	2389	0.796		3.479		26323	8.774		3.462	
	0538		146			11125		173		
	0392		144			10952		173		
	0248		290			10779		346		
19	1178	0.393		3.769		32856	10.952		3.808	
		27.343					186.044			

F.B. 1381 PG. 212

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 8:30-9:05AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17.15 To B.M. 17-15
Date 7-29-52
Indexed J. C. Johnson

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
	0524	27.343	150	3.769		8262	186.004	171	3.808	
	0374		150			8091		171		
	0224		300			7920		342		
20	1122	0.374		4.069		24273	8.091		4.150	
	1642		134			10632		102		
	1508		135			10530		102		
	1373		269			10428		204		
21	4523	1.508		4.338		31590	10.530		4.354	
	0568		087			9448		087		
	0481		088			9361		087		
	0393		175			9274		174		
22	1442	0.481		4.513		28083	9.361		4.528	
	0633		191			8911		190		
	0442		190			8721		190		
	0252		381			8531		380		
23	1327	0.442		4.894		26163	8.721		4.908	
	0768		213			9373		206		
	0555		213			9167		208		
	0342		426			8959		414		
24	1665	0.555		5.320		27499	9.166		5.322	
		30.703					131.873			

F.B. 1381 PG 213

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 8:30-9:05 AM Rod No. 546

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-15 To B.M. 17-13
Date 7-29-52
Indexed E. M. Johnson

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
	0967	30.703	215	5.320		6702	231.873	211	5.322	
	0752		211			6491		213		
	0541		426			6278		424		
25	12600	0.753		5.746		19471	6.490		5.746	
	4005		185			10953		182		BM 17-13
	3820		182			10771		181		COVINA HILLS RD & HOLT AVE
	3638		367			10590		363		SEE F.B. 1381-120
26	11463	3.821		6.113	77°	32314	10.771		6.109	FOR DESCRIPTION
										SUMMATION OF RUN
										BM 17-15 TO BM 17-13
										TOTAL BACKSIGHTS +35.277
										- FORESIGHTS -249.134
										DIFF. IN ELEVATION -213.857
		35.277					249.134			

F.B. 1381 PG. 214

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E DREIER Weather THIN OVERCAST Inst. No. 50010
Notes by G.E DREIER Time 9:30 TO 11:30 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-15 To B.M. 17-12
Date 7-29-5-
Indexed E. C. Johnson

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
	10.349		118		#5	1.017		118		B.M. 17-15
	10.231		118			0.899		117		COLINA HILLS RD. & PRIVATE RD.
	10.113		236			0.782		235		TO HSE #s 21146 & 21144
1	30.693	10.23		236	79°	2.698	0.899		235	SEE F.B. 1381-12 FOR DESCRIPTION
	10.959		102			1.449		103		
	10.857		102			1.346		102		K E LANDA
	10.755		204			1.244		205		
2	32.571	10.857		440		4.039	1.346		440	
	11.208		147			3.718		148		
	11.061		143			3.570		148		
	10.918		290			3.422		296		
3	33.187	11.062		730		10.710	3.570		736	
	1.990		214			9.680		210		
	1.776		214			9.470		210		
	1.562		428			9.260		420		
4	5.328	1.776		1.158		28.410	9.470		1.156	
	1.042		132			8.381		132		
	0.910		130			8.249		133		
	0.780		262			8.116		265		
5	2.732	0.911		1.420		24.746	8.249		1.42	
		34.837					23.534			

F.B. 1321 PG. 215

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER
Notes by G. E. DREIER
Weather THIN OVER CAST
Time 9.30 to 11:30
Inst. No. 50.010
Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-15 To B.M. 17-17
Date 7-29-52
Indexed A. C. Johnson

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
	0.940	34.837	182	1.420		8.910	23.534	186	1.421	
	0.758		185			8.724		184		
	0.573		367			8.540		370		
6	2.271	0.757		1.787		26.174	8.725		1.791	
	1.113		183			10.775		184		
	0.930		182			10.591		183		
	0.748		365			10.408		367		
7	2.791	0.930		2.152		31.774	10.591		2.158	
	1.299		215			2.697		215		
	1.084		212			2.482		212		
	0.872		427			2.270		427		
8	3.255	1.085		2.579		7.449	2.483		2.585	
	9.439		211			2.052		213		
	9.228		211			1.837		215		
	9.017		422			1.622		428		
9	27.684	9.228		3.001		5.509	1.836		3.013	
	5.901		202			5.861		230		
	5.699		200			5.631		231		
	5.499		402			5.400		461		
10	17.099	5.700		3.403		16.892	5.631		3.474	
		52.537					52.500			

F.B. 1381 PG. 216

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather THIN OVERCAST Inst. No. 50010
Notes by G.E. DREIER Time 9:30 to 11:30 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-15 To B.M. 17-17
Date 7-29-52
Indexed R. C. Johnson

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
		52.537		3.403			52.800		3.474	B.M. 17-16
										COVINA HILLS Rd. & PRIVATE RD.
										TO HSE # 21542
										SEE F.B. 1381-123 FOR DESCRIPTION
	9.312		118			1.050		086		
	9.194		117			0.964		085		
	9.077		235			0.879		171		
11	27.583	9.194		3.638		2.893	0.964		3.645	
	11.364		117			1.163		093		
	11.247		117			1.070		096		
	11.130		234			0.974		189		
12	33.741	11.247		3.872		3.207	1.069		3.834	
	10.593		093			0.460		110		
	10.500		094			0.350		110		
	10.406		187			0.240		220		
13	31.499	10.500		4.059		1.050	0.350		4.054	
	10.050		146			0.632		144		
	9.904		145			0.488		148		
	9.759		291			0.340		292		
14	29.713	9.904		4.350		1.460	0.487		4.346	
		93.382					55.670			

F.B. 1381 PG. 217

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather overcast Inst. No. 50010
Notes by C. E. D. Time 9:30 TO 11:30 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-15 To B.M. 17-17
Date 7-29-52
Indexed S. C. Johnson

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
	10.622	93.382	102	4.350		0.402	55.670	104	4.346	
	10.520		100			0.298		105		
	10.420		202			0.193		209		
15	31.562	10.521		4.552		0.893	0.298		4.555	
	11.289		066			0.561		064		
	11.223		063			0.497		066		
	11.160		129			0.431		130		
16	33.672	11.224		4.681		1.489	0.496		4.685	
	11.805		079			0.905		070		
	11.726		078			0.835		070		
	11.648		157			0.765		140		
17	35.179	11.726		4.838		2.505	0.835		4.825	
	10.650		070			1.016		076		
	10.580		070			0.940		075		
	10.510		140			0.865		151		
18	31.740	10.580		4.978		2.821	0.940		4.976	
	9.474		073			1.066		076		
	9.401		071			0.990		075		
	9.330		144			0.915		151		
19	28.205	9.402		5.122		2.971	0.990		5.127	
		146.835					59.229			

F.B. 1381 PG. 218

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by G. E. DREIER Time 9:30 TO 11:30 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4925
From BM 17-15 To BM 17-17
Date 7-29-5
Indexed C. Johnson

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
	9.278	146.835	069	5.122		0.552	59.229	075	5.127	
	9.209		068			0.477		076		
	9.141		137			0.401		151		
20	27.628	9.209		5.259		1.430	0.477		5.278	
	10.050		070			0.828		076		
	9.980		070			0.752		073		
	9.910		140			0.679		149		
21	29.940	9.980		5.399		2.259	0.753		5.427	
	10.179		087			1.061		088		
	10.092		085			0.973		086		
	10.007		172			0.887		174		
22	30.278	10.093		5.571		2.921	0.974		5.601	
	9.690		094			0.367		096		
	9.596		095			0.271		095		
	9.501		189			0.176		191		
23	28.787	9.596		5.760		0.814	0.271		5.792	
	11.661		133			3.420		131		
	11.528		130			3.289		131		
	11.398		263			3.158		262		
24	34.587	11.529		6.023		9.867	3.289		6.054	
		197.242					64.993			

F.B. 1381 PG. 212

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 9.30 TO 11.30 Rod No. 5 & 6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-15 To B.M. 17-17
Date 7-29-52
Indexed X C. Johnson

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
	3572	197.242	109	6.023		5938	64993	118	6.054	
	3468		108			5820		119		
	3360		217			5701		237		
25	10405	3.468		6.240		17.459	5.820		6.291	
	10.551		022			0781		031		B.M. 17-17 (U.S. 363)
	10.529		022			0.750		035		ARROYO AVE & COVINA HILLS RD
	10.507		044			0.715		066		SEE F.B. 1381-124
26	31.587	10.529		6.284		2.246	0.749		6.357	FOR DESCRIPTION
										SUMMATION OF RUN B.M. 17-15 TO B.M. 17-17
										TOTAL BACKSIGHTS + 211.239
										TOTAL FORESIGHTS − 71.562
										DIFF IN ELEVATION + 139.677
		211.239					71.562			

F.B. 1381 PG. 220

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 1130 TO Rod No. 506

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-17 To B.M. 17-15
Date 7-29-52
Indexed A. C. Johnson

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
	0738		034			10.507		023		B.M. 17-17 (U.S. 368)
	0.704		033			10.484		023		ARROYO AVE & COVINA HILLS RD.
	0671		067			10.461		046		SEE F.B. 1381-24 FOR DESCRIP.
1	2113	0.704		.067		31.452	10.484		.046	
	5891		120			3522		103		
	5.771		120			3.419		106		⊼ E. LANDA
	5651		240			3313		209		
2	17.313	5.771		.240		10.254	3.418		255	
	3298		134			11.533		132		
*	3.164		132			11.401		131		
	3032		266			11.270		263		
3	9.494	3.165		.506		34.204	11.401		.518	
	0.593		094			9.919		096		
	0.499		096			9823		094		
	0.403		190			9729		190		
4	1.495	0.498		.696		29.471	9.824		.708	
	1240		088			10.358		087		
	1.152		085			10.271		087		
	1067		173			10.184		174		
5	3.459	1.153		.869		30.813	10.271		.882	
		11.291					45.398			

F.B. 1381 PG. 221

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 11:30 Rod No. 556

Name L.A. CO. DEFENSE LEVEL NET
Job No. 4923
From B.M. 17-17 To B.M. 17-15
Date 7-29-52
Indexed E. C. Johnson

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
	0.920	11.291	071	1.869		10.150	10.398	073	.882	
	0.849		071			10.077		075		
	0.778		142			10.002		148		
6	2.547	0.849		1.011		30.229	10.076		1.030	
	0.782		072			9.512		071		
	0.710		072			9.441		071		
	0.638		144			9.370		142		
7	2.130	0.710		1.155	91°	28.323	9.441		1.172	STOPPED 12:00 TO 1:00
	0.924		073			9.337		075		
	0.851		071			9.262		072		
	0.780		144			9.190		147		
8	2.555	0.852		1.299		27.789	9.263		1.319	
	0.582		074			10.217		068		
	0.508		076			10.149		067		
	0.432		150			10.080		137		
9	1.522	0.507		1.449		30.446	10.149		1.456	
	0.572		67			11.473		077		
	0.505		67			11.396		078		
	0.438		134			11.318		155		
10	1.515	0.505		1.583		34.187	11.396		1.611	
		14.714					93.723			

F.B. 381 PG. 222

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR-GUSTY Inst. No. 50010
Notes by G.E. DREIER Time 11.30 TO Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-14 To B.M. 17-15
Date 7-29-52
Indexed E. C. Johnson

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
	0.659	14.714	064	1.583		11.386	95.723	066	1.611	
	0.595		064			11.320		065		
	0.531		128			11.255		131		
11	1.785	0.595		1.711		33.961	11.320		1.742	
	0.394		108			10.609		100		
	0.286		108			10.509		099		
	0.178		216			10.410		199		
12	0.858	0.286		1.927		31.528	10.509		1.941	
	0.668		148			10.078		146		
	0.520		148			9.932		142		
	0.372		296			9.790		288		
13	1.560	0.520		2.223		29.800	9.933		2.229	
	0.940		101			11.091		102		
	0.839		100			10.989		103		
	0.739		201			10.886		205		
14	2.518	0.839		2.424		32.966	10.989		2.434	
	0.849		102			11.032		111		
	0.747		103			10.921		109		
	0.644		205			10.812		220		
15	2.240	0.747		2.629		32.765	10.922		2.654	
		17.701					149.396			

F.B. 1381 PG. 223

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 5001
Notes by G.E. DREIER Time 11:30 Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-17 To B.M. 17-15
Date 7-29-52
Indexed E. C. Johnson

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
	0.522	17.701	100	2.629		8.757	19.396	105	2.654	
	0.422		101			8.652		102		
	0.321		201			8.550		207		
16	1.265	0.422		2.830		25.959	8.653		2.861	
		18.123					18.049			B.M. 17-16 COVINA HILLS RD & PRIVATE ROAD TO HSE # 21542 SEE F.B. 1381-123 FOR DESCRIPTION
	5.920		220			5.983		214		
	5.700		220			5.769		212		
	5.480		440			5.597		426		
17	17.100	5.700		3.270		17.309	5.770		3.287	
	2.128		215			9.520		212		
	1.913		211			9.308		211		
	1.702		426			9.097		423		
F.B. 1381 PG. 224 18	5.743	1.914		3.696		27.925	9.308		3.710	
	2.858		216			1.452		211		
	2.642		214			1.241		208		
	2.428		430			1.033		419		
19	7.928	2.643		4.126		3.726	1.242		4.129	
		28.380					74.369			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 11:30 TO Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-17 To B.M. 17-15
Date 7-29-52
Indexed R. O. Johnson

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
	10.979	28.380	185	4.126		1.313	1.4369	183	4.129	
	10.794		184			1.130		182		
	10.610		369			0.948		365		
20	32.383	10.794		4.495		3.391	1.130		4.494	
	8.990		187			1.020		184		
	8.803		183			0.836		183		
	8.620		370			0.653		367		
21	26.413	8.804		4.865		2.509	0.836		4.861	
	8.459		133			1.121		131		
	8.326		134			0.990		132		
	8.192		267			0.858		263		
22	24.977	8.326		5.132		2.969	0.990		5.124	
	9.709		211			2.012		213		
	9.498		213			1.799		211		
	9.285		424			1.588		424		
23	28.492	9.497		5.556		5.399	1.800		5.548	
	3.678		148			11.164		144		
	3.530		148			11.020		145		
	3.382		296			10.875		289		
24	10.590	3.530		5.852		33.059	11.020		5.837	
		69.331					190.145			

F.B. 1381 PG. 225

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR & CLOUDY Inst. No. 50010
Notes by G.E. DREIER Time 11:30 TO Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-17 To B.M. 17-15
Date 7-29-52
Indexed R. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	1.449	69.331	101	5852		10.962	10.145	102	5837	
	1.348		100			10.860		102		
	1.248		201			10.758		204		
25	4.045	1.348		6053		32580	10.860		6041	
	1.051		118			10383		116		B.M. 17-15
	0.933		114			10267		117		COVINA HILLS RD & PRIVATE
	0.819		232			10150		233		ROAD TO HSE #21140 & #21144
26	2.803	0.934		6285	91°	30800	10.267		6274	SEE F.B. 1381-122
										SUMMATION OF RUN
										B.M. 17-17 TO B.M. 17-15
										TOTAL BACKSIGHTS + 71.613
										TOTAL FORESIGHTS - 211.272
										DIFF IN ELEVATION - 139.659
		71.613					211.272			

F.B. 1381 PG. 226

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 8:55-9:45AM Rod No. 5 & 6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-17 To BM 17-16
Date 7-30-52
Indexed A. C. Johnson

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
	0822		032		#5	10591		023		BM 17-17 (U.S. 368)
	0790		033			10568		023		Colina Hills Rd & Arroyo Ave
	0757		065			10545		046		See F.B. 1381-124
1	2369	0.790		.065	78°	31704	10.568		.046	For description
	4545		154			10422		144		
	4391		152			10278		142		T G.E. Dreier
	4239		306			10136		286		
2	13175	4.392		.371		30836	10.279		.332	
	0370		088			9705		101		
	0282		087			9604		100		
	0195		175			9504		201		
3	0847	0.282		.546		28813	9.604		.533	
	1390		084			10516		089		
	1306		084			10427		089		
	1222		168			10338		178		
4	3918	1.306		.714		31281	10.427		.711	
	1115		072			10342		072		
	1043		071			10270		072		
	0972		143			10198		144		
5	3130	1.043		.857		30810	10.270		.855	
		7.813					51.148			

F.B. 1381 PG. 227

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 8:55-9:45 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-17 To B.M. 17-16
Date 7-30-52
Indexed A. C. Johnson

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
	0870	7.813	071	.857		9605	51.148	072	.855	
	0799		071			9533		071		
	0728		142			9462		143		
6	2397	0.799		.999		28600	9.533		.998	
	1021		072			9430		073		
	0949		072			9357		074		
	0877		144			9283		147		
7	2847	0.949		1.143		28070	9.357		1.145	
	0882		071			10523		071		
	0811		072			10452		071		
	0739		143			10381		142		
8	2432	0.811		1.286		31356	10.452		1.287	
	0505		071			11399		076		
	0434		071			11328		075		
	0363		142			11248		151		
9	1302	0.434		1.428		33970	11.323		1.438	
	0781		064			11509		066		
	0717		066			11443		064		
	0651		130			11379		130		
10	2149	0.716		1.558		34331	11.444		1.568	
		11.522					103.257			

F.B. 381 PG. 228

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 8:55 - 9:45 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-17 To B.M. 17-16
Date 7-30-52
Indexed E. C. Johnson

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
	0622	11.522	103	1.558		10840	103.257	102	1.568	
	0519		105			10738		102		
	0414		208			10636		204		
11.	1555	0.518		1.766		32214	10.738		1.772	
	0658		145			10073		145		
	0513		144			9928		146		
	0369		289			9782		291		
12	1540	0.513		2.055		29783	9.928		2.063	
	0938		102			11084		101		
	0836		103			10983		100		SUMMATION OF RUN
	0733		205			10883		201		B.M. 17-17 TO B.M. 17-16
13	2507	0.836		2.260		32950	10.983		2.264	
	0547		104			10729		105		
	0443		101			10624		105		TOTAL BACKSIGHTS = 14.124
	0342		205			10519		210		- FORESIGHTS = 154.049
14	1332	0.444		2.465		31872	10.624		2.474	DIFF. IN ELEVATION = 139.925
	0396		105			8619		100		
	0291		104			8519		100		B.M. 17-16
	0187		209			8419		200		SEE F.B. 1381-123
15	0874	0.291		2.674	77°	25557	8.519		2.674	FOR DESCRIPTION
		14.124					154.049			

F.B. 1381 PG. 229

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1381 PG. 230										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 9:50-10.40AM Rod No. 5 & 6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-16 To B.M. 17-17
Date 7-30-52
Indexed R. C. Johnson

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
	8782		103		#5	0549		101		
	8679		101			0448		101		BM 17-16
	8578		204			0347		202		SEE F.B. 1381-123
1	26039	8.680		204	77°	1344	0.448		202	FOR DESCRIPTION
	10839		104			0666		107		
	10735		104			0559		105		X G.E. DREIER
	10631		208			0454		212		
2	32205	10.735		412		1679	0.560		414	
	11140		102			0988		101		
	11038		101			0887		100		
	10937		203			0787		201		
3	33115	11.038		615		2662	0.887		615	
	10258		147			0847		147		
	10111		146			0700		146		
	9965		293			0556		290		
4	30334	10.111		908		2103	0.701		906	
	10854		101			0633		102		
	10753		101			0531		103		
	10652		202			0428		205		
5	32259	10.753		1110		1592	0.531		1111	
		51.317					3.127			

F.B. 1381 PG. 231

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:50-10:40 AM Rod No. 5E6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-16 To B.M. 17-17
Date 7-30-52
Indexed L. C. Johnson

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
	11473	51.317	063	1.110		0750	3.127	065	1.111	
	11410		064			0685		065		
	11346		127			0620		130		
6	34229	11.410		1.237		2055	0.685		1.241	
	11221		074			0328		073		
	11147		074			0255		072		
	11073		148			0183		145		
7	33441	11.147		1.385		0766	0.255		1.386	
	10627		073			0987		072		
	10554		072			0915		071		
	10482		145			0844		143		
8	31663	10.554		1.530		2746	0.915		1.529	
	9555		074			1140		071		
	9481		074			1069		071		
	9407		148			0998		142		
9	28443	9.481		1.678		3207	1.069		1.671	
	9690		073			0957		070		
	9617		071			0887		070		
	9546		144			0817		140		
10.	28853	9.618		1.822		2661	0.887		1.811	
		103.527					6.938			

F.B. 381 PG. 232

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:50 - 10:40 AM Rod No. 5 & 6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-16 To BM 17-17
Date 7-30-52
Indexed R. C. Johnson

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
	10343	103.527	073	1.822		1112	6938	071	1.811	
	10270		072			1041		071		
	10198		145			0970		142		
11	30811	10.270		1.967		3123	1.041		1.953	
	10393		087			1274		086		
	10306		087			1188		086		
	10219		174			1102		172		
12	30918	10306		2.141		3564	1.188		2.125	
	9883		095			0558		093		
	9788		096			0465		094		SUMMATION OF RUN
	9692		191			0371		187		BM 17-16 TO BM 17-17
13	29363	9.788		2.332		1394	0.465		2.312	
	10953		150			5067		145		
	10803		150			4922		143		TOTAL BACKSIGHTS = 155.268
	10653		300			4779		288		" FORESIGHTS = 15.346
14	32409	10.803		2.632		14768	4.923		2.600	DIFF. IN ELEVATION = 139.922
	10596		023			0825		034		BM 17-17 (US 36?)
	10573		021			0791		033		COVINA HILLS RD & ARROYO AVE
	10552		044			0758		067		SEE F.B. 1381-124
15	31721	10.574		2.676	85°	2374	0.791		2.667	FOR DESCRIPTION
		155.268					15.346			

FB 1381 PG 2-33

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1381 PG. 234										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:45-2:20PM Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-17 To B.M. 17-18A
Date 7-30-52
Indexed R. C. Johnson

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
	0738		034		#5	10507		023		B.M. 17-17 (U.S. 362)
	0704		033			10484		023		ARROYO AVE & COVINA HILLS RD
	0671		067			10461		046		SEE F.B. 1381-124
1	21135	0.704		067	85°	31452	10.484		046	FOR DESCRIPTION
	4303		208			4750		215		
	4095		208			4535		213		TK E. LANDA
	3887		416			4322		428		
2	12285	4.095		483		13607	4.536		474	
	5948		211			6750		213		
	5737		212			6537		215		
	5525		423			6322		428		
3	17210	5.737		906		19609	6.536		902	
	2142		212			10079		211		
	1930		210			9868		213		
	1720		422			9655		424		
4	5792	1.931		1328		29602	9.867		1.326	
	0606		162			10031		167		
	0444		163			9864		165		
	0281		325			9699		332		
5	1331	0.444		1.653		29594	9.865		1.658	
		12.911					41.288			

F.B. 1351 PG. 235

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by J. SHINODA Time 10:45-2:20PM Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-17 To BM 17-17A
Date 7-30-52
Indexed A. C. Johnson

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
	0563	12.911	117	1.653		9527	41.288	117	1.658	
	0446		118			9410		117		
	0328		235			9293		234		
6	1337	0.446		1.888		28230	9.410		1.892	
	0822		118			8697		117		
	0704		116			8580		118		
	0588		234			8462		235		
7	2114	0.705		2.122		25739	8.580		2.127	
	1179		118			9030		118		
	1061		119			8912		114		
	0942		237			8798		232		
8	3182	1.061		2.359		26740	8.913		2.359	
	0598		135			9888		132		
	0463		131			9756		132		
	0332		266			9624		264		
9	1393	0.464		2.625		29268	9.756		2.623	
	0817		147			10050		149		
	0670		147			9901		148		
	0523		294			9753		297		
10	2010	0.670		2.919		29704	9.901		2.920	
		16.257					87.848			

F.B. 1381 PG. 236

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 10:45-2:20 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-17 To BM 17-18
Date 7-30-52
Indexed E. C. Johnson

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
	0561	16.257	131	2.919		9500	17.148	131	2.920	
	0430		130			9369		132		
	0300		261			9237		263		
11	1291	0.430		3.180		18100	9.369		3.183	
	0680		130			9470		133		
	0550		131			9337		131		
	0419		261			9206		264		
12	1649	0.550		3.441		18013	9.338		3.447	
	0590		131			9823		133		
	0459		131			9690		130		
	0328		262			9560		263		
13	1377	0.459		3.703		29073	9.691		3.710	
	2386		084			9415		084		
	2302		082			9331		082		ONE HOUR FOR LUNCH
	2220		166			9249		166		
14	6908	2.303		3.869	87°	27995	9.332		3.876	
										BM 17-18
										ARROYO AVE .45 mi E SOVINA HILLS RD
										SEE F.B. 1381-125
										FOR DESCRIPTION
		19.999					125.578			

F.B. 1381 PG. 237

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 10:45-3:20PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-17 To BM 17-18A
Date 7-30-52
Indexed A. C. Johnson

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
	1980	19.999	149	3869		10781	125578	112	3.876	
	1831		146			10670		110		
	1685		295			10560		222		
15	5496	1.832		4164	94°	32012	10.671		4.098	
	0335		031			11327		037		
	0304		031			11290		038		
	0273		062			11252		0757		
16	0912	0.304		4226		33869	11.290		4175	
	1225		024			11124		033		
	1201		023			11091		032		
	1178		047			11059		065		
17	3604	1.201		4273		33274	11.091		4238	
	0677		020			9772		024		
	0657		020			9748		025		
	0637		040			9723		049		
18	1971	0.657		4313		29243	9.748		4287	
	0507		029			10510		037		
	0478		030			10473		035		
	0448		059			10438		072		
19	1433	0.478		4372		31421	10.474		4359	
		24.471					178.852			

F.B. 381 PG. 238

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 10:45-2:20 PM Rod No. 546

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-17 To B.M. 17-18A
Date 7-30-52
Indexed R. G. Johnson

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
	0912	2.471	024	4.372		9851	17.852	031	4.359	
	0888		026			9820		031		
	0862		050			9789		062		
20	2662	0.887		4.422		29460	9.820		4.421	
	0910		051			9092		050		
	0859		051			9042		049		
	0808		102			8993		099		
21	2577	0.859		4.524		27127	9.042		4.520	
	0530		071			11329		077		
	0459		071			11252		075		SUMMATION OF RUN
	0388		142			11177		152		B.M. 17-17 TO B.M. 17-18A
22	1377	0.459		4.666		33758	11.253		4.672	
	0932		019			10514		014		
	0913		019			10500		015		TOTAL BACKSIGHTS + 29.033
	0894		038			10485		029		" FORESIGHTS - 224.013
23	2739	0.913		4.704		31499	10.500		4.701	DIFF. IN ELEVATION - 194.980
	1463		019			4566		020		B.M. 17-18A (U.S. 270)
	1444		020			4546		020		SEE F.B. 1381-125
	1424		039			4526		040		FOR DESCRIPTION
24	4331	1.444		4.743	91°	13638	4.546		4.741	
		29.033					224.013			

F.B. 1381 PG. 239

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 381 PG. 240										

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by J. SHIMODA Time 2:20- Rod No. 5 & 6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4925
From B.M. 17-17A To B.M. 17-17
Date 7-30-52
Indexed R. P. Johnson

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
	4617		021		#5	1512		020		B.M. 17-18A (US 270)
	4596		021			1492		020		SEE F.B. 1381-125
	4575		042			1472		040		FOR DESCRIPTION
1	13788	4596		042	91°	4476	1.492		040	
	11181		018			1602		025		
	11163		019			1577		027		* E. LANDA
	11144		037			1550		052		
2	33488	11.163		.079		4729	1.576		.092	
	11375		076			0578		074		
	11299		076			0504		072		
	11223		152			0432		146		
3	33897	11.299		.231		1514	0.505		.238	
	9222		050			1041		051		
	9172		050			0990		051		
	9122		100			0939		102		
4	27516	9.172		.331		2970	0.990		.340	
	9940		031			1001		025		
	9909		029			0976		025		
	9880		060			0951		050		
5	29729	9.910		.391		2928	0.976		.390	
		46.140					5.539			

F.B. 1381 PG. 241

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by J. SHINODA Time 2:20- Rod No. 5 & C

L.A. CO. PRECISE LEVEL NET
Name
Job No. 4923
From B.M. 17-18A To B.M. 17-17
Date 7-30-52
Indexed K. C. Johnson

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
	10551	46.140	034	.391		0550	5.539	030	.390	
	10517		036			0520		029		
	10481		070			0491		059		
6	31549	10.516		.461		1561	0.520		.449	
	9812		023			0718		020		
	9789		025			0698		021		
	9764		048			0677		041		
7	29365	9.788		.509		2093	0.698		.490	
	10720		031			0825		026		
	10689		031			0799		026		
	10658		062			0773		052		
8	32067	10.689		.571		2397	0.799		.542	
	11719		037			0731		033		
	11682		035			0698		034		
	11647		072			0664		067		
9	35048	11.683		.643		2093	0.698		.609	
	10744		111			1943		145		
	10633		111			1798		148		
	10522		222			1650		293		STOPPED 3:05 PM 7-30-52
10	31899	10.633		.865	96°	5391	1.797		.902	
		99449					10.051			

F.B. 1381 PG. 242

Form 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 8:40 - 9:35 AM Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-17A To B.M. 17-17
Date 7-31-52
Indexed L. C. Johnson

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
		9.149		.865			10.051		.902	B.M. 17-18
										ARROYO AVE. .45 MI. E. CHINA HILLS RD.
										SEE F.B. 1381-105
										FOR DESCRIPTION
	9467		086			2438		085		
	9381		082			2353		082		BEGAN 8:40 AM 7-31-52
	9299		168			2271		169		
11	28147	9.382		1.033	80°	7062	2.354		1.069	
	10095		137			0849		126		
	9958		138			0723		123		
	9820		275			0600		249		
12	29873	9.958		1.308		2172	0.724		1.318	
	9640		130			0852		131		
	9510		131			0721		130		
	9379		261			0591		261		
13	28529	9.510		1.569		2164	0.721		1.579	
	9753		133			0818		134		
	9620		130			0684		132		
	9490		263			0552		266		
14	28863	9.621		1.832		2054	0.685		1.845	
		37.920					14.535			

F.B. 1381 PG. 243

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 8:40-9:35 AM Rod No. 5EC

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-18A To B.M. 17-17
Date 7-31-52
Indexed A. C. Johnson

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
	10053	137.920	146	1.832		0820	14535	148	1845	
	9907		147			0672		146		
	9760		293			0526		294		
15	29720	9.907		2.125		2018	0.673		2.139	
	10092		133			0799		131		
	9959		130			0668		130		
	9829		263			0538		261		
16	29880	9.960		2.388		2005	0.668		2.400	
	9502		121			1644		114		
	9381		121			1530		112		
	9260		242			1418		226		
17	28143	9.381		2.630		4592	1.531		2.626	
	8972		115			1100		118		
	8857		117			0982		116		
	8740		232			0866		234		
18	26569	8.856		2.862		2948	0.983		2.860	
	9810		115			0849		119		
	9695		115			0730		118		
	9580		230			0612		237		
19	29085	9.695		3.092		2191	0.730		3.097	
		185.719					19.120			

F.B. 1381 PG. 244

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 8:40-9:35AM Rod No. 5 & 6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-18A To B.M. 17-17
Date 7-31-5
Indexed R. C. Johnson

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
	10533	185.719	168	3.092		1106	19.120	163	3.097	
	10365		165			0943		162		
	10200		333			0781		325		
20	31098	10.366		3.425		2830	0.943		3.422	
	10073		213			2137		214		
	9860		210			1923		211		
	9650		423			1712		425		
21	29583	9.861		3.848		5772	1.924		3.847	
	6833		215			6015		210		
	6618		216			5805		208		SUMMATION OF RUN
	6402		431			5597		418		B.M. 17-18A TO B.M. 17-17
22	19853	6.618		4.279		17417	5.806		4.265	
	4522		212			4083		208		
	4310		210			3875		208		TOTAL BACKSIGHTS = 227.353
	4100		422			3667		416		" FORESIGHTS = 32.364
23	12932	4.311		4.701		11625	3.875		4.681	DIFF. IN ELEVATION = 194.989
	10500		022			0729		034		B.M. 17-17 (U.S. 36)
	10478		023			0695		032		ARROYO AVE & COLINA HILLS RD
	10455		045			0663		066		SEE F.B. 1381-124
24	31433	10.478		4.746	84°	2087	0.696		4.747	FOR DESCRIPTION
		227.353					32.364			

F.B. 1381 PG. 245

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 381 PG. 246										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G E DREIER Weather HAZY Inst. No. 50010
Notes by S SHINODA Time 9:40 - 10:35 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-17 To B.M. 17-18
Date 7-31-52
Indexed R. O. Johnson

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
	0686		033		#5	10457		023		B.M. 17-17 (U.S. 368)
	0653		033			10434		022		ARROYO AVE & COVINA HILLS RD
	0620		066			10412		045		SEE F.B. 1381-124
1	1959	0653		066	84°	31303	10.434		045	FOR DESCRIPTION
	4101		209			4539		214		
	3892		207			4325		212		⊼ E LANDA
	3685		416			4113		426		
2	11678	3.893		482		12977	4.326		471	
	5975		214			6785		212		
	5761		211			6573		213		
	5550		425			6360		425		
3	17286	5.762		907		19718	6.573		.896	
	2188		215			10120		210		
	1973		211			9910		212		
	1762		426			9698		422		
4	5923	1.974		1333		29728	9.909		1318	
	0710		162			10137		167		
	0548		159			9970		169		
	0389		321			9801		336		
5	1647	0.549		1654		29908	9.969		1.654	
		12.831					41.211			

F.B. 1381 PG 247

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 9:40 - 10:35 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-17 To BM 17-18
Date 7-31-52
Indexed C. Johnson

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
	0818	12.831	117	1.654		9785	11.211	117	1.654	
	0701		115			9668		118		
	0586		232			9550		235		
6	21051	0.702		1.886		29003	9.668		1.889	
	0988		117			8862		116		
	0871		114			8746		117		
	0757		237			8629		233		
7	26161	0.872		2.117		26237	8.746		2.122	
	1395		118			9249		119		
	1277		117			9130		118		
	1160		235			9012		237		
8	38322	1.277		2.352		27391	9.130		2.359	
	0583		132			9878		135		
	0451		131			9743		131		
	0320		263			9612		266		
9	13542	0.451		2.615		27233	9.744		2.625	
	0844		145			10078		148		
	0699		147			9930		148		
	0552		292			9782		296		
10.	20952	0.698		2.907		29790	9.930		2.921	
		16.831					88.429			

F.B. 138 PG. 2-48

FORM 879 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 9:40-10:35AM Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M 17-17 To B.M 17-18
Date 7-31-52
Indexed L. C. Johnson

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
	0615	16831	135	2.907		9548	88.429	132	2.921	
	0480		131			9416		133		
	0349		266			9283		265		
11	1944	0.481		3.173		28247	9.416		3.186	
	0653		130			9444		134		
	0523		128			9310		131		SUMMATION OF RUN
	0395		258			9179		265		B.M 17-17 TO B.M 17-18
12	1571	0.524		3.431		27933	9.311		3.451	
	0526		134			9755		131		TOTAL BACKSIGHTS +20.349
	0392		131			9624		130		- FORESIGHTS -125.930
	0261		265			9494		261		DIFF. IN ELEVATION = 105.581
13	1179	0.393		3.696		28873	9.624		3.712	
	2208		088			9229		079		B.M 17-18
	2120		088			9150		080		ARROYO AVE .45 MI. E COVINA HILLS RD
	2032		176			9070		159		SEE F.B. 1381-125
14	6360	2.120		3.872	85°	27449	9.150		3.871	FOR DESCRIPTION
		20.349					125.930			

F.B. 1381 PG. 249

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1381 - PG. 250										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 10:55-1:30 PM Rod No. 596

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-18A To B.M. 17-17
Date 7-31-52
Indexed R. C. Johnson

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
	4030		095		#5	10302		095		
	3935		092			10207		098		B.M. 17-18A (U.S. 37[illegible])
	3843		187			10109		193		SEE F.B. 1381-125
1	11808	3.936		.187	85°	30618	10.206		.193	FOR DESCRIPTION
	8967		070			0832		072		
	8897		069			0760		072		⊼ E. LANDA
	8828		139			0688		144		
2	26692	8.897		.326		22800	0.760		.337	
	1108		149			8285		145		
	0959		148			8140		146		
	0811		297			7994		291		
3	2878	0.959		.623		24419	8.140		.628	
	1260		174			9259		178		
	1086		176			9081		174		
	0910		350			8907		352		
4	3256	1.085		.973		27247	9.082		.980	
	1127		185			10400		180		
	0942		182			10220		184		
	0760		367			10036		364		
5	2829	0.943		1.340		30656	10.219		1.344	
		15.820					38.407			

F.B. 1381 PG 251

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 10:55-1:30PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-18A To B.M. 17-19
Date 7-31-52
Indexed A. C. Johnson

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
	0779	1.582	167	1.340		11010	5.407	198	1.344	
	0612		164			10812		194		
	0448		331			10618		392		
6	1839	0.613		1.671		32440	10.813		1.736	
	1349		157			9126		136		
	1192		154			8990		136		
	1038		311			8854		272		
7	3579	1.193		1.982		26970	8.990		2.008	
	0755		148			8511		146		
	0607		147			8365		145		
	0460		295			8220		291		
8	1822	0.607		2.277		25096	8.365		2.299	
	0971		151			5683		140		
	0820		151			5543		140		
	0669		302			5403		280		
9	2460	0.820		2.579		16629	5.543		2.579	
	4124		212			4888		211		
	3912		212			4677		209		
	3700		424			4468		420		
10	11736	3.912		3.003		14033	4.678		2.999	
		22.965					76.796			

F.B. 138 PG. 252

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. Dreier Weather Hazy Inst. No. 50010
Notes by S. Shinozu Time 10:55 - 1:30 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-18A To BM 17-19
Date 7-31-52
Indexed L. C. Johnson

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
	5448	2.965	213	3.003		5342	7.696	212	2.999	
	5235		213			5130		211		
	5022		426			4919		423		
11	15705	5.235		3.429		15391	5.130		3.422	
	4894		214			6268		215		
	4680		211			6053		213		
	4469		425			5840		428		
12	14043	4.681		3.854		18161	6.054		3.850	
	5060		210			6210		216		
	4850		212			5994		214		ONE HOUR FOR LUNCH
	4638		422			5780		430		SUMMATION OF RUN
13	14548	4.849		4.276	92°	17984	5.995		4.280	BM 17-18A TO BM 17-19
	4595		086			0670		112		TOTAL BACKSIGHTS + 52.516
	4509		086			0558		110		FORESIGHTS − 97.126
	4423		172			0448		222		DIFF. IN ELEVATION − 44.610
14	13527	4.509		4.448	95°	1676	0.559		4.502	
	10369		092			2688		096		BM 17-19
	10277		091			2592		096		
	10186		183			2496		192		SEE F.B. 1381-12
15	30832	10.277		4.631		7776	2.592		4.694	FOR DESCRIPTION
		52.696					97.126			
		51								

F.B. 1381 PG. 253

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1381 PG. 254										

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 1:30-2:40PM Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-19 To BM 17-18A
Date 7-31-52
Indexed C. Johnson

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
	2851		092		#5	10538		096		BM 17-19
	2759		092			10442		093		
	2667		184			10349		189		SEE F.B. 1381-126
1	8277	2.759		.184	95°	31329	10443		.189	FOR DESCRIPTION
	0448		108			4389		099		
	0340		105			4290		095		⊼ E LANDA
	0235		213			4195		194		
2	1023	0.341		.397		12874	4291		.383	
	5932		212			4790		215		
	5720		209			4575		215		
	5511		421			4360		430		
3	17163	5.721		.818		13725	4575		.813	
	7016		218			5638		217		
	6798		216			5421		213		
	6582		434			5208		430		
4	20396	6.799		1.252		16267	5.422		1.243	
	5453		213			5556		214		
	5240		213			5342		214		
	5027		426			5131		425		
5	15720	5.240		1.678		16029	5.343		1.668	
		20.860					30.074			

F.B. 1381 PG. 255

FORM 279 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party: G. E. DREIER Weather: HAZY Inst. No.: 50010
Notes by: S. SHINODA Time: 1:30-2:40 PM Rod No.: S&G

Name: L. A. CO. PRECISE LEVEL NET
Job No.: 4923
From: B.M. 17-19 To: B.M. 17-18A
Date: 7-31-52
Indexed: L. C. Johnson

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
	4809	20.860	211	1.678		4044	30.074	213	1.668	
	4598		211			3831		212		
	4387		422			3619		425		
6	13794	4598		2.100		11494	3831		2.093	
	5615		139			0906		155		
	5476		138			0751		153		
	5338		277			0598		308		
7	16429	5.476		2.377		2255	0.752		2.401	
	8553		146			0798		149		
	8407		147			0649		148		
	8260		293			0501		297		
8	25220	8.407		2.670		1948	0.649		2.698	
	9270		146			1472		147		
	9124		143			1325		145		
	8981		289			1180		292		
9	27375	9.125		2.959		3977	1.326		2.990	
	10893		193			0667		169		
	10700		195			0498		169		
	10505		388			0329		338		
10	32098	10.699		3.347		1494	0.498		3.328	
		59.165					37.130			

F.B. 381 PG. 256

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 1:30-2:40 P.M. Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-19 To B.M. 17-18A
Date 7-31-52
Indexed K. C. Johnson

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
	10408	59.165	181	3.347		1132	37.130	185	3.328	
	10227		179			0947		186		
	10048		360			0761		371		
11	30683	10.228		3.707		2840	0.947		3.699	
	9249		177			1252		176		
	9072		173			1076		176		
	8899		350			0900		352		
12	27220	9.073		4.057		3228	1.076		4.051	
	8353		145			1171		146		
	8208		146			1025		146		SUMMATION OF RUN
	8062		291			0879		292		B.M. 17-19 TO B.M. 17-18A
13	24623	8.208		4.348		3075	1.025		4.343	
	0912		072			9049		071		TOTAL BACKSIGHTS = 97.662
	0840		072			8978		069		" FORESIGHTS = 53.036
	0768		144			8909		140		DIFF. IN ELEVATION = 44.630
14	2520	0.840		4.492		26936	8.979		4.483	
	10250		099			3973		093		BM 17-18A (U.S. 370)
	10151		097			3880		096		SEE F.B. 1381-125
	10054		196			3784		189		FOR DESCRIPTION
15	30455	10.152		4.688	92°	11637	3.879		4.672	
		97.662					53.036			

F.B. 1381 PG. 257

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1381 PG. 258

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:00 - 10:00 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-18A To B.M. 17-19
Date 8-1-52
Indexed K. C. Johnson

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
	3958		092		#5	10215		097		
	3866		094			10118		097		BM 17-18A
	3752		186			10021		194		SEE FB 1381-125
1.	11536	3.845		.186	78°	30354	10.118		.194	FOR DESCRIPTION
	8696		070			0569		072		
	8626		069			0488		071		π G.E. DREIER
	8557		139			0417		143		
2	25879	8.626		.325		1465	0.488		.337	
	1317		147			8497		146		
	1170		147			8351		144		
	1023		294			8207		290		
3	3510	1.170		.619		25055	8.352		.627	
	1284		176			9282		175		
	1108		176			9107		175		
	0932		352			8932		350		
4	3324	1.108		.971		27321	9.107		.977	
	1206		184			10485		183		
	1022		182			10302		182		
	0840		366			10120		365		
5	3068	1.023		1.337		30907	10.302		1.342	
		15.772					28.867			

F.B. 1381 PG 259

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G E DREIER Weather CLEAR Inst. No. 50010
Notes by S SHINODA Time 9:00-10:00AM Rod No. 5&6

Name L. A. CO. PRECISE LEVEL
Job No. 4923
From BM 17-18A To BM 17-19
Date 8-1-52
Indexed L. C. Johnson

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
	0564	15.772	177	1.337		10772	28.367	184	1.342	
	0387		177			10588		185		
	0210		354			10403		369		
6	1161	0.387		1.691		31763	10.588		1.711	
	1573		146			9371		145		
	1427		147			9226		143		
	1280		293			9083		288		
7	4280	1.427		1.984		27680	9.227		1.999	
	0933		145			8697		147		
	0788		146			8550		148		
	0642		291			8402		295		
8	2363	0.788		2.275		25649	8.550		2.294	
	1093		151			5803		139		
	0942		151			5664		138		
	0791		302			5526		277		
9	2826	0.942		2.577		16993	5.664		2.571	
	3856		215			4619		209		
	3641		212			4410		210		
	3429		427			4200		419		
10	10926	3.642		3.004		13229	4.410		2.990	
		22.958					70.706			

F.B. 1381 PG. 260

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:00 - 10:00 AM Rod No. S & C

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 17-18A To B.M. 17-19
Date 8-1-52
Indexed E. C. Johnson

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
	5614	22.958	212	3.004		5511	76.800	212	2.990	
	5402		212			5299		208		
	5190		424			5091		420		
11.	16206	5.402		3.424		15901	5.300		3.410	
	4742		211			6120		210		
	4531		212			5910		212		
	4319		423			5698		422		
12.	13592	4.531		3.847		17728	5.909		3.832	
	4817		215			5961		211		
	4602		212			5750		211		
	4390		427			5539		422		
13	13809	4.603		4.274		17250	5.750		4.254	
	4982		100			1031		100		
	4882		100			0931		099		
	4782		200			0832		199		
14	14646	4.882		4.474		2794	0.931		4.453	
	11039		099			3345		088		
	10940		098			3257		089		
	10842		197			3168		177		
15.	32821	10.940		4.671	86°	9770	3.257		4.630	
		53.316					97.953			

SUMMATION OF RUN
B.M. 17-18A TO B.M. 17-19

TOTAL BACKSIGHTS + 53.316
" FORESIGHTS − 97.953
DIFF. IN ELEVATION = 44.637

B.M. 17-19
SEE F.B. 1381-126
FOR DESCRIPTION

F.B. 1381 PG. 2-61

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

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

Name L. A. CO. PRECISE LEVEL NET
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. 1381 PG. 262

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 10:20-11:35 A.M. Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4925
From B.M. 17-19 To B.M. 17-21
Date 8-1-52
Indexed E. G. Johnson

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
	4738		210		85	7041		211		
	4528		211			6830		210		B.M. 17-19
	4317		421			6620		421		SEE F.B. 1381-126
1	13583	4528		421	86°	20491	6830		421 (1)	FOR DESCRIPTION
	3553		211			6653		211		
	3342		212			6442		211		⊼ G.E. DREIER
	3130		423			6231		422		
2	10025	3.342		.844		19326	6442		.844 (3)	
	4058		211			5560		212		
	3847		210			5348		212		
	3637		421			5136		424		
3	11542	3.847		1.265		16044	5348		1.268 (7)	
	5943		212			4130		213		
	5731		210			3917		212		
	5521		422			3705		425		
4	17195	5.732		1.687		11752	3.917		1.698 (2)	
	7038		213			3202		211		
	6825		210			2991		211		
	6615		423			2780		422		
5.	20478	6.826		2.110		8973	2.991		2.110 (4)	
		24.275					25.528			

FB 1381 PG 263

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 10:20-11:35 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-19 To BM 17-21
Date 8-1-52
Indexed K. C. Johnson

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
	7062	24.275	211	2.110		4253	25.528	211	2.115	
	6851		211			4042		211		
	6640		422			3831		422		
6	20553	6.851		2532		12126	4.042		2537	
	5977		215			5113		210		
	5762		211			4903		211		
	5551		426			4692		421		
7	17290	5.763		2958		14708	4.903		2958	
	5155		212			5701		212		
	4943		211			5489		212		
	4732		423			5277		424		
8	14830	4.943		3381		16467	5.489		3382	
	3802		212			5771		211		
	3590		212			5560		213		
	3378		424			5347		424		
9	10770	3.590		3805		16678	5.559		3806	
	3131		210			5982		209		
	2921		210			5773		205		
	2711		420			5568		414		
10	8763	2.921		4225		17323	5.774		4220	
		48.343					51.295			

F.B. 1381 PG. 264

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 10:20-11:35 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-19 To B.M. 17-21
Date 8-1-52
Indexed L. G. Johnson

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
		48.323		4.225			51.295		4.219	BM 17-20
										ARROYO AVE & GANESHA BLVD
										SEE F.B. 1381-127
										FOR DESCRIPTION
	4939		210			5267		214		
	4729		210			5053		213		T. E. LANDA
	4519		420			4840		427		
11	14187	4729		4645		15460	5053		4646	
	4900		216			4235		215		
	4684		212			4020		211		
	4472		428			3809		426		
12	14056	4685		5073		12064	4021		5072	
	5784		213			4379		215		
	5571		213			4164		214		
	5358		426			3950		429		
13	16713	5571		5499		12493	4164		5501	
	5498		211			3870		211		
	5287		212			3659		214		
	5075		423			3445		425		
14	15860	5287		5922		10974	3658		5926	
		68.615					68.191			

F.B. 1381 PG. 265

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 10:20-11:35 AM Rod No. 5 & C

Name L. A. CO. PRECISE LEVEL NET
Job No. 2923
From B.M. 17-19 To B.M. 17-21
Date 8-1-52
Indexed A. C. Johnson

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
	5533	68.615	213	5922		4465	68.194	213	5926	
	5320		214			4252		212		SUMMATION OF RUN
	5106		427			4040		425		B.M. 17-19 TO B.M. 17-21
15	15959	5320		6349		12757	4252		6351	
	5702		221			4328		221		
	5481		218			4107		219		TOTAL BACKSIGHTS +82.997
	5263		439			3888		440		FORESIGHTS −82.528
16	16446	5482		6788		12323	4108		6794	DIFF IN ELEVATION + 2.469
	5710		130			6109		132		B.M. 17-21
	5580		130			5977		132		ARROYO AVE & HOLT AVE
	5450		260			5845		264		SEE F.B. 1381-128
17	16740	5580		7048	92°	17931	5977		7055	FOR DESCRIPTION
		82.997					82.528			

F.B. 1381 PG. 266

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 11:35-2:15 PM Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-21 To B.M. 17-19
Date 8-1-52
Indexed R. C. Johnson

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
	6050		132		#5	5645		130		BM 17-21
	5918		133			5515		128		ARROYO AVE & HOLT AVE
	5785		265			5387		258		SEE F.B. 1381-128
1	17753	5.918		.265	92	16547	5.516		.258	FOR DESCRIPTION
	4450		222			5828		220		
	4228		218			5608		219		T. E. LANDA
	4010		440			5389		439		
2	12688	4.229		.705		16825	5.608		.697	
	4405		213			5468		215		
	4192		212			5253		213		
	3980		425			5040		428		
3	12577	4.192		1.130		15761	5.254		1.125	
	4003		213			5638		211		
	3790		212			5427		211		
	3578		425			5216		422		
4	11371	3.790		1.555		16281	5.427		1.547	
	4504		214			5908		214		
	4290		212			5694		214		
	4078		426			5480		428		
5	12872	4.291		1.981		17082	5.694		1.975	
		22.420					27.499			

F.B. 1381 PG. 767

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY & WINDY Inst. No. 50010
Notes by J. SHIMODA Time 11:35 - 2:15 PM Rod No. 5E6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-21 To BM 17-19
Date 8-1-52
Indexed E. C. Johnson

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
	4523	22.410	214	1.981		5190	27.199	212	1.975	
	4309		211			4978		213		
	4098		425			4765		425		
6	12730	4.310		2.406		14933	4.978		2.400	
	5321		213			4989		211		
	5108		213			4778		210		ONE HOUR FOR LUNCH
	4895		426			4568		421		
7	15324	5.108		2.832	91°	14335	4.778		2.821	
		31.838					37.355			BM 17-~~19~~ 20
										ARROYO AVE & GANESHA BLVD
										SEE F.B. 1381-127
										FOR DESCRIPTION
	5988		207			3132		209		
	5781		208			2923		210		
	5573		415			2713		419		
8 (F.B. 1381 PG. 268)	17342	5.781		3.247	93°	8768	2.923		3.240	
	5787		215			3811		211		
	5572		215			3601		211		
	5357		430			3391		422		
9	16716	5.572		3.677		10803	3.601		3.662	
		43.191					43.779			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY & WINDY Inst. No. 50010
Notes by S. SHIMODA Time 11:35 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-2 To BM 17-19
Date 8-1-52
Indexed L. C. Johnson

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
	5738	43.191	211	3.677		5188	43.779	210	3.662	
	5527		213			4978		211		
	5314		424			4767		421		
10	16579	5524		4101		14933	4.978		4088	
	5111		212			5971		211		
	4899		210			5760		210		
	4689		422			5550		421		
11	14699	4900		4523		17281	5.760		4504	
	4272		212			7081		212		
	4060		212			6869		212		
	3848		424			6657		424		
12	12180	4.060		4947		20607	6.869		4928	
	3193		212			7030		211		
	2981		212			6819		210		
	2769		424			6609		421		
13	8943	2.981		5371		20458	6.819		5349	
	4185		208			6003		215		
	3977		208			5788		216		
	3769		416			5572		431		
14	11931	3.977		5787		17363	5.788		5780	
		64.635					73.993			

FB 1381 PG. 269

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER
Notes by S. SHINODA
Weather HAZY & WINDY Inst. No. 50010
Time 11:35-2:15 P.M. Rod No. 5 & 6

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-21 To B.M. 17-19
Date 8-1-52
Indexed R. C. Johnson

Number of Settings	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
	5769	64.635	213	5.787		4265	75.793	211	5.760	
	5586		213			4052		211	98	SUMMATION OF RUN
	5343		426			3841		422		BM. 17-21 TO BM. 17-19
15	16668	5556		6.219		12158	4052		6.202	
	6622		211			3541		211		TOTAL BACKSIGHTS + 83.247
	6431		211			3330		210		" FORESIGHTS − 85.699
	6220		422			3120		421		DIFF. IN ELEVATION − 2.452
16	19293	6431		6.635		9991	3330		6.623	
	6833		208			4538		215		
	6625		207			4323		212		BM. 17-19
	6418		415			4111		427		SEE F.B. 1381-126
17.	19876	6625		7.050	94°	12972	4324		7.050	FOR DESCRIPTION
		83.247					85.699			

F.B. 1381 PG. 270

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY & WINDY Inst. No. 50010
Notes by S. SHINODA Time 2:50-3:25PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-19 To B.M. 17-20
Date 8-1-52
Indexed R. C. Johnson

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
	4502		211		#5	6809		211		
	4291		209			6598		211		B.M. 17-19
	4082		420			6387		422		SEE F.B. 1381-120
1	12875	4292		420	95°	19794	6598		422	FOR DESCRIPTION
	3518		209			6624		211		
	3309		211			6413		211		π G.E. DREIER
	3098		420			6202		422		
2	9925	3308		840		19239	6413		844	
	4089		212			5593		211		
	3877		211			5382		212		
	3666		423			5170		423		
3	11632	3877		1263		16145	5382		1267	
	5839		212			4030		212		
	5627		210			3818		215		
	5417		422			3603		427		
4	16883	5628		1685		11451	3817		1694	
	6999		211			3163		210		
	6788		210			2953		209		
	6578		421			2744		419		
5	20365	6788		2106		8860	2953		2113	
		20893					25163			

F.B. 1381 PG. 271

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather HAZY & Inst. No. 50010
Notes by S. SHIMODA Time 2:50-3:25 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-19 To B.M. 17-20
Date 8-1-52
Indexed R. C. Johnson

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
	7041	23.893	211	2106		4236	25.163	214	2.113	
	6830		212			4022		211		
	6618		423			3811		425		
6	20489	6.830		2529		12069	4.023		2538	
	5937		212			5081		211		
	5725		211			4870		212		
	5514		423			4658		423		
7	17176	5.725		2952		14609	4.870		2961	
	5099		210			5650		211		
	4889		210			5439		212		SUMMATION OF RUN
	4679		420			5227		423		B.M. 17-19 TO B.M. 17-20
8	14667	4.889		3372		16316	5.439		3384	
	3789		216			5759		211		TOTAL BACKSIGHTS + 48.273
	3573		212			5548		211		− FORESIGHTS − 51.262
	3361		428			5336		423		DIFF IN ELEVATION − 2.989
F.B. 1381 PG. 272 9	10723	3.574		3800		16643	5.548	3	3.806	
	3570		208			6429		210		BM 17-20
	3362		208			6219		210		ARROYO AVE & GANESHA BLVD
	3154		416			6009		420		SEE F.B. 1381-127
10	10086	3.362		4216	95°	18657	6.219		4226	FOR DESCRIPTION
		48.273					51.262			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 10:40-11:25AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-20 To B.M. 17-19
Date 8-4-52
Indexed R. C. Johnson

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
	6875		208		#5	4022		210		BM 17-20
	6667		208			3812		210		ARROYO AVE & GANESHA BLVD
	6459		416			3602		420		SEE F.B. 1381-127
1	20001	6.667		416	78°	11436	3.812		420	FOR DESCRIPTION
	5822		214			3848		211		
	5608		213			3637		213		π E. LANDA
	5395		427			3424		424		
2	16825	5608		843		10909	3.636		844	
	5770		214			5222		212		
	5556		212			5010		210		
	5344		426			4800		422		
3	16670	5557		1.269		15032	5.011		1.266	
	5230		215			6088		213		
	5015		213			5875		212		
	4802		428			5663		425		
4	15047	5.016		1.697		17626	5.875		1.691	
	4168		214			6972		212		
	3954		212			6760		211		
	3742		426			6549		423		
5	11864	3.955		2.123		20281	6.760		2.114	
		26.803					25.094			

F.B. 1381 PG. 2-73

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50040
Notes by S. SHINODA Time 10:40 AM - 11:25 AM Rod No. 56

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-20 To B.M. 17-19
Date 8-4-52
Indexed L. C. Johnson

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
	3102	26.803	212	2.123		6932	25.094	212	2.114	
	2890		212			6720		210		
	2678		424			6510		422		
6	8670	2.890		2.547		20162	6.721		2.536	
	4114		213			5923		211		
	3901		211			5712		210		
	3690		424			5502		421		
7	11705	3.902		2.971		17137	5.712		2.957	
	5589		212			4087		212		
	5377		215			3875		213		SUMMATION OF RUN
	5162		427			3662		425		B.M. 17-20 TO B.M. 17-19
8	16128	5.376		3.398		11624	3.875		3.382	
	6575		207			5486		216		TOTAL BACKSIGHTS + 52.206
	6368		208			5270		212		" FORESIGHTS − 49.230
	6160		415			5058		428		DIFF. IN ELEVATION + 2.976
9	19103	6.368		3.813		9814	3.271		3.810	
	7078		211			4770		213		
	6867		211			4557		214		BM 17-19
	6656		422			4343		427		SEE F.B. 1381-126
10	20601	6.867		4.235	80°	13670	4.557		4.237	FOR DESCRIPTION
		52.206					49.230			

F.B. 1381 PG. 274

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 1:20 - 2:00 P.M. Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-19 To B.M. 17-20
Date 8-4-52
Indexed E. G. Johnson

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
	4527		212		#5	6832		210		
	4315		212			6622		210		BM 17-19
	4103		424			6412		420		SEE F.B. 1381-120
1	12945	4315		424	83°	19866	6622		420	FOR DESCRIPTION
	3520		210			6620		212		
	3310		210			6408		210		R. E. LANDA
	3100		420			6198		422		
2	9930	3310		844		19226	6409		842	
	4079		214			5584		212		
	3865		211			5372		214		
	3654		425			5158		426		
3	11598	3866		1269		16114	5371		1268	
	5872		211			4066		214		
	5661		209			3852		212		
	5452		420			3640		426		
4	16985	5662		1689		11558	3853		1694	
	6898		214			3063		212		
	6684		211			2851		210		
	6473		425			2641		422		
5	20055	6685		2114		8555	2852		2116	
		23838					25107			

F.B. 1381 PG. 275

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 1:20-2:00 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 2923
From BM 17-19 To BM 17-20
Date 8-4-52
Indexed A. C. Johnson

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
	6949	23.838	212	2114		4143	25.107	213	2110	
	6737		212			3930		211		
	6525		424			3719		424		
6	20211	6.737		2538		11792	5.131		2540	
	5940		213			5082		212		
	5727		212			4870		212		
	5515		425			4658		424		
7	17182	5.727		2963		14610	4.870		2964	
	5100		211			5645		214		
	4889		210			5431		211		
	4679		421			5220		425		SUMMATION OF RUN
8	14668	4.889		3384		16296	5.432		3389	BM 17-19 TO BM 17-20
	3650		213			5625		217		
	3437		214			5408		216		TOTAL BACKSIGHTS +48.432
	3223		427			5192		433		− FORESIGHTS − 51.406
9	10310	3.437		3811		16225	5.408		3822	DIFF. IN ELEVATION − 2.974
	4017		214			6863		205		
	3803		212			6658		206		BM 17-20
	3591		426			6452		411		ARROYO AVE & GANESHA BLVD
10	11411	3.804		4237	85°	19973	6.658		4233	SEE F.B. 1381-127
		48.432					51.406			FOR DESCRIPTION

F.B. 1381 PG. 276

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G E DREIER Weather CLEAR Inst. No. 50010
Notes by S SHINODA Time 9:00-9:45 A.M. Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-21 To BM 11-87
Date 8-4-52
Indexed K. G. Johnson

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
	6451		213		#5	4273		212		B.M. 17-21
	6238		214			4061		211		ARROYO AVE & HOLT AVE
	6024		427			3850		423		SEE F.B. 1391-128
1	18713	6.238		427	66°	12184	4061		423	FOR DESCRIPTION
	4850		215			5988		214		
	4635		212			5774		213		R E LANDA
	4423		427			5561		427		
2	13908	4.636		.854		17323	5774		.850	
	4999		213			5061		211		
	4786		212			4850		212		
	4571		425			4638		423		
3	14356	4.786		1.279		14549	4.850		1.273	
	5108		210			5366		215		
	4898		213			5151		213		
	4685		423			4938		428		
4	14691	4.897		1.702		15455	5.152		1.701	
	4771		203			6842		205		
	4568		203			6637		207		
	4365		406			6430		412		
5	13704	4.568		2.108		19909	6.636		2.113	
		25.125					26.473			

F.B. 1391 PG. 277

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:00-9:45 A.M. Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-21 To BM 11-87
Date 8-4-52
Indexed A. C. Johnson

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
	6172	25.125	227	2.108		5880	26.473	211	2.113	
	5945		227			5669		211		
	5718		454			5458		422		
6	17835	5.945		2.562		17007	5669		2.535	
	4338		208			4360		221		
	4130		205			4139		220		
	3925		413			3919		441		
7	12393	4.131		2.975		12418	4.139		2.976	
	6202		212			4514		214		
	5990		211			4300		210		SUMMATION OF RUN
	5779		423			4090		424		BM 17-21 TO BM 11-87
8	17971	5.990		3.398		12904	4.301		3.400	
	5860		211			4503		213		TOTAL BACKSIGHTS + 52.779
	5649		211			4290		212		" FORESIGHTS − 49.955
	5438		422			4078		425		DIFF. IN ELEVATION + 2.824
9	16947	5.649		3.820		12871	4.290		3.825	
	6118		180			5260		178		BM 11-87
	5938		178			5082		175		POMONA COVINA RD. & S.P.R.R.
	5760		358			4907		353		SEE F.B. 1376-78
10	17816	5.939		4.178	72°	15249	5.083		4.178	FOR DESCRIPTION
		52.779					49.955			

F.B. 1381 PG. 278

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E DREIER Weather CLEAR Inst. No. 50010
Notes by S SHINODA Time 9.45-10:25AM Rod No. 5&6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From BM 11-87 To BM 17-21
Date 8-4-52
Indexed L. C. Johnson

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
	5270		179		#5	6.126		178		BM 11-87
	5091		178			5948		178		POMONA COVINA RD & SPRR
	4.913		357			5770		356		SEE F.B. 1376-78
1	15274	5.091		357	72°	17844	5.948		356	FOR DESCRIPTION
	4497		216			5850		211		
	4281		212			5639		210		T E LANDA
	4069		428			5429		421		
2	12847	4282		785		16918	5639		777	
	4359		211			6090		212		
	4188		212			5878		213		
	3976		423			5665		425		
3	12563	4188		1208		17633	5878		1202	
	4307		212			4298		215		
	4095		213			4083		211		
	3882		425			3872		426		
4	12284	4095		1633		12253	4.084		1628	
	5873		216			6150		220		
	5657		217			5930		222		
	5440		433			5708		442		
5	16970	5.657		2066		17788	5.929		2079	
		23313					27.478			

F.B. 1381 PG 279

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather CLEAR Inst. No. 50016
Notes by S. SHINODA Time 9:45-10:25 AM Rod No. 5 & 6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-87 To BM 17-21
Date 8-4-52
Indexed A. C. Johnson

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
	6850	23.313	203	2.066		4780	21.478	203	2.070	
	6647		207			4577		204		
	6440		410			4373		407		
6	19937	6.646		2.476		13730	4.577		2.477	
	5298		216			5039		210		
	5082		212			4829		211		
	4870		428			4618		421		
7	15250	5.083		2.904		14486	4.829		2.898	
	5101		213			5038		215		
	4888		214			4823		212		SUMMATION OF RUN
	4674		427			4611		427		BM 11-87 TO BM 17-21
8	14663	4.888		3.331		14472	4.824		3.325	
	5942		212			4803		212		TOTAL BACKSIGHTS + 49.478
	5730		212			4591		212		" FORESIGHTS − 52.294
	5518		424			4379		424		DIFF. IN ELEVATION − 2.816
9	17190	5.730		3.755		13773	4.591		3.749	
	4030		211			6208		214		BM 17-21
	3819		214			5994		211		ARROYO AVE & HOLT AVE
	3605		425			5783		425		SEE F.B. 1381-128
10	11454	3.818		4.180	76°	17985	5.995		4.174	FOR DESCRIPTION
		49.478					52.294			

F.B. 1381 PG. 28

FORM 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 2:30-2:50PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-87 To BM 11-88
Date 8-4-52
Indexed A. C. Johnson

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
	3672		275		#5	8448		265		BM 11-87
	3397		277			8183		263		POMONA & COVINA RD & S.P.R.R
	3120		552			7920		528		SEE F.B 1376-78
1	10189	3.396		552	90°	24551	8184		528	FOR DESCRIPTION
	3423		205			7039		220		
	3218		205			6819		218		⊼ G.E. DREIER
	3013		410			6601		438		
2	9654	3.218		962		20459	6.820		966	
	2940		209			7529		189		
	2731		208			7340		189		B.M. 11-88 (CLAREMONT A6B)
	2523		417			7151		378		SEE F.B 1376-79
3	8194	2.731		1379	93°	22020	7.340		1344	FOR DESCRIPTION
										SUMMATION OF RUN
										BM 11-87 TO BM 11-88
										TOTAL BACKSIGHTS +9.345
										" FORESIGHTS -22.344
										DIFF. IN ELEVATION -12.999
		9.345					22.344			

F.B. 1381 [illegible]

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

Chief of Party G.E. DREIER Weather HAZY Inst. No. 50010
Notes by S. SHINODA Time 2:50-3:10 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-88 To BM 11-87
Date 8-4-52
Indexed L. O. Johnson

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
	7503		186		85	2914		211		
	7317		189			2703		208		BM 11-88 (CLAREMONT A-68)
	7128		375			2495		419		SEE F.B. 1376-79
1	21948	7316		375	93°	8112	2704		419	FOR DESCRIPTION
	7090		223			3468		202		
	6867		224			3266		203		* G.E. DREIER
	6643		447			3063		405		
2	20600	6867		822		9797	3266		824	
	6795		138			3817		135		
	6657		140			3682		134		SUMMATION OF RUN
	6517		278			3548		269		BM 11-88 TO BM 11-87
3	19969	6656		1100		11047	3682		1093	
	6536		141			4701		125		TOTAL BACKSIGHTS + 27.235
	6395		137			4576		126		" FORESIGHTS − 14.228
	6258		278			4450		251		DIFF IN ELEVATION + 13.007
4	19189	6396		1378	93°	13727	4576		1344	
										BM 1-87
										POMONA & COVINA RD & S.P.R.R.
										SEE F.B. 1376-78
										FOR DESCRIPTION
		27.235					14.228			

F.B. 581 PG. 282

76S420 S & E-353 4-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 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

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
BM 17-10	579.515					BM 17-10 Elev. 579.515 F.B. 1381-117 Grand Ave. and Covina Hills Rd (To East) (Rowland Ave to West) a Std. Co. Sur. Mon. set in conc. 9" below the surface on the inter. of the sts. and in a well protected by a cast iron cover marked County Surveyor Monument.
+	5.769		+5.573			
π	585.284	-0.207	-0.206			
−	5.976		-5.779			
HV 137	579.308					H.V. 137 F.B. 1381 pg 117 Grand Ave & Rowland St, N.W. Cor Bt spk. in Curb, W. end C.R.
+	3.007		+2.739			
π	582.315	-3.392	-3.393			
−	6.399		-6.122			
B.M 17-10A	575.916					B.M. 17-10A F.B. 1381 pg 117 Rowland Ave 270 W. of ℄ Grand Ave in N. curb in front of House 1339 a Bt spk. set in Lead B.M. Chisel in curb.
+	6.863		+6.771			
π	582.779	+3.598	+3.601			
−	3.265		-3.170			
B.M-17-10	579.514					B.M. 17-10 Elv. 579.515 see above for Discription

NOTES RED. JOB NO. 0301.02 SURVEY OF T.A. Co. Precise Level Net
DATE SURVEY BY F. E. Brooks
NOTES CHKD. NOTES BY A. R. Barito Hi DATE 9 Jan 61
DATE INDEXED H. E. [illegible] DATE JAN 1 8[illegible]

F. B. 1381 Pg. [illegible]

JOB NO. _____ SURVEY OF _____ NOTES RED. _____

SURVEY BY _____ DATE _____

NOTES BY _____ DATE _____ NOTES _____

INDEXED _____ DATE _____ DATE _____

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION

76S420 S & E-353 4-54

LOS [redacted]

725 LO[redacted]

[redacted] CHANGES OR [redacted] AND [redacted]