Notes Ck'd by	Survey of	F. B. 1390 Pg.
Map No.	JN Tape Std °F	
Office Work	Surveyed by	
Checked	Notes Date	
Date	Indexed	

BOOK INDEX

F.B. 1390 - PAGES

LINE NO 17

DIFF. IN ELEV., NOV. 1952	5 THRU 140
DESCRIPTIONS, B.M. 17-3A & 17-7B (1960)	141 THRU 144

LINE NO 39

DIFF. IN ELEV., AUG. 1963	161 THRU 258

403 LD DEP
76F309

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. Onaier Weather Clear Inst. No. 50010
Notes by H. G. Block Time 2:00 - 2:15 Rod No. 5

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-29 To B.M. 11-30
Date 11-28-52
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
11-29	5544		48		#5	4659		49		B.M. 11-29 TO B.M. 11-30
	5496		47			4610		48		Centerline Gladstone St & Citrus Ave
	5449		95			4562		97		See F.B. 1376-30
	16489	5496			61°	13831	4610			for description
11-30	4778		49			5661		48		B.M. 11-30 (U.S. 2787)
	4729		49			5613		46		Citrus Ave & Gladstone St)
	4680		98			5567		94		See F.B. 1376-30
	14187	4729				16841	5614			TO B.M. 11-29
11-29	5414		47			4530		48		B.M. 11-29 TO B.M. 11-30
	5367		48			4482		50		
	5319		95			4432		98		
	16100	5367			62	13444	4481			
										T. E. Landa
										SUMMATION OF RUNS
										B.M. 11-29 TO B.M. 11-30
										DIFF IN ELEVATION +0.886

F.B. 1390 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 OVERCAST Inst. No. 50010
Notes by J. SHINODA Time 9:50-10:25AM Rod No. 54C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-30 To B.M. 17-1
Date 11-13-52
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
	4188		216		#5	6385		259		B.M. 11-30 (U.S. 2?8)
	3972		215			6126		259		CITRUS AVE & GLADSTONE
	3757		431			5867		518		SEE F.B. 1376-30
1	11917	3.972		.431	62°	18378	6.126		.518	FOR DESCRIPTION.
	5289		230			6484		197		
	5059		230			6287		196		T GE DREIER
	4829		460			6091		393		
2	15177	5.059		.891		18862	6.287		.914	
	4960		212			6061		212		
	4748		212			5849		212		
	4536		424			5637		424		
3	14244	4.748		1.315		17547	5.849		1.335	
	5820		217			2763		210		
	5603		215			2553		211		
	5388		432			2342		421		
4	16811	5.604		1.747		7658	2.553		1.756	
	6662		255			9849		253		
	6407		255			9596		251		
	6152		510			9345		504		
5	19221	6.407		2.257		28790	9.597		2.260	
		25.790					30.412			

F.B. 1390 PG. 7

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 9:50-10:25 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-30 To BM 17-1
Date 11-13-52
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
	1758	25.790	213	2257		6701	30.112	212	2269	
	1545		213			6489		215		
	1332		426			6274		427		
6	14635	1.505		2683		19464	6.488		2687	
	5931		215			5076		214		
	5716		214			4862		210		SUMMATION OF RUN
	5502		429			4652		424		BM 11-30 70 BM 17-1
7	17149	5.716		3112		19590	18.63		3111	
	6473		211			6359		214		TOTAL BACKSIGHTS + 44.287
	6262		212			5145		214		- FORE - -53.299
	6050		423			4931		428		DIFF IN ELEVATION - 9.012
8	18785	6.263		3535		15435	5.145		3599	
	5191		218			6603		212		BM 17-1
	4973		218			6391		213		CITRUS AVE & ARROW HWY
	4755		436			6178		425		SEE F.B. 1381-110
9	14919	4.973		3971	65°	19172	6.391		3964	FOR DESCRIPTION
		44.287					53.299			

F.B. 1390 PG. 8

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 10:30-10:45 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-1 To B.M. 11-39
Date 11-14-52
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
	6547		215		#6	5133		218		B.M. 17-1
	6332		213			4915		216		CITRUS AVE & ARROW HIGHWAY
	6119		428			4699		434		SEE F.B. 1381-119
1	18998	6333		428	54°	14747	4916		434	FOR DESCRIPTION
	5235		213			6351		211		
	5022		212			6140		210		↑ G.E. DREIER
	4810		425			5930		421		
2	15067	5022		853		18421	6140		855	
	4760		212			5611		212		
	4548		212			5399		212		
	4336		424			5187		424		STOPPED 10:45 AM 11-14-52
3	13644	4548		1277	54°	16197	5399		1279	
	6574		212			1637		215		
	6362		212			1422		212		BEGAN 9:10 AM 11-18-52
	6150		424			1210		427		
4	19086	6362		1701	62	4269	1423		1706	
	9771		250			6588		255		
	9521		251			6333		252		
	9270		501			6081		507		
5	28562	9521		2202		19002	6334		2213	
		31786					14212			

F.B. 1390 PG. 2

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 9:15-9:45 A.M. Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-1 To BM 11-30
Date 11-18-52
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
	2723	31.786	213	2.202		5772	24.212	212	2.213	
	2510		213			5560		212		
	2297		426			5348		424		
6	7530	2510		2628		16680	5560		2637	
	6064		211			4970		213		
	5853		212			4757		212		SUMMATION OF RUN
	5641		423			4545		425		BM 17-2 TO BM 17-1
7	17558	5853		3051		14272	4757		3062	
	6153		213			4924		213		TOTAL BACKSIGHTS +52.167
	5940		211			4711		212		- FORESIGHTS -43.163
	5729		424			4499		425		DIFF IN ELEVATION +9.004
8	17822	5921		3475		14134	4711		3487	
	6331		254			4145		222		BM 11-30 (U.S. 27P)
	6077		254			3923		221		CITRUS AVE & GLADSTONE ST
	5823		508			3702		443		SEE F.B 1376-30
9	18231	6077		3985	65°	11770	3923		3930	FOR DESCRIPTION
		52.167					43.163			

F.B. 1390 PG. 10

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 10:30-11:00AM Rod No. 5 & C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-1 To BM 17-2
Date 11-13-52
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
	3704		212		#C	5402		212		BM 17-1
	3492		211			5190		212		CITRUS AVE & ARROW HIGHWAY
	3281		423			4978		424		SEE F.B. 1381-110
1	10477	3492		423	65°	15570	5190		424	FOR DESCRIPTION
	4202		215			6218		216		
	3987		217			6002		212		π G.E. DREIER
	3770		432			5790		428		
2	11959	3980		855		18010	6003		852	
	4927		214			5801		213		
	4713		211			5588		213		
	4502		425			5375		426		
3	14142	4714		1280		16764	5588		1278	
	4433		211			4528		215		
	4222		211			4313		213		
	4011		422			4100		428		
4	12666	4222		1702		12941	4314		1706	
	3665		214			2566		214		
	3451		211			2352		212		
	3240		425			2140		426		
5	10356	3452		2127		7058	2353		2132	
		19866					23448			

F.B. 1390 PG. 11

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 S. SHINODA Time 10:30-11:00 AM Rod No. 5 & C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-1 To B.M. 17-2
Date 11-13-52 A. 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
	2801	1980	211	2127		7590	2314	212	2132	
	2590		212			7378		213		
	2378		423			7165		425		
6	7769	2590		2550		22133	7378		2557	
	4079		211			6079		214		
	3868		211			5865		210		SUMMATION OF RUN
	3657		422			5655		424		B.M. 17-1 TO B.M. 17-2
7	11604	3868		2972		17599	5866		2981	
	4259		212			6007		214		TOTAL BACKSIGHTS + 35.225
	4047		212			5793		211		" FORESIGHTS - 47.960
	3835		424			5582		425		DIFF. IN ELEVATION - 12.735
8	12141	4047		3396		17382	5794		3406	
	5109		256			5731		258		BM 17-2
	4853		253			5473		254		CITRUS AVE & COVINA BLVD
	4600		509			5219		512		SEE F.B. 1381-111
9	14562	1854		3905	CC	16423	5474		3918	FOR DESCRIPTION
		35.225					47.960			

F.B. 1390 PG. 12

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 10:05-10:30 AM Rod No. 5&C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-2 To BM 17-1
Date 11-12-52
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
	5700		260		#5	4805		256		BM 17-2
	5440		258			4549		254		CITRUS AVE & COVINA BLVD
	5182		518			4295		510		SEE F.B. 1381-11
1	16322	5441		518	54°	13649	4550		510	FOR DESCRIPTION
	5719		211			4231		212		
	5508		211			4019		211		π G.E. DREIER
	5297		422			3808		423		
2	16524	5508		940		12058	4019		933	
	6094		212			4095		212		
	5882		211			3883		211		
	5671		423			3672		423		
3	17647	5882		1363		11650	3883		1356	
	7392		212			2605		213		
	7180		210			2392		212		
	6970		422			2180		425		
4	21542	7181		1785		7177	2392		1781	
	3743		212			4840		212		
	3531		212			4628		213		
	3319		424			4415		425		
5	10593	3531		2209		13883	4628		2206	
		27543					19472			

F.B. 1390 PG. 13

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 10:05-10:30 AM Rod No. 546

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-2 To BM 17-1
Date 11-14-52
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
	5791	27.543	213	2209		5698	19.472	213	2206	
	5578		215			5485		210		
	5363		228			5275		223		
6	16732	5577		2637		16458	5486		2629	
	5731		212			4857		215		
	5519		212			4642		212		SUMMATION OF RUN
	5307		224			4430		227		BM 17-2 TO BM 17-1
7	16557	5519		3061		13929	4643		3056	
	5658		218			3638		214		TOTAL BACKSIGHTS +49.241
	5440		215			3424		213		" FORE " -36.489
	5225		233			3211		227		DIFF IN ELEVATION +12.752
8	16323	5441		3494		10273	3424		3483	
	5372		211			3678		214		BM 17-1
	5161		210			3464		213		CITRUS AVE & ARROW HIGHWAY
	4951		221			3251		227		SEE F.B. 1381-110
9	15484	5161		3915	54°	10393	3464		3910	FOR DESCRIPTION
		49.241					36.429			

F.B. 1390 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 OVERCAST Inst. No. 50010
Notes by S. SHIMODA Time 10:00- Rod No. 5 & 6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-1 To BM 17-2
Date /
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
	3650		212		#6	5345		215		BM 17-1
	3438		211			5130		213		CITRUS AVE & ARROW HIGHWAY
	3227		423			4917		428		SEE F.B. 1381-1
1	10315	3438		423	66°	15392	5131		428	FOR DESCRIPTION
	3728		218			5743		214		
	3510		216			5529		216		T. E. LANDA
	3294		434			5313		430		
2	10532	3511		857		16583	5528		858	
	4885		213			5758		213		
	4672		212			5545		213		
	4460		425			5332		426		
3	14017	4672		1282		16635	5545		1284	
	5749		214			5944		214		
	5535		213			5630		213		
	5322		427			5417		427		
4	16606	5535		1709		16891	5630		1711	
	4833		213			3736		214		
	4620		211			3522		212		
	4409		424			3310		426		
5.	13862	4621		2133		10568	3523		2137	
		21777					25357			

F.B. 1390 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 G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:00 - 10:45 AM Rod No. 5 & C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-1 To BM 17-2
Date 11-18-52
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
	2639	21.777	214	2.133		7429	25.357	212	2137	
	2425		213			7217		214		
	2212		427			7003		426		
6	7276	2.425		2560		21649	7.216		2563	
	3982		212			5978		213		
	3770		212			5765		213		SUMMATION OF RUN
	3558		424			5552		426		BM 17-1 TO BM 17-2
7	11310	3.770		2984		17295	5.765		2989	
	4174		213			5921		212		TOTAL BACKSIGHTS +37.128
	3961		212			5709		210		" FORESIGHTS -49.876
	3749		425			5499		422		DIFF IN ELEVATION -12.748
8	11884	3.961		3409		17129	5.710		3411	
	5452		257			6080		258		BM 17-2
	5195		256			5828		258		CITRUS AVE & COVINA BLVD
	4939		513			5570		516		SEE F.B. 1381-111
9.	15580	5.195		3.922	70°	17484	5.828		3.927	FOR DESCRIPTION
		37.128					49.876			

F.B. 1390 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 G.E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHIMODA Time 11:00 - 1:40 P.M. Rod No. 5 & C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4929
From B.M. 17-2 To B.M. 17-4
Date 11-13-52
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
	5320		212		#5	6268		214		BM 17-2
	5108		211			6054		213		CITRUS AVE & COVINA BLVD
	4897		423			5841		427		SEE F.B. 1381-111
1	15325	5108		423		18163	6054		427	FOR DESCRIPTION
	4899		212			6958		215		
	4687		212			6743		211		R E LANDA
	4475		424			6532		426		
2	14061	4687		847		20233	6744		853	
	3625		214			4768		214		
	3411		211			4554		212		
	3200		425			4342		426		
3	10236	3412		1272		13664	4555		1279	
	4058		175			3886		173		
	3883		171			3713		171		
	3712		346			3542		344		
4	11653	3884		1618		11141	3714		1623	
	6632		173			4178		171		
	6459		174			4007		169		
	6285		347			3838		340		
5	19376	6459		1965		12023	4008		1963	
		23550					25075			

F.B. 1390 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 OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 11:00-1:40 P.M. 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 11-13-52
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
		23.550		1.965			25.075		1.963	BM 17-3
										CITRUS AVE & CYPRESS AVE
										SEE F.B. 1381-112
										FOR DESCRIPTION
	5368		211			6101		213		
	5157		209			5888		212		
	4948		420			5676		425		
6	15473	5.158		2.385		17665	5.888		2.388	
	4560		213			6503		214		
	4347		213			6289		210		
	4134		426			6079		424		
7	13041	4.347		2.811		18871	6.290		2.812	
	4393		213			5735		214		
	4180		211			5521		211		
	3969		424			5310		425		
8	12542	4.181		3.235		16566	5.522		3.237	
	3919		210			5853		214		
	3709		211			5639		214		
	3498		421			5425		428		
9	11126	3.709		3.656		16917	5.639		3.665	
		40.945					48.414			

F.B. 1390 PG. 18

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 11:00 - 1:20 PM Rod No. 5 & C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-2 To BM 17-4
Date 11-13-52
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
	4432	4.945	212	3.656		6807	8.414	213	3.665	
	4218		216			6594		210		ONE HOUR FOR LUNCH
	4002		430			6384		423		
10	12652	4.217		4.086	64°	19785	6.595		4.088	
	3346		213			4840		216		
	3133		211			4624		212		
	2922		424			4412		428		
11	9401	3.134		4.510	64°	13876	4.625		4.516	
	5091		213			6082		212		
	4878		210			5870		211		
	4668		423			5659		423		
12	14637	4.879		4.933		17611	5.870		4.939	
	5053		213			5841		214		
	4840		211			5627		215		
	4629		424			5412		429		
13	14522	4.841		5.357		16880	5.627		5.368	
	4232		214			6705		213		
	4018		213			6492		210		
	3805		427			6282		423		
14	12055	4.018		5.782		19479	6.493		5.791	
		22.034					77.624			

F.B. 1390 PG. 19

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 11:00 - 1:40 Rod No. 5 & C

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-2 To BM 17-4
Date 11-13-52
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
	4237	4.034	213	5.788		7048	7.624	213	5.791	
	4024		209			6835		213		SUMMATION OF RUN
	3815		422			6622		426		BM 17-2 TO BM 17-4
15	12076	4.025		6.200		20505	6.835		6.217	
	3918		148			4533		145		TOTAL BACKSIGHTS + 75.126
	3770		146			4388		147		FORESIGHTS − 89.404
	3624		294			4241		292		DIFF IN ELEVATION − 14.278
16	11312	3.771		6.500		13162	4.387		6.509	
	5376		078			0637		079		BM 17-4 (U.S. 280)
	5296		079			0558		079		COLLEGE ST. E OF CITRUS AVE
	5217		157			0479		158		SEE F.B. 1381-113
17	15887	5.296		6.657	70°	1674	0.558		6.667	FOR DESCRIPTION
F.B. 1390 PG. 20										
		75.126					89.404			

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 OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 1:45-2:45 PM 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 11-13-52
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
	0659		079		#6	5399		079		BM 17-4 (US 280)
	0580		079			5320		079		COLLEGE ST E OF CITRUS AVE
	0501		158			5241		158		SEE FB 1381-1
1	1740	0580		158	70°	1596	5320		158	FOR DESCRIPTION
	4454		146			3841		148		
	4308		147			3693		144		R. E. LANDA
	4161		293			3549		292		
2	12923	4308		451		11083	3694		450	
	7098		210			4289		211		
	6888		210			4078		211		
	6678		420			3867		422		
3	20664	6888		871		12234	4078		872	
	6672		212			4198		211		
	6460		211			3987		214		
	6249		423			3773		425		
4	19391	6460		1294		11958	3986		1297	
	5869		213			5085		214		
	5656		212			4871		211		
	5442		425			4660		425		
5	16967	5656		1721		14616	4872		1722	
		23892					21950			

F.B. 1390 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 G.E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 1:45-2:45 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-4 To BM 17-2
Date 11-13-52
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
	6119	23.892	214	1.721		5130	21.950	213	1.722	
	5905		211			4918		215		
	5694		425			4703		428		
6	17718	5.906		2146		14751	4.917	7	2156	
	5600		215			4103		211		
	5385		214			3892		211		
	5171		429			3681		422		
7	16156	5.385		2575		11676	3.892		2572	
	6772		213			4398		216		
	6559		210			4182		212		
	6349		423			3970		428		
8	19680	6.560		2998		12550	4.183		2999 3000	
	5779		214			3848		213		
	5565		214			3635		213		
	5351		428			3422		426		
9	16695	5.565		3426		10905	3.635		3427	
	5731		212			4391		212		
	5519		212			4179		211		
	5307		424			3968		423		
10	16557	5.519		3850		12538	4.179		3847	
		52.827					42.756			

F.B. 1390 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 OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 1:45-2:45 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 11-13-52
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
	6578	52.827	215	3.860		4632	42.756	212	3.849	
	6363		212			4420		212	8	
	6151		427			4208		424		
11.	19092	6.364		4277		13260	4420		4270 2	
	5565		215			4827		209		
	5350		211			4618		208		
	5139		426			4410		417	99	
12.	16054	5351		4703		13855	4618		4692	
		4542					51.794			B.M. 17-3
										CITRUS AVE & CYPRESS AVE
										SEE FB 1381-112
										FOR DESCRIPTION
	4198		170			6652		173		
	4028		169			6479		171		
	3859		339			6308		344		
13.	12084	4028		5042		19439	6.480		5032 3	
	4632		172			4806		175		
	4460		170			4631 (?)		171		
	4290		342			4460		346		
14	13382	4461		5384		13898	4633	5	5380 78	
		73.031					62.907			

F.B. 1390 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 G. E. DREIER Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 1:45-2:45 PM Rod No. 566

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-4 To B.M. 17-2
Date 11-13-52
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
	4923	73.031	213	5384		3780	2707	213	5380 88	
	4710		214			3567		212		SUMMATION OF RUN
	4496		427			3355		425		BM 17-4 TO BM 17-2
15.	14129	4710		5811		10702	3567		5805 3	
	6621		213			4566		214		TOTAL BACKSIGHTS + 89.745
	6408		213			4352		211		" FORE - - 75.475
	6195		426			4141		425		DIFF IN ELEVATION + 14.270
16.	19224	6408		6237		13059	4353		6230 28	
	5809		213			4861		212		BM 17-2
	5596		212			4649		214		CITRUS AVE & COVINA BLVD
	5384		425			4435		426		SEE F.B. 1381-111
17	16789	5596		6662	66°	13945	4648		6656 4	FOR DESCRIPTION
		89.745					75.475			

F.B. 1390 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 J. SHINODA Time 11:40- Rod No. 5 & C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4925
From B.M. 17-4 To B.M. 17-C
Date 11-18-52
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
	0541		079		#	5842		078		B.M. 17-4 (US 280)
	0462		077			5764		080		COLLEGE ST. E. OF CITRUS AVE
	0385		156			5684		158		SEE F.B. 1381-113
1	1388	0463		156	72°	17290	5763		158	FOR DESCRIPTION
	4343		133			5971		162		
	4210		130			5809		162		X E LANDA
	4080		263			5647		324		
2	12633	4211		419		17427	5809		482	
	4887		145			1950		120		
	4742		143			1830		121		
	4599		288			1709		241		
3	14228	4743		707		5489	1830		723	
		9417					13.402			BM 17-5 (US 280)
										CITRUS AVE N OF PALLO ST
										SEE F.B. 1381-113
										FOR DESCRIPTION
	1985		126			5909		115		
	1859		127			5794		115		
	1732		253			5679		230		
4	5576	1859		960		17382	5794		953	
		11.276					19.196			

F.B. 1390 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 11:40 TO 11:55 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-4 To B.M. 17-C
Date 11-18-52
Indexed A. 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
	4254	11.270	118	.960		1618	19.190	126	.953	B.M. 17-C (U.S. 282)
	4136		118			1492		122		CITRUS AVE & BADILLO ST.
	4018		236			1370		248		SEE F.B. 1381-113
5.	12408	4136		1196	72°	4480	1493		1201	FOR DESCRIPTION
										SUMMATION OF RUN B.M. 17-4 TO B.M. 17-C
										TOTAL BACKSIGHTS + 15.412 FORESIGHTS − 20.689 DIFF IN ELEVATION − 5.277
F.B. 1390 PG. 26										
		15412					20.689			

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 11:15 - 11:40 AM Rod No. 5 E C

Name L.A. CO. PRECISE LEVEL NET
Job No. 2923
From B.M. 17-C To B.M. 17-A
Date 11-18-52
Indexed C. Tahara

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
	1275		133			3898		111		B.M. 17-C (US 282)
	1142		130			3787		109		CITRUS AVE & BADILLO ST.
	1012		263			3678		220		SEE F.B. 1381-113
1	3429	1.143		263	70°	11363	3788		220	FOR DESCRIPTION
	5874		129			1942		132		
	5745		126			1810		131		⊼ E. LANDA
	5619		255			1679		263		
2	17238	5746		518		5431	1.810		483	
		6.889					5.598			BM 17-5 (US 281)
										CITRUS AVE N OF BADILLO ST
										SEE F.B. 1381-113
										FOR DESCRIPTION
	1923		125			4843		132		
	1798		126			4711		131		
	1672		251			4580		263		
3	5393	1.798		769		14134	4711		746	
	5958		159			4336		135		
	5799		160			4201		133		
	5640		319			4068		268		
4	17396	5.799		1088		12605	4.202		1014	
		14.486					14.511			

F.B. 1390 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 S. SHINODA Time 11:15 TO 11:00 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-6 To BM 17-4
Date 11-18-52
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
	5942	14486	078	1088		06 59	16 51	093	1014	BM 17-4 (US 280)
	5868		075			0566		094		COLLEGE ST E OF CITRUS
	5789		153			0472		187		SEE F.B. 1381-113
6	17595	58655		1241	72°	1697	0566		1201	FOR DESCRIPTION
										TOTAL BACKSIGHTS +20.351
										" FORE " −15.077
										DIFF IN ELEVATION +5.274
										SUMMATION OF RUN
										BM 17-6 TO BM 17-4
		20.351					15.077			

F.B. 1390 PG. 28

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 1:15-1:55 P.M. Rod No. 5 & 6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-C To B.M. 17-7A
Date 11-18-52
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
	2005		124		#5	4511		126		B.M. 17-C (US 280)
	1881		122			4385		124		CITRUS AVE & BADILLO ST
	1759		246			4261		250		SEE F.B. 1381-113
1	5645	1.882		.246	75°	13157	4.386		.250	FOR DESCRIPTION
	7123		212			3841		213		
	6911		212			3628		215		⊼ G E DREIER
	6699		424			3413		428		
2	20733	6.911		.670		10882	3.627		.678	
	6731		210			4050		212		
	6521		210			3838		211		
	6311		420			3627		423		
3	19563	6.521		1.090		11515	3.838		1.101	
	6651		214			4604		212		
	6437		213			4392		210		
	6224		427			4182		422		
4	19312	6.437		1.517		13178	4.393		1.523	
	6552		213			4779		211		
	6339		213			4568		209		
	6126		426			4359		420		
5	19017	6.339		1.943		13706	4.569		1.943	
		28.090					20.813			

F.B. 1390 PG. 29

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 1:15-1:55 PM Rod No. 5 & C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-6 To B.M. 17-7A
Date 11-18-52
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
	6698	28.090	216	1943		4799	20.913	207	1.943	
	6482		215			4592		206		
	6267		431			4386		413		
6	19447	6.482		2374		13777	4.592		2356	
	6738		212			4702		215		
	6526		213			4487		215		
	6313		425			4272		430		
7	19577	6.526		2799		13461	4.487		2786	
	6123		212			4485		214		
	5911		212			4271		212		SUMMATION OF RUN
	5699		424			4059		426		B.M. 17-6 TO B.M. 17-7
8	17733	5.911		3223		12815	4.272		3212	
	6385		214			4242		210		TOTAL BACKSIGHTS +58.501
	6171		214			4032		209		" FORE " -43.083
	5957		428			3823		419		DIFF. IN ELEVATION +15.418
9	18513	6.171		3651		12097	4.032		3631	
	5421		100			4999		112		B.M. 17-7A
	5321		099			4887		113		BADILLO ST & BARRANCA ST
	5222		199			4774		225		SEE F.B. 1381-114
10	15964	5.321		3850	759	14660	4.887		3854	FOR DESCRIPTION
		58.501					43.083			

F.B. 1390 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 G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:15-11:46 AM Rod No. 5 & 6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4523
From BM 17-7A To BM 17-6
Date 11-19-52 By 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
	4929		108		#5	5361		104		BM 17-7A
	4821		108			5257		104		BADILLO ST. & BARRANCA ST.
	4713		216			5153		208		SEE F.B. 1381-112
1	14463	4821		216	73°	15771	5257		208	FOR DESCRIPTION
	4755		209			6898		215		
	4546		209			6683		215		TO G.E. DREIER
	4337		418			6468		430		
2	13638	4546		634		20049	6683		638	
	4477		213			6116		213		
	4264		211			5903		212		
	4053		424			5691		425		
3	12794	4265		1058		17710	5903		1063	
	4663		213			6701		213		
	4450		213			6488		212		
	4237		426			6276		425		
4	13350	4450		1484		19465	6488		1488	
	4800		208			6701		217		
	4592		206			6484		215		
	4386		414			6269		432		
5	13778	4593		1898		19454	6485		1920	
		22675					30816			

F.B. 1390 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 G E DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHIMODA Time 11:15-11:45 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-7A To BM 17-6
Date 11-19-52
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
	4759	2.675	210	1.898		6532	3.821	213	1.920	
	4549		210			6319		212		
	4339		420			6107		425		
6	13647	4549		2318		18958	6319		2345	
	4242		213			6689		213		
	4029		211			6476		214		
	4218		424			6262		427		
7	13289	4430		2742		19427	6476		2772	
	4377		218			7050		207		
	4159		216			6843		204		SUMMATION OF RUN
	3943		434			6639		411		BM 17-7A TO BM 17-6
8	12479	4160		3176		20532	6844		3183	
	3789		217			7069		211		TOTAL BACKSIGHTS +43.791
	3572		213			6858		210		" FORE " -59.215
	3359		430			6648		421		DIFF. IN ELEVATION -15.424
9	10720	3.573		3.606		20575	6.858		3.604	
	4528		125			2027		126		BM 17-6
	4403		123			1901		123		CITRUS AVE & BADILLO ST
	4280		248			1778		249		SEE F.B. 1381-113
10	13211	4404		3854	74°	5706	1.902		3.853	FOR DESCRIPTION
		43.791					59.215			

F.B. 1390 PG. 32

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 1:55-2:35 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-7A To BM 17-8
Date 11-18-52
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
	5912		073		#5	5735		074		BM 17-7A
	5839		073			5661		071		BADILLO ST & BARRANICA ST
	5766		146			5590		145		SEE F.B. 1381-119
1	17517	5.839		1.46	75°	16986	5.662		1.45	FOR DESCRIPTION
										BM 17-7
										BADILLO ST & BARRANICA ST
										SEE F.B. 1381-119
										FOR DESCRIPTION
	4370		213			6227		214		
X	4157		211			6013		210		π E LANDA
	3946		424			5803		424		
2	12473	4.158		5.70		18043	6.014		5.69	
	5438		213			4284		214		
	5225		212			4070		212		
	5013		425			3858		426		
3	15676	5.225		9.95		12212	4.071		9.95	
	5844		212			4200		212		
	5632		211			3988		213		
	5421		423			3775		425		
4	16897	5.632		14.18		11963	3.988		14.20	
		20.854					19.735			

F.B. 1390 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 1:55-2:35 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-7A To BM 17-8
Date 11-18-52
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
	6712	20.854	213	1.418		4418	19.735	215	1.420	
	6499		211			4203		214		
	6288		424			3989		429		
5.	19499	6.500		1.942		12610	4.203		1.849	
	6425		195			3532		199		
	6230		192			3333		200		
	6038		387			3133		399		
6	18693	6.231		2.229		9998	3.333		2.248	
		33.585					27.271			B.M. - BADILLO ST & MONTE VISTA AVE N.W. COR. A BRASS DISK IN N.W. COR. BRIDGE HEADWALL MARKED "L.A. Co. ROAD. DEPT."
	5712		239			2374		236		
	5473		238			2138		236		
	5235		477			1902		472		
7.	16420	5.473		2.706		6414	2.138		2.720	
	6102		212			3040		213		
	5890		212			2827		210		
	5678		424			2617		423		
8.	17670	5.890		3.130		8484	2.828		3.143	
		22.948					32.237			

F.B. 1390 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 1:55-2:35 PM Rod No. 5 & 6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-7A To BM 17-8
Date 11-18-52
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
	7318	44.940	214	3.130		2621	32.237	214	3.143	
	7104		212			2407		214		SUMMATION OF RUN
	6892		426			2193		428		BM 17-7A TO BM 17-8
9	21314	7.105		3.556		7221	2.407		3.571	
	8322		212			2665		216		TOTAL BACKSIGHTS +67.572
	8110		212			2449		212		" FORE " -41.537
	7898		424			2237		428		DIFF. IN ELEVATION +26.035
10	24330	8.110		3.980		7351	2.450		3.999	
	7552		143			4587		144		BM 17-8
	7409		144			4443		144		BADILLO ST & GRAND AVE
	7265		287			4299		287		SEE F.B. 1381-145
11	22226	7.409		4.267		13329	4.443		4.287	FOR DESCRIPTION
		67.572					41.537			

F.B. 1390 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. 1390 PG. 36										

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 10:10 TO 11:00 Rod No. 506

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-8 To 17-7A
Date 11-19-52
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
	4.566		144		#5	7.535		146		B.M. 17-8
	4.422		143			7.389		143		BADILLO ST. & GRAND AVE.
	4.279		287			7.246		289		SEE F.B. 1381-11
1	13.267	4.422		287	70°	22.170	7.390		289	FOR DESCRIPTION
	2.613		214			8.273		213		
	2.399		214			8.060		213		T. E. LANDA
	2.185		428			7.847		426		
2	7.197	2.399		715		24.180	8.060		715	
	2.908		213			7.610		213		
	2.695		214			7.397		212		
	2.481		427			7.185		425		
3	8.084	2.695		1.142		22.192	7.397		1.140	
	3.352		212			6.418		216		
	3.140		212			6.202		212		
	2.928		424			5.990		428		
4	9.420	3.140		1.566		18.610	6.203		1.568	
	2.109		237			5.448		242		
	1.872		236			5.206		238		
	1.636		473			4.968		480		
5	5.617	1.872		2.039		15.622	5.207		2.048	
		14.528					34.257			

F.B. 1390 PG. 37

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 12:10 to 11:00 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-8 To B.M. 17-7A
Date 11-19-52
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
		14.528		2.039			34.257		2.048	B.M. BADILLO ST & MONTE VISTA AVE, N.W. COR., A BRASS DISK IN N.W. COR OF BRIDGE, MARKED L.A.Co. ROAD DEPT.
	3.858		199			6.752		193		
	3.659		199			6.559		193		
	3.460		398			6.366		386		
6	10.977	3.659		2.437		19.677	6.559		2.434	
	4.342		214			6.639		213		
	4.128		213			6.426		209		
	3.915		427			6.217		422		
7	12.385	4.128		2.864		19.282	6.427		2.856	
	4.198		216			5.842		211		
	3.982		212			5.631		211		
	3.770		428			5.420		422		
8	11.950	3.983		3.292		16.893	5.631		3.278	
	4.373		213			5.528		212		
	4.160		212			5.316		213		
	3.948		425			5.103		425		
9	12.481	4.160		3.717		15.947	5.316		3.703	
		30.458					58.190			

F.B. 390 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 G.E.DREIER Time 10:10 TO 11:00 Rod No. 5&6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-8 To B.M. 17-7A
Date 11-19-52
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
	6.169	30.458	213	3.717		4313	58.190	212	3.703	
	5.956		210			4101		213		
	5.746		423			3888		425		
10	17.871	5.957		4.140		12302	4.101		4.128	
		36.415					62.291			B.M. 17-7 BADILLO ST & BARRANCA ST SEE F.B. 1381-114 FOR DESCRIPTION
	5677		072			5858		076		B.M. 17-7A BADILLO ST & BARRANCA ST SEE F.B. 1381-114 FOR DESCRIPTION
	5.605		070			5782		074		
	5535		142			5708		150		
11	16.817	5.606		4.282	73°	17.348	5.783		4.278	
										SUMMATION OF RUN B.M. 17-8 TO B.M. 17-7A
										TOTAL BACKSIGHTS = 42.028 TOTAL FORESIGHTS = 68.074 DIFF IN ELEVATION = 26.054
		42.028					68.074			

F.B. 1380 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..... 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. 1390 PG. 40										

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

L. A. CO. PRECISE LEVEL NET

Chief of Party G E Dreier Weather CLEAR Inst. No. 50010
Notes by S Shinoda Time 1:40-2:20PM Rod No. 5 & 6

Name
Job No. 4923
From BM 17-7 To BM 17-8
Date 11-19-52
Indexed R. 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
	4418		214		#5	6274		214		BM 17-7
	4204		211			6060		211		BADILLO ST & BARRANCA ST
	3993		425			5849		425		SEE F B 1381-114
1.	12615	4205		425	70°	18189	6061		425	FOR DESCRIPTION
	5471		211			4320		215		
	5260		210			4105		211		T E LANDA
	5050		421			3894		426		
2.	15781	5260		846		12319	4106		851	
	5842		212			4198		214		
	5630		211			3984		212		
	5419		423			3772		426		
3	16891	5630		1269		11954	3985		1277	
	6669		212			4375		215		
	6457		209			4160		212		
	6248		421			3948		427		
4	19374	6458		1690		12483	4161		1704	
	6825		194			3930		198		BM BADILLO ST & MONTE VISTA AVE
	6631		191			3732		198		N.W. COR. BRASS DISK IN N.W.
	6440		385			3534		396		COR. BRIDGE HEADWALL MARKED
5.	19896	6632		2075		11196	3732		2100	L.A. Co. ROAD DEPT.
		28.185					22.045			

F.B. 1320 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 S. SHINODA Time 1:40 - 2:20 P.M. Rod No. 5 & 6

L. A. CO. PRECISE LEVEL NET
Name
Job No. 4923
From B.M. 17-7 To B.M. 17-8
Date 11-19-52
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
	5781	28.185	240	2.075		2447	22.045	238	2.100	
	5541		238			2209		236		
	5303		478			1973		474		
6	16625	5542		2.553		6629	2210		2.574	
	6531		220			3457		209		
	6311		216			3248		208		
	6095		436			3040		417		
7	18937	6.312		2.989		9745	3248		2.991	
	7559		212			2861		212		
	7347		211			2649		211		SUMMATION OF RUN
	7136		423			2438		423		B.M. 17-7 TO B.M. 17-8
8	22042	7.347		3.412		7948	2.649		3.414	
	8052		214			2392		214		TOTAL BACKSIGHTS + 62.617
	7838		214			2178		215		" FORE " − 36.757
	7624		428			1963		429		DIFF. IN ELEVATION + 25.860
9	23514	7.838		3.940		6533	2.178		3.843	
	7538		146			4570		143		B.M. 17-8
	7392		143			4427		144		BADILLO ST. & GRAND AVE.
	7249		289			4283		287		SEE F.B. 1381-115
10	22179	7.393		4.128	78°	13280	4.427		4.130	FOR DESCRIPTION
		62.617					36.757			

F.B. 1390 PG. 42

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 2:30-3:10 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 11-19-52
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
	4578		146		#5	7543		143		B.M. 17-8
	4432		142			7400		145		BADILLO ST & GRAND AVE
	4290		288			7255		288		SEE F.B. 1381-115
1.	13300	4.433		.288	73°	22190	7.399		.288	FOR DESCRIPTION.
	2238		217			7893		212		
	2021		214			7681		212		T. E. LANDA
	1807		431			7469		424		
2	6066	2.022		.719		23043	7.681		.712	
	2865		213			7562		210		
	2652		214			7352		212		
	2438		427			7140		422		
3	7955	2.652		1.146		22054	7.351		1.134	
	3378		210			6447		216		
	3168		209			6231		215		
	2959		419			6016		431		
4	9505	3.168		1.565		18694	6.231		1.565	
	2062		235			5401		242		B.M. - BADILLO ST & MONTE VISTA AVE
	1827		236			5159		239		N.W. COR. BRASS DISC IN N.W.
	1591		471			4920		481		COR BRIDGE HEADWALL MARKED
5	5480	1.827		2.036		15480	5.160		2.046	L.A. CO ROAD DEPT.
		14.102					33.822			

F.B. 1390 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 G.E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHIMODA Time 2:30-3:10 P.M. Rod No. 546

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-8 To BM 17-7
Date 11-19-52
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
	3473	4102	201	2036		6368	33.822	196	3040	
	3272		200			6172		192		
	3072		401			5980		388		
6	9817	3272		2437		18520	6173		2434	
	4395		215			6688		211		
	4180		213			6477		211		
	3967		428			6266		422		
7	12542	4181		2865		19431	6477		2856	
	4159		214			5803		211		
	3945		212			5592		212		SUMMATION OF RUN
	3733		426			5380		423		BM 17-8 TO BM 17-7
8	11837	3946		3291		16775	5592		3279	
	4317		215			5468		213		TOTAL BACKSIGHTS + 35.510
	4102		212			5255		212		" FORE " − 61.367
	3890		427			5043		425		DIFF. IN ELEVATION −25.857
9	12309	4103		3718		15766	5255		3704	
	6119		214			4265		217		BM 17-7
	5905		211			4048		217		BADILLO ST & BARRANCA ST.
	5694		425			3831		434		SEE F.B. 1381-114
10	17718	5906		4143	73°	12144	4048		4138	FOR DESCRIPTION
		35.510					61.367			

F.B. 1390 PG. 44

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 2:45-3:25 PM Rod No. 5 & C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-8 To B.M. 17-10
Date 11-18-52
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
	6700		023		#5	5828		021		BM 17-8
	6677		022			5807		023		BADILLO ST. & GRAND AVE
	6655		045			5784		044		SEE F.B. 1381-115
1	20032	6677		.045	72°	17419	5806		.044	FOR DESCRIPTION
										BM 17-8A (0.5 S)
										BADILLO ST. & GRAND AVE
										SEE F.B. 1381-115
										FOR DESCRIPTION
	6201		197			4472		200		
	6004		195			4272		200		E LANDA
	5809		392			4072		400		
2	18014	6005		.437		12816	4272		.444	
	5884		213			3440		211		
	5671		211			3229		209		
	5460		424			3020		420		
3	17015	5672		.864		9689	3230		.864	
	5414		213			3008		216		
	5201		211			2792		214		
	4990		424			2578		430		
4	15605	5202		1.285		8378	2793		1.294	
		23.556					16.101			

F.B. 1390 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 S. SHINODA Time 2:45-3:25 PM Rod No. 5 & C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-8 To B.M. 17-10
Date 11-18-52
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
	5689	23.556	214	1.285		5869	16.101	214	1.294	
	5475		213			5155		213		
	5262		427			4942		427		
5.	16426	5.475		1.712		15466	5.155		1.721	
	3244		132			5737		107		
	3112		129			5630		108		
	2983		261			5522		215		
6	9339	3.113		1.973		16889	5.630		1.936	
		32.144					26.886			B.M. 17-9 GRAND AVE & PUENTE ST. SEE F.B. 1381-116 FOR DESCRIPTION
	5548		215			6673		211		
	5333		212			6462		210		
	5121		427			6252		421		
7	16002	5.334		2.400		19387	6.462		2.357	
	4147		217			7441		210		
	3930		217			7231		211		
	3713		434			7020		421		
8	11790	3.930		2.834		21692	7.231		2.778	
		41.408					40.579			

F.B. 1390 PG. 46

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 2:45-3:25PM Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-8 To B.M. 17-10
Date 11-18-52
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
	4047	41.408	201	2834		7093	40.579	224	2.778	
	3846		199			6869		226		SUMMATION OF RUN
	3647		400			6643		450		BM 17-8 TO BM 17-10
9.	11540	3.847		3234		20605	6.868		3228	
	3923		211			7966		217		TOTAL BACKSIGHTS + 53.521
	3712		209			7749		216		- FORE " - 61.610
	3503		420			7533		433		DIFF IN ELEVATION - 8.089
10.	11138	3713		3654		23248	7.749		3661	
	4673		120			6531		117		B.M. 17-10
	4553		120			6412		116		GRAND AVE & ROWLAND AVE
	4433		240			6298		233		SEE F.B. 1381-117
11.	13659	4553		3894	76°	19243	6.414		3894	FOR DESCRIPTION
		53.521					61.610			

F.B. 1390 PG. 417

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. 1390 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 E. Landa Time 9:30 - 10:10 Rod No. 5E'6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-10 To B.M. 17-8
Date 11-19-52
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
	6577		117		#5	4722		123		B.M. 17-10
	6460		117			4599		122		Grand Ave & Rowland Ave
	6343		234			4477		245		See F.B. 1381
1	19380	6460		234	68°	13798	4599		245	For description
	8128		218			4087		210		
	7910		217			3877		210		K G.E. DREIER
	7693		435			3667		420		
2	23731	7910		669		11631	3877		665	
	7214		214			4192		210		
	7000		214			3982		211		
	6786		428			3771		421		
3	21000	7000		1097		11945	3982		1086	
	7388		210			4090		217		
	7178		210			3873		215		
	6968		420			3658		432		
4	21534	7178		1517		11621	3874		1518	
	6809		212			5679		212		
	6597		211			5467		213		
	6386		423			5254		425		
5	19792	6597		1940		16400	5467		1943	
		35.145					21.799			

F.B. 1390 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 G.E. DREIER Time 9:30 TO 10:10 Rod No. 586

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 17-10 To B.M. 17-8
Date 11-19-52
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
		35.145		1.940			21.799		1.943	B.M. 17-9
										Grand Ave & Private St.
										See F.B. 1381-116
										for description
	7530		116			5019		121		
	7414		116			4898		120		
	7298		232			4778		241		
6	22.242	7.414		2.172		14.695	4.898		2.184	
	5864		214			6182		213		
	5650		214			5969		212		
	5.436		428			5.757		425		
7	16.950	5.650		2.600		17.908	5.969		2.609	
	4182		215			6589		213		
	3967		217			6.376		213		
	3.750		432			6163		426		
8	11.899	3.966		3.032		19.128	6.376		3.0357	
	4389		212			6833		213		
	4177		213			6620		212		
	3.964		425			6.408		425		
9	12.530	4.177		3.457		19.861	6.620		3.460	
		56.352					45.662			

F.B. 1390 PG. 50

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 10:10 Rod No. 586

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-10 To B.M. 17-8
Date 11-19-52 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
	3961	56.352	-201	3.457		5690	45.662	198	3.460	
	3.760		200			5.492		197		
	3.560		401			5295		395		
10	11.281	3.760		3.858		16.477	5.492		3.855	
		60.112					51.15¾			B.M. 17-8A (053363) Badillo St. & Grand Ave. See F.B. 1381-115 for description
	5.805		022			6676		023		B.M. 17-8
	5.783		022			6.653		022		BADILLO ST. & GRAND AVE.
	5.761		044			6631		045		SEE F.B. 1381-115
11	17.349	5.783		3.902	70°	19.960	6.653		3.900	FOR DESCRIPTION
										SUMMATION OF RUN B.M. 17-10 TO B.M. 17-8
										TOTAL BACKSIGHTS +65.895
										TOTAL FORESIGHTS -57.807
										DIFF IN ELEVATION +8.088
		65.895					57.807			

F.B. 1390 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..... 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. 1390 PG. 52										

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. 50910
Notes by S. SHINODA Time 10:00-10:45 AM Rod No. 5 & C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-10 To B.M. 17-11
Date 11-20-52
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
	2140		192		#5	11025		192		B.M. 17-10
	1948		190			10833		189		GRAND AVE & ROWLAND AVE
	1758		382			10644		381		GOVINA HILLS RD.
1	5846	1.949		.382	69°	32502	10.834		.381	SEE F.B. 1381-117
										FOR DESCRIPTION
	0728		133			10630		133		
	0595		131			10497		132		T. G.E. DREIER
	0464		264			10365		265		
2	1787	0.596		.646		31492	10.497		.646	
	0682		124			8541		125		
	0558		124			8416		126		
	0434		248			8290		251		
3	1674	0.558		.894		25247	8.416		.897	
	1978		120			11719		127		
	1858		119			11592		127		
	1739		239			11465		254		
4	5575	1.858		1.133		34776	11.592		1.151	
	0574		073			9940		070		
	0501		074			9870		070		
	0427		147			9800		140		
5.	1502	0.501		1.280		29610	9.870		1.291	
		5.462					51.209			

F.B. 1390 PG. 55

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 - 10:45 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-10 To BM 17-11
Date 11-20-52
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
	0566	5.422	116	1.289		8288	51209	119	1.291	
	0450		115			8169		118		
	0335		231			8051		237		
6	1351	0.450		1.511		24508	8.169		1.528	
	3010		222			7402		222		
	2788		221			7180		222		
	2567		443			6958		444		
7	8365	2788		1954		21540	7180		1972	
	4973		212			4257		209		
	4761		211			4048		210		
	4550		423			3838		419		
8	14284	4761		2377		12143	4048		2391	
	5260		212			2862		215		
	5048		211			2647		216		
	4837		423			2431		431		
9	15145	5048		2800		7940	2.647		2822	
	5548		216			2890		207		
	5332		212			2683		206		
	5120		428			2477		413		
10	16000	5.333		3.228		8050	2.683		3.236	
		23.842					75.936			

F.B. 1390 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. DRRIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:00 - 10:45AM Rod No. 5 & C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-10 To BM 17-11
Date 11-20
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
	8800	3.842	209	3.228		3947	75.936	211	3.235	
	8591		206			3736		209		
	8385		415			3527		420		
11	25776	8592		3643		11210	3.737		3655	
	2341		238			5778		232		B.M. 17-11
	2103		236			5546		232		CONINA HILLS RD & CHAPARRO RD
	1867		474			5314		464		SEE F.B. 1381-118
12.	6311	2.104		4.117	75°	16638	5.546		4.119	FOR DESCRIPTION
										SUMMATION OF RUN
										BM 17-10 TO BM 17-11
										TOTAL BACKSIGHTS +34.538
										" FORE " -85.219
										DIFF. IN ELEVATION -50.681
		34.538					85.219			

F.B. 1390 PG. 55

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. 1390 PG. 56										

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 10:45-11:35 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 11-20-52
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
	5900		232		#5	2467		238		B.M. 17-11
	5668		231			2229		238		COVINA HILLS RD & CHAPARRO RD
	5437		463			1991		476		SEE F.B. 1381-118
1	17005	5668		463	75°	6687	2229		476	FOR DESCRIPTION
	4310		212			9164		207		
	4098		212			8957		209		K G.E. DREIER
	3886		424			8748		416		
2	12294	4.098		.887		26869	8.956		.892	
	3054		212			5707		211		
	2842		211			5496		208		
	2631		423			5288		419		
3	8527	2.842		1.310		16491	5.497		1.311	
	2909		216			5310		213		
	2693		214			5097		213		
	2479		430			4884		426		
4	8081	2.694		1.740		15291	5.097		1.737	
	4202		210			4919		211		
	3992		210			4708		210		
	3782		420			4498		421		
5	11976	3.992		2.160		14125	4.708		2.158	
		19.292					26.487			

F.B. 1390 PG. 57

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 10:45-11:35AM Rod No. 54C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-11 To B.M. 17-10
Date 11-20-52
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
	7308	19.294	223	2.160		2918	26.487	226	2.158	
	7085		222			2692		223		
	6863		445			2469		449		
6.	21256	7.085		2.605		8079	2.693		2.607	
	8273		117			0552		115		
	8156		117			0437		116		
	8039		234			0321		231		
7.	24468	8.156		2.839		1310	0.437		2.838	
	9908		070			0543		074		
	9838		069			0469		074		
	9769		139			0395		148		
8.	29515	9.838		2.978		1407	0.469		2.986	
	11671		130			1925		116		
	11541		130			1809		116		
	11411		260			1693		232		
9.	34623	11.541		3.238		5427	1.809		3.218	
	8306		127			0446		124		
	8179		127			0322		123		
	8052		254			0199		247		
10.	24537	8.179		3.492		0967	0.322		3.465	
		64.093					32.217			

F.B. 390 PG. 58

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 - 11:35AM Rod No. 5&6

L. A. CO. PRECISE LEVEL NET
Name
Job No. 4923
From B.M. 17-11 To B.M. 17-10
Date 11-20-52
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
	10498	10.493	128	3.492		0601	32.217	138	3.465	
	10370		128			0468		137		
	10242		256			0331		275		
11.	31110	10.370		3.748		1403	0.468		3.740	
	11019		191			2132		191		B.M. 17-10
	10828		190			1941		190		GRAND AVE & ROWLAND AVE COVINA HILLS RD
	10638		381			1751		381		SEE F.B. 1381-117
12	32485	10.828		4.129	75°	5824	1.941		4.121	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 17-11 TO B.M. 17-10
										TOTAL BACKSIGHTS + 85.291
										" FORE " - 34.626
										DIFF. IN ELEVATION + 50.665
		85.291					34.626			

F.B. 1390 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 ..... 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. 1390 PG. 60										

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 1:20-2:00 P.M. Rod No. 5&C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-10 To B.M. 17-11
Date 11-20-52
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
	2057		190		#5	10922		191		17-10
	1867		190			10751		190		GRAND AVE & ROWLAND AVE COVINA HILLS RD.
	1677		380			10561		381		SEE F.B. 1381-117
1	50011	1.867		380	78°	32254	10.751		.381	FOR DESCRIPTION
	0704		132			10605		132		
	0572		132			10473		132		RGE. DREIER
	0440		264			10341		264		
2	17110	.0572		.044		31419	10.473		.045	
	0460		124			8318		125		
	0336		123			8193		123		
	0213		247			8070		248		
3	10091	0.336		.891		24581	8.194		.893	
	2133		116			11882		131		
	2017		116			11751		130		
	1901		232			11621		261		
4	60511	2.017		1.123		35254	11.751		1.154	
	0338		078			9696		066		
	0260		077			9630		066		
	0183		155			9564		132		
5.	07811	0.260		1.278		28890	9.630		1.286	
		5.052					50.799			

F.B. 1390 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 CLEAR 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. 4923
From BM 17-10 To BM 17-11
Date 11-20-54
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
	0614	5.052	117	1.278		8333	50.199	116	1.286	
	0497		117			8217		116		
	0380		234			8101		232		
6	1491	0.497		1.512		24651	8.217		1.518	
	2987		224			7378		225		
	2763		223			7153		222		
	2540		447			6931		447		
7	8290	2.763		1.959		21462	7.154		1.965	
	4890		213			4172		210		
	4677		211			3962		207		
	4466		424			3755		417		
8	12033	4.678		2.383		11889	3.963		2.382	
	5383		212			2981		215		
	5171		212			2766		215		
	4959		424			2551		430		
9	15513	5.171		2.807		8298	2.766		2.812	
	5530		210			2880		212		
	5320		210			2668		210		
	5110		420			2458		422		
10	15960	5.320		3.227		8006	2.669		3.234	
		23.481					75.568			

F.B. 1390 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 1:20-2:00 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4929
From B.M. 17-10 To B.M. 17-11
Date 11-20-52
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
	9095	23.481	208	3.227		4241	75568	210	3.234	
	8887		208			4031		210		
	8679		416			3821		420		
11	26661	8.887		3.643		12093	4.031		3.654	
	1933		236			5368		233		B.M. 17-10
	1697		237			5135		232		CHINA HILLS RD & CHAPARRO RD
	1460		473			4903		465		SEE F.B. 1381-118
12.	5090	1.697		4116	80°	15406	5.135		4119	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 17-10 to B.M. 17-11
										TOTAL BACKSIGHTS + 32.065
										" FORE " − 82.734
										DIFF IN ELEVATION − 50.669
		32.065					82.734			

F.B. 1370 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. .....

L. A. CO. PRECISE LEVEL NET

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. 1390 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 2:10-2:55PM Rod No. 546

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-11 To B.M. 17-12
Date 11-20-52
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
	8894		147		#5	1411		148		BM 17-11
	8747		146			1263		145		COVINA HILLS RD & ASE #20234
	8601		293			1118		293		SEE F.B. 1381-116
1	26242	8.747		293	80°	3792	1.264		293	FOR DESCRIPTION
	10092		104			0378		109		
	9988		105			0269		106		⊼ E. LANDA
	9883		209			0163		215		
2	29963	9.988		502		0810	0.270		.508	
	11350		102			1902		102		
	11248		102			1800		101		
	11146		204			1699		203		
3	33944	11.248		.706		5401	1.800		.711	
	11807		160			1129		161		
	11647		160			0988		161		
	11487		320			0827		322		
4	34941	11.647		1.026		2944	0.981		1.033	
	11157		135			0964		131		
	11022		132			0833		129		
	10890		267			0704		260		
5	33069	11.023		1.293		2501	0.834		1.293	
		52.653					5.156			

F.B. 1390 PG. 65

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 2:10-2:55 PM Rod No. 5 & C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-11 To B.M. 17-12
Date 11-20-52
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
	9819	52.653	120	1.293		2639	6.156	121	1.293	
	9699		120			2518		121		
	9579		240			2397		242		
6.	29097	9.699		1.532		7554	2.518		1.535	
	9810		131			1562		132		
	9679		130			1430		130		
	9549		261			1280		262		
7.	29038	9.679		1.794		4232	1.411		1.797	
	10207		134			1402		125		
	10073		131			1277		127		
	9942		265			1150		252		
8	30222	10.074		2.059		3829	1.276		2.049	
	10393		091			2062		081		
	10302		089			1981		081		
	10213		180			1900		167		
9	30908	10.303		2.239		5943	1.981		2.210	
	10098		117			1119		120		
	9981		113			0999		119		
	9868		230			0880		239		
10	29947	9.982		2.469		2998	0.999		2.469	
		102.390					13.341			

F.B. 390 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 2:10-2:55 P.M. Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-11 To B.M. 17-12
Date 11-20-52
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
	10620	10239	117	2469		0642	13.341	119	2449 50	
	10503		114			0523		119		
	10389		231			0404		238		
11.	31512	10504		2700		1569	0523		2687	
	10552		151			2707		156		B.M. 17-12
	10401		149			2552		152		COVINA HILLS BLVD & HSE #2023d
	10252		300			2400		308		SEE F.B. 1381-119
12.	31205	10402		3000	76°	7659	2553		2994	FOR DESCRIPTION
										SUMMATION OF RUN B.M. 17-11 TO B.M. 17-12
										TOTAL BACKSIGHTS + 123.296
										" FORE - 16.417
										DIFF IN ELEVATION +106.879
		123.296					16.417			

B.K. 390 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. 1390 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 CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 2:05-2:45PM Rod No. 5 & C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-12 To BM 17-11
Date 11-21-52
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
	2738		152		#5	10589		154		BM 17-12
	2586		152			10435		151		COVINA HILLS ROD HOLE #20234
	2434		304			10284		305		SEE F.B. 1381-119
1	7758	2586		304	65°	31308	10436		305	FOR DESCRIPTION
	0701		118			10681		116		
	0583		114			10565		116		⊼ E. LANDA
	0469		232			10449		232		
2	1753	0584		536		31695	10565		537	
	1325		117			10308		118		
	1208		118			10190		117		
	1090		235			10073		235		
3	3623	1208		771		30571	10190		772	
	1852		088			10175		087		
	1764		087			10088		089		
	1677		175			9999		176		
4	5293	1764		946		30262	10087		942	
	1481		124			10243		131		
	1357		127			10152		131		
	1230		251			10021		262		
5	4068	1356		1197		30456	10152		1210	
		7498					51430			

F.B. 1390 PG. 69

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 CLOUDY
Time 2:05-2:45 PM
Inst. No. 50010
Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-12 To BM 17-11
Date 11-21-52
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
	1559	7.498	131	1.197		9825	51.430	132	1.210	
	1428		130			9693		130		
	1298		261			9563		262		
6	4285	1.428		1.458		29081	9.694		1.472	
	2571		123			9743		115		
	2448		125			9628		118		
	2323		248			9510		233		
7	7342	2.447		1.706		28881	9.627		1.705	
	0921		131			11109		130		
	0790		131			10979		131		
	0659		262			10848		261		
8	2370	0.790		1.960		32936	10.979		1.960	
	1070		162			11723		159		
	0908		162			11564		159		
	0746		324			11405		318		
9	2724	0.908		2.292		34692	11.564		2.284	
	2135		102			11582		102		
	2032		100			11480		101		
	1932		202			11379		203		
10	6099	2.033	3	2.494		34441	11.480		2.487	
		15.104					104.774			

F.B. 1390 PG. 70

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 2:05-2:45 PM Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4925
From B.M. 17-12 To B.M. 17-11
Date 11-21-52 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
	0533	15.104	095	2494 5		10264	104.774	107	2487	
	0438		096			10157		107		
	0342		191			10050		214		
11	1313	0.438		2685 6		30471	10.157		2701	
	1386		151			8862		143		B.M. 17-11
	1235		149			8719		142		COVINA HILLS RD & CHAPARRO RD
	1086		300			8577		285		SEE F.B. 1381-118
12	3707	1.236		2985 6	65°	26158	8.719		2916	FOR DESCRIPTION
										SUMMATION OF RQ.1
										B.M. 17-12 TO B.M. 17-11
										TOTAL BACKSIGHTS +16.778
										" FORE " -123.650
										DIFF. IN ELEVATION -106.872
										F.B. 1320 PG. 71
		16.778					123.650			

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 K. 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. 1390 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 3:00-3:45 P.M. Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-12 To B.M. 17-13
Date 11-20-52
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
	7652		149		#5	9670		147		B.M. 17-12
	7503		145			9523		145		COVINA HILLS RD & HSE #20234
	7358		294			9378		292		SEE F.B. 1381-119
1	22513	7.504		294	76°	28571	9.524		292	FOR DESCRIPTION
	1179		065			8958		065		
	1114		063			8893		063		⊼ E. LANDA
	1051		128			8830		128		
2	3344	1.115		422		26681	8.894		420	
	0832		087			7957		088		
	0745		088			7869		088		
	0657		175			7781		176		
3	2234	0.745		597		23607	7.869		596	
	3426		214			3770		212		
	3212		213			3558		214		
	2999		427			3344		426		
4	9637	3.212		1024		10672	3.557		1022	
	6675		115			1153		115		
	6560		116			1038		117		
	6444		231			0921		232		
5	19679	6.560		1255		3112	1.037		1254	
		19.136					30.881			

F.B. 1390 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 Inst. No. 50010
Notes by S. SHIMADA Time 3:00-3:45 PM Rod No. 5 & C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-12 To BM 17-13
Date 11-20-52
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
	9998	19.136	105	1.255		1079	30.881	103	1.254	
	9893		102			0976		103		
	9791		207			0873		206		
6.	29682	9.894		1.462		2928	0.976		1.460	
	11429		089			0665		087		
	11340		089			0578		088		
	11251		178			0490		175		
7.	34020	11.340		1.640		1733	0.578		1.635	
	9282		099			1041		118		
	9183		098			0923		115		SUMMATION OF RUN
	9086		197			0808		233		BM 17-12 TO BM 17-13
8.	27550	9.183		1.837		2772	0.924		1.868	
	6567		214			8010		215		TOTAL BACKSIGHTS + 62.238
	6353		212			7795		214		" FORE " - 45.714
	6141		426			7581		429		DIFF. IN ELEVATION + 16.524
9.	19061	6.354		2.265		23386	7.795		2.297	
	6449		119			4668		108		BM 17-13
	6330		117			4560		108		COVINA HILLS RD & HOLT AVE
	6213		236			4452		216		SEE F.B. 1381-120
10	18992	6.331		2.499	70°	13680	4.560		2.513	FOR DESCRIPTION
		62.238					45.714			

F.B. 1390 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. DREYER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:30-2:00 P.M. Rod No. 5 & C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-13 To B.M. 17-12
Date 11-21-52
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
	4408		113		#5	6178		112		BM 17-13
	4295		112			6066		113		COVINA HILLS RD & HOLT AVE
	4183		225			5953		225		SEE F.B. 1381-120
1	12886	4295		.225	67°	18197	6.067		.225	FOR DESCRIPTION
	7920		215			6478		215		
	7705		215			6263		211		R. E. LANDA
	7490		430			6052		426		
2	23115	7705		.655		18793	6.264		.651	
	1042		117			9283		099		
	0925		116			9184		097		
	0809		233			9087		196		
3	2776	0925		.888		27554	9.185		.847	
	0527		083			11303		093		
	0444		082			11210		095		
	0362		165			11115		188		
4	1333	0444		1.053		33628	11209		1.035	
	1199		100			10119		102		
	1099		104			10017		103		
	0995		204			9914		205		
5	3293	1.098		1.257		30050	10.017		1.240	
		14.467					42.742			

F.B. 1390 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 CLOUDY Inst. No. 50010
Notes by S SHINODA Time 1:30-2:00 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-13 To B.M. 17-12
Date 11-21-52
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
	1303	12.467	116	1.257		6823	42.722	114	1.240	
	1187		118			6709		114		
	1069		234			6595		228		
6	3559	1.186		1.491		20127	6.709		1.468	
	3718		216			3371		214		
	3502		212			3157		212		
	3290		428			2945		426		
7	10510	3.503		1.919		9473	3.158		1.894	
	7966		087			0843		088		
	7879		088			0755		086		SUMMATION OF RUN
	7791		175			0669		174		B.M. 17-13 TO B.M. 17-12
8	23636	7.879		2.094		22267	07.556		2.068	
	8908		066			1128		066		TOTAL BACKSIGHTS + 45.178
	8842		063			1062		063		FORE - 61.711
	8779		129			0999		129		DIFF. IN ELEVATION - 16.533
9	26529	8.843		2.225		3189	1.063		2.197	
	9441		141			7436		154		B.M. 17-12
	9300		140			7282		152		COVINA HILLS RD. & HSE #20230
	9160		281			7130		306		SEE F.B. 1381-119
10	27901	9.300		2.504	65°	21848	7.283		2.503	FOR DESCRIPTION
		45.178					61.711			

F.B. 1390 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 CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 3:00-3:30PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-13 To BM 17-12
Date 11-21-51 L. G. 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
	4351		112		#5	6121		111		BM 17-13
	4239		116			6010		111		COVINA HILLS RD & HOLT AVE
	4123		228			5899		222		SEE F.B. 1381-120
1	12713	4.238		.228	65°	18030	6.010		.222	FOR DESCRIPTION
	7903		214			6461		213		
	7689		214			6248		213		T. E. LANDA
	7475		428			6035		426		
2	23067	7.689		.656		17744	6.248		.648	
	6892		118			9131		099		
	6774		116			9032		097		
	6658		234			8935		196		
3	20324	6.775		.890		27098	9.033		.944	
	5520		088			11288		091		
	5432		086			11197		089		
	5346		174			11108		180		
4	16298	5.433		.1064		33593	11.198		.1024	
	4430		098			10359		108		
	4332		097			10251		108		
	4235		195			10143		216		
5	39997	4.332		1.259		30753	10.251		1.240	
		44.67					42.720			

F.B. 1390 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 G.E. DREIER Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 3:00-3:30 PM Rod No. 5 & C

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From BM 17-13 To BM 17-12
Date 11-21-52
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
	1364	1.247	113	1.259		6892	4.740	119	1.260	
	1251		113			6773		110		
	1138		226			6657		235		
6	3753	1.251		1.485		20322	6.774		1.475	
	3758		210			3410		216		
	3548		211			3200		212		
	3337		421			2988		428		
7	10643	3.548		1.906		9604	3.201		1.903	
	7991		088			0869		089		
	7903		085			0780		088		SUMMATION OF RUN
	7818		173			0692		177		BM 17-13 TO BM 17-12
8	23712	7.904		2.079		2341	3.780		2.080	
	8972		063			1193		064		TOTAL BACKSIGHTS + 45.487
	8909		064			1129		065		- FORE - 62.014
	8845		127			1064		129		DIFF. IN ELEVATION - 16.527
9	26726	8.909		2.206		3386	1.129		2.209	
	9555		146			7538		148		BM 17-12
	9409		148			7390		148		COVINA HILLS ROAD HSE # 20238
	9261		294			7242		296		SEE F.B. 1381-119
10	28225	9.408		2.500	65°	22170	7.390		2.505	FOR DESCRIPTION
		45.487					62.014			

F.B. 1390 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 S. SHINODA Time 8:45-9:40AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-13 To B.M. 17-14
Date 11-21-52
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
	11290		210		#5	4199		214		BM 17-13
	11080		210			3985		212		COVINA HILLS RD & HOLT AVE
	10870		420			3771		428		SEE F.B. 1391-120
1	33240	11.080		420	67°	11955	3.985		428	FOR DESCRIPTION
	7950		211			1088		216		
	7739		211			0872		212		⊼ G.E. DREIER
	7528		422			0660		428		
2	23217	7.739		842		2620	0.873		856	
	8967		175			1657		177		
	8792		174			1480		177		
	8618		349			1303		354		
3	26377	8.792		1191		4440	1.480		1210	
	8519		177			1158		177		
	8342		174			0981		174		
	8168		351			0807		351		
4	25029	8.343		1542		2946	0.982		1561	
	9382		095			0597		093		
	9287		096			0504		093		
	9191		191			0411		186		
5	27860	9.287		1733		1512	0.504		1747	
		45.240					7.824			

F.B. 1390 PG. 70

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 8:45 - 9:40 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-13 To B.M. 17-14
Date 11-21-52
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
	11839	45.241	131	1.733		1788	1.824	126	1.747	
	11708		131			1657		126		
	11577		262			1531		252		
6	35124	11.708		1.995		4971	1.657		1.999	
	8327		177			0575		147		
	8150		173			0427		148		
	7977		350			0279		296		
7	24454	8.151		2.345		1281	0.427		2.292	
	11191		172			0609		148		
	11019		172			0462		145		SUMMATION OF RUN
	10847		844			0317		292		BM. 17-13 TO BM. 17-14
8	33057	11.019		2.689		1388	0.463		2.586	
	8625		121			0670		143		TOTAL BACKSIGHTS + 94.115
	8504		121			0527		144		- FORE - - 12.822
	8383		242			0383		287		DIFF. IN ELEVATION + 81.293
9	25512	8.504		2.931		1580	0.527		2.873	
	9575		084			2030		106		BM. 17-14
	9491		082			1924		107		COVINA HILLS RD. .4 MI. E OF HOLT AVE
	9409		166			1817		213		SEE F.B. 1381-121
10	28475	9.492		3.097	61°	5771	1.924		3.086	FOR DESCRIPTION
		94.115					12.822			

F.B. 1390 PG. 80

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 11:30 - 12:00AM Rod No. 5EC

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-14 To B.M. 17-13
Date 11-21-52
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
	2374		101		#5	9933		091		B.M. 17-14
	2273		101			9842		091		COVINA HILLS RD. .4 MI E OF HOLT AVE
	2172		202			9751		182		SEE F.B. 1381-121
1	6819	2273		202	65°	29526	9842		182	FOR DESCRIPTION
	0901		133			8877		132		
	0768		132			8745		131		π G.E. DREIER
	0636		265			8614		263		
2	2305	0768		467		26236	8745		445	
	0508		150			11083		168		
	0358		150			10915		167		
	0208		300			10748		335		
3	1074	0358		767		32746	10915		780	
	0557		147			8308		176		
	0410		147			8132		174		
	0264		293			7958		350		
4	1231	0410		1060		24398	8133		1130	
	1509		140			11538		119		
	1369		139			11419		118		
	1230		279			11301		237		
5	4108	1369		1339		34238	11419		1367	
		5178					49054			

F.B. 1390 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 CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:30-12:00 AM Rod No. 5 & C

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 17-14 To B.M. 17-13
Date 11-21-52
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
	0597	5.178	094	1.339		9381	4.958	096	1.367	
	0503		093			9285		094		
	0410		187			9191		190		
6	1510	0.503		1.526		27857	9.284		1.557	
	1108		185			8451		167		
	0923		184			8284		166		
	0739		369			8118		333		
7	2770	0.923		1.895		24853	8.284		1.890	
	1010		178			8318		175		
	0832		175			8143		174		SUMMATION OF RUN
	0657		353			7969		349		B.M. 17-14 TO B.M. 17-13
8	2499	0.833		2.248		24430	8.143		2.239	
	0734		213			7597		213		TOTAL BACKSIGHTS + 11.729
	0521		212			7384		212		" FORE " - 93.016
	0307		427			7172		425		DIFF. IN ELEVATION 81.287
9	1562	0.521		2.675		22153	7.384		2.664	
	3980		209			11082		218		B.M. 17-13
	3771		209			10864		216		COVINA HILLS RD & HOLT AVE
	3562		418			10648		434		SEE F.B. 1381-120
10	11313	3.771		3.093	67°	32594	10.865		3.098	FOR DESCRIPTION
		11.729					93.016			

F.B. 1390 PG. 82

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. SHIMODA Time 9:40-10:40 AM Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-12 To B.M. 17-15
Date 11-21-52
Indexed K. 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
	10395		124		#5	1603		124		B.M. 17-12
	10271		123			1479		122		CORONA HILLS RD. 4 MILE OF HOLT AVE
	10148		247			1357		246		SEE F.B. 1391-121
1	30814	10.271		247	61°	4439	1.480		246	FOR DESCRIPTION
	10202		125			1500		121		
	10077		125			1379		120		K. G.E. DREIER
	9952		250			1259		241		
2	30231	10.077		497		4138	1.379		487	
	11167		125			1282		125		
	11042		123			1157		125		
	10919		248			1032		250		
3	33128	11.043		745		3471	1.157		737	
	10922		122			0522		130		
	10800		122			0392		130		
	10678		244			0262		260		
4	32400	10.800		989		1176	0.392		997	
	10370		073			1096		071		
	10297		074			1025		071		
	10223		147			0954		142		
5	30890	10.297		1.136		3075	1.025		1.139	
		52.488					5.433			

F.B. 1390 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 Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:40-10:40AM 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 11-21-52
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
	9112	9.488	073	1.136		1616	5.433	073	1.139	
	9039		073			1543		072		
	8966		146			1471		145		
6	27117	9.039		1.282		4630	1.543		1.284	
	8662		088			2257		087		
	8574		086			2170		087		
	8488		174			2083		174		
7	25724	8.575		1.456		6510	2.170		1.458	
	9108		089			1558		086		
	9019		089			1472		086		
	8930		178			1386		172		
8	27057	9.019		1.634		4416	1.472		1.630	
	9333		102			2056		103		
	9231		102			1953		102		
	9129		204			1851		205		
9	27693	9.231		1.838		5860	1.953		1.835	
	8690		104			1126		104		
	8586		104			1022		101		
	8482		208			1921		205		
10	25758	8.586		2.046		4069	1.023		2.040	
		96.938					13.594			

F.B. 1390 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 CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:40-10:40AM Rod No. 5EC

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-14 To B.M. 17-15
Date 11-21-52
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
	10014	96.938	077	2.026		2341	13.594	077	2.020	
	9937		078			2264		077		
	9859		155			2187		154		
11	29810	9.937		2.201		6792	2.264		2.194	
	10730		072			2531		074		
	10658		071			2457		075		
	10587		143			2382		149		
12	31975	10.658		2.344		7370	2.457		2.343	
	10415		073			2350		073		
	10342		073			2277		072		
	10269		146			2205		145		
13	31026	10.342		2.490		6832	2.277		2.488	
	10768		105			0643		103		
	10663		103			0540		102		
	10560		208			0438		205		
14	31991	10.664		2.698		1621	0.540		2.693	
	10730		100			1263		100		
	10630		100			1163		099		
	10530		200			1064		199		
15	31890	10.630		2.898		3490	1.163		2.892	
		149.169					22.295			

F.B. 1390 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 G.E. DREIER Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:40-10:40 AM Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4928
From BM 17-14 To BM 17-15
Date 11-21-52
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
	8715	149.169	051	2898		3047	22.295	050	2892	B.M. 17-15
	8664		050			2997		050		COVINA HILLS RD & HSE # 21140
	8614		01N			2947		100		SEE F.B. 1381-122
14	25993	8664		2999	62°	8991	2997		2992	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 17-14 TO B.M. 17-15
										TOTAL BACKSIGHTS + 157.133
										" FORE " - 25.292
										DIFF IN ELEVATION + 132.541
F.B. 1390 PG. 86										
		157.833					25.292			

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 10:40-11:30AM Rod No. 5&C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-15 To B.M. 17-14
Date 11-21-52
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
	2946		050		#5	8613		051		B.M. 17-15
	2896		050			8562		050		COVINA HILLS RD & [illegible] #21140
	2846		100			8512		101		SEE F.B. 1381-122
1.	8688	2.896		100	62°	25687	8.562		101	FOR DESCRIPTION
	1288		100			10753		101		
	1188		100			10652		099		⊼ G.E. DREIER
	1088		200			10553		200		
2.	3564	1.188		300		31958	10.653		.301	
	0562		103			10686		104		
	0459		105			10582		104		
	0354		208			10478		208		
3	1375	0.458		508		31746	10.582		509	
	2339		073			10407		076		
	2266		073			10331		076		
	2193		146			10255		152		
4.	6798	2.266		654		30993	10.331		.661	
	2493		075			10691		072		
	2418		077			10619		072		
	2341		152			10547		144		
5.	7252	2.417		.806		31857	10.619		.805	
		9.225					50.747			

F.B. 1390 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 CLEAR Inst. No. 50010
Notes by S SHINODA Time 10:40-11:30 AM Rod No. 5 & C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-15 To BM 17-14
Date 11-21-52
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
	2366	9.225	080	.806		10039	10.121	080	.805	
	2286		080			9959		080		
	2206		160			9879		160		
6	6858	2286		.966		29877	9.959		.965	
	1091		103			8653		103		
	0988		104			8550		103		
	0884		207			8447		206		
7	2963	0.988		1.173		25650	8.550		1.171	
	2091		102			9370		102		
	1989		101			9268		101		
	1888		203			9167		203		
8.	5968	1.989		1.376		27805	9.268		1.374	
	1610		087			9159		089		
	1523		086			9070		088		
	1437		173			8982		177		
9	4570	1.523		1.549		27211	9.070		1.551	
	2267		086			8673		086		
	2181		085			8587		084		
	2096		171			8499		174		
10.	6544	2.181		1.720		25759	8.586		1.725	
		18.192					96.180			

F.B. 1390 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 CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 10:40-11:30 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-15 To BM 17-14
Date 11-21-52
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
	1709	18.192	072	1.720		9207	96.180	075	1.725	
	1637		071			9132		073		
	1566		143			9059		148		
11	4912	1.637		1.863		27398	9.133		1.873	
	1065		072			10338		073		
	0993		070			10265		072		
	0923		142			10193		145		
12	2981	0.994		2.005		30796	10.265		2.018	
	0541		131			10,939		122		
	0410		131			10.817		121		
×	0279		262			10.696		243		
13	1230	0.410		2.267		29452	10.817		2.261	
	1233		125			11118		125		
	1108		126			10993		124		
	0982		251			10869		249		
14	3323	1.108		2.518		32980	10.993		2.510	
	1343		122			10443		124		
	1221		121			9919		122		
	1100		243			9797		246		
15	3664	1.221		2.761		29759	9.920		2.756	
		23.562					147.308			

F.B. 1390 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 G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:40-11:30AM Rod No. 5&C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-15 To B.M. 17-14
Date 11-21-52
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
	1632	23.562	124	2761		10427	147.308	125	2.756	B.M. 17-14
	1508		124			10302		124		COVINA HILLS RD & 4 MI E OF HOLT
	1384		248			10178		249		SEE F.B. 1381-121
16	4524	1.508		3009		30907	10.302		3005	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 17-15 TO B.M. 17-14
										TOTAL BACKSIGHTS +25.070
										" FORE " -157.610
										DIFF. IN ELEVATION -132.540
		25.070					157.610			

F.B. 1390 PG. 90

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 9:20-10:10 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-15 To B.M. 17-16
Date 11-24-52
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
	10568		118		#	1239		118		BM 17-15
	10450		118			1121		117		COVINA HILLS Rd & Hwy # 21140
	10332		236			1004		235		SEE F.B. 1381-122
1	31350	10450		236	55°	3364	1.121		235	FOR DESCRIPTION
	11042		105			1517		097		
	10937		106			1420		099		R. E. LANDA
	10831		211			1321		196		
2	32810	10.937		.447		4258	1.419		.431	
	11275		149			3796		147		
	11126		148			3649		148		
	10978		297			3501		295		
3	33379	11.126		.744		10946	3.649		.726	
	2023		210			9710		215		
	1813		211			9495		213		
	1602		421			9282		428		
4	5438	1.813		1.165		28487	9.496		1.154	
	1491		129			8818		136		
	1362		129			8682		135		
	1233		258			8547		271		
5	4086	1.362		1.423		26047	8.682		1.425	
		35.688					24.368			

F.B. 1390 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 G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:20 - 10:10 AM Rod No. 5 & C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-15 To B.M. 17-16
Date 11-24-52
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
	0840	35.688	182	1.423		8828	24.367	185	1.425	
	0658		181			8643		184		
	0477		363			8459		369		
6	19751	0.658		1.786		25930	8.643		1.794	
	1084		183			10746		185		
	0901		181			10561		182		
	0720		364			10379		369		
7	27051	0.902		2.150		31686	10.562		2.161	
	1231		211			2606		213		
	1020		212			2393		211		SUMMATION OF RUN
	0808		423			2182		424		B.M. 17-15 TO B.M. 17-16
8	30591	1.020		2.573		71811	2.394		2.585	
	9438		214			2081		212		TOTAL BACKSIGHTS +53.440
	9224		211			1869		214		" FORE " − 53.722
	9013		425			1655		426		DIFF. IN ELEVATION − 0.276
9	27675	9.225		2.998		56051	1.868		3.011	
	6155		202			6118		232		B.M. 17-16
	5953		201			5886		229		COVINA HILLS ROD & HSE # 21542
	5752		403			5657		461		SEE F.B. 1381-123
10	17860	5.953		3.401	63°	17661	5.887		3.472	FOR DESCRIPTION
		53.440					53.722			

F.B. 1390 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 CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:00-2:40PM Rod No. S&C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-16 To B.M. 17-15
Date 11-24-51
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
	6159		219		#6	6222		215		B.M. 17-16
	5940		216			6007		215		Covina Hills Rd & Hse # 21542
	5724		435			5792		430		See F.B. 1381-123
1.	17823	5.941		435	67°	18021	6.007		430	For description
	2083		213			9440		211		
	1870		210			9229		209		π E. LANDA
	1660		423			9020		420		
2.	5613	1.871		858		27689	9.230		850	
	2757		210			1365		212		
	2527		212			1153		213		
	2315		422			0940		425		
3.	7579	2.526		1280		3458	1.153		1275	
	10882		183			1222		182		
	10699		183			1040		186		
	10516		366			0854		368		
4.	32097	10.699		1646		3116	1.039		1643	
	8928		186			0943		183		
	8742		183			0760		182		
	8559		369			0578		365		
5.	26229	8.743		2015		2281	0.760		2008	
		29.780					18.189			

F.B. 1390 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 G.E. DEEIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:00-2:40 PM Rod No. 5 & 6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-16 To BM 17-15
Date 11-24-52
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
	8879	29.780	137	2.015		1550	18.189	130	2.008	
	8742		134			1420		129		
	8608		271			1291		259		
6	26229	8.743		2.286		4261	1.420		2.267	
	10769		212			3092		216		
	10557		212			2876		218		
	10345		424			2658		434		
7	31671	10.557		2.710		8626	2.875		2.701	
	3822		144			11301		148		
	3678		146			11153		149		SUMMATION OF RUN
	3532		290			11004		297		BM 17-16 TO
8	11032	3.677		3.000		33458	11.153		2.998	
	1245		096			10770		103		TOTAL BACKSIGHTS + 55.746
	1149		097			10667		100		" FORE " − 55.472
	1052		193			10567		203		DIFF. IN ELEVATION + 0.274
9	3446	1.149		3.193		32004	10.668		3.201	
	1960		120			11283		115		BM 17-15
	1840		120			11168		117		Covina Hills Rd & Hse # 21120
	1720		240			11051		232		SEE F.B. 1381-122
10	5520	1.840		3.433	LC	33502	11.167		3.433	FOR DESCRIPTION
		55.746					55.472			

F.B. 1390 PG. 94

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 10:15-11:20AM Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-16 To BM 17-17
Date 11-24-52
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
	8778		108		#5	0511		098		BM 17-16
	8670		105			0413		096		COVINA HILLS RD & HSE #21542
	8565		213			0317		194		SEE F.B. 1381-123
1	26013	8.671		.213	63°	1241	0.414		.192	FOR DESCRIPTION
	10798		107			0621		105		
	10691		105			0536		105		π E. LANDA
	10586		212			0431		210		
2	32075	10.692		.425		1608	0.536		.404	
	11062		103			0917		104		
	10959		101			0813		102		
	10858		204			0711		206		
3	32879	10.960		.629		2441	0.814		.610	
	9900		142			0510		149		
	9758		145			0361		146		
	9613		287			0215		295		
4	29271	9.757		.916		1086	0.362		.905	
	10752		100			0515		102		
	10652		101			0413		101		
	10551		201			0312		203		
5	31955	10.652		1.117		1240	0.413		1.108	
		50.732					2.539			

F.B. 1390 PG. 95

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 10:15-11:24 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 11-24-52
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
	11175	50.732	064	1.117		0451	2.539	063	1.108	
	11111		061			0388		063		
	11050		125			0325		126		
6	33336	11.112		1.242		1164	0.388		1.226 34	
	11228		079			0328		068		
	11149		079			0260		067		
	11070		158			0193		135		
7	33447	11.149		1.400		0781	0.260		1.367 9	
	10123		070			0419		075		
	10053		070			0412		072		
	9983		140			0342		147		
8	30159	10.053		1.540		1245	0.415		1.508 16	
	9187		070			0769		078		
	9117		069			0691		075		
	9048		139			0616		153		
9	27352	9.117		1.679		2076	0.692		1.667 9	
	11613		090			2895		087		
	11523		086			2808		088		
	11437		176			2720		175		
10	34573	11.524		1.855		8423	2.808		1.836 44	
		103.687					7.102			

F.B. 1390 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 J. SHINODA Time 10:15-11:20AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-16 To BM 17-17
Date 11-24-52
Indexed L. 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
	10492	10.287	072	1.855		1267	7.102	084	1.836 44	
	10420		073			1183		082		
	10347		145			1101		166		
11	31259	10.420		2.000		3551	1.184		2.002 10	
	10285		086			1163		087		
	10199		087			1076		086		
	10112		173			0990		173		
12	30596	10.199		2.173		3229	1.076		2.175 33	
	9882		092			0569		097		
	9790		094			0472		094		SUMMATION OF RUN
	9696		186			0378		191		BM 17-16 TO BM 17-17
13	29368	9.789		2.359		1419	0.473		2.366 74	
	10842		143			4963		153		TOTAL BACKSIGHTS +155.079
	10699		144			4810		152		" FORE " -15.151
	10555		287			4658		305		DIFF. IN ELEVATION +139.928
14	32096	10.699		2.646		14431	4.810		2.674 9	
	10308		023			0539		032		BM 17-17 (U.S. 368)
	10285		024			0507		034		COVINA HILLS RD & GALVEY AVE
	10261		047			0473		066		SEE F.B. 1381-124
15	30854	10.285		2.693	68°	1519	0.506		2.737 45	FOR DESCRIPTION
		155.079					15.151			

F.B. 1370 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. 1390 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 CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:25-1:55 PM Rod No. 5 F.C.

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-17 To B.M. 17-16
Date 11-24-53
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
	0969		034		85	10733		022		B.M. 17-17 (U.S. 368)
	0935		033			10711		022		COVINA HILLS RD & GARVEY AVE
	0902		067			10689		044		SEE F.B. 1381-124
1	2806	0.935		.067	68°	32133	10.711		044	FOR DESCRIPTION
	4901		149			10788		149		
	4752		151			10639		147		R. E. LANDA
	4601		300			10492		296		
2	14254	4.757		.367		31919	10.640		.340	
	0602		094			9919		096		
	0508		095			9823		093		
	0413		189			9730		189		
3	1523	0.508		.556		29472	9.824		.529	
	1212		087			10338		088		
	1125		086			10250		087		
	1039		173			10163		175		
4	3376	1.125		.729		30751	10.250		.704	
	1032		073			10263		071		
	0959		071			10192		072		
	0888		144			10120		143		
5	2879	0.960		.873		30575	10.192		.847	
		~~8.280~~ 79					51.617			

F.B. 1390 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 Inst. No. 50010
Notes by S. SHINODA Time 11:25-1:55 PM Rod No. 5 & C

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 17-17 To B.M. 17-16
Date 11-24-52
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
	2868	8.2~~60~~ 79	090	.873		11582	51.617	087	.847	
	2778		088			11495		086		
	2690		178			11409		173		
6	8336	2.779		1.051		34486	11.495		1.020	
	1031		072			9455		073		
	0959		071			9382		072		
	0888		143			9310		145		
7	2878	0.959		1.194		28147	9.382		1.165	
	0760		070			10400		071		
	0690		071			10329		074		ONE HOUR FOR LUNCH
	0619		141			10255		145		
8	2069	0.690		1.335	68°	30984	10.328		1.310	
	0452		065			11351		079		
	0387		066			11272		079		
	0321		131			11193		158		
9	1160	0.387		1.466	67°	33816	11.272		1.468	
	0606		062			11332		062		
	0544		061			11270		063		
	0483		123			11207		125		
10	1633	0.544		1.589		33809	11.270		1.593	
		13.699					105.364			

F.B. 1390 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 CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:25-1:55PM Rod No. 58C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-17 To B.M. 17-16
Date 11-24-52
Indexed K. 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
	0423	13.639 8	102	1.589		10659	105.364	100	1.593	
	0321		101			10559		100		
	0220		203			10459		200		
11.	0964	0.321		1.792		31677	10.559		1.793	
	0698		146			10097		148		
	0552		144			9949		146		
	0408		290			9803		294		
12.	1658	0.553		2.082		29849	9.950		2.087	
	0906		104			11050		102		
	0802		101			10948		102		SUMMATION OF RUN
	0701		205			10846		204		B.M. 17-17 TO B.M. 17-16
13.	2409	0.803		2.287		32844	10.948		2.291	
	0543		106			10699		107		TOTAL BACKSIGHTS = 16.105
	0437		107			10592		103		" FORE " = 156.023
	0330		213			10489		210		DIFF IN ELEVATION = 139.918 9
14	1310	0.437		2.500		31780	10.593		2.501	
	0452		100			8711		102		B.M. 17-16
	0352		101			8609		103		COVINA HILLS RDE HE # 21542
	0251		201			8506		205		SEE F.B. 1381-12
15.	1055	0.352		2.701	67°	25926	8.609		2.706	FOR DESCRIPTION
		16.105					156.023			

F.B. 1390 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. 1390 PG. 102										

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 M. SOMMENSCHEIN Time 11:00 AM-12:00 Rod No. 586

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From BM. 17-16 To BM. 17-17
Date 11-28-52
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
1	8648		104		#5	0390		102		B.M. 17-16
	8544		103			0288		102		COVINA HILLS RD & Hse # 21542
	8441		207		58°F	0186		204		See F.B. 1381-123
	25633	8544		207		0864	0288		204	FOR DESCRIPTION
2	10044		103			0525		90		
	9941		101			0435		89		⊼ E. Landa
	9840		204	411		0346		179	383	
	29825	9942				1316	0435			
3	11489		110			0690		107		
	11379		111			0583		103		
	11268		221			0480		210		
	34136	11379		632		1753	0584		593	
4	10153		145			0755		145		
	10008		147			0610		146		
	9861		292	924		0464		291	884	
	30022	10007				1829	0610			
5	10635		100			0401		102		
	10535		97			0299		102		
	10438		197	1121		0197		204	1088	
	31608	10534				0897	0299			
		50,406					2216			
		8								

F.B. 1390 PG. 103

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 M. SONNENSCHEIN Time 11:00AM 12:00 Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-16 To BM 17-17
Date 11-28-52
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
	10945	50.406	59	1121		0325	2.216	65	1088	
	10984		60			0260		63		
	10924		121 +119			0197				
6	32953	10984		1240		0782	0261	128	1216	
	11739		80			0840		69		
	11659		80			0771		70		
	11579					0701				
7	34967	11659	160	1400		2312	0771	139	1355	
	10349		72			0711		72		
	10277		71			0639		70		
	10206					0569				
8	30832	10277	143	1543		1919	0640	142	1497	
	9177		69			0759		77		
	9108		69			0682		74		
	9039					0608				
9	27314	9108	148	1641		2049	0683	151	1648	
	11109		82			2405		95		
	11027		82			2310		95		
	10945					2215				
10	33181	11027	164	1855		6930	2310	190	1838	
		103.467					6981			

F.B. 1390 PG. 104

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 M. SINNENSCHEIN Time 11:00AM-12:00 Rod No. 586

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-16 To B.M. 17-17
Date 11-28-52
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
	10259	103.46	71	1855		1025	6881	73	1838	
	10188	3	73	47		0952		72		
	10115					0880				
11	30552	10187	144	1999		2857	0952	145	1983	
	10240		87			1117		88		
	10153		84			1029		88		
	10069			62		0941				
12	30462	10154	171	2170		3087	1029	176	2159	
	10028		97			0711		94		
	9932		93			0617		95		SUMMATION OF RUN
	9839		189			0522			8	B.M. 17-16 to B.M. 17-17
13	29799	9933	190	2360		1850	0617	189	2347	
	10441		131			4582		160		Total Backsights + 154.338
	10310		131			4422		161		" Foresights − 14.407
	10179			13		4261			9	Diff. in Elevation = 139.923
14	30930	10310	262	2672		13265	4422	321	2668	
	10308		023			0539		32		B.M. 17-17 (U.S. 368)
	10285		024			0507		34		COVINA HILLS RD & GARVEY AVE.
	10261		047	0		0473		066	5	SEE F.B. 1381-124
15	30854	10285		2669		1519	0506		2732	FOR DESCRIPTION
		154.338					14.407			

F.B. 1390 PG 105

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. 1390 PG. 106										

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 3:00-3:45 P.M. 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 11-24-52
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
	0681		033		#5	10427		023		B.M. 17-17 (U.S. 362)
	0648		032			10424		023		COVINA HILLS ROAD & SACURY AVE
	0616		065			10401		022		SEE F.B. 1381-124
1	1945	0.648		.061	68°	31272	10424		.022	FOR DESCRIPTION
	4221		209			4670		211		
	4012		209			4459		210		⊼ G.E. DREIER
	3803		418			4249		421		
2	12036	4012		.479		13377	4459		.467	
	5958		211			6766		214		
	5747		212			6552		212		
	5535		423			6340		426		
3	17240	5.747		.902		19658	6.553		.895	
	2128		213			10080		210		
	1935		212			9870		210		
	1723		425			9660		420		
4	5806	1.935		1.327		29610	9.870		1.313	
	0670		161			10098		167		
	0509		161			9931		166		
	0348		322			9765		333		
5	1527	0.509		1.649		29794	9.931		1.666	
		12.851					41.237			

F.B. 1390 PG. 107

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 3:00-3:45 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-17 To BM 17-18
Date 11-24-52
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
	0539	12.851	117	1.649		9508	41.237	115	1.666	
	0422		116			9393		115		
	0306		233			9279		230		
6	1267	0.422		1.882		28180	9.393	29	1.876	
	0718		119			8587		116		
	0599		117			8471		116		
	0482		236			8355		232		
7	1799	0.600		2.118		25413	8.471		2.107	
	0865		117			8718		116		
	0748		118			8602		115		
	0630		235			8487		231		
8	2243	0.748		2.353		25807	8.602		2.337	
	0653		132			9951		131		
	0521		131			9820		131		
	0390		263			9689		262		
9	1564	0.521		2.616		29460	9.820		2.607	
	0989		148			10219		146		
	0841		146			10073		145		
	0697		294			9928		291		
10	2527	0.842		2.908		30220	10.073		2.892	
		15.984					87.596			

F.B. 1390 PG. 108

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. DRZIER Weather CLEAR Inst. No. 50010
Notes by S. SHIKODA Time 3:00 - 3:45 PM Rod No. 5 & C

Name **L.A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 17-17 To B.M. 17-18
Date 11-24-52
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
	0472	15.984	133	2908		9415	87.596	130	2897	
	0339		132			9285		129		SUMMATION OF RUN
	0207		265			9156		259		BM 17-17 TO BM 17-18
11.	1018	0339		3173		27856	9.285		3150	
	0703		128			9489		134		TOTAL BACKSIGHTS + 19.076
	0575		127			9355		135		" FORE " − 124.677
	0448		255			9222		269		DIFF IN ELEVATION −105.601
12.	1726	0575		3428		28066	9355		3420	
	0491		131			9266		131		BM 17-18
	0360		130			9135		129		GARVEY AVE E OF CHINA HILL RD.
	0230		261			9006		260		SEE F.B. 1381-125
13.	1081	0360		3689		27407	9.136		3680	FOR DESCRIPTION.
	1899		081			9392		087		
	1818		081			9305		086		
	1737		162			9219		173		
14.	5454	1.818		3851	55°	27916	9.305		3852	
		19.076					124.677			

F.B. 1390 PG. 109

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. 1390 PG. 110										

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. Dreien Weather clear Inst. No. 50010
Notes by Toru Ohashi Time 9:10 to 10:10 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-18 To B.M. 17-17
Date 11-28-52 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
	9551		085		#5	2362		083		B.M. 17-18
	9466		084			2279		081		Harvey Ave E of Covina Rd
	9382		169			2198		164		See F.B. 1381-125
1	28399	9.466		169	52°	6839	2.280		164	for description
	9721		131			0645		132		
	9590		131			0513		131		T E. Landa
	9459		262			0382		263		
2	28770	9.590		431		1540	0.513		427	
	9564		131			0787		132		
	9433		131			0655		130		
	9302		262			0525		262		
3	28299	9433		693		1967	0656		689	
	9562		130			0620		132		
	9432		132			0488		132		
	9300		262			0356		264		
4	28294	9.431		955		1464	0.488		953	
	10.409		148			1177		147		
	10.261		144			1030		146		
	10117		292			0884		293		
5	30787	10.262		1247		3091	1.030		1246	
		48.182					4967			

F.B. 1390 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 Clear Inst. No. 50010
Notes by T. Onashi Time 9:10 to 10:10 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-18 To B.M. 17-17
Date 11-28-52
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
	10047	48.182	134	1247		0749	4967	133	1246	
	9913		131			0616		133		
	9782		265			0483		266		
6	29.742	9.914		1512		1848	0616		1512	
	9501		116			1649		118		
	9385		115			1531		119		
	9270		231			1412		237		
7	28156	9.385		1743		4592	1.531		1749	
	9092		115			1223		116		
	8977		117			1107		117		
	8860		232			0990		233		
8	26.929	8.976		1975		3320	1.107		1982	
	9885		116			0914		116		
	9769		117			0798		117		
	9652		233			0681		233		
9	29.306	9.769		2208		2393	0.798		2215	
	10569		167			1142		161		
	10402		165			0981		162		
	10237		332			0819		323		
10	31208	10.403		2540		2942	0.981		2538	
		96.629					10.000			

F.B. 1390 PG. 112

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. Orozco Weather Clear Inst. No. 50010
Notes by T. Ohashi Time 9:10 to 10:10 Rod No. 5E6

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-18 To B.M. 17-17
Date 11-28-57
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
	10310	96.629	213	2540		2374	10000	212	2538	
	10097		211			2162		211		
	9886		424			1951		423		
11	30293	10.098		2964		6497	2.162		2961	
	6691		213			5883		211		Summation of Run
	6478		215			5672		211		B.M. 17-18 to B.M. 17-17
	6263		428			5461		422		
12	19432	6.477		3392		17016	5.672		3383	
	4522		212			4070		209		Total Backsights = 127.938
	4310		211			3861		209		Total Fore " = 22.343
	4099		423			3652		418		diff in Elev. = 105.595
13	12931	4.310		3815		11583	3.861		3801	
	10447		023			0681		033		B.M. 17-17 (LLS. 368)
	10424		023			0648		032		Corina Hills Rd & Fonray Ave
	10401		046			0616		064		See F.B. 1381, 124
14	31272	10.424		3861	52°	1945	0.648	5	3865	for description

127.938 22.343

F.B. 1390 PG. 113

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.....

Numbers 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. 1390 PG. 114

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 Lt. Dreier Weather Clear Inst. No. 50010
Notes by E. Londo Time 8:30 to 9:20 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-18 To B.M. 17-18A
Date 11-25-52
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
	1923		50		#5	11.269		55		B.M. 17-18 CHINA HILLS RD
	1873		50			11.214		52		ARROYO AVE. 1.5 MI. E. OF
	1823		100			11.162		107		SEE F.B. 1381-125
1	5619	1.873		100	54	33.645	11.215		107	FOR DESCRIPTION
	0672		34			10.916		38		
	0638		32			10.878		38		π Lt. Dreier
	0606		66			10.840		76		
2	1.916	0.637		166		32.634	10.878		183	
	0233		28			10.354		28		
	0205		27			10.326		29		
	0178		55			10.297		57		
3	0.616	0.205		221		30.977	10.326		240	
	0354		23			9.453		22		
	0331		24			9.431		23		
	0307		47			9.408		45		
4	0.992	0.331		268		28.292	9.431		285	
	0322		32			10.318		33		
	0290		32			10.285		33		
	0258		64			10.252		66		
5	0.870	0.290		332		30.855	10.285		351	
		3.336					52.135			

F.B. 1390 PG. 115

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 8:30 to 9:20 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-18 To B.M. 17-18A
Date 11-25-52
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
	0.582	3.336	27	332		9.525	52.135	28	351	
	0.555		27			9.497		30		
	0.528		54			9.467		58		
6	1.665	0.555		386		28.489	9.496		409	
	0.919		51			9.090		49		
	0.868		50			9.041		49		
	0.818		101			8.992		98		
7	2.605	0.868		487		27.123	9.041		507	
	0.423		74			11.249		72		
	0.349		74			11.177		74		
	0.275		148			11.103		146		SUMMATION OF RUN
8	1.047	0.349		635		33.529	11.176		653	B.M. 17-18 TO B.M. 17-18A
	0.591		20			9.397		20		Total Backsights = + ~~6.398~~ 5.904
	0.571		20			9.377		22		Total Foresights = -95.312
	0.551		40			9.355		42		diff. in Elev. = -89.408
9	1.713	0.571		675		28.129	9.376		695	
	0.247		22			4.104		16		B.M. 17-18A
	0.225		22			4.088		16		SPK. IN LARGE SYCAMORE TREE
	0.203		44			4.072		32		SEE F.B. 1381-125
10	0.675	0.225		719		12.264	4.088		727	FOR DESCRIPTION
		5.904					95.312			

F.B. 1390 PG. 116

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 9:20 to 10:10 Rod No. 566

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-18A To B.M. 17-18
Date 11-25-52
Indexed R. T. 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
	4.157		17		#6	0299		20		B.M. 17-18A (U.S. 370)
	4.140		17			0279		21		SPK IN LARGE SYCAMORE TREE
	4123		34			0258		41		SEE F.B. 1381-125
1	12.420	4.140		34	60°	0836	0.279		41	FOR DESCRIPTION
	9.386		27			0579		24		
	9.359		26			0555		24		TT G.E. DREIER
	9333		53			0531		48		
2	28.078	9.359		87		1.665	0.555		89	
	11.263		75			0432		72		
	11.188		75			0360		72		
	1113		150			0288		144		
3	33.564	11.188		237		1.080	0.360		233	
	9.127		50			0954		51		
	9.077		49			0903		50		
	9028		99			0853		101		
4	27.232	9.077		336		2.710	0.903		334	
	9.579		28			0637		27		
	9.551		29			0610		27		
	9.522		57			0583		54		
5	28.652	9.551		393		1830	0.610		388	
		43.315					2.707			

F.B. 1390 PG. 117

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. Draior Weather clear Inst. No. 50010
Notes by E. Landa Time 9:20 to 10:10 Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-18A To B.M. 17-18
Date 11-25-52
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
	10306	43.315	33	393		0308	2.707	31	388	
	10273		34			0277		31		
	10239		67			0246		62		
6	30.818	10.273		460		0.831	0.277		450	
	9.489		22			0389		22		
	9.467		22			0367		23		
	9.445		44			0344		45		
7	28.401	9.467		504		1.100	0.367		495	
	10610		32			0487		28		Summation of Run
	10578		30			0459		28		B.M. 17-18 To B.M. 17-18A
	10548		62			0431		56		
8	31.736	10.579		566		1.377	0.459		551	
	10667		35			0427		34		Total Backsights = + 95.463
	10632		36			0393		34		Total Foresights = - 6.059
	10596		71			0359		68		diff. in Elev. = + 89.404
9	31.895	10.632		637		1.179	0.393		619	
	11247		50			1907		51		B.M. 17-18
	11197		50			1856		51		Arroyo Ave, 45 Mi. E. of Covinahills Rd.
	11147		100			1805		102		SEE F.B. 1581-125
10	33591	11.197		737		5568	1.856		721	FOR DESCRIPTION
		95463					6.059			

F.B. 1390 PG. 118

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 8:50-9:45 AM Rod No. 55C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-18A To BM 17-19
Date 11-26-52
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
	4151		096		#5	10479		099		BM 17-18A (U.S. 970)
	4055		096			10380		098		SPIKE IN TREE - (KELLOGG UNIT)
	3959		192			10282		197		SEE FB 1381-125
1	12168	4055		192	52°	31141	10380		197	FOR DESCRIPTION
	8932		067			0758		075		⊼ E. LANDA
	8865		067			0683		073		
	8798		134			0610		148		
2	26595	8865		326		20511	0684		345	
	0865		146			8041		146		
	0719		149			7895		145		
	0570		295			7750		291		
3	21154	0718		621		23686	7895		636	
	0831		177			8850		176		
	0654		175			8674		175		
	0479		352			8499		351		
4	1964	0655		973		26023	8674		987	
	1199		184			10656		188		
	1015		184			10468		190		
	0831		368			10278		378		
5	3045	1015		1541		31402	10467		1315	
		15308					38100			

F.B. 1390 PG 112

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 8:50-9:45 AM Rod No. 58C

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From BM 17-184 To BM 17-19
Date 11-26-52
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
	0712	15.308	169	1.321		10749	31.100	191	1.365	
	0543		165			10558		189		
	0378		334			10369		380		
6	1633	0544		1.675		31676	10559		1.745	
	1282		152			9067		138		
	1130		154			8929		138		
	0976		306			8791		276		
7	3388	1.129		1.981		26787	8929		2.021	
	0581		150			8388		146		
	0431		150			8242		142		
	0281		300			8100		288		
8	1293	0431		2.281		24730	8243		2.309	
	0889		149			5579		147		
	0740		148			5432		143		
	0592		297			5289		290		
9	2221	0740		2.578		16300	5433		2.599	
	4960		218			5697		209		
	4742		214			5488		209		
	4528		432			5279		418		
10	14230	4743		3.010		16464	5488		3.017	
		22.895					76.752			

F.B. 1390 PG. 120

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 8:50-9:45 AM Rod No. 5 & C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-18A To B.M. 17-19
Date 11-26-52
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
	6149	22.895	213	3.010		6064	16.752	214	3.017	
	5936		211			5850		212		
	5725		424			5638		426		
11.	17810	5.937		3.434		17552	5.851		3.443	
	5375		215			6749		216		
	5160		211			6533		213		
	4949		426			6320		429		
12	15484	5.161		3.860		19602	6.534		3.872	
	5125		214			6252		214		
	4911		211			6038		213		SUMMATION OF R/W
	4700		425			5825		427		B.M. 17-18A TO B.M. 17-19
13	14736	4.912		4.286		18115	6.038		4.299	
	5258		087			2511		082		TOTAL BACKSIGHTS 55.419
	5171		085			2429		081		" FORE " 100.068
	5086		172			2348		163		DIFF. IN ELEVATION 44.649
14	15515	5.172		4.457		7288	2.429		4.462	
	11451		110			2570		107		B.M. 17-19
	11341		108			2463		104		ARROYO AVE. W OF ENTRANCE KELLOGG
	11233		218			2359		211		SEE F.B. 1381-126
15	34025	11.342		4.665	58°	7392	2.464		4.673	FOR DESCRIPTION
		55.419					100.068			

F.B. 1390 PG. 121

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. 1390 PG. 122										

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 10:30 TO Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-19 To B.M. 17-18A
Date 11-25-52
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
	2198		106		#5	11.080		110		B.M. 17-19 KELLOGG UNIT
	2092		104			10.970		107		ARROYO AVE. W. OF ENTRANCE TO
	1.988		210			10.863		217		SEE F.B. 1381-126
1	6.278	2.093		210	60°	32.913	10.971		217	FOR DESCRIPTION
	2462		084			5208		088		
	2378		085			5120		085		T. E. LANDA
	2293		169			5.035		173		
2	7.133	2.378		379		15.363	5.121		390	
	5.992		214			4860		211		
	5.778		213			4.649		211		
	5.565		427			4438		422		
3	17.335	5.778		806		13947	4.649		812	
	6423		215			5049		213		
	6.208		213			4.836		209		
	5995		428			4.627		422		
4	18.626	6.209		1234		14.512	4.837		1234	
	5939		213			6021		210		
	5.726		212			5.811		211		
	5.514		425			5.600		421		
5	17.179	5.726		1.659		17.432	5.811		1.655	
		22.184					31.389			

F.B. 1390 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 CLEAR 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. 4923
From B.M. 17-19 To B.M. 17-18A
Date 11-25-52
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
	5.655	22.184	213	1.659		4.913	31.389	214	1.655	
	5.442		210			4.699		214		
	5.232		423			4.485		428		
6	16.329	5.443		2.082		14.097	4.699		2.083	
	5.551		147			0.860		149		
	5.404		144			0.711		149		
	5.260		291			0.562		298		
7	16.215	5.405		2.373		2.133	0.711		2.381	
	8.353		142			0.556		155		
	8.211		140			0.401		151		
	8.071		282			0.250		306		
8	24.635	8.212		2.655		1.207	0.402		2.687	
	9.201		145			1.400		146		
	9.056		145			1.254		145		
	8.911		290			1.109		291		
9	27.168	9.056		2.945		3.763	1.254		2.978	
	10.622		190			0.591		169		
	10.432		187			0.422		167		
	10.245		377			0.255		336		
10	31.299	10.433		3.322		1.268	0.423		3.314	
		60.733					38.878			

F.B. 1390 PG. 124

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 C.E. DREIER Weather CLEAR Inst. No. 50010
Notes by C.E. DREIER Time 10:30 TO Rod No. 586

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-19 To B.M. 17-18A
Date 11-25-52
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
	10.231	60.733	188	3.322		0775	38.878	185	3.314	
	10.043		186			0590		182		
	9857		374			0408		367		SUMMATION OF RUN
11	30131	10.044		3.696		1.773	0.591		3.681	B.M. 17-19 TO B.M. 17-18A
	9134		175			1117		178		TOTAL BACKSIGHTS +99.301
	8959		176			0939		176		TOTAL FORESIGHTS -54.650
	8783		351			0763		3~~6~~4		DIFF IN ELEVATION +44.651
12	26876	8.959		4.047		2.819	0.940	3	4.045	
	8290		147			1112		149		
	8143		144			0.963		145		
	7999		291			0.818		294		
13	24432	8.144		4.338		2.893	0.964		4.339	
	0818		076			8.994		066		
	0742		073			8.928		069		
	0.669		149			8859		135		
14	2229	0.743		4.487		26781	8.927		4.474	
	10.778		101			4442		092		B.M. 17-18A (U.S. 870)
	10.677		99			4.350		091		SPK IN LARGE SYCAMORE TREE
	10.578		200			4259		183		SEE F.B. 1381-125
15	32033	10.678		4.687		13051	4.350		4.657	FOR DESCRIPTION
		99.301					54.650			

F.B. 1390 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 E. 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. 1390 PG. 126										

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. 500.10
Notes by S. SHINODA Time 9:55-10:35 AM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 17-19 To BM 17-20
Date 11-26-52
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
	4726		214		#5	7057		210		BM 17-19
	4532		210			6847		209		ARROYO AVE & KELLOG UNIT ENTRANCE
	4322		424			6638		419		SEE F.B. 1381-126
1	13600	4533		424	58°	20542	6847		419	FOR DESCRIPTION
	4179		211			7288		210		
	3968		210			7078		210		⊼ G.E. DREIER
	3758		421			6868		420		
2	11905	3968		845		21234	7078		839	
	4051		211			5552		212		
	3840		212			5340		212		
	3628		423			5128		424		
3	11519	3840		1268		16020	5340		1268	
	5791		210			3971		212		
	5581		211			3759		211		
	5370		421			3548		423		
4	16742	5581		1689		11278	3759		1686	
	6875		212			3046		213		
	6663		211			2833		210		
	6452		423			2623		423		
5	19990	6663		2112		8502	2834		2109	
		24.585					25.858			

F.B. 1390 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 CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:55-10:35 AM Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From BM 17-19 To BM 17-20
Date 11-26-52
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
	7040	24.585	211	2.112		4242	25.858	212	2.109	
	6833		210			4030		211		
	6623		421			3819		423		
6	20500	6.833		2.533		12091	4.030		2.532	
	5857		212			4997		214		
	5645		213			4783		212		
	5432		425			4571		426		
7	16934	5.645		2.958		14351	4.784		2.958	
	5131		211			5680		210		
	4920		211			5470		212		SUMMATION OF RUN
	4709		422			5258		422		BM 17-19 TO BM 17-20
8	14760	4.920		3.380		16408	5.469		3.380	
	3842		210			5873		217		TOTAL BACKSIGHTS +48.157
	3632		210			5656		216		" FORE " −51.140
	3422		420			5440		433		DIFF. IN ELEVATION −2.983
9	10896	3.632		3.800		16969	5.656		3.813	
	2749		207			5552		209		BM 17-20
	2542		206			5343		208		ARROYO AVE & GANESHA BLVD
	2336		413			5135		417		SEE F.B. 1381-127
10	7627	2.542		4.213	62°	16030	5.343		4.230	FOR DESCRIPTION
		48.157					51.140			

F.B. 1390 PG. 128

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 2:35 - 3:15 P.M. Rod No. 546

Name L. A. CO. PRECISE LEVEL NET
Job No. 4925
From B.M. 17-20 To B.M. 17-19
Date 11-26-52
Indexed L. 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
	5401		210		#6	2599		208		B.M. 17-20
	5191		209			2391		208		Arroyo Ave & Ganesha Blvd
	4982		419			2183		416		See F.B. 1381-127
1	15574	5191		419	65	7173	2391		416	for description
	5783		214			3757		216		
	5569		214			3541		213		π G.E. Dreier
	5355		428			3328		429		
2	16707	5569		847		10626	3542		845	
	5692		213			5143		211		
	5479		210			4932		210		
	5269		423			4722		421		
3	16440	5480		1270		14797	4932		1266	
	4963		212			5823		212		
	4751		211			5611		211		
	4540		423			5400		423		
4	14254	4751		1693		16834	5611		1689	
	4050		213			6856		212		
	3837		213			6644		211		
	3624		426			6433		423		
5	11511	3837		2119		19933	6644		2112	
		24828					23120			

F.B. 1390 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
Notes by S. Shinoda
Weather Clear
Time 2:35 - 3:15 PM
Inst. No. 50010
Rod No. 5E6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-20 To B.M. 17-19
Date 11-26-52
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
	2870	2.828	213	2.119		6693	2.120	210	2.112	
	2657		213			6483		210		
	2444		426			6273		420		
6	7971	2.657		2.545		19429	6.483		2.532	
	3910		213			5732		211		
	3697		212			5521		210		
	3485		425			5311		421		
7	11092	3.697		2.970		16564	5.521		2.953	
	5558		215			4050		212		Summation of Run
	5343		211			3838		212		
	5132		426			3626		424		B.M. 17-20 to B.M. 17-19
8	16033	5.344		3.396		11514	3.838		3.377	
	6570		212			3460		210		Total Backsights = + 49.926
	6358		211			3250		210		" Fore " = - 46.938
	6147		423			3040		420		diff. in Elev. = + 2.988
9	19075	6.358		3.819		9750	3.250		3.797	
	7248		207			4942		217		B.M. 17-19
	7041		204			4725		215		Arroyo Blvd. & Kellog Unit Entr.
	6837		411			4510		432		See F.B. 1381-126
10	21126	7.042		4.230		14177	4.726		4.229	for description
		49.926					46.938			

F.B. 1390 PG. 130

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 10:35-11:05 AM Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4929
From BM 17-20 To BM 17-21
Date 11-26-52
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
	4502		210		#5	4859		211		BM 17-20
	4292		210			4648		211		ARROYO AVE & GALLEGHA BLVD
	4082		420			4437		422		SEE F.B. 1381-127
1.	12876	4292		420	62°	13944	4648		422	FOR DESCRIPTION
	4494		209			3812		215		
	4285		208			3597		216		↑ G.E. DREIER
	4077		417			3381		431		
2	12856	4285		837		10790	3597		853	
	4995		214			3583		215		
	4771		212			3368		215		
	4559		426			3153		430		
3	14315	4772		1263		10104	3368		1283	
	4040		210			2420		217		
	3830		210			2203		213		
	3620		420			1990		430		
4	11490	3830		1683		6613	2204		1713	
	4718		213			3660		216		
	4505		213			3444		213		
	4292		426			3231		429		
5.	13515	4505		2109		10335	3445		2142	
		21684					17262			

F.B. 1390 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 G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:35-11:05 AM Rod No. 54C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-20 To B.M. 17-21
Date 11-26-52
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
	5015	21.684	205	2.109		3691	17.264	193	2.122	
	4811		203			3498		195		
	4658		408			3303		388		
6	14584	4862		2.517		10492	3497		2530	
	4719		155			5100		143		BM 17-21
	4564		153			4957		144		ARROYO AVE & HOLT AVE
	4411		308			4813		287		SEE F.B. 1381-128
7	13694	4565		2825	60°	14870	4957		2817	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 17-20 TO B.M. 17-21
										TOTAL BACKSIGHTS + 31.111
										" FORE " − 25716
										DIFF. IN ELEVATION + 5.395
		31.111					25716			

F.B. 1390 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 CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:10-2:35 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-21 To B.M. 17-20
Date 11-26-52
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
	5779		148		#5	5385		148		B.M. 17-21
	5631		148			5237		147		HOLT AVE & ARROYO AVE
	5483		296			5090		295		SEE F.B. 1381-122
1	16893	5631		296	62°	15712	5237		295	FOR DESCRIPTION
	3598		200			4967		200		
	3398		198			4767		199		R G.E. DREIER
	3200		398			4568		399		
2	10196	3399		694		14302	4767		694	
	3841		214			4898		213		
	3627		214			4685		213		
	3413		428			4472		426		
3	10881	3627		1122		14055	4685		1120	
	2898		216			4521		210		
	2682		214			4311		211		
	2468		430			4100		421		
4	8048	2683		1552		12932	4311		1541	
	3570		216			4970		213		
	3354		215			4757		212		
	3139		431			4545		425		
5	10063	3354		1993		14272	4757		1966	
		18.694					23.757			

F.B. 1390 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 Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:10-2:35 PM Rod No. 5 & 6

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From BM 17-21 To BM 17-20
Date 11-26-52
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
	3353	18.694	213	1.983		4043	23.757	211	1.966	
	3140		212			3832		212		
	2928		425			3620		423		
6	9421	3.140		2.408		11495	3.832		2.389	
	4693		211			4336		212		BM 17-20
	4482		212			4124		212		ARROYO AVE &
	4270		423			3912		424		SEE F.B. 1381-128
7.	13445	4.482		2.831	65	12372	4.124		2.813	FOR DESCRIPTION
										SUMMATION OF RUN
										BM 17-21 TO BM 17-20
										TOTAL BACKSIGHTS +26.318
										" FORE " -31.713
										DIFF. IN ELEVATION -5.395
		26.318					31.713			

F.B. 1390 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 CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:05 - 11:50 AM Rod No. 58C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-21 To B.M. 11-87
Date 11-26-52
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
	6806		213		#6	4632		210		B.M. 17-21
	6593		211			4422		211		ARROYO AVE & HOLT AVE
	6382		424			4211		421		SEE F.B. 1381-128
1	19781	6594		424	60°	13265	4422		421	FOR DESCRIPTION
	4849		212			5997		211		
	4637		213			5786		210		TO G.E. DREIER
	4424		425			5576		421		
2	13910	4637		849		17359	5786		842	
	5309		212			5367		214		
	5097		212			5153		211		
	4885		424			4942		425		
3	15291	5097		1273		15462	5154		1267	
	4848		211			5132		204		
	4637		210			4928		205		
	4427		421			4723		409		
4	13912	4637		1694		14783	4928		1676	
	4831		213			6702		217		
	4618		214			6485		217		
	4404		427			6268		434		
5	13853	4618		2121		19455	6485		2110	
		25583					26775			

F.B. 1390 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 G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:05-11:50AM Rod No. 5 & C

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 17-21 To B.M. 11-87
Date 11-26-52
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
	6036	25.583	216	2.12		5918	26.775	219	2.110	
	5820		213			5699		216		
	5607		429			5483		435		
6	17463	5821		2550		17100	5700		2545	
	4290		211			4305		213		
	4079		211			4092		211		
	3868		422			3881		424		
7	12237	4079		2972		12278	4093		2969	
	6015		212			4326		213		
	5803		212			4113		212		SUMMATION OF RUN
	5591		424			3901		425		BM 17-21 TO BM 11-87
8	17409	5803		3396		12340	4113		3394	
	5945		212			4590		213		TOTAL BACKSIGHTS + 53.027
	5733		210			4377		213		" FORE " - 50.205
	5523		422			4164		426		DIFF. IN ELEVATION + 2.822
9	17201	5734		3818		13131	4377		3820	
	6187		180			5323		175		BM 11-87
	6007		179			5148		177		POMONA COVINA RD. & S.P.R.R.
	5828		359			4971		352		SEE F.B. 1376-78
10	18022	6007		4177	CC°	15442	5147		4172	FOR DESCRIPTION
		53.027					50.205			

F.B. 1390 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 CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:35-2:10 PM Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-87 To B.M. 17-21
Date 11-26-52
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
	5263		176		#5	6123		179		B.M. 11-87
	5087		176			5944		177		POMONA COVINA RD & S.P.R.R.
	4911		352			5767		356		SEE F.B. 1376-71
1	15261	5087		352	66°	17834	5945		356	FOR DESCRIPTION
	4859		212			6218		213		
	4647		211			6005		212		⊼ G. E. DREIER
	4436		423			5793		425		
2	13942	4647		775		18016	6005		781	
	4585		213			6271		211		
	4372		211			6060		210		
	4161		424			5850		421		
3	13118	4373		1199		18181	6060		1202	
	4350		211			4338		212		
	4139		211			4126		214		
	3928		422			3912		426		
4	12417	4139		1621		12376	4125		1628	
	5935		216			6055		217		
	5719		216			5838		216		
	5503		432			5622		433		
5	17157	5719		2053		17515	5838		2066	
		23965					27973			

F.B. 1380 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 CLEAR Inst. No. 50010
Notes by S. SHIMODA Time 1:35-2:10 PM Rod No. 5 & C

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 11-87 To B.M. 17-21
Date 11-26-52
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
	6760	23.965	218	2.053		4891	27.973	212	2.061	
	6542		220			4679		213		
	6322		438			4466		425		
6.	19624	6.541		2.491		14036	4.679		2.486	
	5388		205			5102		211		
	5183		204			4891		211		
	4979		409			4680		422		
7	15550	5.183		2.900		14673	4.891		2.908	
	5112		213			5052		212		
	4899		211			4840		210		SUMMATION OF RUN
	4688		424			4630		422		B.M. 11-87 TO B.M. 17-21
8	14699	4.900		3.324		14522	4.841		3.330	
	5950		211			4800		212		TOTAL BACKSIGHTS + 50.299
	5739		211			4588		211		" FORE " − 53.121
	5528		422			4377		423		DIFF. IN ELEVATION − 2.822
9	17217	5.739		3.726		13765	4.588		3.753	
	4182		211			6360		211		B.M. 17-21
	3971		211			6149		211		HOLT AVE & ARROYO AVE
	3760		422			5938		422		SEE F.B. 1381-121
10	11913	3.971		4.168		18447	6.149		4.175	FOR DESCRIPTION
		50.299					53.121			

F.B. 1390 PG. 138

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 11:50-12:00 Rod No. 5&6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-87 To BM 11-88
Date 11-26-52
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
	4056		209		#6	7617		208		BM 11-87
	3847		208			7409		208		POMONA COVINA ROAD PER
	3639		417			7201		416		SEE F.B. 1376-78
1	11542	3.847		417	66°	22227	7.409		416	FOR DESCRIPTION
	2978		216			6812		211		
	2762		212			6601		209		BY G.E. DREIER
	2550		428			6392		420		
2	8290	2.763		845		19805	6.602		836	
	3713		132			5879		129		BM 11-88 (Claremont A-6B)
	3581		131			5750		129		POMONA COVINA ROAD
	3450		263			5621		258		SEE F.B. 1376-79
3	10744	3.58		1108		17250	5.750		1094	FOR DESCRIPTION
	3869		132			7290		125		
	3737		131			7165		125		SUMMATION OF RUN
	3606		263			7040		250		BM 11-87 TO BM 11-88
4	11212	3.737		1371	66°	21495	7.165		1344	
										TOTAL BACKSIGHTS +13.928
										" FORE " -26.926
										DIFF IN ELEVATION -12.998
		13.928					26.926			

F.B. 1390 p. 138

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 1:20 - 1:35 P.M. Rod No. 5 & 6

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-88 To B.M. 11-87
Date 11-26-52
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
	7276		127		#5	3847		131		B.M. 11-88 (Claremont 4-68)
	7149		127			3716		130		Pomona Covina Rd.
	7022		254			3586		261		SEE F.B. 1376-79
1	21447	7.149		254	66°	11149	3716		.261	FOR DESCRIPTION
	5855		129			3691		134		
	5724		128			3557		132		⊼ G.E. DREIER
	5596		257			3425		266		
2	17173	5.724		511		10673	3.558		527	
	6728		212			2887		215		SUMMATION OF RUN
	6516		211			2672		212		B.M. 11-88 TO B.M. 11-87
	6305		423			2460		427		
3	19549	6.516		934		8019	2.673		.954	
	7590		210			4031		210		TOTAL BACKSIGHTS + 26.770
	7380		208			3821		210		" FORE - - 13.768
	7172		418			3611		420		DIFF. IN ELEVATION + 13.002
4	22142	7.381		1352	66°	11463	3.821		.1374	
										B.M. 11-87
										Pomona & Covina Rd. S.P.R.R.
										SEE F.B. 1376-78
										FOR DESCRIPTION
		26.770					13.768			

F.B. 1390 PG. 140

F. B. 1390 PG. 141

NOTES RED. _____ JOB NO. 0301.00 SURVEY OF GEOD. CONT.
DATE _____ SURVEY BY W. D. BAY
NOTES CHKD. _____ NOTES BY BAY DATE 3-10-60
DATE _____ INDEXED K. C. Johnson DATE 3-21-60

DESCRIPTION

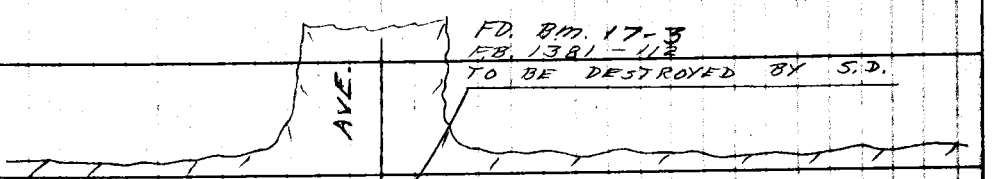
B.M. 17-3A

Street • AT THE S.E. COR. OF CYPRESS ~~AVE~~ AND CITRUS AVE., 32.0 E. OF ℄ OF CITRUS St. AVE. AND 51.9 S. OF ℄ OF CYPRESS ~~AVE.~~ IN THE PARKWAY, A STD. 2" BRASS B.M. CAP IN CONC. DN. 9" IN A WELL WITH A STD. COVER AND STAMPED "B.M. 17-3A, 1960, RE 5869".

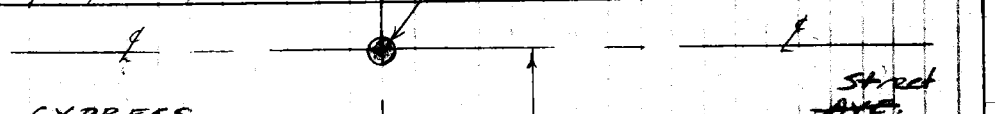
SEE NEXT PG. FOR TRANSFER OF ELEV.

ADJ. ELEV.

3RD RUN



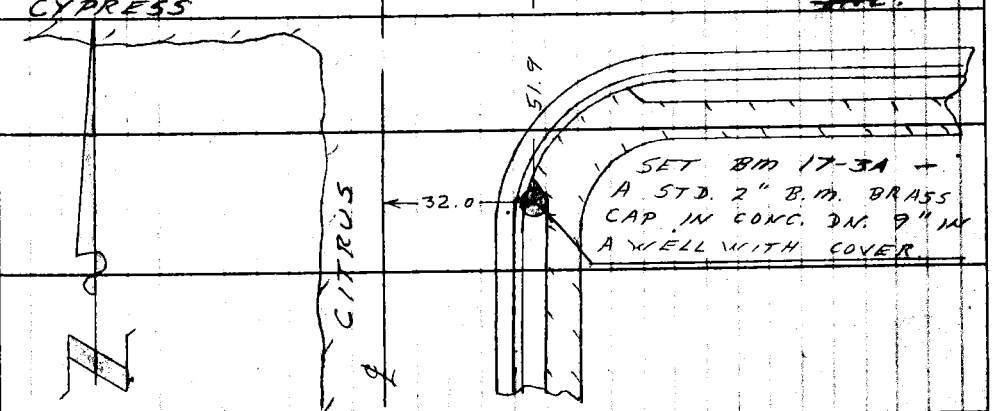
2ND RUN



DIFF.

1ST RUN

B.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

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

765420 353 3-51

769420 353 3-51

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

JOB NO. 0301.00 SURVEY OF GEOD. CONT.
SURVEY BY W. D. BAY DATE 3-11-60
NOTES BY BAY DATE
INDEXED C. JOHNSON DATE
NOTES RED. DATE
NOTES CHKD. HJA DATE 3-4-60

F.B. 1390 PG. 142

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
B.M. 17-3	564.188				(1952) 564.188	B.M. 17-3 EL. 564.188 (1952) AT ℄ INT. OF CITRUS AVE. & CYPRESS AVE. A STD. 2" RD. DEPT. BRASS DISK STAMPED "L.A. CO. RD. 1950" DN. 6" IN A WELL WITH RD. DEPT. COVER. F.B. 1381-112
+	5.396		5.295			
Π	569.584	-0.288	-0.288			
−	5.684		5.583			
	563.900					
B.M. 17-3A	563.900				563.900	B.M. 17-3A SEE PG. 141
+	5.583		5.717			
Π	569.483	+1.752	+1.750			
−	3.831		3.967			
	565.652					
T.P.	565.652				565.650	
+	3.968		3.856			
Π	569.620	-1.462	-1.462			
−	5.430		5.318			
	564.190					
B.M. 17-3	564.190				564.188	B.M. 17-3 (SEE ABOVE)

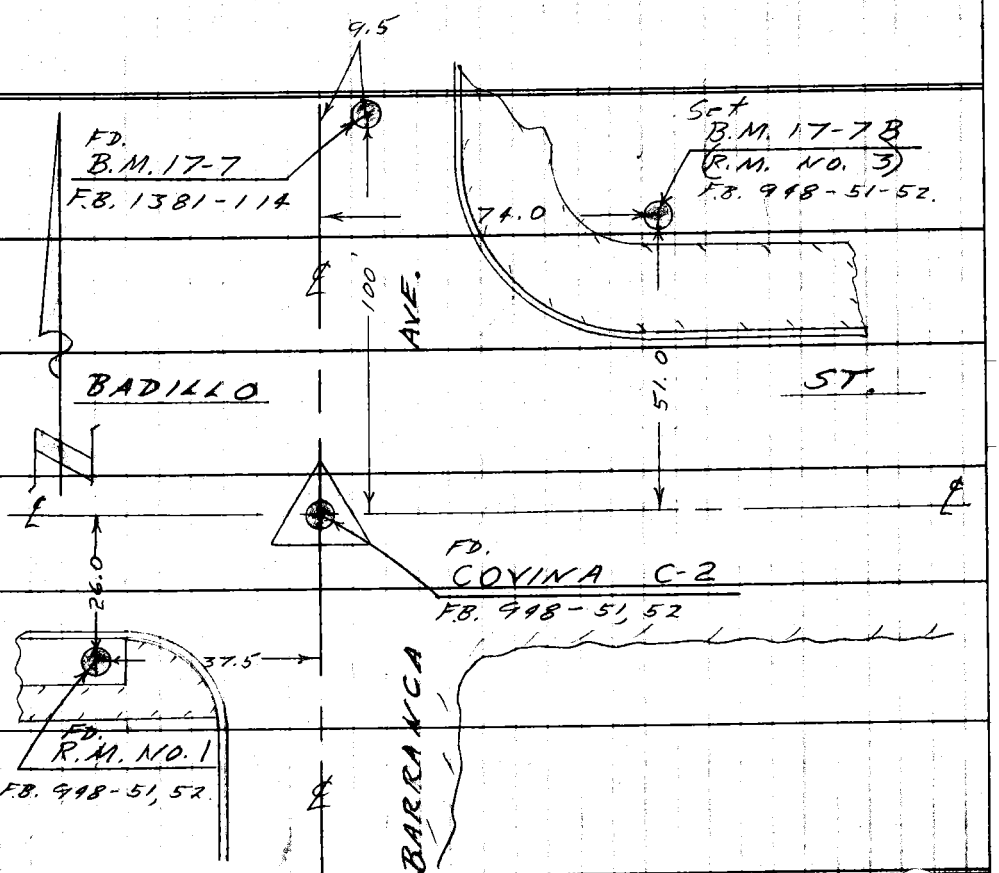
F.B. 1390 PG. 143

NOTES RED. _____ JOB NO. 0301.00 SURVEY OF GEOD. CONT.
DATE _____ SURVEY BY W. D. BAY
NOTES CHKD. _____ NOTES BY BAY DATE 3-11-'60
DATE _____ INDEXED L. C. Johnson DATE _____

DESCRIPTION

B.M. 17-7B
AT THE N.E. COR. OF BADILLO ST. AND BARRANCA AVE. 51.0 N. OF ℄. OF BADILLO ST. & 74.0 E. OF ℄ OF BARRANCA AVE. DN. 9" IN A WELL WITH A STD. CO. (FLUSH IN 1971 NO COVER)
ENGR. COVER. A STD. 2" BRASS B.M. CAP IN CONC. STAMPED "B.M. 17-7B 1960 R.E. 5869".

ADJ. ELEV.
3RD RUN
2ND RUN
DIFF.
1ST RUN
B.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

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

766420 383 8-49

769420 353 8-49

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

NOTES RED. DATE
NOTES CHKD. H.J.A. DATE 3-24-60

JOB NO. 0301.00 SURVEY OF GEOD. CONT.
SURVEY BY W. J. BAY DATE 3-11-60
NOTES BY BAY DATE
INDEXED A. C. JOHNSON DATE

F.B. 1390 PG. 144

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
B.M.					(1952)	
17-7	561.751				561.751	B.M. 17-7 EL. 561.751 (1952)
+	4.914		4.813			NEAR THE INTR. OF BADILLO
Π	566.665	-1.603	-1.605			ST. & BARRANCA AVE. 100' N.
−	6.517		6.418			OF ℄ OF BADILLO ST. & 9.5' E.
	560.148					OF ℄ OF BARRANCA AVE. A
						STD. 2" BRASS BM. CAP IN
						CONC. STAMPED "BM 17-7
						1952, RE 63" DN. 9" IN A
						WELL WITH STD. C.S. COVER.
						F.B. 1381-114
BM. 17-7B	560.148				560.147	BM. 17-7B (SEE PG. 143)
+	6.418		6.548			
Π	566.566	+1.134	+1.133			(BM 17-7C)
−	5.284		5.415			COV. C-2 — AT ℄ INT. BADILLO
COV. C-2	561.282				561.280	ST. & BARRANCA AVE. A STD.
+	5.182		5.238			4" TRAV. CAP IN CONC. STAMPED
Π	566.464	-0.473	-0.475			"COVINA C-2, RESET 1957, RE.
−	5.655		5.713			5869" DN. 9" IN WELL & COVER. FLASH 7-8-75 GER
	560.809					(BM-17D)
COV. C-2 R.M. NO. 1	560.809				560.806	COV. C-2, R.M. NO. 1 — 26.0 S. of
+	5.713		5.563			℄ BADILLO ST. + 37.5 W. of ℄
Π	566.522	+0.945	+0.945			BARRANCA AVE. IN PARKWAY.
−	4.768		4.618			A STD. 4" R.M. CAP IN CONC.
	561.754					STAMPED "COVINA C-2 1957
						R.M. NO. 1, R.E. 5869.") DN. 15".
BM 17-7	561.754				561.751	BM. 17-7 (SEE ABOVE)

Notes Ck'd by	Survey of L.A. Co. Precise Level Net
Map No.	JN 0301.02 Tape Std °F
Office Work	Surveyed by E. E. Brooks
Checked	Notes E. E. Brooks Date Aug 63
Date	Indexed [illegible]

F. B. 1390 Pg. 161

J.N. 0301.02

L. A. Co. PRECISE LEVEL NET

LINE NO 39

Route

E. on Cypress St. from Irwindale Ave. To Valley Center Ave. N. on Valley Center Ave to Gladstone St.

F.E. Brook
K.M. Kopp
J.M. Maldonado
C.G. Valdez
G.E. Cook

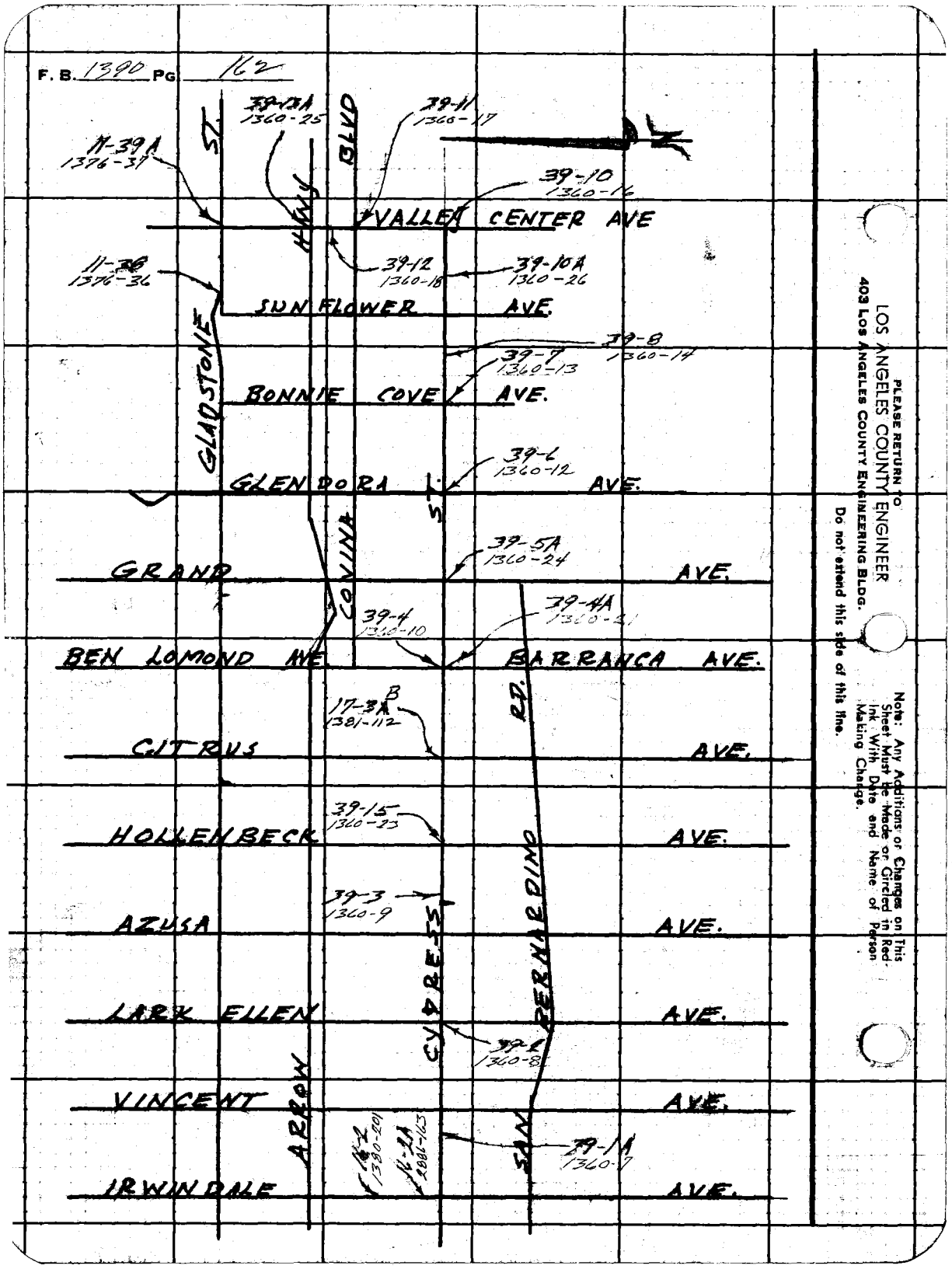
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

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

76F309S CE #310 6-62

F. B. 1390 PG 162



LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.

PLEASE RETURN TO

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76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather clear Inst. No. 15066
Notes by F. E. Brooks Time 8:45 - 8:55 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 16-2 To BM 16-2A
Date 9 Aug. 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	4.822 4.671 4.520 14.013	4.6710	.151 .151 .302	.302	70°	5.963 5.808 5.651 17.422	5.8073	.155 .157 .312	.312	BM 16-2 Irwindale Ave 0.5 mi. S. of Arrow Hwy. See F.B. 1380-201
	4.860 4.707 4.550 14.117	4.7057	.153 .157 .310	.612		6.360 6.208 6.057 18.625	6.2083	.152 .151 .303	.615	⊼ Lapp Summation of Run From B.M. 16-2 To B.M. 16-2A
3	4.782 4.636 4.489 13.907	4.6357	.146 .147 .293	.905		4.626 4.477 4.329 13.432	4.4773	.149 .148 .297	.912	Total Backsights = + 21.6417 Total Foresights = − 20.6096 Diff. Elev. = + 1.0321
4	7.818 7.630 7.440 22.888	7.6293	.188 .190 .378	1.283	74°	4.310 4.118 3.922 12.350	4.1167	.192 .196 .388	1.300	BM 16-2A Irwindale Ave and Big Dalton Wash See F.B. 2886-163
										Backsight stadia = 1.283 Foresight Stadia = 1.300 Total Stadia = 2.583 = .16 mi.
	64.925 21.6417	21.6417				61.829 20.6097	20.6096			

F.B. 1341 P.G. 163

76PS26-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by E. E. Brooks Time 3:00 – 3:15 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0701.02
From BM 16-2A To BM 16-2
Date 14 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	3.952 3.774 3.599		.178 .175 .353		94°	6.965 6.805 6.643		.160 .162 .322		BM 16-2A Irwindale Ave and Big Dalton Wash See F.B. 2886-163
	11.325	3.7750		.353		20.413	6.3043		.322	
2	4.411 4.237 4.060		.174 .177 .351			4.929 4.763 4.597		.166 .166 .332		Summation of Run From B.M. 16 – 2A To B.M. 16 – 2 π Kapp
	12.708	4.2360		.704		14.289	4.4630		.654	
3	6.101 5.958 5.816		.143 .142 .285			4.656 4.490 4.328		.166 .162 .328		Total Backsights = + 19.7443 Total Foresights = – 20.7759 Diff. Elev. = – 1.0316
	17.875	5.9583		.989		13.474	4.4913		.982	
4	5.933 5.774 5.618		.159 .156 .315		94°	4.869 4.717 4.566		.152 .151 .303		BM 16-2 Irwindale Ave 0.5 mi. S. of Arrow Hwy See F.B. 2886-163
	17.325	5.7750		1.304		14.152	4.7173		1.285	
										Backsight stadia = 1304 Foresight Stadia = 1285 Total Stadia = 2589 = 0.16 mi

F.B. 1390 P.G. 164

59.233 19.7443
19.7443

62.329 20.7759
20.7760

76P526-CE 379—10-57

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Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 9:00 – 9:25 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 16-2A To BM 39-1A
Date 9 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	4.488 4.339 4.191		.149 .148 .297			7.060 6.910 6.760		.150 .150 .300		BM 16-2A Irwindale Ave and Big Dalton Wash see F.B. 2886-163
	13.018	4.3393		.297	74°	20.730	6.9100		.300	
	3.560 3.428 3.292		.132 .136 .268			7.558 7.410 7.261		.148 .149 .297		T Kopp
	10.280	3.4267		.525		22.229	7.4097		.597	
3	4.242 4.100 3.958		.142 .142 .284			4.799 4.649 4.499		.150 .150 .300		
	12.300	4.1000		.849		13.947	4.6490		.897	
4	6.027 5.861 5.692		.166 .169 .335			4.648 4.501 4.358		.147 .143 .290		
	17.580	5.8600		1.184		13.507	4.5023		1.187	
5	5.177 5.031 4.888		.146 .143 .289			3.849 3.685 3.522		.164 .163 .327		
	15.096	5.0320		1.473		11.056	3.6853		1.514	
	68.274 22.7580	22.7580				81.469 27.1563	27.1563			

F.B. 2886 P.G. 165

76P526-CE 379—10-57

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Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by E. E. Brooks Time 9:00 - 9:25 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 6301.02
From BM 16-2A To BM 39-1A
Date 9 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6.274					4.469				
6	5.628	22.7580	.167	1.473		4.490	22.1563	.157	1.514	
	5.461		.163			4.333		.153		
	5.298		.330			4.180		.310		
	16.387	5.4623		1.803		13.003	4.3343		1.324	
7	5.803		.145			4.498		.165		Summation of Run
	5.658		.149			4.333		.163		From B.M. 16-2A
	5.509		.294			4.170		.323		To B.M. 39-1A
	16.970	5.6567		2.097		13.001	4.3337		2.152	
8	6.172		.144			5.132		.124		BM 39-1A
	6.028		.147			5.008		.128		Cypress St. 0.25 mi. W of
	5.881		.291			4.880		.252		Vincent Ave
	18.081	6.0270		2.382	80°	15.020	5.0067		2.404	see FB. 1360-7
F.B. 1392 P.G. 166										Total Backsights = + 39.9040
										Total Foresights = − 40.8310
										Diff. Elev. = − 0.9270
										Backsight stadia = 2.398
										Foresight Stadia = 2.404
										Total Stadia = 4.792
										= .30 mi.
	119.712	39.9040				122.443	40.8310			
	39.9040					40.8310				

76P526-CE 379—10-57

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Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 2:35 - 3:00 Rod No. 19520

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 39-1A To BM 5-2A
Date 14 Aug 1967
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	4.979		.139			6.093		.133		BM 39-1A
	4.840		.139			5.960		.132		Cypress St. 0.25 mi W. of
	4.701		.278			5.828		.265		Vincent Ave
	14.520	4.8400		.278	96°	17.881	5.9603		.265	See F.B. 1360-?
	4.610		.168			5.990		.149		
	4.442		.165			5.841		.151		T Kapp
	4.277		.333			5.690		.300		
	13.329	4.4430		.611		17.521	5.8403		.565	
3	4.621		.163			5.658		.160		
	4.458		.167			5.498		.160		
	4.291		.330			5.338		.320		
	13.370	4.4567		.941		11.494	5.4980		.885	
4	4.668		.156			5.968		.160		
	4.512		.152			5.808		.160		
	4.360		.308			5.648		.320		
	13.540	4.5133		1.249		17.424	5.8080		1.205	
5	4.812		.159			5.375		.153		
	4.653		.160			5.222		.152		
	4.493		.319			5.070		.305		
	13.958	4.6527		1.568		15.667	5.2223		1.510	
	68.717	22.9057				84.987	28.3289			
	22.9057					28.3290				

F.B. 1360 P.G. 167

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No 15066
Notes by F. E. Brooks Time 2:35-3:00 Rod No 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 39-1A To BM 16-2A
Date 14 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	68.717					64.907				
6	4.351	22.9057	.137	1.568		2.681	28.3289	.153	1.510	
	4.214		.134			2.528		.157		
	4.080		.271			2.371		.310		
	12.645	4.2150		1.839		7.580	2.5267		1.820	
7	5.549		.149			3.438		.137		Summation of Run
	5.400		.148			3.301		.133		From B.M. 39-1A
	5.252		.297			3.169		.270		To B.M. 16-2A
	16.201	5.4003		2.136		9.907	3.3023		2.090	
8	7.880		.159			5.309		.150		BM 16-2A
	7.721		.161			5.159		.150		Irwindale Ave and Big
	7.560		.320			5.009		.300		Dalton Wash
	23.161	7.7203		2.456	94°	15.477	5.1590		2.390	See F.B. 2886-163
										Total Backsights = + 40.2413
										Total Foresights = − 39.3169
										Diff. Elev. = + 0.9244
										Backsight stadia = 2.456
										Foresight Stadia = 2.390
										Total Stadia = 4.846
										= .31 mi.
	120.724	40.2413				117.951	39.3169			
	40.2413					39.3170				

F.B. 1390 P.G. 168

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Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 9:30 – 10:30 Rod No. 19-20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 39-1A To BM 39-2
Date 9 Aug. 196
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	6.882		.145			5.087		.147		BM 39-1A
	6.737		.147			4.940		.144		Cypress St. 0.25 mi. W. of
	6.590		.292			4.796		.291		Vincent Ave
	20.209	6.736		.292	80°	14.823	4.9410		.291	See F.B. 1360-9
2	6.579		.154			5.208		.160		
	6.425		.155			5.048		.160		T Kapp
	6.270		.309			4.888		.320		
	19.274	6.4247		.601		15.144	5.0480		.611	
3	6.369		.146			5.099		.147		
	6.223		.142			4.952		.144		
	6.081		.288			4.808		.291		
	18.673	6.2243		.889		14.859	4.9530		.902	
4	6.375		.159			4.930		.160		
	6.216		.157			4.770		.160		
	6.059		.316			4.610		.320		
	18.650	6.2167		1.205		14.310	4.7700		1.222	
5	6.229		.131			4.920		.143		
	6.098		.130			4.777		.145		
	5.968		.261			4.632		.288		
	18.295	6.0983		1.466		14.329	4.7763		1.510	
	95.101	31.7003				77.465	24.4883			
	31.7003					24.4883				

F.B. 1390 P.G. 66

76P526-CE 379—10-57

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Chief of Party: F. E. Brooks Weather: Clear Inst. No. 15066
Notes by: F. E. Brooks Time: 9:30 – 10:30 Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM 39-1A To: BM 39-2
Date: 9 Aug 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	95.901					93.465				
6	6.301	31.900	.154	1.466		4.948	3.4663	.159	1.510	
	6.147		.157			4.787		.160		
	5.990		.311			4.629		.319		
	18.438	6.1460		1.777		14.366	4.7887		1.829	
7	6.078		.158			4.690		.138		
	5.920		.156			4.542		.140		
	5.764		.314			4.402		.278		
	17.762	5.9207		2.091		13.634	4.5413		2.107	
8	6.280		.140			4.428		.140		
	6.140		.140			4.588		.140		
	6.000		.280			4.448		.280		
	18.420	6.1400		2.371		13.464	4.5880		2.387	
9	6.426		.144			4.577		.147		
	6.282		.144			4.430		.143		
	6.138		.288			4.287		.290		
	18.846	6.2820		2.659		13.294	4.4313		2.677	
10	6.569		.159			4.561		.154		
	6.410		.157			4.407		.158		
	6.253		.316			4.249		.312		
	19.232	6.4107		2.975		13.217	4.4057		2.989	
	87.799	62.2997				141.790	47.2433			
	62.5997					47.2433				

F.B. 1390 P.G. 170

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by E. E. Brooks Time 9:30-10:30 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 39-1A To BM 39-2
Date 9 Aug 1967
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	17.799	5.997				14.730				
11	6.110	~~11.600~~	.142	2.975		4.600	4.2533	.144	2.989	
	5.968		.146			4.456		.146		
	5.822		.288			4.310		.290		
	17.900	5.9667		3.263		13.366	4.4553		3.279	
	6.561		.149			4.649		.149		
	6.412		.150			4.500		.149		
	6.262		.299			4.351		.298		
	19.235	6.4117		3.562		13.500	4.5000		3.577	
	6.519		.147			4.149		.151		
	6.372		.143			3.998		.149		
13	6.229		.290			3.849		.300		
	19.120	6.3733		3.852		11.996	3.9987		3.877	
	6.767		.147			6.050		.143		
	6.620		.147			4.907		.147		
14	6.474		.293			4.760		.290		
	19.361	6.6203		4.145		14.717	4.9057		4.167	
	6.412		.136			4.869		.139		
	6.276		.139			4.732		.133		
15	6.141		.275			4.599		.270		
	18.837	6.2790		4.420		14.200	4.7333		4.437	
	282.752	94.2507	94.2507			209.509	69.8363	69.8363		

F.B. 1221 P.G. 171

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 9:30 - 10:30 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. E201.02
From BM 39-1A To BM 39-2
Date 9 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	282.752					209.509				
16	6.509	94.25 ft	.147	4.420		4.673	99.8363	.144	4.437	
	6.362		.143			4.529		.148		
	6.219		.290			4.381		.292		
	19.090	6.3633		4.710		13.583	4.5277		4.729	
17	6.519		.141			4.671		.138		
	6.378		.145			4.533		.136		
	6.233		.286			4.397		.274		
	19.130	6.3767		4.996		13.601	4.5337		5.003	
18	7.129		.148			5.118		.146		
	6.981		.145			4.972		.149		
	6.836		.293			4.823		.295		
	20.946	6.9820		5.289		14.913	4.9710		5.298	
19	6.989		.147			4.829		.146		
	6.842		.143			4.683		.142		
	6.699		.290			4.541		.288		
	20.530	6.8433		5.579		14.053	4.6843		5.586	
20	6.349		.130			4.840		.130		
	6.219		.130			4.710		.130		
	6.089		.260			4.580		.260		
	18.657	6.2190		5.839		14.130	4.7100		5.846	
	381.105	127.0350				279.789	93.2630			
	127.0350					93.2630				

F.B. 1394 P.G. 172

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 9:30 - 10:30 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.0
From BM 39-1A To BM 39-2
Date 5 Aug 1963
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	381.105					279.789				
	6.188	127.035	.094	5.839		4.845	96.2630	.094	5.846	BM 39-2
	6.094		.090			4.751		.094		Cypress St. and Park
21	6.004		.184			4.657		.188		Ellen Ave
	18.286	6.0953		6.023	90°	14.253	4.7510		6.034	See F.B. 1360-8
										Summation of Run From B.M. 39-1A To B.M. 39-2
										Total Backsights = + 133.130 3 Total Foresights = − 98.0140 Diff. Elev. = +35.116 3
										Backsight stadia = 6.02 Foresight Stadia = 6.034 Total Stadia = 12.054 = .76 mi.
	399.391 133.1303	133.130 3				294.042 98.0140	98.0140			

F.B. 1296 P.G. 173

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks — Weather: Clear — Inst. No.: 25066
Notes by: F. E. Brooks — Time: 1:25 - 2:20 — Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 39-2 To: BM 39-14
Date: 14 Aug. 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	4.888		.096			6.668		.114		BM 39-2
	4.792		.094			5.554		.113		Cypress St. and Lark
	4.698		.190			5.441		.227		Ellen Ave
	14.378	4.7927		.190	98°	16.663	5.5543		.227	See FB. 1360-8
2	4.051		.146			6.080		.139		
	3.905		.145			5.941		.140		T Kapp
	3.760		.291			5.801		.279		
	11.716	3.9053		.481		17.822	5.9407		.506	
3	4.730		.162			6.773		.164		
	4.568		.159			6.609		.161		
	4.409		.321			6.448		.325		
	13.707	4.5690		.802		19.830	6.6100		.831	
4	4.818		.165			6.497		.146		
	4.653		.165			6.351		.145		
	4.488		.330			6.206		.291		
	13.959	4.6530		1.132		19.054	6.3513		1.122	
5	4.280		.138			6.132		.142		
	4.142		.136			5.990		.140		
	4.006		.274			5.850		.282		
	12.428	4.1427		1.406		17.972	5.9907		1.404	
	66.188	22.0627				91.341	30.4470			
	22.0627					30.4470				

FB. 1390 PG. 174

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks
Notes by: E. E. Brooks
Weather: Clear
Time: 1:25 – 2:30
Inst. No.: 15066
Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 39-21 To: BM 39-1A
Date: 14 Aug 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6.182					6.341				
6	4.189	22.0627	.148	1.406		6.053	30.4470	.144	1.404	
	4.041		.145			5.909		.148		
	3.896		.293			5.761		.292		
	12.126	4.0420		1.699		17.723	5.9077		1.696	
7	4.373		.134			6.289		.160		
	4.239		.132			6.129		.160		
	4.107		.266			5.969		.320		
	12.719	4.2397		1.965		18.387	6.1290		2.016	
8	4.875		.155			6.741		.149		
	4.720		.152			6.592		.145		
	4.568		.307			6.447		.294		
	14.163	4.7210		2.272		19.780	6.5933		2.310	
9	4.170		.149			6.013		.144		
	4.021		.150			5.869		.148		
	3.871		.299			5.721		.292		
	12.062	4.0207		2.571		17.603	5.8677		2.602	
10	4.390		.148			6.579		.150		
	4.242		.149			6.429		.149		
	4.093		.297			6.280		.299		
	12.725	4.2417		2.868		19.288	6.4293		2.901	
	129.983	43.3276				194.122	61.3740			
	43.3247					61.3740				

F.B. 220 P.G. 175

76P526-CE 379—10-57

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Clear Inst. No. 15066
Notes by: E. E. Brooks Time: 1:25 - 2:30 Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM 39-2 To: BM 39-1A
Date: 14 Aug 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	188.923					184.122				
11	4.412	4.3278	.144	2.868		5.660	5.5160	.143	2.901	
	4.268		.147			5.517		.146		
	4.121		.291			5.371		.289		
	12.801	4.2670		3.159		16.548			3.190	
12	4.082		.154			6.079		.157		
	3.928		.156			5.922		.155		
	3.772		.310			5.767		.312		
	11.782	3.9273		3.469		17.768	5.9227		3.502	
13	4.118		.148			5.984		.144		
	3.970		.145			5.840		.141		
	3.825		.293			5.699		.285		
	11.913	3.9710		3.762		17.523	5.8410		3.797	
14	4.342		.139			5.752		.140		
	4.203		.138			5.612		.140		
	4.065		.277			5.472		.280		
	12.610	4.2033		4.039		16.836	5.6120		4.067	
15	4.798		.154			7.252		.143		
	4.644		.152			7.109		.147		
	4.492		.306			6.962		.290		
	13.934	4.6447		4.345		21.323	7.1077		4.357	
	193.027	4.3411				274.120	6.3134			
	64.3410					91.3733				

F.B. 1390 P.G. 176

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 25066
Notes by F. E. Brooks Time 1:25-2:30 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 39-2 To BM 39-14
Date 14 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings 189.023	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 174.120	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
16	5.431	6.3411	.159	4.345		6.879	6.3734	.157	4.357	
	5.272		.160			6.722		.153		
	5.112		.319			6.569		.310		
	15.815	5.2717		4.664		20.170	6.7233		4.667	
	5.502		.144			6.738		.130		
	5.358		.143			6.608		.131		
	5.215		.287			6.477		.261		
	16.075	5.3583		4.951		19.823	6.6077		4.928	
18	5.452		.160			6.909		.160		
	5.292		.156			6.749		.159		
	5.136		.316			6.590		.319		
	15.880	5.2933		5.267		20.248	6.7493		5.247	
19	5.548		.150			6.837		.145		
	5.398		.146			6.692		.143		
	5.252		.296			6.549		.288		
	16.198	5.3993		5.563		20.078	6.6927		5.535	
20	5.493		.158			6.898		.157		
	5.335		.158			6.741		.153		
	5.177		.316			6.588		.310		
	16.005	5.3350		5.879		20.227	6.7423		5.845	
	272.991	90.9967				294.666	124.8667			
	90.9967					124.8667				

F.B. 320 P.G. 177

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 1:25 - 2:30 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 39-2 To BM 39-1A
Date 14 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	272.996					374.666				
	4.945	90.9987	.145	5.879		6.158	24.8887	.146	5.845	BM 39-1A
	4.800		.144			6.012		.144		Cypress St. 0.25 mi
21	4.656		.289			5.868		.290		W. of Vincent Ave
	14.401	4.8003		6.168	96°	18.038	6.0127		6.135	See F.B. 1360-7
										Summation of Run From B.M. 39-2 To B.M. 39-1A
										Total Backsights = + 95.7990 Total Foresights = − 130.9014 Diff. Elev. = − 35.1024
										Backsight stadia = 6.168 Foresight Stadia = 6.135 Total Stadia = 12.303 = .78 mi.
	287.397 95.7990	95.7990				392.704 130.9013	130.9014			

F.B. 1390 P.G. 178

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 75066
Notes by F. E. Brooks Time 10:40 - 1:15 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 39-2 To BM 39-3
Date 5 Aug. 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6.409		.140			3.876		.146		BM 39-2
	6.269		.140			3.730		.142		Cypress St. and Lake Ellen
1	6.129		.280			3.588		.288		Ave
	18.807	6.2690		.280	90°	11.194	3.7313		.298	See FB. 1360-B
	6.432		.140			6.604		.141		
	6.292		.137			5.463		.140		T Kapp
2	6.155		.277			5.323		.281		
	18.879	6.2930		.557		16.390	5.4633		.569	
	4.514		.145			6.569		.141		
	4.369		.146			6.428		.139		
3	4.223		.291			6.289		.280		
	13.106	4.3687		.848		19.286	6.4287		.849	
	6.089		.162			6.043		.156		
	4.927		.158			4.887		.158		
4	4.769		.320			4.729		.314		
	14.785	4.9283		1.168		14.659	4.8863		1.163	
	6.628		.139			3.762		.142		
	6.491		.133			3.620		.142		
5	6.358		.272			3.478		.284		
	19.477	6.4923		1.438		10.860	3.6200		1.447	
	65.054	28.3513				58.389	24.1296			
	28.3513					24.1297				

F.B. 1360 P.G. 174

76P526-CE 379—10-57

PLEASE RETURN TO
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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 10:40 – 1:15 Rod No. 19-20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM39-2 To BM39-3
Date 5 Aug 1963
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	85.054					72.389				
6	8.231	28.3513	.146	1.438		4.611	24.1296	.141	1.447	
	8.085		.146			4.470		.140		
	7.939		.292			4.330		.280		
	24.255	8.0850		1.730		13.411	4.4703		1.727	
7	8.189		.146			4.759		.145		
	8.043		.142			4.614		.143		
	7.901		.288			4.471		.288		
	24.133	8.0443		2.018		13.844	4.6147		2.015	
8	8.071		.143			5.132		.149		
	7.928		.147			4.983		.146		
	7.781		.290			4.837		.295		
	23.780	7.9267		2.308		14.952	4.9840		2.310	
9	7.673		.148			5.630		.145		
	7.525		.152			5.485		.156		
	7.373		.300			5.329		.301		
	22.571	7.5237		2.608		16.444	5.4813		2.611	
10	7.269		.146			5.389		.147		
	7.123		.143			5.242		.143		
	6.980		.289			5.099		.290		
	21.372	7.1240		2.897		15.730	5.2433		2.901	
	201.165	67.0550				146.770	48.9232			
	67.0550					48.9233				

F.B. 1390 P.G. 180

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 10:40 - 1:15 Rod No. 19-20

Name LA. Co. Precise Level Net
Job No. 0301.02
From BM 39-2 To BM 39-3
Date 9 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	201.165					146.970				
11	7.491	67.0550	.142	2.397		5.451	48.9232	.136	2.901	
	7.349		.141			5.315		.135		
	7.208		.283			5.180		.271		
	22.048	73493		3.180		15.946	5.3153		3.172	
	7.453		.144			5.289		.148		
	7.309		.148			5.141		.146		
	7.161		.292			4.995		.294		
	21.923	7.3077		3.472		15.425	5.1417		3.466	
	7.530		.140			5.332		.141		
13	7.390		.138			5.191		.142		
	7.252		.278			5.049		.283		
	22.172	7.3907		3.750		15.572	5.1907		3.749	
	8.530		.190			4.990		.192		
14	8.340		.190			4.798		.190		
	8.150		.380			4.608		.382		
	25.020	8.3400		4.130		14.396	4.7987		4.131	
	6.150		.138			4.372		.140		1 hr. for lunch
15	6.012		.139			4.232		.142		
	5.873		.277			4.094		.282		
	18.035	6.0117		4.407	90°	12.706	4.2353		4.413	
	310.363	103.4544				220.815	73.6049			
	103.4543					73.6050				

F.B. 1390 PG. 151

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by E. E. Brooks Time 10:40 - 1:10 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 39-2 To BM 39-3
Date 5 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	310.363					220.815				
16	6.816	103.4544	.136	4.407		4.740	73.6049	.140	4.413	
	6.680		.138			4.600		.140		
	6.542		.274			4.460		.280		
	20.038	6.6793		4.681	92°	13.800	4.6000		4.693	
17	6.670		.141			4.362		.140		Summation of Run
	6.529		.141			4.222		.141		From B.M. 39-2
	6.388		.282			4.081		.281		To B.M. 39-3
	19.587	6.5290		4.963		12.665	4.2217		4.974	
18	7.288		.150			5.067		.151		Total Backsights = + 136.1930
	7.138		.147			4.916		.148		Total Foresights = − 97.3463
	6.991		.297			4.768		.299		Diff. Elev. = + 38.8467
	21.417	7.1390		5.260		14.748	4.9160		5.273	
19	6.451		.129			4.475		.126		Backsight stadia = 5.684
	6.322		.128			4.349		.129		Foresight Stadia = 5.701
	6.194		.257			4.220		.255		Total Stadia = 11.385
	18.967	6.3223		5.517		13.044	4.3480		5.528	.72 mi.
20	6.152		.082			5.742		.086		BM 39-3 (Puente L-1)
	6.070		.085			5.656		.087		Cypress St. and Elspeth Way
	5.985		.169			5.569		.173		
	18.207	6.0690		5.684	92°	16.967	5.6557		5.701	See F.B. 1360-9
	408.579	136.1930				292.039	97.3463			
	136.1930					97.3463				

F.B. 1390 P.G. 182

76P526-CE 379—10-57

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Clear Inst. No. 15066
Notes by: E. E. Brooks Time: 11:00-1:20 Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM 39-2 To: BM 39-2
Date: 14 Aug 1962
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	5.971		.090			6.981		.083		BM 39-3
	5.881		.090			6.898		.085		Cypress St and Elspeth
	5.791		.180			6.813		.168		Way
	17.643	5.8810		.180	90°	20.692	6.8973		.168	see FB. 1060-9
2	6.231		.127			7.028		.139		
	6.104		.126			6.889		.137		T Kapp
	1.978		.253			6.752		.276		
	15.313	5.1043		.433		20.669	6.8897		.444	
3	5.292		.155			7.881		.147		
	5.137		.155			7.734		.145		
	4.982		.310			7.589		.292		
	15.411	5.1370		.743		23.204	7.7347		.736	
4	5.198		.142			7.371		.142		
	5.056		.143			7.229		.143		
	4.913		.285			7.086		.285		
	15.167	5.0557		1.028		21.686	7.2287		1.021	
5	5.432		.138			6.575		.137		
	5.294		.141			6.438		.138		
	5.153		.279			6.300		.275		
	15.879	5.2930		1.307		19.313	6.4377		1.296	
	79.413	26.4710				105.564	35.1881			
	26.4710					35.1880				

F.B. 1320 P.G. 187

76P526-CE 379—10-57

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks Weather: Clear Inst. No. 15066
Notes by: F. E. Brooks Time: 11:00 – 1:20 Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM 39-3 To: BM 39-2
Date: 14 Aug 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	19.413					25.564				
6	4.953	4.4710	.132	1.307		6.511	6.1881	.143	1.296	
	4.821		.132			6.368		.147		
	4.689		.264			6.221		.290		
	14.463	4.8210		1.571		19.100	6.3667		1.586	
7	4.470		.192			8.419		.190		
	4.278		.192			7.829		.190		
	4.086		.384			7.639		.380		
	12.834	4.2780		1.955		23.887	7.9290		1.966	
8	4.800		.142			7.020		.140		
	4.658		.146			6.880		.140		
	4.512		.288			6.740		.280		
	13.970	4.6567		2.243		20.640	6.8800		2.246	
F.B. 39 PG. 184 9	4.730		.146			6.741		.144		
	4.584		.146			6.597		.145		
	4.438		.292			6.452		.289		
	13.752	4.5840		1.535		19.790	6.5967		1.535	
10	4.782		.133			6.785		.143		
	4.649		.136			6.642		.141		
	4.513		.269			6.501		.284		
	13.944	4.6480		2.804		19.928	6.6427		2.819	
	148.376	49.4587				208.509	69.5032			
	49.4587					69.5030				

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Clear Inst. No.: 5066
Notes by: E. E. Brooks Time: 11:00-1:20 Rod No.: 18-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 39-3 To: BM 39-2
Date: 14 Aug. 1963
Indexed: C. J. Galli

Number of Station	BACKSIGHT Thread Readings 148.376	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 208.309	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
11	4.768	49.4584	.148	2.804		6.571	69.5032	.141	2.819	
	4.620		.145			6.430		.140		
	4.475		.293			6.290		.281		
	13.813	4.6210		3.097		19.291	6.4303		3.100	
	4.900		.143			7.565		.149		
	4.757		.147			6.916		.148		
	4.610		.290			6.768		.297		
	14.267	4.7557		3.387		20.749	6.9163		3.397	
13	4.583		.148			8.129		.148		
	4.435		.146			7.981		.144		
	4.289		.294			7.837		.292		
	13.307	4.4357		3.681		23.947	7.9823		3.689	
14	4.781		.142			7.572		.142		
	4.639		.144			7.430		.141		
	4.495		.286			7.289		.283		
	13.915	4.6383		3.917		22.291	7.4303		3.972	
15	3.340		.141			6.960		.147		
	3.199		.139			6.813		.145		
	3.060		.280			6.668		.292		
	9.599	3.1997		4.247		20.441	6.8137		4.264	
	213.327	71.1091				315.228	105.0961			
	71.1090					105.0960				

F.B. 320 P.G. 65

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks — Weather: Clear — Inst. No: 15066
Notes by: F. E. Brooks — Time: 11:00 - 1:20 — Rod No: 19-20

Name: L.A. Co. Precise Level Net
Job No: 0321.02
From: BM 39-3 To: BM 39-2
Date: 14 Aug 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	213.327					715.228				
16	3.180	71.1091	.142	4.247		6.272	105.0761	.149	4.264	
	3.038		.146			6.123		.146		
	2.892		.288			5.977		.295		1 hr. for lunch
	9.110	3.0367		4.535	96°	18.372	1240		4.559	
17	4.539		.164			3.290		.155		Summation of Run
	4.375		.162			3.135		.156		From B.M. 39-3
	4.213		.326			2.979		.311		To B.M. 39-2
	13.127	4.3757		4.861	98°	9.404	3.1347		4.870	
18	4.754		.142			4.457		.164		Total Backsights = + 92.3391
	4.612		.141			4.293		.162		Total Foresights = − 131.1822
	4.471		.283			4.131		.326		Diff. Elev. = −38.8431
	13.837	4.6123		5.144		12.881	4.2937		5.196	
F.B. 379 P.G. 186 — 19	5.750		.158			6.538		.140		Backsight stadia = 5.772
	5.592		.155			6.398		.139		Foresight Stadia = 5.748
	5.437		.313			6.260		.279		Total Stadia = 11.520
	16.779	5.5930		5.457		19.196	6.3987		5.474	= .73 mi.
F.B. 379 P.G. 186 — 20	3.770		.158			6.292		.137		BM 39-2
	3.612		.157			6.155		.137		Cypress St. and Lake
	3.455		.315			6.018		.274		Ellen Ave
	10.837	3.6123		5.772	98°	18.465	6.1550		5.748	See F.B. 1360-8

277.017 — 92.3391
92.3390

393.546 — 131.1822
131.1820

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Clear Inst. No. 15066
Notes by: E. E. Brooks Time: 1:15 – 1:45 Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From BM 39-3 To BM 39.15
Date: 5 Aug 1963
Indexed: R. J. Gatti

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	7.482 7.335 7.188		.147 .147 .294		99°	4.422 4.281 4.140		.141 .141 .282		BM 39-3 (Point 2-1) Cypress St. and Elspeth Way See F.B. 136-9
	22.005	7.3350		.294		12.843	4.2810		.282	
	6.329 6.190 6.052		.139 .138 .277			4.412 4.272 4.132		.140 .140 .280		T Lapp
	18.571	6.1903		.571		12.816	4.2720		.562	
3	6.756 6.595 6.437		.161 .158 .319			4.972 4.834 4.697		.138 .137 .275		
	19.788	6.5960		.890		13.903	4.6343		.837	
4	6.432 6.298 6.163		.134 .135 .269			4.635 4.490 4.345		.155 .155 .310		
	18.893	6.2977		1.159		13.440	4.4800		1.147	
5	6.600 6.450 6.300		.150 .150 .300			4.832 4.699 4.562		.133 .137 .170		
	19.350	6.4500		1.459		14.093	4.6977		1.417	
	98.607 32.8690	32.8690				67.095 22.3650	22.3650			

F.B. 139 P.G. 65

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 1:15 - 1:45 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM39-3 To BM39-15
Date 5 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	98.607					67.095				
6	6.732	32.8690	.147	1.459		4.785	22.3650	.153	1.417	Summation of Run
	6.585		.149			4.635		.153		From B.M. 39-3
	6.436		.296			4.482		.306		To B.M. 39-15
	19.753	6.5843		1.755		13.905	4.[illegible]350		1.723	
7	6.232		.134			4.509		.136		Total Backsights = + 57.4323
	6.098		.138			4.373		.135		Total Foresights = − 42.3173
	5.960		.272			4.238		.271		Diff. Elev. = +15.1150
	18.290	6.0967		2.027		13.120	4.3733		1.994	
8	5.652		.120			4.358		.128		Backsight stadia = 2.465
	5.532		.120			4.230		.132		Foresight Stadia = 2.457
	5.412		.240			4.108		.260		Total Stadia = 4.922
	16.596	5.5320		2.267		12.696	4.[illegible]320		2.254	= .31 mi.
9	6.449		.098			6.813		.100		BM 39-15
	6.351		.100			6.713		.103		Cypress St. and Hollenbeck
	6.251		.198			6.610		.203		Ave
	19.051	6.3503		2.465	94°	20.136	6.[illegible]120		2.457	See F.B. 1360-23
	172.297	57.4323				126.952	42.3173			
	57.4323					42.3173				

F.B. 1390 P.G. 188

76P526-CE 379—10-57

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Chief of Party E. E. Brooks Weather clear Inst. No. 15066
Notes by F. E. Brooks Time 10:30 – 10:55 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM39-15 To BM39-3
Date 14 Aug 1963
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	6.271		.099			6.736		.086		BM 39-15
	6.172		.100			6.650		.090		Cypress St. and Hollenbeck
	6.072		.199			6.560		.176		Ave
	18.515	6.1717		.199	92°	19.946	6.6487		.176	See F.B. 1360-23
	5.099		.126			6.195		.122		
	4.973		.124			6.073		.121		⊼ Kapp
	4.849		.250			5.952		.243		
	14.921	4.9737		.449		18.220	6.0733		.419	
3	5.019		.136			6.737		.138		
	4.883		.134			6.599		.138		
	4.749		.270			6.461		.276		
	14.651	4.8837		.719		19.797	6.5990		.695	
4	5.282		.151			7.252		.150		
	5.131		.150			7.102		.150		
	4.981		.301			6.952		.300		
	15.394	5.1313		1.020		21.306	7.1020		.995	
5	5.311		.134			7.069		.149		
	5.177		.137			6.920		.151		
	5.040		.271			6.769		.300		
	15.528	5.1760		1.291		20.758	6.9193		1.295	
	79.009	26.3364				100.027	33.3423			
	26.3363					33.3423				

F.B. P.O.

F.B. 1390 PG. 189

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Clear Inst. No. 15066
Notes by: E. E. Brooks Time: 10:30 - 10:55 Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM 39-15 To: BM 39-3
Date: 14 Aug. 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings 79.009	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 100.027	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	5.209	26.3364	.149	1.291		7.030	37.3423	.142	1.295	Summation of Run From B.M. 39-15 To B.M. 39-3
	5.060		.146			6.888		.146		
	4.914		.295			6.742		.288		
	15.183	5.0610		1.586		20.660	6.2867		1.583	
7	5.303		.135			7.255		.160		Total Backsights = + 46.2980
	5.168		.138			7.095		.160		Total Foresights = − 61.4100
	5.030		.273			6.935		.320		Diff. Elev. = − 15.1120
	15.501	5.1670		1.859		21.285	7.0950		1.903	
8	4.990		.148			6.835		.132		Backsight stadia = 2.434
	4.842		.147			6.703		.131		Foresight Stadia = 2.462
	4.695		.295			6.572		.263		Total Stadia = 4.896
	14.527	4.8423		2.154		20.110	6.7033		2.166	.31 mi.
9	5.032		.142			7.531		.149		BM 39-3 (Punch L-1) Cypress St. and Elspeth Way
	4.890		.138			7.382		.147		
	4.752		.280			7.235		.296		
	14.674	4.8913		2.434	90°	22.148	7.3827		2.462	see FB. 1360-9
	138.894 46.2980	46.2980				184.230 61.4100	61.4100			

FB. 1390 PG. 190

FB. PG.

76P526-CE 379—10-57

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Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by E. L. Brooks Time 1:50 – 2:30 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02 B
From BM 39-15 To BM 17-3A
Date 9 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	6.932		.145			5.288		.151		BM 39-15
	6.787		.141			5.137		.150		Cypress St. and Hollenbeck
	6.640		.292			4.987		.300		Ave.
	20.359	6.7863		.292	94°	15.412	5.1373		.300	See F.B. 1360-23
	6.149		.135			4.620		.142		
	6.014		.134			4.478		.140		π Kapp
	5.880		.269			4.338		.282		
	18.043	6.0143		.561		13.436	4.4787		.582	
3	6.201		.142			3.312		.132		
	6.059		.142			3.180		.132		
	5.917		.284			3.048		.264		
	18.177	6.0590		.845		9.540	3.1800		.846	
4	6.921		.143			3.720		.142		
	6.778		.146			3.578		.144		
	6.632		.289			3.434		.286		
	20.331	6.7770		1.134		10.732	3.5773		1.132	
5	6.990		.151			3.629		.136		
	6.839		.149			3.493		.133		
	6.690		.300			3.360		.269		
	20.519	6.8397		1.434		10.482	3.4940		1.401	
	97.429	32.4763				59.602	19.8673			
	32.4763					19.8673				

F.B. 1324 P.G. 44

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 1:50 – 2:30 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02 B
From BM 39-15 To BM 17-3X
Date 9 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	97.429					59.602				
6	6.431	32.4763	.141	1.434		4.170	19.3673	.145	1.401	
	6.290		.144			4.025		.144		
	6.646		.285			3.881		.289		
	20.367	6.7890		1.719		12.076	4.0253		1.690	
7	8.390		.170			4.559		.141		
	8.220		.171			4.418		.137		
	8.049		.341			4.281		.278		
	24.659	8.2197		2.060		13.258	4.4193		1.968	
8	6.869		.138			4.781		.155		
	6.731		.137			4.626		.157		
	6.594		.275			4.469		.312		
	20.194	6.7313		2.335		13.876	4.6253		2.280	
9	6.692		.140			4.120		.151		
	6.552		.141			3.969		.149		
	6.411		.281			3.820		.300		
	19.655	6.5517		2.616		11.909	3.9697		2.580	
10	5.938		.145			3.549		.149		
	5.793		.143			3.400		.148		
	5.650		.288			3.252		.297		
	17.381	5.7937		2.904		10.201	3.4003		2.877	
	199.685	66.5617				120.922	40.3072			
	66.5617					40.3072				

F.B. 390 P.G. 191

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks — Weather: Clear — Inst. No. 15066
Notes by: F. E. Brooks — Time: 1:50 – 2:30 — Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301.02 B
From: BM 39-15 To: BM 17-3X
Date: 9 Aug. 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	99.685					120.922				
	6.202	6.5619	.150	2.904		4.588	4.3042	.138	2.877	Summation of Run
	6.052		.152			4.450		.137		From BM 39-15
11	5.900		.302			4.313		.275		To BM 17-3X B
	18.154	6.0513		3.206		13.351	4.4503		3.152	
	6.792		.137			4.551		.156		Total Backsight = 113.1430
	6.655		.140			4.395		.155		" Foresight = 56.8775
	6.515		.277			4.240		.311		Diff. elev. = 136.2655
	19.962	6.6540		3.483		13.186	4.3953		3.463	
	7.237		.150			4.320		.144		Backsight Stadia = 4.083
	7.087		.150			4.176		.144		Foresight Stadia = 4.003
13	6.937		.300			4.032		.288		Total Stadia = 8.086
	21.261	7.0870		3.783		12.528	4.1760		3.751	= .151 mi.
	6.939		.150			3.674		.124		BM 17-3X B
	6.789		.150			3.550		.128		Cypress St. and Citrus Ave
14	6.639		.300			3.422		.252		
	20.317	6.7890		4.083	96°	10.646	3.5487		4.003	See F.B. 1381-112

279.429 - 99.1430
93.1430

170.633 - 56.8775
56.8775

F.B. 1380 P.G. 18

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

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

Name LA. Co. Precise Level Net
Job No. 0301.02
From BM 17-3B To BM 39-15
Date 14 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	3.731		.126			7.135		.159		BM 17-3B
	3.605		.127			6.976		.158		Cypress St and Citrus
	3.478		.253			6.818		.317		Ave
	10.814	3.6047		.253	82°	20.929	6.[illegible]63		.317	See F.B. 1381-112
2	4.272		.165			7.048		.149		
	4.107		.168			6.900		.148		π Kapp
	3.939		.333			6.752		.296		
	12.318	4.1060		.586		20.700	6.[illegible]00		.613	
3	4.643		.155			6.920		.153		
	4.488		.158			6.767		.157		
	4.330		.313			6.610		.310		
	13.461	4.4870		.899		20.297	[illegible]57		.923	
4	4.751		.149			6.940		.148		
	4.602		.145			6.792		.145		
	4.457		.294			6.647		.293		
	13.810	4.6033		1.193		20.379	6.[illegible]30		1.216	
5	4.280		.148			6.570		.141		
	4.132		.144			6.429		.144		
	3.988		.292			6.285		.285		
	12.400	4.1333		1.485		19.284	6.4280		1.501	
	62.803	20.9343				101.589	33.8630			
	20.9343					33.8630				

F.B. 1390 P.G. 194

76P526-CE 379—10-57

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by E. E. Brooks Time 9:40 - 10:25 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 030/B 02
From BM 17-3X To BM 39-15
Date 14 Aug 196[illegible]
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	12.803					101.589				
6	4.813	20.9343	.140	1.485		6.833	33.8630	.163	1.501	
	4.673		.138			6.670		.161		
	4.535		.278			6.509		.324		
	14.021	4.6737		1.763		20.012	6.6707		1.825	
	4.691		.161			7.420		.132		
	4.530		.161			7.288		.136		
	4.369		.322			7.152		.268		
	13.590	4.5300		2.085		21.860	7.0867		2.093	
8	4.999		.139			7.281		.139		
	4.860		.139			7.142		.138		
	4.721		.278			7.004		.277		
	14.580	4.8600		2.363		21.427	7.1423		2.370	
9	3.788		.178			8.058		.146		
	3.610		.178			7.912		.143		
	3.432		.356			7.769		.289		
	10.830	3.6100		2.719		23.739	7.9130		2.659	
10	4.872		.132			8.[illegible]		.151		
	4.740		.131			8.054		.152		
	4.609		.263			7.902		.303		
	14.221	4.7403		2.982		24.161	8.0537		2.962	
	130.045	43.3483				212.788	70.9294			
	43.3483					70.9293				

F.B. 1396 P.G. 185

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 9:40 - 10:25 Rod No. 9-20

Name L.A. Co. Precise Level Net
Job No. 630/02
From BM 17-3 B To BM 39-15
Date 14 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	130.045					212.788				
11	4.341	43.3483	.142	2.982		7.448	70.9294	.145	2.962	Summation of Run
	4.199		.145			7.303		.142		From BM 17-3 B
	4.054		.287			7.161		.287		To BM 39-15
	12.594	4.1980		3.269		21.912	[illegible]		3.249	
12	3.878		.140			6.836		.138		Total Backsight = +61.5172
	3.738		.139			6.698		.137		" Foresight = -97.7804
	3.599		.279			6.561		.275		Diff elev. = -36.2632
	11.215	3.7383		3.548		20.095	6.[illegible]83		3.524	
13	5.451		.139			6.348		.137		Backsight Stadia = 4.125
	5.312		.138			6.211		.134		Foresight Stadia = 4.090
	5.174		.277			6.077		.271		Total Stadia = 8.215
	15.937	5.3123		3.825		18.636	6.[illegible]20		3.795	= .52 mi.
14	5.070		.149			6.784		.147		BM 39-15
	4.921		.151			6.637		.148		Cypress St. and
	4.770		.300			6.489		.295		Hollenbeck Ave
	14.761	4.9203		4.125	92°	19.910	6.[illegible]67		4.090	See F.B. 1360-23
	184.552	61.5172				293.341	97.7804			
	61.5173					97.7803				

F.B. 1394 G. 196

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 2:35-3:30 Rod No. 19-20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 17-3X B To BM 39-4
Date 9 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	7.198		.160			4.610		.150		BM 17-3X B
	7.038		.158			4.460		.150		Cypress St and Citrus
	6.880		.318			4.310		.300		Ave
	21.116	7.0387		.318	96°	13.380	4.4600		.300	See F.B. 1381-112
2	6.837		.144			4.511		.143		
	6.693		.142			4.368		.147		T Kopp
	6.551		.286			4.221		.290		
	20.081	6.6937		.604		13.100	4.3667		.590	
3	7.128		.176			5.107		.188		
	6.952		.174			4.919		.187		
	6.778		.350			4.732		.375		
	20.858	6.9527		.954		14.758	4.9193		.965	
4	6.793		.151			5.028		.156		
	6.642		.152			4.872		.152		
	6.490		.303			4.720		.308		
	19.925	6.6417		1.257		14.620	4.8733		1.273	
5	6.398		.147			4.968		.130		
	6.251		.145			4.838		.130		
	6.106		.292			4.708		.260		
	18.755	6.2517		1.549		14.514	4.8380		1.533	
	100.735	33.5785				70.372	23.4573			
	33.5783					23.4573				

F.B. 1396 P.G. 197

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks
Notes by: E. E. Brooks
Weather: Clear
Time: 2:35 – 3:30
Inst. No. 15066
Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0361.02
From: BM 17-3 X B To: BM 39-4
Date: 9 Aug 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	100.735					98.372				
6	6.409	33.5985	.142	1.549		4.915	25.593	.143	1.533	
	6.267		.146			4.830		.141		
	6.121		.288			4.689		.284		
	18.797	6.2657		1.837		14.492	4.8307		1.817	
7	5.848		.159			3.852		.137		
	5.719		.158			3.715		.137		
	5.561		.317			3.578		.274		
	17.158	5.7193		2.154		11.145	3.7150		2.091	
8	7.527		.165			4.151		.133		
	7.362		.161			4.018		.137		
	7.201		.326			3.881		.270		
	22.090	7.3633		2.480		12.050	4.0167		2.361	
9	5.558		.138			3.088		.150		
	5.420		.139			2.938		.150		
	5.281		.277			2.788		.300		
	16.259	5.4197		2.757		8.814	2.9380		2.661	
10	6.011		.121			4.753		.165		
	5.890		.120			4.588		.167		
	5.770		.241			4.421		.332		
	17.671	5.8903		2.998		13.762	4.5873		2.993	
	192.710	64.2368				130.635	43.5450			
	64.2367					43.5450				

F.B. 1392 PG. 198

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 2:35 - 3:30 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 17-3XB To BM 39-4
Date 9 Aug 1963
Indexed C. I. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	192.910					130.635				
11	7.413	6.2368	.148	2.993		4.530	4.3.5450	.130	2.993	summation of Run
	7.265		.152			4.400		.130		From BM 17-3XB
	7.113		.300			4.270		.260		To BM 39-4
	21.991	7.2637		3.298		13.200	4.4000		3.253	
	7.092		.134			4.235		.155		Total back sights = + 92.0625
	6.958		.138			4.080		.155		" Fore sights = - 61.0123
	6.820		.272			3.925		.310		diff elev. = + 31.0502
	20.870	6.9567		3.570		12.240	4.0800		3.563	
	7.241		.149			4.275		.148		Back sight stadia = 4.044
	7.093		.144			4.091		.148		Foresight stadia = 4.046
13	6.949		.292			3.943		.296		Total " = 8.090
	21.283	7.0943		3.862		12.291	4.0970		3.959	= .51 mi.
	6.602		.091			4.984		.094		BM 39-4
14	6.511		.091			4.890		.093		Cypress St. and
	6.420		.182			4.797		.187		Barranca Ave
	19.533	6.5110		4.044	94°	14.671	4.8903		4.046	See FB 1360-10

276.187 92.0625
92.0625

183.037 61.0123
61.0123

F.B. 1360 P.G. 10

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 8:50 – [illegible] Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02 B
From BM 39-4 To BM 17-3 A
Date 14 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	4.966		.095			6.817		.094		BM 39-4
	4.871		.093			6.723		.091		Cypress St. and Barranca Ave
	4.778		.188			6.632		.185		
	14.615	4.8717		.188	78°	20.172	[illegible]		.185	See F.B. 1366-10
2	4.620		.148			8.077		.149		
	4.472		.149			7.928		.150		π Kapp
	4.323		.297			7.778		.299		
	13.415	4.4717		.485		23.783	7.9277		.484	
3	4.963		.145			7.293		.143		
	4.818		.148			7.156		.145		
	4.670		.293			7.005		.288		
	14.451	4.8170		.778		21.448	7.1493		.772	
4	4.648		.130			7.928		.154		
	4.518		.130			7.774		.151		
	4.388		.260			7.623		.305		
	13.554	4.5180		1.038		23.325	7.7750		1.077	
5	6.241		.151			6.855		.141		
	6.090		.150			6.714		.140		
	5.940		.301			6.574		.281		
	18.271	6.0903		1.339		20.143	6.7143		1.356	
	74.306	24.7687				108.891	36.2903			
	24.7687					36.2903				

F.B. 1390 P.G. 200

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 8:50 – 9:35 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM39-4 To BM17-3X B
Date 14 Aug 1963
Indexed E. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	74.306					108.871				
6	2.738	24.7687	.147	1.339		6.629	36.2903	.163	1.358	
	2.591		.143			6.466		.164		
	2.448		.290			6.302		.327		
	7.777	2.5923		1.629		19.397	6.4657		1.685	
7	5.2[illegible]		.155			7.611		.141		
	5.121		.151			7.470		.140		
	4.970		.306			7.330		.281		
	15.367	5.1223		1.935		22.411	7.4703		1.966	
8	4.157		.138			6.722		.157		
	4.019		.138			6.565		.155		
	3.881		.276			6.412		.312		
	12.057	4.0190		2.211		19.697	6.5657		2.278	
9	5.052		.155			6.384		.130		
	4.897		.157			[illegible]		.130		
	4.740		.312			6.124		.260		
	14.689	4.8963		2.523		18.762	6.2540		2.538	
10	5.269		.131			6.758		.148		
	5.138		.129			6.610		.150		
	5.009		.260			6.460		.298		
	15.416	5.1387		2.783		19.828	6.6093		2.836	
	139.612	46.5373				208.966	69.6553			
	46.5373					69.6553				

F.B. 1396 P.G. 201

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Clear Inst. No.: 15066
Notes by: F. E. Brooks Time: 8:50 – 9:35 Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 5301.02
From: BM 39-4 To: BM 17-3A
Date: 14 Aug 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	139.612					208.966				
11	5.290	4.5373	.152	2.763		6.821	6.553	.151	2.836	Summation of Run
	5.138		.149			6.670		.152		From BM 39-4
	4.959		.301			6.518		.303		To BM 17-3A B
	15.417	5.1390		3.094		20.009	6.677		3.159	
12	5.431		.201			7.070		.156		Total Backsights = + 66.3983
	5.230		.201			6.914		.156		" Foresights = − 97.4500
	5.029		.402			6.758		.312		diff elev = − 31.052
	15.690	5.2300		3.486		20.742	6.920		3.451	Σ − 31.0517
13	4.852		.144			5.213		.140		Backsight stadia = 4.080
	4.738		.142			7.073		.141		Foresight stadia = 4.059
	4.596		.292			1.932		.286		Total stadia = 8.139
	14.210	4.7367		3.478		21.223	7.0743		3.424	= .15 mi.
14	4.907		.153			7.298		.162		BM 17-3 B
	4.754		.149			7.136		.160		Cypress St. and Citrus Ave
	4.605		.302			6.974		.322		Ave
	14.266	4.7553		4.030	82°	21.410	7.1367		4.059	See F.B. 1381-112
	199.195	66.3983				292.350	97.4500			
	66.3983					97.4500				

F.B. 1390 PG. 202

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 8:45 - Rod No. 19-20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 39-4 To BM 39-4A
Date 15 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4.680		.092			4.888		.090		BM 39-4
	4.588		.090			4.798		.091		Cypress St. and Bonanza
	4.498		.182			4.707		.181		Ave.
	13.766	4.5887		.182	80°	14.393	4.7977		.181	See FB. 1360-10
										BM 39-4A
										Cypress St. and Bonanza
										Ave
										See FB. 1360-21
										T. Cook
										Summation of Run
										From B.M. 39-4
										To B.M. 39-4A
										Total Backsights = + 4.5887
										Total Foresights = − 4.7977
										Diff. Elev. = − 0.2090
										Backsight stadia = .182
										Foresight Stadia = .181
										Total Stadia = .363
										= .02 mi.

F.B. 1360 P.G. 203

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by Time 8:50 Rod No. 20

Name L.A. Co. Precise Level Net
Job No. 030.02
From BM 39-4A To BM 39-4
Date 15 Aug 1962
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.925		.090			4.717		.090		BM 39-4A
	4.835		.091			4.627		.091		Cypress St and Barranca
	4.744		.181			4.536		.181		Ave
	4.504	4.8347		.181	80°	4.2267			.181	See F.B. 1360-21
										BM 39-4
										Cypress St and Barranca
										Ave
										See F.B. 1360-10
										T Cook
										Summation of Run
										From B.M. 39-4A
										To B.M. 39-4
										Total Backsights = + 4.8347
										Total Foresights = − 4.6267
										Diff. Elev. = +0.2080
										Backsight stadia = .181
										Foresight Stadia = .181
										Total Stadia = .362
										= .02 mi.

F.B. 1360 PG. 204

76P526-CE 379—10-57

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 8:55 – 9:35 Rod No. 12.20

L.A. Co. Precise Level Ner
Name
Job No. 0301.02
From BM39-4A To BM39-5A
Date 15 Aug 1967
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	6.684		.157			3.968		.166		BM 39-4A
	6.527		.159			3.802		.166		Cypress St. and Bonanza
	6.368		.316			3.636		.332		Ave
	19.579	6.5263		.316	80°	11.406	3.8020		.332	See FB 1360-21
2	6.776		.148			5.107		.149		
	6.628		.147			4.958		.148		T. Cook
	6.481		.295			4.810		.297		
	19.885	6.6283		.611		14.875	4.9583		.629	
3	6.763		.160			4.301		.159		
	6.603		.160			4.142		.160		
	6.443		.320			3.982		.319		
	19.809	6.6030		.931		12.425	4.1417		.948	
4	6.998		.146			4.420		.153		
	6.852		.144			4.267		.152		
	6.708		.290			4.115		.305		
	20.558	6.8527		1.221		13.702	4.5673		1.253	
5	6.521		.149			3.890		.142		
	6.372		.150			3.748		.146		
	6.222		.299			3.602		.288		
	19.115	6.3717		1.520		11.240	3.7467		1.541	
	98.946	32.9820				63.648	21.2160			
	32.9820					21.2160				

F.B. 1224 P.G. 105

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Clear Inst. No. 15066
Notes by: E. E. Brooks Time: 8:55 - 9:35 Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM 39-4A To: BM 39-5A
Date: 15 Aug 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	98.946					63.648				
6	6.314	32.9820	.144	1.520		4.460	2.2160	.150	1.541	
	6.170		.146			4.310		.150		
	6.022		.292			4.160		.300		
	18.506	6.1687		1.812		12.930	4.3100		1.841	
7	6.809		.151			4.420		.147		
	6.658		.153			4.273		.143		
	6.505		.304			4.130		.290		
	19.972	6.6573		2.116		12.823	4.2743		2.131	
8	7.600		.144			4.323		.150		
	7.456		.146			4.173		.150		
	7.310		.290			4.023		.300		
	22.366	7.4553		2.406		12.519	4.1730		2.431	
F.B. 332 P.G. 206 9	6.909		.149			4.272		.152		
	6.760		.150			4.120		.152		
	6.610		.299			3.968		.304		
	20.279	6.7597		2.705		12.360	4.1200		2.735	
10	6.839		.151			4.243		.149		
	6.688		.149			4.094		.146		
	6.539		.300			3.948		.295		
	20.066	6.6887		3.005		12.285	4.0950		3.030	
	200.135	66.7119				126.565	42.1883			
	66.7119					42.1883				

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks Weather: Cloudy Inst. No. 15066
Notes by: E. E. Brooks Time: 8:55 – 9:35 Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM 39-4A To: BM 39-5A
Date: 15 Aug 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings 200.135	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 12.365	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
11	6.857	66.9117	.156	3.005		4.203	42.1883	.149	3.030	Summation of Run from BM 39-4A To BM 39-5A
	6.707		.149			4.054		.146		
	6.558		.299			3.908		.295		
	20.122	6.7073		3.304		12.165	4.0550		3.325	
12	6.739		.149			4.110		.151		Total Backsights = + 92.3437
	6.590		.149			3.959		.152		" Foresights = − 59.9860
	6.441		.298			3.807		.303		diff elev. + 32.3577
	19.770	6.5900		3.602		11.876	3.9587		3.628	
13	6.651		.138			4.137		.144		Backsight Stadia = 3.985
	6.513		.135			3.989		.140		Foresight " = 4.022
	6.378		.273			3.849		.284		Total " = 8.007
	19.542	6.5140		3.875		11.971	3.9903		3.912	= .51 mi.
14	5.876		.056			5.849		.056		BM 39-5A (L.A.C.F.C.)
	5.820		.054			5.793		.054		Cypress St. and
	5.766		.110			5.739		.110		Grand Ave
	17.462	5.8207		3.985	86°	17.381	5.7937		4.022	See F.B. 1360-24
	277.031	92.3437				179.958	59.9860			
	92.3437					59.9860				

F.B. 1360 P.G. 24

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.F. Brooks Weather SUNNY & CLEAR Inst. No. 15066
Notes by C.G. VALDEZ Time 2:55 - 3:35 Rod No. 19620

Name L.A.C. Precise Level Net
Job No. 0301.02
From BM 39-5A To BM 39-4A
Date AUG. 19, 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	5482		052			5555		056		BM 39-5A (L.A.C.F.C.) Cypress St. and Grand Ave
	5430		052			5499		055		
	5378		104			5444		111		
	16290	5430		.104	92°	16498	5499		.111	See FB. 1360-24
2	3751		143			6283		135		T Maldonado
	3608		145			6148		139		
	3463		288			6009		274		
	10822	3607 3		.392		18406	6147		.385	
3	3842		152			6480		150		
	3690		151			6330		150		
	3539		303			6180		300		
	11071	3690 3		.695		18990	6330 0		685	
4	4042		146			7440		150		
	3896		148			7290		150		
	3748		294			7140		300		
	11686	3895 3		.989		21870	7290 0		985	
5	4723		145			6479		148		
	4578		148			6331		152		
	4430		293			6179		300		
	13731	4577 0		1282		18989	6329 7		1285	
	13.600	21.1999				94.787	31.5957			
	21.2000					31.5957				

F.B. 1390 P.G. 208

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather SUNNY & CLEAR Inst. No. 15066
Notes by C.G. VALDEZ Time 2:55-3:35 Rod No. 19 & 20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM39-5A To BM39-4A
Date Aug. 19, 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	63.600					94.767				
6	3972	21.1999	151	1282		6681	31.6957	147	1285	
	3821		151			6534		150		
	3670		302			6384		297		
	11.463	3.8210		1584		19599	65330		1582	
7	4.130		151			6539		142		
	3.979		150			6.397		145		
	3.829		301			6.252		287		
	11.938	3.9793		1.885		19.188	6.3960		1.869	
8	3679		146			6260		152		
	3533		143			6108		156		
	3390		289			5952		308		
	10.602	3.5340		2.174		18320	6.1067		2.177	
9	3452		149			6458		146		
	3.303		151			6312		143		
	3.152		300			6.169		289		
	9.907	33023		2.474		18939	63130		2.466	
10	4148		146			5780		150		
	4002		143			5630		150		
	3859		289			5480		300		
	12.009	4.0030		2.763		16890	56300		2.766	
	119.519	39.8395				187.723	62.5744			
	39.8397					62.5743				

F.B. 139 & P.G. 209

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather SUNNY, CLEAR Inst. No. 15066
Notes by C.G. VALDEZ Time 2:55 — 3:35 Rod No. 19620

Name L.A.C. Precise Level Net
Job No. 0301.02
From BM 39-5A To BM 39-4A
Date AUG. 19, 1963
Indexed C.J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	119.579					187.723				
11	3.901	39.8395	150	2763		6.632	62.744	143	2766	summation of Zun
	3.751		149			6.489		147		From BM 39-5A
	3.602		299			6.342		290		To BM 39-4A
	11.254	3.7513		3.062		19.463	6.4877		3.056	
12	4.028		160			5.729		161		Total Backsights = + 55.1015
	3.868		158			5.568		160		" Foresights = − 87.4567
	3.710		318			5.408		321		diff elev. = − 32.3552
	11.606	3.8687		3.380		16.705	5.5683		3.377	
13	4.070		147			6.448		150		Back sight Stadia 4.011
	3.923		144			6.298		149		Foresight " 3.978
	3.779		291			6.149		299		Total " 7.989
	11.772	3.9240		3.671		18.895	6.2983		3.676	= .51 mi.
14	3.888		170			6.679		151		BM 39-4A
	3.718		170			6.528		151		Cypress St and Barranca
	3.548		340			6.377		302		Ave
	11.154	3.7180		4.011	96°	19.584	6.5280		3.978	See FB. 1360-21

F.B. 1322 PG. 210

165.305 55.1015 | 262.370 87.4567

Verified

76P526-CE 379—10-57

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

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

Name: L.A. Co. Precise Level Net
Job No. 0201.02
From: BM 39-5A To: BM 39-6
Date: 15 Aug. 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	6.240 6.127 6.014		.113 .113 .226			4.445 4.331 4.218		.114 .113 .227		BM 39-5A (L.A.C.F.C.) Cypress St. and Grand Ave See F.B. 1360-24
	18.381	6.1270		.226	86°	12.994	4.3313		.227	
2	7.230 7.091 6.951		.139 .140 .279			4.997 4.851 4.707		.146 .144 .290		T Cool
	21.272	7.0907		.505		14.555	4.8517		.517	
3	7.327 7.160 6.992		.167 .168 .335			4.166 4.026 3.865		.160 .161 .321		
	21.479	7.1597		.840		12.077	4.0257		.838	
4	7.163 7.015 6.868		.148 .147 .295			4.012 3.867 3.719		.145 .148 .293		
	21.046	7.0153		1.175		11.598	3.8660		1.131	
5	6.241 6.102 5.966		.139 .136 .275			4.959 4.827 4.693		.132 .134 .266		
	18.309	6.1030		1.420		14.479	4.8263		1.397	
	100.487 33.4957	33.4957				65.703 21.9010	21.9010			

F.B. 1340-211

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

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

Name L.A. Co. Precise Level Net
Job No. 6301.02
From BM 39-5A To BM 39-6
Date 15 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	100.487					65.703				
6	6.026	33.4957	.152	1.420		4.041	[illegible]	.146	1.397	
	5.874		.151			3.895		.144		
	5.723		.303			3.751		.290		
	12.623	5.8743		1.723		11.687	3.8957		1.687	
7	6.997		.162			4.133		.153		
	6.835		.164			3.980		.156		
	6.671		.326			3.824		.309		
	20.503	6.8343		2.039		11.937	3.9790		1.996	
8	7.016		.130			4.481		.153		
	6.886		.130			4.328		.153		
	6.756		.260			4.175		.306		
	20.658	6.8860		2.299		12.984	4.3280		2.302	
9	7.626		.146			4.057		.134		
	7.480		.144			3.923		.132		
	7.336		.290			3.791		.266		
	22.442	7.4807		2.589		11.771	3.9237		2.568	
10	6.510		.143			3.962		.149		
	6.367		.143			3.813		.146		
	6.224		.286			3.667		.295		
	19.101	6.3670		2.875		11.442	3.8140		2.863	
	200.814	66.9380				125.524	41.8414			
	66.9380					41.8413				

F.B. 1390 P.G. 212

76P526-CE 379--10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

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

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 39-5A To: BM 39-6
Date: 15 Aug 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings 200.814	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 125.524	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
11	7.244 7.061 6.877	6.9380	.183 .184 .367	2.885 4 3.252		3.563 3.383 3.203	41.8414	.180 .180 .360	2.863 3.223	Summation of Run from BM 39-5A To BM 39-6
	21.182	7.0607				10.149	3.3830			
12	6.806 6.661 6.518		.145 .143 .288	3 3.540		3.087 2.933 2.780		.154 .153 .307	3.530	Total Backsights = + 93.0470 " Foresights = − 56.2110 diff elev. = + 36.8360
	19.985	6.6617				8.800	2.9333			
13	6.777 6.603 6.427		.174 .176 .350	8 3.890		3.548 3.377 3.207		.171 .170 .341	3.271	Backsight stad. a = 4.045 Foresight " = 4.047 Total " = 8.132 5 mi.
	19.807	6.6023				10.132	3.3773			
14	5.877 5.784 5.692		.093 .092 .185	6 4.045	86°	4.728 4.676 4.588		.088 .088 .176	4.047	BM 39-6 Cypress St. and Glendora Ave See F.B. B60-12
	17.353	5.7843				14.028	4.6760			

F.B. 311 P.G. 213

279.14 93.0470
93.0470

168.673 56.2110
56.2110

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sunny & Clear Inst. No. 15066
Notes by C.G. VALDEZ Time 1:50 — 2:55 Rod No. 19-20

Name L.A.Co. Precise Level Net
Job No. 0301.02
From BM 39-6 To BM 39-5A
Date Aug. 19, 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	4.547		87			5.630		92		BM 39-6
	4.460		88			5538		91		Cypress St. and Glendora Ave
	4.372		175			5447		183		
	13379	4.4597		.175	849	16615	5.5383		.183	See F.B. 1360-12
2	3.420		169			6.712		174		
	3251		172			6538		177		π Maldonado
	3079		341			6361		351		
	9.750	3.2500		.516		19.611	6.5370		.534	
3	3.031		149			6.720		148		
	2.882		151			6.572		144		
	2.731		300			6.428		292		
	8644	2.8813		.816		19.720	6.5733		.826	
4	3.153		180			7.431		181		
	2.973		180			7.250		180		
	2.793		360			7.070		361		
	8.919	2.9730		1.176		21.751	7.2503		1.187	
5	4.120		149			6.000		143		
	3.971		148			5857		144		
	3.823		297			5713		287		
	11.914	3.9713		1.473		17.570	5.8567		1.474	

F.B. 1390 P.G. 214

52.606 17.5353 14.5353

95.267 31.7557 31.4556

76P526-CE 379--10-57

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F.E. Brooks Weather: Sunny & Clear Inst. No.: 15066
Notes by: C.G. Valdez Time: 1:50 – 2:55 Rod No.: 19 & 20

Name: L.A.B. Precise Level Net
Job No.: 0301.02
From: BM 39-6 To: BM 39-5A
Date: Aug. 19, 1963
Indexed: C. J. Galli

Number of Station	BACKSIGHT Thread Readings (52.606)	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings (35.267)	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	37.71	17.5353	132	1.173		7.388	31.7556	146	1.471	
	3.639		133			7.242		143		
	3.506		265			7.099		289		
	10.916	3.6387		1.738		21.729	7.2430		1.763	
7	4.279		141			6.718		141		
	4.138		140			6.577		144		
	3.998		281			6.433		285		
	12.415	4.1383		2.019		19.728	6.5760		2.048	
8	3.602		160			7.207		157		
	3.442		160			7.050		157		
	3.282		320			6.893		314		
	10.326	3.4420		2.339		21.150	7.0500		2.362	
9	4.342		143			5.639		149		
	4.199		147			5.490		151		
	4.052		290			5.339		300		
	12.593	4.1977		2.629		16.468	5.4893		2.662	
10	4.511		141			6.079		129		
	4.370		141			5.950		130		
	4.229		282			5.820		259		
	13.110	4.3700		2.911		17.849	5.9497		2.921	
	111.966	37.3220				192.191	64.0636			
	37.3220					64.0637				

F.B. 379 P.G. 44

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather SUNNY & HOT Inst. No. 15066
Notes by C.G. VALDEZ Time 1:50 - 2:55 Rod No. 19 & 20

Name L.A.C. Precise Level Net
Job No. 0301.02
From BM 39-6 To BM 39-5A
Date Aug. 19, 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings 111.926	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 192.791	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
11	4.050	3.9220	149	2911		6.468	6.336	149	2921	Summation of Bm
	3.901		149			6.319		148		From BM 39-6
	3.752		298			6.171		297		To BM 39-5A
	11.703	3.9010		3.209		18.958	6.3193		3.218	
12	3.242		161			6.848		169		Total Backsights = + 51.5536
	3.081		160			6.679		168		" Foresights = - 88.3909
	2.921		321			6.511		337		diff elev = -36.8373
	9.244	3.0813		3.530		20.038	6.6793		3.555	
13	3340		143			5671		140		Backsight Stadia = 4.045
	3197		146			5531		140		Foresight Stadia = 4.061
	3051		289			5391		280		Total Stadia = 8.106
	9588	3.1960		3.819		16593	5.5310		3.835	= .51 mi.
14	4167		115			5910		111		BM39-5A (L.A.C.F.C.)
	4052		111			5799		115		Cypress St and Grand
	3941		226			5684		226		Ave
	12,160	4.0533		4.045	91°	17393	5.7977		4.061	See FB. 1360-24

F.B. 1390 P.G. 26

154.661 51.5536
51.5539

265.173 88.1909
88.3910

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Clear Inst. No. 15066
Notes by: E. E. Brooks Time: 10:30 - 11:10 Rod No. 19-20

L.A. Co. Precise Level Net
Name:
Job No. 0301.02
From BM 39-6 To BM 39-7
Date: 15 Aug 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	6.099		.110			4.004		.104		BM 39-6
	5.979		.110			3.900		.107		Cypress St. &
	5.869		.220			3.793		.211		Glendora Ave
	17.937	5.9790		.220	66°	11.697	3.8990		.211	See FB. 1360-18
2	6.080		.140			4.320		.144		
	5.940		.140			4.180		.147		π Cross
	5.800		.280			4.036		.288		
	17.820	5.9400		.500		12.540	4.1800		.499	
3	6.639		.140			4.379		.135		
	6.499		.140			4.244		.133		
	6.359		.280			4.111		.268		
	19.491	6.4970		.780		12.734	4.2447		.767	
4	6.639		.142			4.271		.141		
	6.497		.144			4.130		.142		
	6.353		.286			3.988		.283		
	19.489	6.4963		1.066		12.389	4.1297		1.050	
5	6.887		.156			4.331		.146		
	6.731		.156			4.185		.147		
	6.575		.312			4.038		.293		
	20.193	6.7310		1.378		12.554	4.1847		1.343	
	94.930					61.914				
	31.6433	31.6433				20.6380	20.6381			

F.B. 1360 P.G. 2-17

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 10:30 - 11:10 Rod No. 15-20

L.A. Co. Precise Level Net
Name
Job No. 6301.02
From BM 39-L To BM 39-E
Date 15 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	14.930					6.914				
6	7.211	3.6433	.145	1.372		3.204	2.6381	.151	1.343	
	7.066		.146			3.053		.150		
	6.920		.291			2.903		.301		
	21.197	7.0657		1.669		9.160	3.0533		1.644	
7	7.721		.176			4.186		.179		
	7.545		.175			4.067		.176		
	7.370		.351			3.831		.355		
	22.636	7.5453		2.020		12.024	4.0080		1.999	
8	4.983		.164			5.219		.170		
	4.819		.162			5.049		.170		
	4.657		.326			4.879		.340		
	14.459	4.8197		2.346		15.147	5.0490		2.339	
9	5.939		.145			4.675		.145		
	5.794		.145			4.530		.145		
	5.649		.290			4.385		.290		
	17.382	5.7940		2.636		13.590	4.5300		2.629	
10	6.640		.147			2.859		.140		
	6.493		.145			2.719		.140		
	6.348		.292			2.579		.280		
	19.481	6.4937		2.928		8.157	2.7190		2.909	
	190.085	63.3617				119.992	39.9974			
	63.3617					39.9973				

F.B. 1392 PG. 216

76P526-CE 379—10-57

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Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 10:30 - 11:10 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 39-6 To BM 39-7
Date 15 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings 190.085	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 119.992	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
11	6.801	63.3617	.143	2.928		3.685	39.9994	.134	2.909	Summation of Run
	6.658		.145			3.551		.134		From BM 39-6
	6.513		.288			3.417		.268		To BM 39-7
	19.972	6.6573		3.216		10.653	3.5510		3.177	
12	7.281		.140			3.928		.140		Total Backsights = +89.1550
	7.141		.138			3.788		.139		" Foresights = -58.3314
	7.003		.278			3.649		.279		diff elev = +30.8236
	21.425	7.1417		3.494		11.365	3.7883		3.456	
13	6.427		.132			4.636		.150		Backsight Stadia = 4.017
	6.295		.132			4.486		.147		Foresight Stadia = 3.992
	6.163		.264			4.339		.297		Total Stadia = 8.009
	18.885	6.2950		3.758		13.461	4.4870		3.753	= .51 mi.
14	5.829		.130			6.627		.119		BM 39-7
	5.699		.129			6.508		.120		Cypress St. and
	5.570		.259			6.388		.239		Bonnie Cove Ave
	17.098	5.6993		4.017	86°	19.523	6.5077		3.992	See F.B. 1360-13
	267.465 / 89.1550	89.1550				174.994 / 58.3313	58.3714			

F.B. 1391 P.G. 214

76P528-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather CLEAR Inst. No. 15066
Notes by C.G. VALDEZ Time 11:45 – 1:45 Rod No. 19820

Name LA Co Precise Level Net
Job No. 0301.02
From BM 39-7 To BM 39-L
Date Aug. 19, 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	6.361		119			6.300		130		BM 39-7
	6.242		120			6.170		130		Cypress St and Bonnie
	6.122		239			6.040		260		Cove Ave
	18.725	6.2417		.239	84°	18.510	6.1700		.260	See F.B. 1360-13
2	1.639		138			6.368		141		
	1.501		139			6.227		144		MALDONADO
	1.362		277			6.083		285		
	13.502	1.5007		.516		18.678	6.2260		.545	
3	3.615		144			6.999		136		
	3.531		140			6.863		133		
	3.391		284			6.730		269		
	10.597	3.5323		.800		20.592	6.8640		.814	
F.B. 1390 P.G. 220 4	3.500		136			6.179		140		
	3.364		133			6.339		140		
	3.231		269			6.199		280		
	10.095	3.3650		1.069	88°	19.017	6.3390		1.094	1 HOUR FOR LUNCH.
5	3.058		137			6.398		148		
	2.921		133			6.250		150		
	2.788		270			6.100		298		
	8.767	2.9223		1.339	88°	18.748	6.2493		1.392	
	61.686	20.5620				95.543	31.8483			
	20.5620					31.8483				

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather Sd Inst. No. 15066
Notes by C.G. VALDEZ Time 11:45 – 1:45 Rod No. 19820

Name L.A.C. Precise Level Net
Job No. 0301.02
From BM 39-7 To BM 39-6
Date Aug. 19, 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	21.682					96.545				
6	1.319	20.5620	158	1339		5.533	31.8483	134	1.392	
	1.191		154			5.399		131		
	1.037		312			5.268		265		
	12.577	1.1923		1.651		16 2 00	5.1000		1.657	
7	1.921		170			1.879		165		
	1.751		170			1.714		163		
	1.581		340			1.551		328		
	14.253	1.7510		1.991		14.144	1.7147		1.985	
8	4.079		176			7.429		177		
	3.903		175			7.252		173		
	3.728		351			7.079		350		
	11.710	3.9033		2.342		21.760	7.2533		2.335	
9	2.958		150			7.028		148		
	2.808		150			6.880		146		
	2.658		300			6.734		294		
	8.424	2.8080		2.692		20.642	6.8807		2.629	
10	4.009		180			6.436		126		
	3.829		180			6.310		122		
	3.649		360			6.188		248		
	11.487	3.8290		3.002		18.934	6.3113		2.877	
	120.137					187.225				
	40.0457	40.0456				62.4083	62.4083			

F.B. 590 P.G. 62

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather CLEAR & Sunny Inst. No. 15066
Notes by C.G. Calder Time 11:45 – 1:45 Rod No. 19 & 20

Name LA Co Precise Level Net
Job No. 0301.02
From BM 39-7 To BM 39-6
Date Aug. 19, 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings 120.137	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 184.425	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
11	4.094	40.0456	135	3.002		6.490	62.4083	151	2.877	summation of Run
	3.959		135			6.339		149		from BM 39-7
	3.824		270			6.190		300		To BM 39-6
	11.877	3.9590		3.272		19.019	6.3397		3.177	
12	4.212		133			5.909		140		Total Backsights = + 55.6326
	4.079		131			5.769		140		" Foresight = − 86.4560
	3.948		264			5.629		280		diff elev. = 30.823
	12.239	4.0797		3.536		17.307	5.7690		3.457	Σ −30.8234
13	3.591		124			6.481		160		Backsight Stadia = 3.997
	3.467		127			6.321		160		Foresight " = 3.997
	3.340		251			6.161		320		Total " = 7.994
	10.398	3.4660		3.787		18.963	6.3210		3.777	= .51 mi.
14	4.188		107			5.728		110		BM 39-6
	4.081		103			5.618		110		Cypress St. and Glendora Ave
	3.978		210			5.508		220		See F.B. 1360-12
	12.247	4.0823		3.997	84°	16.854	5.6180		3.997	

F.B. 1390 PG. 222

166.898 55.6326
55.6327

159.368 86.4560
86.4560

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks — Weather: Clear — Inst. No. 15066
Notes by: F. E. Brooks — Time: 11:20 - 11:45 — Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 39-7 To: BM 39-8
Date: 15 Aug 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	7.775 7.638 7.502	7.6383	.137 .136 .273	.273	86°	3.999 3.867 3.737	3.8677	.132 .130 .262	.262	BM 39-7 Cypress St. and Bonnie Cove Ave See F.B. 360-13
2	6.622 6.485 6.349	6.4853	.137 .136 .273	.546		3.858 3.722 3.588	3.7227	.136 .134 .270	.532	T Cook
3	6.123 5.950 5.775	5.9493	.173 .175 .348	.894		2.781 2.609 2.439	2.6097	.172 .170 .342	.314	
4	6.419 6.273 6.128	6.2733	.146 .145 .291	1.185		3.573 3.432 3.291	3.4320	.141 .141 .282	1.156	—
5	6.410 6.239 6.067	6.2387	.171 .172 .343	1.528		3.401 3.226 3.051	3.2260	.175 .175 .350	1.506	

97.755
32.5850 — 32.5849

50.574
16.8580 — 16.8561

F.B. 390 P.G. 22

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks Weather: Clear Inst. No. 15066
Notes by: F. E. Brooks Time: 11:20 - 11:7[illegible] Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM 39-7 To: BM 39-8
Date: 15 Aug 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	97.755					50.594				
6	6.259	32.5849	.148	1.528		4.707	16.6581	.146	1.506	
	6.111		.145			4.661		.144		
	6.916		.293			3.917		.290		
	18.336	6.1120		1.821		12.185	4.0617		1.796	
7	6.753		.134			4.008		.137		
	6.619		.137			3.871		.133		
	6.482		.271			3.738		.270		
	19.854	6.6180		2.092		11.617	3.8723		2.06[illegible]	
8	7.106		.139			4.106		.134		BM 39-8
	6.967		.140			3.972		.130		Cypress St. and Lyman
	6.827		.279			3.842		.264		Ave
	20.900	6.9667		2.371	92°	11.920	3.9733		2.330	See F.B. 1360-14
						Summation of Run from BM 39-7 to BM 39-8				Total Backsights = + 52.2816 " Foresights = − 28.7654 diff elev. = +23.5162
										Backsight stadia = 2.371 Foresight " = 2.330 Total " = 4.701 = .30 mi.
	156.845 52.2817	52.2816				86.296 28.7653	28.7654			

F.B. 1390 P.G. 224

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party FE Brooks Weather CLEAR Inst. No. 15066
Notes by C.G. VALDEZ Time 11:15 - 11:45 Rod No. 19 & 20

Name LA Co Precise Level Net
Job No. 0301.02
From BM 39-8 To BM 39-7
Date Aug. 19 - 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	3.626		135			6.561		139		BM 39-8
	3.491		132			6.422		140		Cypress St. and Lyman
	3.359		267			6.282		279		Ave
	10.476	3.4920		.267	84°	19.265	6.4217		.279	See F.B. 1360-14
2	3.981		133			6.429		139		
	3.848		137			6.290		139		T MALDONADO
	3.711		270			6.151		278		
	11.540	3.8467		.537		18.870	6.2900		.557	
3	3.596		145			6.499		147		
	3.451		141			6.352		144		
	3.310		286			6.208		291		
	10.357	3.4523		.823		19.059	6.3530		.848	
4	3.619		175			6.684		173		
	3.444		175			6.511		172		
	3.269		350			6.339		345		
	10.332	3.4440		1.173		19.534	6.5113		1.193	
5	3.471		140			5.823		144		
	3.331		140			5.679		148		
	3.191		280			5.531		292		
	9.993	3.3310		1.453		17.033	5.6777		1.485	
	52.698	17.5660				93.761	31.2537			
	17.5660					31.2537				

F.B. 1398 P.G. 225

76P526-CE 379—10-57

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F.E. Brooks Weather SUNNY & CLEAR Inst. No. 15066
Notes by C.G. VALDEZ Time 11:15 - 11:45 Rod No. 19420

Name LAC Precise Level Net
Job No. 0301.02
From BM 39-8 To BM 39-7
Date 14 Aug 1967
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	52.698					99.961				
6	2.370	17.5660	171	1.453		6231	31.2539	172	1.485	
	2.199		171			6059		169		
	2.028		342			5890		341		
	6.597	2.1990		1.795		18.180	6.0600		1.826	
7	3.675		137			5962		129		
	3538		139			5833		125		
	3399		276			5708		254		
	10.612	3.5373		2.071		17.503	5.8343		2.080	
8	3.251		129			6.932		133		BM 39-7
	3.122		130			6.799		137		Cypress St. and Bonnie
	2.992		259			6.662		270		Cove Ave
	9.365	3.1217		2.330		20.393	6.7977		2.350	See F.B. 1360-13
F.B. 1360 P.G. 22						summation of Bus From BM 39-8 To BM 39-7				Total Backsights = + 26.4240 " Foresights = - 49.9457 diff elev = - 23.5217
										Backsight stadia = 2.330' Foresight " = 2.350' Total " = 4.680' = .30 mi.
	79.272 26.4240	26.4240				149.839 49.9453	49.9457			

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 1:00 – 1:40 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 39-8 To BM 39-10A
Date 15 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	6.688		.140			4.703		.143		BM 39-8
	6.548		.143			4.560		.147		Cypress St. and Lyman
	6.405		.283			4.413		.290		Ave
	19.641	6.5470		283	92°	13.676	4.5587		.290	see F.B. 1360-14
2	6.640		.160			5.353		.151		
	6.480		.160			5.202		.149		π Cook
	6.320		.320			5.053		.300		
	19.440	6.4800		.603		15.608	5.2027		.590	
3	7.057		.153			3.656		.157		
	6.904		.156			3.499		.156		
	6.754		.303			3.343		.313		
	20.715	6.9050		.906		10.498	3.4993		.903	
4	5.841		.151			4.168		.153		
	5.690		.149			4.015		.155		
	5.541		.300			3.860		.308		
	17.072	5.6907		1.206		12.043	4.0143		1.211	
5	6.390		.171			4.282		.150		
	6.219		.171			4.132		.148		
	6.048		.342			3.984		.298		
	18.657	6.2190		1.548		12.398	4.1327		1.509	
	95.525	31.8417				64.223	21.4077			
	31.8417					21.4077				

F.B. 1394 P.G. 227

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks
Notes by: F. E. Brooks
Weather: Clear
Time: 1:00 – 1:40
Inst. No: 15066
Rod No: 19-20

Name: L.A. Co. Precise Level Net
Job No: 4301.02
From: BM 39-8 To: BM 39-10A
Date: 15 Aug 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	95.535					4.323				
6	6.090	31.8417	.145	1.548		4.370	2.4077	.155	1.509	
	5.945		.145			4.175		.155		
	5.800		.290			4.020		.310		
	17.835	5.9450		1.838		12.525	4.1750		1.819	
7	6.553		.146			4.302		.140		
	6.407		.144			4.162		.140		
	6.263		.290			4.022		.280		
	19.223	6.4077		2.128		12.486	4.1620		2.099	
8	6.427		.140			4.466		.143		
	6.287		.140			4.323		.140		
	6.147		.280			4.183		.283		
	18.861	6.2870		2.408		12.972	4.3240		2.382	
9	6.345		.145			5.031		.141		
	6.200		.147			4.890		.140		
	6.053		.292			4.750		.281		
	18.598	6.1993		2.700		14.171	4.8903		2.663	
10	6.329		.141			3.920		.142		
	6.238		.139			3.778		.142		
	6.099		.280			3.636		.284		
	18.716	6.2387		2.980		11.334	3.7780		2.947	
	186.458	62.9194				128.211	42.7370			
	62.9197					42.7370				

F.B. 1394 PG. 228

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 1:00 - 1:40 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 39-8 To BM 39-10A
Date 15 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	188.758					128.211				
11	6.210	62.9194	.155	2.980		3.282	42.7370	.144	2.947	Summation of Run
	6.055		.155			3.138		.147		From B.M. 39-8
	5.900		.310			2.99[illegible]		.291		To B.M. 39-10A
	18.165	6.0550		3.290		9.411	3.1370		3.238	
12	6.506		.133			3.710		.148		Total Backsights = + 90.3707
	6.373		.130			3.562		.150		Total Foresights = − 56.0859
	6.243		.263			3.412		.298		Diff. Elev. = + 34.2848
	19.122	6.3740		3.553		10.684	3.5613		3.536	
13	7.612		.158			2.101		.154		Backsight stadia = 4.249
	7.454		.155			1.947		.156		Foresight Stadia = 4.208
	7.299		.313			1.791		.310		Total Stadia = 8.457
	22.365	7.4550		3.866		5.839	1.9463		3.846	= .5[illegible] mi.
14	7.759		.192			4.885		.180		BM 39-10A
	7.567		.191			4.705		.182		Cypress St. and Bodillo St.
	7.376		.383			4.523		.362		
	22.702	7.5673		4.249	94°	14.113	4.7043		4.208	see F.B. 1360-26

271.112 90.3707
90.3707

168.256 56.0859
56.0860

F.B. 1398 P.G. 229

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

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

L.A. Co. Precise Level Net
Name:
Job No. 030102
From: BM 39-10A To: BM 39-8
Date: 16 Aug 1967
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	4.722 4.537 4.351	4.5367	.185 .186 .371	.371	96°	8.478 8.291 8.103	8.2907	.187 .188 .375	.375	BM 39-10A Cypress St. at Badillo St. See F.B. 1360-26
2	2.949 2.793 2.637	2.7930	.156 .156 .312	.683		7.042 6.887 6.730	6.8863	.155 .157 .312	.687	T Bottom
3	3.483 3.341 3.199	3.3410	.142 .142 .284	.967		7.328 7.189 7.050	7.1890	.139 .139 .278	.965	
4	3.623 3.477 3.331	3.4770	.146 .146 .292	1.259		6.517 6.363 6.209	6.3630	.154 .154 .308	1.273	
5	4.308 4.165 4.022	4.1650	.143 .143 .286	1.545		5.980 5.822 5.667	5.8230	.158 .155 .313	1.586	
	54.938 18.3127	18.3127				103.656 34.5520	34.5520			

F.B. 1390 P.G. 230

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

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

L.A. Co. Precise Level Net
Name:
Job No.: 0301.02
From: BM 39-10A To: BM 39-8
Date: 16 Aug 1963
Indexed: C. J. [redacted]

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
	54.938				✓	103.656				
6	4.255	18.3127	.152	1.545		6.435	34.5520	.145	1.586	
	4.103		.153			6.290		.145		
	3.950		.305			6.145		.290		
	12.308	4.1027		1.850		18.870	6.2900		1.876	
7	4.293		.144			6.351		.138		
	4.149		.142			6.213		.140		
	4.007		.286			6.073		.278		
	12.449	4.1497		2.136		18.637	6.2123		2.154	
8	4.418		.141			6.481		.148		
	4.277		.137			6.333		.144		
	4.140		.278			6.189		.292		
	12.835	4.2783		2.414		19.003	6.3343		2.446	
9	5.705		.122			6.803		.154		
	5.583		.120			6.649		.154		
	5.463		.242			6.495		.308		
	16.751	5.5837		2.656		19.947	6.6490		2.754	
10	4.127		.164			6.197		.154		
	3.963		.162			6.043		.156		
	3.795		.332			5.887		.310		
	11.885	3.9617		2.988		18.127	6.0423		3.064	
	121.166	40.3887				198.240	66.0799			
	40.3887					66.0800				

F.B. 1900 P.G. 271

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by E. E. Brooks Time 2:40-3:20 Rod No. 14-20

Name L.A. Co. Precise Level Net
Job No. 6301.02
From BM 39-10A To BM 39-8
Date 16 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	121.166					198.240				
11	4.402	40.3887	.167	2.988		6.217	66.0799	.140	3.064	Summation of Run
	4.235		.165			6.077		.138		From B.M. 39-10A
	4.070		.332			5.939		.278		To B.M. 39-8
	12.707	4.2357		3.320		18.233	6.0777		3.342	
12	3.672		.151			7.503		.154		Total Backsights = + 57.8282
	3.521		.154			7.349		.157		Total Foresights = − 92.1069
	3.367		.305			7.192		.311		Diff. Elev. = − 34.2787
	10.560	3.5200		3.625		22.044	7.3480		3.653	
13	4.885		.150			6.249		.162		Backsight stadia = 4.232
	4.735		.150			6.087		.162		Foresight Stadia = 4.275
	4.585		.300			5.925		.324		Total Stadia = 8.507
	14.205	4.7350		3.925		18.261	6.0870		3.977	= .54 mi.
14	5.102		.153			6.663		.148		BM 39-8
	4.949		.154			6.515		.150		Cypress Stat Lyman
	4.795		.307			6.365		.298		Ave
	14.846	4.9487		4.232	94°	19.543	6.5143		4.275	see F.B. 1360-14

F.B. 1390 P.G. 232

173.484 57.8282
57.8280

276.321 92.1069
92.1070

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by E. E. Brooks Time 1:50 - 2:00 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 39-10A To BM 39-10
Date 15 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	4.956 4.816 4.676 14.448	4.8160	.140 .140 .280	.280	94°	6.710 6.570 6.430 19.710	6.5700	.140 .140 .280	.280	BM 39-10A Cypress St. and Badillo St. See F.B. 1360-26
2	4.160 4.009 3.858 12.027	4.0090	.151 .151 .302	.582		6.393 6.243 6.092 18.728	6.2427	.150 .151 .301	.581	⊼ Cook Summation of Run From B.M. 39-10 A To B.M. 39-10
3	4.494 4.350 4.204 13.048	4.3493	.144 .146 .290	.872		4.679 4.529 4.381 13.589	4.5297	.150 .148 .298	.879	Total Backsights = + 26.8283 Total Foresights = − 24.4814 Diff. Elev. = + 2.3469
4	7.718 7.553 7.391 22.662	7.5540	.165 .162 .327	1.199		2.729 2.560 2.388 7.677	2.5590	.169 .172 .341	1.220	Backsight stadia = 1.395 Foresight Stadia = 1.410 Total Stadia = 2.805 = .18 m
5	6.198 6.100 6.002 18.300	6.1000	.098 .098 .196	1.395	96°	4.675 4.580 4.485 13.740	4.5800	.095 .095 .190	1.410	BM 39-10 Cypress St and Valley Center Ave See F.B. 1360-16

80.485 26.8283
26.8283

73.444 24.4814
24.4813

F.B. 1396 P.G. 277

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks Weather: Clear Inst. No. 15066
Notes by: F. E. Brooks Time: 2:25 – 2:40 Rod No. 19-26

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM 39-10 To: BM 39-10A
Date: 16 Aug 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	4.561 4.463 4.365		.098 .098 .196			5.967 5.863 5.761		.104 .102 .206		BM 39-10 Cypress St and Valley Center Ave See F.B. 1360-16
	13.389	4.4630		.196	98°	17.591	5.8637		.206	
2	2.847 2.681 2.515		.166 .166 .332			8.029 7.865 7.701		.164 .164 .328		T Bustrom Summation of Run From B.M. 39-10 To B.M. 39-10A
	8.043	2.6810		.523		23.595	7.8650		.534	
3	4.993 4.827 4.680		.146 .147 .293			4.143 3.997 3.850		.146 .147 .293		Total Backsights = + 24.6280 Total Foresights = – 26.9744 Diff. Elev. = – 2.3464
	14.480	4.8267		.821		11.990	3.9967		.827	
F.B. 1360 PG. 24 4	6.345 6.195 6.045		.150 .150 .300			4.228 4.077 3.925		.151 .152 .303		Backsight stadia = 1403 Foresight Stadia = 1404 Total Stadia = 2807 = 0.18 mi
	18.585	6.1950		1.121		12.230	4.0767		1.130	
5	6.603 6.463 6.321		.140 .142 .282			5.309 5.173 5.035		.136 .138 .274		BM 39-10A Cypress St. and Bartlett St. See F.B. 1360-26
	19.387	6.4623		1.403	92°	15.517	5.1723		1.404	

73.884 / 24.6280
24.6280

60.923 / 26.9744
26.9743

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Cloudy Inst. No. 15066
Notes by K. M. Karr Time 1:20 - 1:45 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 39-10 To BM 39-11
Date 8-7-63
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	5.330 5.182 5.038		148 144 292		19	6.084 5.934 5.784		150 150 300		BM 39-10 Cypress St. and Valley Center Ave See FB 1360-16
	15.550	5.1833		.292	76°	17.802	5.9340		.300	
2	4.436 4.289 4.142		147 147 294			2.421 2.272 2.123		149 149 298		T Valdez
	12.867	4.2890		.586		6.816	2.2720		.598	
3	8.651 8.581 8.510		070 071 141			1.498 1.427 1.354		071 073 144		
	25.742	8.5807		.727		4.279	1.4263		.742	
4	10.571 10.464 10.356		107 108 215			3.267 3.158 3.049		109 109 218		
	31.391	10.4637		.942		9.474	3.1580		.960	
5	7.653 7.532 7.413		121 119 240			2.728 2.608 2.486		120 122 242		
	22.598	7.5327		1.182		7.822	2.6073		1.202	
	108.148	36.0494				46.193	15.3976			

F.B. 1360 P.G. 23

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brook Weather Cloudy Inst. No. 5002
Notes by K. M. Kapp Time 1:20-1:45 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 39-10 To BM 39-11
Date 8-7-63
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	108 148					46.193				
6	8.901	36.0494	142	1.182		2.763	15.3976	149	1.202	
	8.759		141			2.619		146		
	8.618		283			2.473		290		
	26.278	8.7593		1.465		7.855	2.6183		1.492	
7	6.773		142			5.620		141		Summation of Run From B.M. 39-10 To B.M. 39-11
	6.631		141			5.479		141		
	6.490		283			5.338		282		
	19.894	6.6313		1.748		16.437	5.4790		1.774	
8	5.476		106			5.760		117		BM 39-11 Valley Center Ave. & Covina Blvd. See F.B. 1360-17
	5.370		107			5.643		114		
	5.263		213			5.529		231		
	16.109	5.3697		1.961	80°	16.932	5.6440		2.005	
										Total Backsights = + 56.8097
										Total Foresights = − 29.1389
										Diff. Elev. = +27.6708
										Backsight stadia = 1.961
										Foresight Stadia = 2.005
										Total Stadia = 3.966
										= .25 mi
	170.449					87.417				
	56.8097					29.1389				

F.B. 1390 PG. 23

76P526-CE 379—10-57

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 2:00 - 2:25 Rod No. 17520

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 39-11 To BM 39-10
Date 16 Aug 1967
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	5.207		.117			4.591		.111		BM 39-11
	5.090		.117			4.480		.110		Valley Center Ave. &
	4.973		.234			4.370		.221		Covina Blvd.
	15.270	5.0900		.234	96°	13.441	4.4803		.221	See F.B. 1360-17
2	4.751		.146			6.230		.143		
	4.605		.145			6.087		.144		T Bustrum
	4.460		.291			5.943		.287		
	13.816	4.6053		.525		18.260	6.0867		.508	
3	2.467		.146			8.763		.144		
	2.343		.147			8.619		.147		
	2.199		.290			8.472		.291		
	7.031	2.3437		.815		25.854	8.6180		.799	
4	2.145		.124			7.259		.124		
	2.021		.124			7.133		.122		
	1.897		.248			7.011		.246		
	6.063	2.0210		1.063		21.401	7.337		1.045	
5	3.367		.114			10.675		.110		
	3.253		.114			10.565		.107		
	3.139		.228			10.458		.217		
	9.759	3.2530		1.291		31.698	10.5660		1.212	
	51.939	17.3130				110.654	36.8847			
	17.3130					36.8847				

F.B. 1366 P.G. 277

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by E. E. Brooks Time 2:00 - 2:25 Rod No. 19520

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 39-11 To BM 39-10
Date 16 Aug 19
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5.939					10.654				
6	1.903	1.3130	.074	1.291		8.783	3.8847	.076	1.262	
	1.829		.074			8.707		.076		
	1.755		.148			8.631		.152		
	5.487	1.8290		1.439		26.121	5.7070		1.414	
7	2.261		.154			4.357		.150		Summation of Run
	2.107		.152			4.207		.150		From B.M. 39-11
	1.955		.306			4.057		.300		To B.M. 39-10
	6.323	2.1077		1.745		12.621	4.2070		1.714	
8	5.987		.152			5.105		.148		BM 39-10
	5.835		.150			4.957		.148		Cypress St. and Valley
	5.685		.302			4.809		.296		Center Ave
	17.507	5.8357		2.047	98°	14.871	4.9570		2.010	See F.B. 1360-16
F.B. 1396 P.G. 238										Total Backsights = + 27.0854
										Total Foresights = − 54.7557
										Diff. Elev. = − 27.6703
										Backsight stadia = 2.047
										Foresight Stadia = 2.010
										Total Stadia = 4.057
										= .26 mi.
	81.256	27.0854				164.267	54.7557			
	27.0853					54.7557				

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Overcast Inst. No. 15066
Notes by F. E. Brooks Time 1:40 - 2:05 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 39-11 To BM 39-12
Date 7 Aug. 1962
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	6.713 6.559 6.401 19.673	6.5577	.154 .158 .312	.312	80°	4.369 3.909 3.451 11.729	3.9097	.160 .158 .318	.318	BM 39-11 Valley Center Ave. and Covina Blvd. See F.B. 1360-17
2	7.440 7.292 7.148 21.880	7.2933	.148 .144 .292	.604		2.789 2.638 2.489 7.916	2.6387	.151 .149 .300	.618	π Valdez
3	6.876 6.729 6.582 20.187	6.7290	.147 .147 .294	.898		4.123 3.979 3.837 11.939	3.9797	.144 .142 .286	.904	
4	6.572 6.419 6.262 19.253	6.4177	.153 .157 .310	1.208		6.368 6.208 6.050 18.626	6.2087	.160 .158 .318	1.222	
5	4.978 4.841 4.703 14.522	4.8407	.137 .138 .275	1.483		6.035 5.906 5.777 17.718	5.9060	.129 .129 .258	1.480	
	95.515	31.8384				67.928	226.428			

F.B. 1290 P.G. 239

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather over cast Inst. No. 15066
Notes by F. E. Brooks Time 1:40 - 2:05 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 6301.02
From BM 39-11 To BM 39-12
Date 7 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	95.515					67.928				
6	5.010	31.8384	.160	1.483		5.319	25.2428	.160	1.480	
	4.850		.160			5.149		.160		
	4.690		.320			4.989		.320		
	14.550	4.8500		1.803		15.447	5.1490		1.800	
7	6.210		.091			5.561		.093		BM 39-12
	6.119		.090			5.468		.096		Valley Center Ave and
	6.029		.181			5.372		.189		Cienega Ave
	18.358	6.1193		1.984	82°	16.401	5.4670		1.989	See F.B. 1360-13
										Summation of Run From B.M. 39-11 To B.M. 39-12
										Total Backsights = + 42.8077 Total Foresights = − 33.2588 Diff. Elev. = + 9.5489
										Backsight stadia = 1.984 Foresight Stadia = 1.989 Total Stadia = 3.973 = .25 mi.
	128.423	42.8077				99.776	33.2588			

F.B. 1790 P.G. 240

.0085

76P526-CE 379--10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks Weather: Clear Inst. No.: 15066
Notes by: E. E. Brooks Time: 1:40 - 2:00 Rod No.: 19 20

Name: L.A. Co. Precise Level Net
Job No.: 0301 02
From: BM 39-12 To: BM 39-11
Date: 16 Aug 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	5.243 5.149 5.055		.094 .094 .188		78°	5.389 5.289 5.191		.100 .098 .198		BM 39-12 Valley Center Ave and Cienega Ave See F.B. 13[illegible]-18
	15.447	5.1490		.188		15.869	5.2897		.198	
2	4.648 4.485 4.323		.163 .162 .325			4.421 4.263 4.103		.158 .160 .318		T Bustrom
	13.456	4.4853		.513		12.787	4.2623		.516	
3	5.523 5.393 5.265		.130 .128 .258			4.761 4.613 4.469		.148 .144 .292		
	16.181	5.3937		.771		13.843	4.6143		.809	
4	5.989 5.823 5.659		.166 .164 .330			6.389 6.227 6.067		.162 .160 .322		
	17.471	5.8237		1.101		18.683	6.2277		1.130	
5	3.623 3.481 3.337		.142 .144 .286			6.281 6.133 5.987		.148 .146 .294		
	10.441	3.4803		1.387		18.401	6.1337		1.424	
	72.996 24.3320	24.3320				79.583 26.5277	26.5277			

F.B. 13[illegible] P.O. 241

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks — Weather: Clear — Inst. No. 15966
Notes by: F. E. Brooks — Time: 1:40 – 2:00 — Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301-03
From: BM 39-12 To: BM 39-11
Date: 16 Aug 1963
Indexed: G. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	79.996					79.583				
6	2.481	24.3320	.160	1.387		7.223	22.5277	.140	1.424	
	2.321		.158			7.083		.140		
	2.163		.318			6.943		.280		
	6.965	23.217		1.205		21.249	7.0930		1.704	
7	3.770		.157			6.357		.158		BM 39-11 Valley Pl. in Ave and Lar[illegible] Blvd. See F.B. 1[illegible]-17
	3.613		.160			6.199		.156		
	3.453		.317			6.043		.314		
	10.836	3.6120		2.022	96°	18.599	6.197		2.018	
										Summation of Run From B.M. 39-12 To B.M. 39-11
										Total Backsights = + 30.2657 Total Foresights = − 39.8104 Diff. Elev. = −9.5447
										Backsight stadia = 2.022 Foresight Stadia = 2.018 Total Stadia = 4.040 = .26 mi.
	90.797 30.2657	30.2657				119.431 39.8107	39.8104			

F.B. 379 Pg. 242

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Cloudy Inst. No. 15066
Notes by K. M. Kapp Time 2:10 – 2:30 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 39-12 To BM 39-13A
Date 8-7-63
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	6.138		141		19	3.982		163		BM 39-12
	5.997		144			3.819		166		Valley Center Ave and
	5.853		285			3.653		329		Cienega Ave
	17.988	5.9960		.285	82°	11.454	3.8180		.329	See F.B. 1360-12
2	7.293		151			3.640		137		
	7.142		151			3.503		134		π Valdez
	6.991		302			3.369		271		
	21.426	7.1420		.587		10.512	3.5040		.600	
3	7.532		152			4.103		153		
	7.380		153			3.950		151		
	7.227		305			3.799		304		
	22.139	7.3797		.892		11.852	3.9507		.904	
4	6.646		143			4.448		141		
	6.503		139			4.307		145		
	6.364		282			4.162		286		
	19.513	6.5043		1.174		12.917	4.3057		1.190	
5	6.683		146			4.449		147		
	6.537		148			4.302		149		
	6.389		294			4.153		296		
	19.609	6.5363		1.468		12.904	4.3013		1.486	
	100.675	33.5583				59.639	19.8797			
	33.5583					49.8797				

F.B. 1340 P.G. 243

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Cloudy Inst. No. 15066
Notes by K. M. Kapp Time 2:10 – 2:30 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 39-12 To BM 39-13A
Date 8-7-63
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	100.675					59.139				
	6.347	33.5583	151	1.468		4.002	19.8797	150	1.486	
	6.196		147			3.852		150		
6	6.049		298			3.702		300		
	18.592	6.1973		1.766		11.556	3.8520		1.786	
	6.388		106			5.322		095		BM 39-13A (Glendora H-12)
	6.282		104			5.227		098		Valley Center Ave. &
7	6.178		210			5.129		193		Arrow Hwy.
	18848	6.2827		1.976	84°	15.678	5.2260		1.979	See F.B. 1360-25
										Summation of Run From B.M. 39-12 To B.M. 39-13A
										Total Backsights = + 46.0383 Total Foresights = – 28.9577 Diff. Elev. = +17.0806
										Backsight stadia = 1.976 Foresight Stadia = 1.979 Total Stadia = 3.955 = .25 mi. 0085
	138.115 46.0383	46.0383				86.872 28.9577	28.9577			

F.B. 1790 P.G. 244

✓ [illegible]

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 1:15 - 1:35 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 39-13A To BM 39-12
Date 16 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	5.022 4.911 4.800		.111 .111 .222		98°	6.272 6.167 6.061		.105 .106 .211		BM 39-13A (Glendale 4-12) Valley Center Ave and Arrow Hwy See F.B. 1360-35
	14.733	4.9110		.222		18.500	6.1667		.211	
2	3.821 3.667 3.513		.154 .154 .308			6.441 6.292 6.147		.149 .145 .294		⊼ Bustrum
	11.001	3.6670		.530		18.880	6.2933		.505	
3	4.215 4.068 3.922		.147 .146 .293			6.443 6.291 6.143		.152 .148 .300		
	12.205	4.0683		.823		18.877	6.2923		.805	
4	3.961 3.820 3.681		.141 .139 .280			6.161 6.019 5.877		.142 .142 .284		
	11.462	3.8207		.1103		18.057	6.0190		.1089	
5	3.745 3.593 3.441		.152 .152 .304			6.588 6.435 6.283		.153 .152 .305		
	10.779	3.5930		1.407		19.306	6.4353		1.394	
	60.180 20.0600	20.0600				93.620 31.2067	31.2066			

F.B. 1390 P.G. 45

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks — Weather: Clear — Inst. No. 15266
Notes by: F. E. Brooks — Time: 1:15 - 1:35 — Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 6301.02
From: BM 39-12A To: BM 39-12
Date: 16 Aug 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings 20.180	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 23.620	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	3.021	20.0600	.148	1.407		6.790	21.2066	.140	1.394	
	2.873		.148			6.650		.141		
	2.725		.296			6.509		.281		
	8.619	28.930		1.703		19.949	6.497		1.675	
7	3.513		.164			5.651		.143		BM 39-12
	3.349		.164			5.508		.141		Valley Center Ave. and
	3.185		.328			5.367		.284		Cienega Ave
	10.047	3.3490		2.031	98°	16.526	5.5087		1.959	See F.B. 1310-18
										Summation of Run From B.M. 39-12A To B.M. 39-12
F.B. 139 P.G. 246										Total Backsights = + 26.2820 Total Foresights = − 43.3650 Diff. Elev. = − 17.0730
										Backsight stadia = 2.031 Foresight Stadia = 1.959 Total Stadia = 3.990 = .25 mi.
	78.846 26.2820	26.2820				130.095 43.3650	43.3650			

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks Weather: Clear Inst. No. 15066
Notes by: F. E. Brooks Time: 2:40 - 2:25 Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No.: 6361.02
From: BM 39-13A To: BM 1-39A
Date: 15 Aug 1961
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	6.537		.100			4.755		.117		BM 39-13 A
	6.437		.100			4.639		.119		Valley Center Ave and
	6.337		.200			4.519		.236		Arrow Hwy
	19.311	6.6370		.200	96°	13.912	4.6373		.236	See FB 1360-25
2	6.391		.143			4.111		.142		
	6.248		.141			3.969		.142		T Cook
	6.107		.284			3.827		.284		
	18.746	6.2497		.484		11.907	3.9690		.520	
3	7.013		.169			3.964		.132		
	6.950		.169			3.832		.134		
	6.681		.338			3.698		.266		
	20.550	6.8500		.822		11.494	3.8313		.786	
4	6.768		.160			4.564		.146		
	6.608		.160			4.418		.144		
	6.448		.320			4.274		.290		
	19.824	6.6080		1.142		13.256	4.4187		1.076	
5	6.662		.134			4.443		.165		
	6.528		.136			4.278		.166		
	6.392		.270			4.112		.331		
	19.582	6.5273		1.412		12.833	4.2777		1.407	
	98.013	32.6710				63.402	21.1340			
	32.6710					21.1340				

F.B. 1390 P.G. 22

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Clear Inst. No. 15066
Notes by: E. E. Brooks Time: 2:40-3:20 Rod No. 1920

Name: L.A. Co. Precise Level Net
Job No. 0201.02
From: BM 39-13A To: BM 11-39A
Date: 15 Aug 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings (BR: 0.13)	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings (13.402)	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	5.702	32.4710	.160	1.412		4.701	21.1340	.161	1.407	
	5.542		.159			4.540		.162		
	5.383		.319			4.378		.323		
	16.627	5.5423		1.731		13.619	4.5397		1.730	
7	6.172		.152			5.939		.158		
	6.020		.152			5.684		.154		
	5.868		.304			5.530		.312		
	18.060	6.0200		2.035		17.053	5.6843		2.042	
8	6.952		.157			4.387		.153		
	6.795		.156			4.234		.153		
	6.637		.313			4.081		.306		
	20.384	6.7947		2.350		12.702	4.2340		2.348	
9	6.321		.153			4.859		.156		
	6.168		.153			4.703		.155		
	6.015		.306			4.548		.311		
	18.504	6.1680		2.656		14.110	4.7033		2.659	
10	6.807		.146			5.471		.150		
	6.661		.143			5.321		.150		
	6.518		.289			5.171		.300		
	19.986	6.6620		2.945		15.963	5.3210		2.959	
	191.574	63.8580				136.849	45.6163			
	63.8580					45.6163				

F.B. 1390 P.G. 248

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by E. E. Brooks Time 2:40 - 3:25 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 39-13A To BM 11-39A
Date 15 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings 131.574	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings 136.849	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
11	5.818 5.660 5.501 16.979	63.8580 5.6597	.158 .159 .317	2.945 3.262		5.258 5.100 4.942 15.300	45.6163 5.1000	.158 .158 .316	2.959 3.275	Summation of Run From B.M. 39-13A To B.M. 11-39A
12	5.465 5.324 5.185 15.974	5.3247	.141 .139 .280	3.542		5.051 4.908 4.763 14.722	4.9073	.143 .145 .288	3.563	Total Backsights = + 85.7047 Total Foresights = − 65.7442 Diff. Elev. = +19.9605
13	6.240 6.120 6.000 18.360	6.1200	.120 .120 .240	3.782		4.283 4.162 4.042 12.487	4.1623	.121 .120 .241	3.804	Backsight stadia = 3.971 Foresight Stadia = 3.996 Total Stadia = 7.967 = .50 mi. .0120
14	4.837 4.742 4.648 14.227	4.7423	.095 .094 .189	3.971	96°	6.054 5.959 5.862 17.875	5.9583	.095 .097 .192	3.996	BM 11-39A (Glendora H-11) Valley Center Ave and Gladstone St. See F.B. 1370-37

257.114 85.7047
85.7047

197.233 65.7442
65.7443

F.B. 1390 P.G. 249

76P526-CE 379—10-57

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brown Weather: Clear Inst. No. 15066
Notes by: E. E. Brown Time: 11:25 - 12:05 Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0701.02
From: BM 11-39A To: BM 39-13A
Date: 16 Aug 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	6.272		.099			5.395		.104		BM 11-39A (Glendora H-11 Valley Center Ave and Gladstone St.
	6.173		.098			5.291		.101		
	6.075		.197			5.190		.205		
	18.520	6.1733		.197	90°	15.876	5.2920		.205	See F.B. 1376-37
2	3.849		.107			5.675		.118		T Bustrum
	3.742		.107			5.557		.120		
	3.635		.214			5.437		.238		
	11.226	3.7420		.411		16.669	5.5563		.443	
3	4.613		.144			4.965		.140		
	4.469		.144			4.825		.140		
	4.325		.288			4.685		.280		
	13.407	4.4690		.699		14.475	4.8250		.723	
F.B. 1394 P.G. 250 4	4.483		.160			5.077		.145		
	4.323		.158			4.932		.143		
	4.165		.318			4.789		.288		
	12.971	4.3237		.1017		14.798	4.9327		1.011	
5	4.628		.155			5.503		.148		
	4.473		.155			5.355		.147		
	4.318		.310			5.208		.295		
	13.419	4.4730		1.327		16.066	5.3553		1.306	
	69.543	23.1810				77.884	25.9613			
	23.1810					25.9613				

76P526-CE 379—10-57

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks Weather: Clear Inst. No. 15066
Notes by: F. E. Brooks Time: 11:25 - 12:05 Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM 11-39A To: BM 39-13A
Date: 16 Aug 1962
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	69.543					77.884				
6	3.813	23.1810	.153	1.327		5.982	25.9613	.155	1.306	
	3.660		.155			5.827		.157		
	3.505		.308			5.670		.312		
	10.978	3.6593		1.635		17.479	5.8263		1.618	
7	3.941		.154			6.857		.154		
	3.787		.154			6.703		.156		
	3.633		.308			6.547		.310		
	11.361	3.7870		1.943		20.107	6.7023		1.928	
8	6.125		.156			5.652		.153		
	5.969		.152			5.499		.154		
	5.817		.308			5.345		.307		
	17.911	5.9703		2.251		16.496	5.4987		2.235	
9	4.567		.162			5.752		.157		
	4.405		.162			5.595		.158		
	4.243		.324			5.437		.315		
	13.215	4.4050		1.575		16.784	5.5947		1.550	
10	4.335		.154			6.722		.149		
	4.181		.156			6.573		.150		
	4.025		.310			6.423		.299		
	12.541	4.1803		2.885		19.718	6.5727		1.849	
	135.549	45.1829				168.468	56.1560			
	45.1830					56.1560				

F.B. 1390 P.G. 1371

76P526-CE 379—10-57

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks — Weather: Clear — Inst. No.: 15066
Notes by: F. E. Brooks — Time: 11:25-12:05 — Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0501.02
From: BM 11-39A To: BM 39-13A
Date: 16 Aug 1963
Indexed: C. J. GALTI

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
	35.549					28.468			
	4.129	15.1829	.146	2.885		6.525	6.1560	.162	2.849
	3.983		.142			6.363		.160	
11	3.841		.288			6.203		.322	
	11.953	3.9843		3.173		19.091	6.3637		3.171
	4.105		.144			7.143		.160	
	3.961		.146			6.983		.158	
12	3.815		.290			6.825		.318	
	11.881	3.9603		3.463		20.951	6.9837		3.489
	4.241		.140			6.491		.142	
	4.101		.139			6.349		.146	
13	3.962		.279			6.203		.288	
	12.304	4.1013		3.942		19.043	6.3477		3.777
	6.301		.130			6.619		.102	
	5.171		.129			6.515		.102	
14	5.042		.159			6.413		.204	
	15.514	5.1713		3.901	98°	19.545	6.5150		3.981
	187.201		62.4001			247.098		82.3661	
	62.4003					82.3660			

DESCRIPTION AND REMARKS

Summation of Run
From B.M. 11-39A
To B.M. 39-13A

Total Backsights = + 62.4001
Total Foresights = − 82.3661
Diff. Elev. = −19.9660

Backsight stadia = 3.901
Foresight Stadia = 3.981
Total Stadia = 7.882
= .5 mi.

BM 39-13A
Valley Center Ave and Arrow Hwy.
See F.B. 1360-25

F.B. 1390 P.G. 25

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Clear Inst. No. 15066
Notes by: E. E. Brooks Time: 10:00 - 10:40 Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 6301.02
From: BM 11-39A To: BM 11-38
Date: 16 Aug 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5.741		.116			6.062		.119		BM 11-39A (Glendale H-11)
	5.625		.115			5.943		.116		Valley Center Ave on
1	5.510		.231			5.827		.235		Gladstone St.
	6.976	5.6253		.231	86°	17.832	5.9440		.235	See F.B. 1376-34
	4.265		.170			6.522		.165		
	4.095		.168			6.357		.165		π Bustrum
2	3.927		.338			6.192		.330		
	12.287	4.0957		.569		19.071	6.3570		.565	
	4.223		.146			6.862		.151		
	4.077		.148			6.711		.148		
3	3.929		.294			6.563		.299		
	12.229	4.0763		.863		20.136	6.7120		.864	
	3.123		.190			7.421		.184		
	2.933		.188			7.237		.184		
4	2.745		.378			7.053		.368		
	8.801	2.9337		.1241		21.711	7.2370		.1232	
	3.862		.145			6.841		.148		
	3.717		.148			6.693		.146		
5	3.569		.193			6.547		.294		
	11.148	3.7160		.1534		20.081	6.6937		.1526	
	61.341	20.4470				98.831	32.9437			

F.B. 1390 P.G. 253

76P526-CE 379—10-57

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 10:00 – [illegible] Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 2301.02
From B.M. 11-39A To B.M. 11-39
Date 12 Aug 1963
Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6.341					8.831				
	4.025	20.4470	.145	1.534		6.597	[illegible]	.148	1.526	
	3.880		.145			6.449		.146		
6	3.735		.290			6.303		.294		
	11.640	3.8800		1.824		19.349	6.4497		1.820	
	4.153		.143			6.670		.145		
	4.010		.141			6.525		.144		
7	3.869		.284			6.381		.289		
	12.032	4.0107		2.108		19.576	6.5253		2.109	
	4.153		.148			6.725		.150		
	4.005		.146			6.575		.150		
8	3.859		.294			6.425		.300		
	12.017	4.0057		2.402		19.725	6.5750		2.409	
	3.573		.133			6.049		.140		
	3.440		.137			5.909		.140		
9	3.303		.270			5.769		.280		
	10.316	3.4387		2.672		17.727	5.9090		2.689	
	3.230		.159			5.989		.164		
	3.071		.159			5.825		.160		
10	2.912		.318			5.665		.324		
	9.213	3.0710		2.990		17.479	5.8263		3.013	
	116.559	38.8531				192.687	64.2290			

F.B. 1392 PG. 154

76P526-CE 379—10-57

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks Weather: Clear Inst. No. 15066
Notes by: F. E. Brooks Time: 10:00 - 10:40 Rod No. 19 - 20

L.A. Co. Precise Level No.
Name:
Job No. 0301.02
From BM 11-39A To BM 11-38
Date: 16 Aug 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	11.6559					12.687				
	3.247	3.8531	.144	2.990		5.823	6.2290	.140	3.013	
	3.103		.141			5.683		.138		
11	2.962		.285			5.545		.278		
	9.312	3.1040		3.275		17.051	5.6837		3.291	
	3.143		.132			5.735		.128		
	3.011		.131			5.607		.129		
12	2.880		.263			5.478		.257		
	9.034	3.0113		3.538		16.820	5.6067		3.548	
	3.701		.079			5.957		.074		BM 11-38
	3.622		.079			5.883		.075		Gladstone St. near
13	3.543		.158			5.808		.149		Sunflower Ave
	10.866	3.6220		3.696	86°	17.648	5.8827		3.697	See F.B. 1376-36
						Summation of Run ~~From B.M.~~ 11-39A To B.M. 11-38				Total Backsights = + 48.5904 Total Foresights = − 81.4021 Diff. Elev. = + 32.8117
										Backsight stadia = 3.696 Foresight Stadia = 3.697 Total Stadia = 7.393 = .4%
	145.771	48.5904				244.206	81.4021			.0112

F.B. 390 P.G. 255

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Clear Inst. No. 15066
Notes by: E. E. Brooks Time: 10:45 - 11:20 Rod No. 12-20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM 11-38 To: BM 11-391
Date: 16 Aug 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	5.909 5.833 5.760		.076 .073 .149			4.508 4.429 4.351		.079 .078 .157		BM 11-38 Gladstone St. near Sunflower Ave See FB. 1376-36
	17.502	5.8340		.149	86°	13.288	4.4293		.157	
2	6.970 6.841 6.710		.129 .131 .260			4.211 4.081 3.949		.130 .132 .262		T Bustrum
	20.521	6.8403		.409		12.241	4.0803		.419	
3	7.003 6.861 6.720		.142 .141 .283			4.465 4.323 4.181		.142 .142 .284		
	20.584	6.8613		.692		12.969	4.3230		.703	
4	7.109 6.943 6.781		.166 .162 .328			4.240 4.081 3.925		.159 .156 .315		
	20.833	6.9443		1.020		12.246	4.0820		1.018	
5	6.775 6.633 6.491		.142 .142 .284			4.590 4.453 4.319		.137 .134 .271		
	19.899	6.6330		1.304		13.362	4.4540		1.289	
	99.339	33.1129				64.106	21.3686			

F.B. 1392 PG. 25

76P526-CE 379—10-57

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

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

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM 11-38 To: B.M. 11-39A
Date: 16 Aug 1963
Indexed: C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6.339					6.102				
6	6.491	33.1129	.148	1.304		4.195	21.3686	.146	1.289	
	6.343		.150			4.049		.147		
	6.193		.298			3.902		.293		
	19.027	6.3423		1.602		12.146	4.0487		1.582	
7	7.157		.148			4.717		.144		
	7.009		.144			4.573		.142		
	6.865		.292			4.431		.286		
	21.031	7.0103		1.894		13.721	4.5737		1.816	
8	7.181		.146			4.610		.147		
	7.035		.146			4.463		.148		
	6.889		.292			4.315		.295		
	21.105	7.0350		2.186		13.388	4.4627		2.163	
9	7.285		.148			4.260		.148		
	7.137		.148			4.112		.145		
	6.989		.296			3.967		.293		
	21.411	7.1370		2.482		12.339	4.1130		2.456	
10	7.787		.184			3.408		.181		
	7.603		.188			3.227		.178		
	7.415		.372			3.049		.359		
	22.805	7.6017		2.854		9.684	3.2280		2.815	
	204.718	68.2392				125.384	41.7947			

F.B. 74 P.G. 257

76P52 [illegible] -87

70 [illegible]

Chief of Party _____ Weather Clear Inst. No. 15066

Notes by E. E. Brooks Time 10:45 - 11:20 Rod No. 19-20

L.A. Co. Precise Level No.

Name _____

Job No. 0301.02

From BM 11-38 To BM 11-39A

Date 16 Aug 1963

Indexed C. J. GALLI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	20.4718					125.384				
11	6.723	6.82392	.144	2.854		3.769	41.7947	.156	2.815	
	6.579		.147			3.613		.136		
	6.432		.291			3.457		.312		
	19.734	6.5780		3.145		10.839	3.6130		3.127	
12	6.289		.162			4.829		.169		
	6.627		.164			4.660		.172		
	6.463		.326			4.488		.341		
	19.879	6.6263		3.471		13.977	4.6590		3.468	
13	6.199		.116			4.763		.108		BM 11-39 A
	6.083		.118			4.655		.106		Gladstone St. and Valley
	5.965		.234			4.549		.214		Center Ave
	18.247	6.0823		3.705	90°	13.967	4.6557		3.682	See F.B. 1376-37
	262.578	87.5258				164.167	54.7224			

F.B. 1390 P.G. 258

Summation of Run
From B.M. 11-38
To B.M. 11-39A

Total Backsights = + 87.5258
Total Foresights = − 54.7224
Diff. Elev. = + 32.8034

Backsight stadia = 3.705
Foresight Stadia = 3.682
Total Stadia = 7.387
= .47 mi.

.015