Notes Ck'd by
Map No.
Office Work
Checked
Date

Surveyed
JN
Surveyed
Notes
Indexed

FIELD N

F. B. 1349 Pg. 6 INDEX

INSTRUMENTS	PAGE
SOKKISHA 15 (UMECO AL-12) & ZIESS NI2	7
HILGER & WATTS AUTOSET & ZIESS NI2	47

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

Do not extend this side of this line.

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

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party A. C. GUIZADO Weather ..... Inst. No. .....
Notes by ..... Time ..... Rod No. .....

Name L.A. Co. PRECISE LEVEL NET
Job No. 0301.02
From ..... To .....
Date MAY 1960
Indexed ..... MAR 1 5 '61

Number of Station	BACKSIGHT				B. S. Rod and Temp.	FORESIGHT			
	Thread Readings	Mean	Thread Intervals	Sum of Intervals		Thread Readings	Mean	Thread Intervals	Sum of Intervals

DESCRIPTION AND REMARKS

JOB NO 0301.02
FIELD COMPARISON TEST
WITH INSTRUMENTS
SOKKISHA (15) TOYKO #30469 (AL2)
& ZEISS (NI 2) #15066

F.B. 1349 PG. 7

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name.....
Job No. .....
From..... To.....
Date .....
Indexed..... H. E. Ott

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. 1349 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 A C Guizado Weather Clear & windy Inst. No. Tokyo 30469
Notes by A.C.G. Time 11:15 To 12:10 Rod No. 23824

Name L.A.Co. Precise Level Net
Job No. 0301.02
From BM 21-59 To BM 22-16A
Date 5-20-60
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	4661		748		23	8167		745		BM 21-59
	3913		744			7422		742		Hawthorne Blvd & Pac Cst Hwy
	3169		1492			6680		1487		See FB 139 for desc.
	11743	3914		149.2	T=80	22269	7423		148.7	
2	2723		742			9068		741		
	1981		741			8327		742		↑ A.L. Goble
	1240		1483			7585		148.3		
	5944	1.981		297.5		24980	8327		297.0	
3	2396		745			8084		747		
	1651		743			7337		751		
	0908		1488			6586		1498		
	4955	1.652		446.3		22007	7336		446.8	
4	4303		741			5587		745		
	3562		740			4842		741		
	2822		1481			4101		1486		
	10687	3562		594.4		14530	4843		595.4	
5	5580		742			4812		748		
	4838		741			4067		745		
	4097		1483			3322		1490		
	14515	4838		742.7		12201	4067		744.4	
		15947					31996			

F.B. 1349 PG. 9

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party A.C. Guizado Weather Clear & Warm Inst. No. Tokyo 30469
Notes by A.C.G. Time 11:15 to 12:10 Rod No. 23 & 24

Name L.A. Co Precise Level Net
Job No. 0301.02
From BM 21-59 To 22-16A
Date 5-18-60
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	3931	15947	740	7427	23	5460	31996	743	7444	
	3191		742			4717		742		
	2449		1482			3975		1485		
6	9571	3190		8909	80	14152	4717		8929	
	5163		749			5486		737		
	4414		747			4749		737		
	3667		1496			4012		1474		Summation of E. Run
7	13244	4415		10405		14247	4749		10403	BM 21-59 to 22-16A
	5961		790			5980		749		Total Backsights +28.723
	5171		789			5231		749		" Foresights -46.693
	4382		1579			4482		1498		Diff/Elev = -17.970
8	15514	5171		11984		15693	5231		11901	
		28723					46693		11984 / 23883	BM 22-16A
										Hawthorne Blvd & 236th St
										See FB 1395-130 for desc

F.B. 1949 PG. 10

769420 S & E-353 4-54

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

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

Do not extend notes this side of this line

NOTES RED _____ JOB NO. 0301.02 SURVEY OF L.A. Co. Precise Level Net.
DATE _____ SURVEY BY A. C. GUIZADO
NOTES CHKD _____ NOTES BY T.O.
DATE _____ INDEXED H. E. ORT DATE 5-20-60
DATE _____

F. B. 1349 Pg. 11

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.
BM 22-16A					
+	5.309		5.206	5.325	
⊼		+0.427	+0.433	0.428	
−	4.882		4.773	4.897	
T.P.					
+	4.521		4.356		
⊼		+0.257	0.255		
−	4.264		4.101		
T.P.					
+	4.383		4.242		
⊼		+1.005	1.007		
−	3.378		3.235		
T.P.					
+	4.143		4.501		
⊼		-0.438	-0.438		
−	5.181		4.939		
T.P.					
+	5.088		4.985		
⊼		+1.003	1.001		
−	4.085		3.984		
T.P.					
+	7.674		7.491		
⊼		+5.644	5.643		
−	2.030		1.848		
T.P.					
+	8.655		8.488	8.371	
⊼		+6.358	6.366	6.362	
−	2.297		2.122	2.009	
T.P.					
CONT.					

DESCRIPTION

BM 22-16A TO BM. 21-59

B.M. 22-16A.
HAWTHORNE BLVD & 236th St
SEE F.B. 1395-130 FOR DESC.

⊼ A.L. GOBLE
TOKYO #30469

STARTING TIME 2:10 P.M.
ENDING " 2:55 P.M.

WEATHER: WINDY & CLEAR

768420 S & E-353 4-54

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

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION B.M. 22-16A TO B.M. 21-59
T.P.						
+	7.882		7.716	7.692		
⊼		+3.711	3.704	3.708		
−	4.171		4.012	3.984		
B.M. 21-59						B.M. 21-59
						HAWTHORNE BLVD & PACIFIC COAST HWY
						SEE F.B. FOR DESC.
						SUMMATION OF RUN
						B.M. 22-16A TO B.M. 21-59
						TOTAL BACKSIGHT + 47.922
						TOTAL FORESIGHT − 29.954
						DIFF. / ELEV. 17.968

JOB NO. 0301.02 SURVEY OF L.A. Co. PRECISE LEVEL NET NOTES RED
SURVEY BY A.C. GUIZADO DATE
NOTES BY T.O. DATE 5-20-60 NOTES CHKD.
INDEXED H. S. OTT DATE DATE

F. B. 1349 PG. 12

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party A.C. GUIZADO Weather CLEAR & COOL Inst. No. 30469
Notes by C.G. VALDEZ Time 9:05 TO 9:20 Rod No. 23 & 24

Name L.A.Co. PRECISE LEVEL NET.
Job No. 0301.02
From B.M. 21-59 To B.M. 22-16A
Date 5-24-60
Indexed H.E.

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.960		.746			8.671		.746		B.M. 21-59
	4.214		.743			7.925		.743		PACIFIC COAST HWY. & HAWTHORNE BLVD.
	3.471		1489			7.182		1489		SEE F.B. FOR DESC.
1.	12.645	4.215		1489		23.778	7.926		1489	
	3.221		.746			9.582		.742		
	2.475		.745			8.840		.740		⊼ R. GLIDDEN.
	1.730		1491			8.100		1482		TOKYO #30469
2.	7.426	2.475		2980		26.522	8.841		2971	
	3.084		.742			8.730		.742		
	2.342		.742			7.988		.741		
	1.600		1484			7.247		1483		
3.	7.026	2.342		4464		23.965	7.988		4454	
	5.011		.744			6.011		.743		
	4.267		.744			5.268		.746		
	3.523		1488			4.522		1489		
4.	12.804	4.267		5952		15.801	5.267		5943	
	6.155		.745			5.711		.741		
	5.410		.746			4.970		.740		
	4.664		1491			4.230		1481		
5.	16.229	5.409		7443		14.911	4.970		7424	

F.B. 1969 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 A.C. GUIZADO Weather CLEAR & COOL Inst. No. 30469
Notes by C.G. VALDEZ Time 9.05 TO 9.40 Rod No. 23&24

Name L.A.CO. PRECISE LEVEL NET.
Job No. 0301.02
From B.M. 22-59 To B.M. 22-16A
Date 5-24-60
Indexed H.E.OM

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.290		.742	7443		5.298		.747	7424	
	3.548		.746			4.551		.745		
	2.802		1488			3.808		1492		
6	10.640	3547		8931		13.657	4552		8916	
	5.362		.744			5.613		.741		
	4.618		.748			4.872		.740		
	3.870		1492			4.132		1481		
7	13.850	4617		10423		14.617	4872		10397	
	5.888		.767			6.323		.774		
	5.121		.770			5.549		.774		Summation of Run.
	4.351		1537			4.775		1548		TOTAL BACKSIGHTS = +31.992
8	15.360	5120		11960		16.647	5.549		11945	" FORESIGHTS = -49.965
									11960	-17.973
									23905	
										B.M. 22-16A
										HAWTHORNE BLVD. & 236th ST.
										SEE FB 1395-130 FOR DESC.

F.B. 349 PG. 122

765420 S & E-353 4-54

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

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION B.M. 22-16A TO B.M. 21-59
B.M. 22-16A						B.M. 22-16A
+	5.495		5.472			HAWTHORNE BLVD. &
⊼		+ 427	.427			SEE F.B. FOR DESC.
−	5.068		5.045			
T.P.						
+	4.821		4.828	4.785		
⊼		+.261	.258	.257		
−	4.562		4.570	4.528		
T.P.						⊼ R. GILDEN
+	4.550		4.570			TOKYO # 30469
⊼		+1.000	.999			CLEAR & WINDY (GUSTY)
−	3.550		3.571			
T.P.						RUN STARTED 11:43
+	4.628		4.581			" FINNISHED 12.16
⊼		−.435	.439			
−	5.063		5.020			
T.P.						
+	5.272		5.240	5.204		
⊼		+.991	1.005	1.003		
−	4.281		4.235	4.201		
T.P.						
+	7.830		7.811			
⊼		+5.642	5.643			
−	2.188		2.168			
T.P.						
+	8.760		8.739	8.728		
⊼		+6.359	6.364	6.365		
−	2.401		2.375	2.363		
T.P.						
CONT.						

NOTES RED _____ JOB NO. 0301.02 SURVEY OF H.C. PRECISE LEVEL NET
DATE _____ SURVEY BY A. C. GALLARDO
NOTES CHKD. _____ NOTES BY C. G. VALDEZ DATE 5-24-60
DATE _____ INDEXED H. E. OTT DATE _____

F.B. 1349 Pg. 15

76S420 S & E-353 4-54

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

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.						
+	7.967		7.929			SUMMATION OF RUN
⊼		+3.707	3.708			TOTAL BACKSIGHTS = +18.407
−	4.260		4.221			" FORESIGHTS = − .437
21-59						−17.980
						BM 21-59
						HANTHORNE AVE & PAC CST HWY
						SEE FB137 FOR DESC

JOB NO. 0301.02 SURVEY OF L.A. Co. PRECISE LEVEL NET NOTES RED.
SURVEY BY A.C. GUIZADO DATE
NOTES BY C.G. VALDEZ DATE 5-24-60 NOTES CHKD.
INDEXED H.E. [illegible] DATE DATE

F.B. 1349 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 A. C. GUIZADO Weather CLEAR & BREEZY Inst. No. #215066
Notes by T. OHASHI Time 9:50 TO 10:26 Rod No. 23 & 24

Name L. A. Co. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 21-59 To B.M. 22-16
Date 5-23-60
Indexed H. E. Gn

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4578		227		#23	8284		224		B.M. 21-59
	4351		224			8060		223		PACIFIC COAST HWY & HAWTHORNE BLVD
	4127		451			7837		447		SEE F.B. FOR DESC.
1.	13056	4.352		.451		24181	8.060		.447	
	2705		225			9073		223		
	2480		227			8850		222		
	2253		452			8628		445		T R.D. GLIDDEN
2	7438	2.479		.903		26551	8850		.892	
	2621		223			8265		224		
	2398		227			8041		223		
	2171		450			7818		447		
3	7190	2.397		1353		24124	8.041		1.339	
	4524		222			5528		227		
	4302		223			5301		230		
	4079		445			5071		457		
4.	12905	4.302		1798		15900	5300		1.796	
	5559		228			5119		227		
	5331		224			4892		223		
	5107		452			4669		450		
5.	15997	5332		2250		14680	4.893		2.246	
		18862					35144			

F.B. 1319 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 A.C. GUIZADO Weather CLEAR & BREEZY Inst. No. N.2 #15066
Notes by T. OHASHI Time 9:50 to 10:26 Rod No. 23 & 24

Name L.A. CO. PRECISE LEVEL NET.
Job No. 0301.02
From B.M. 21-59 To B.M. 22-16A
Date 5-23-60
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	3874	18.862	224	2.250		4878	35.144	227	2246	
	3650		227			4651		223		
	3423		451			4428		450		
6	10947	3.649		2.701		13.957	4.652		2.696	
	4845		226			5101		226		
	4620		228			4875		224		
	4392		453			4651		450		
7	13857	4.619		3.154		14627	4.876		3.146	
	5378		230			5812		234		B.M. 22-16A
	5148		229			5578		236		HAWTHORNE BLVD & 236TH ST
	4919		459			5342		470		SEE F.B. 1395-130 FOR DESC.
8.	15445	5.148		3.613		16.732	5.577		3.616	
										SUMMATION OF RUN
										B.M. 21-59 TO B.M. 22-16A
										TOTAL BACKSIGHT + 32.278
										TOTAL FORESIGHT − 50.249
										DIFF. IN ELEV. −17.971
		32.278					50.249			

F.B. 1349 PG. 18

76S420 S & E-353 4-54

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

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION B.M. 22-16A TO B.M. 21-59
B.M. 22-16A						B.M. 22-16A
+	5.669		5.660	5.621		HAWTHORNE BLVD & 236th St
⊼		+0.427	0.432	0.431		SEE F.B. 1395-130 FOR DESC.
−	5.242		5228	5190		
T.P.						
+	5.057		5.010	4.951		
⊼		+0.257	0.249	0.259		⊼ R.D. GLIDDEN
−	4.800		4.761	4.692		NI 2 # 15066
T.P.						
+	4.802		4.635			TIME 1:17 TO 1:47 P.M.
⊼		+1.004	1.004			WEATHER: CLEAR & WINDY
−	3.798		3.631			
T.P.						
+	4.865		4.822			
⊼		−0.437	0.440			
−	5302		5.262			
T.P.						
+	5.431		5.365			
⊼		+1.001	0.999			
−	4.430		4.366			
T.P.						
+	8.062		7.991			
⊼		+5.643	5.643			
−	2.419		2.348			
T.P.						
+	8.932		8.884			
⊼		+6.364	6.362			
−	2.568		2.522			
T.P.						

NOTES RED _____ JOB NO. 0301.02 SURVEY OF L.A. Co. PRECISE LEVEL NET
DATE _____ SURVEY BY A.C. GUIZADO
NOTES CHKD. _____ NOTES BY T.O. DATE 5-23-60
DATE _____ INDEXED U.E. CH DATE _____

F.B. 1349 PG. 19

769420 S & E-353 4-54

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

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

149

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION B.M. 22-16A TO B.M. 21-59
T.P.						
+	8.078		8.011			
⊼		3.710	3.708			
−	4.368		4.305			
BM 21-59						B.M. 21-59
						PACIFIC COAST HWY & HAWTHORNE BLVD.
						SEE F.B. FOR DESC.
						SUMMATION OF RUN
						BM. 22-16A TO B.M. 21-59
						TOTAL BACKSIGHT + 50.887
						TOTAL FORESIGHT − 32.913
						DIFF. / ELEV. + 17.974

JOB NO. 030102 SURVEY OF L.A. Co. PRELISE LEVEL NOTES RED.
SURVEY BY A.C. GUIZADO DATE
NOTES BY T.O. DATE 5-23-60 NOTES CHKD.
INDEXED E. DATE DATE

F. B. 1349 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 A. C. GUIZADO Weather CLEAR & COOL Inst. No. TORPO 30469
Notes by A. L. G Time 9.57 TO 10.42 Rod No. 23 & 24

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301 J2
From BM 22-16 A To BM 22-15 A
Date 5-24-60
Indexed H. E. O.

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	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	5026		748			5138		751		BM 22-16 A
	4278		745			4387		747		HAWTHORNE BLVD & 236TH ST
	3533		1493			3640		1498		SEE F.B. 1395-130 FOR DESC
	12837	4279		1493		13165	4388		1498	
2	5159		740			5081		743		
	4419		744			4338		741		↑ T. OHASHI
	3675		1484			3597		1484		
	13253	4418		2977		13016	4339		2982	
3	6027		745			5704		746		SLIGHT WIND STARTING
	5282		742			4958		745		
	4540		1487			4213		1491		
	15849	5283		4464		14875	4958		4473	
4	6628		749			6228		744		
	5879		747			5484		741		
	5132		1496			4743		1485		
	17639	5880		5960		16455	5485		5958	
5	5202		747			5004		746		
	4455		744			4258		746		
	3711		1491			3512		1492		
	13368	4456		7451		12774	4258		7450	
		24316					23428			

F.B. 1944 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 A. C. GUIZADO Weather CLEAR & [illegible] Inst. No. TOTKO 30469
Notes by A. C. G Time 9 57 to 10 [illegible] Rod No. 23624

Name L.A.Co PRECISE LEVEL NET
Job No. 0301.02
From BM 22-16A To BM 22-15A
Date 5-24-60
Indexed H. E. Oh

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	5008	24316	747	7451		4643	23428	743	7450	
	4261		744			3900		743		
	3517		1491			3157		1486		
	12786	4262		8942		11700	3900		8936	
7	5000		600			4858		604		STRONG WIND
	4400		600			4254		602		
	3800		1200			3652		1206		
	13200	4400		10142		12764	4255		10142	BM 22-16A TO BM 22-15A
8	5180		601			4701		600		SUMMATION OF RUN
	4579		600			4191		599		TOTAL BACKSIGHTS + 42.797
	3979		1201			3592		1199		" FORESIGHTS - 41.300
	13738	4579		11343		12574	4191		11341	DIFF IN ELEV + 1.497
9	5981		742			6271		746		
	5239		740			5525		744		BM 22-15A
	4999		1482			4781		1490		HAWTHORNE AVE & 230TH ST
	15719	5240		12825		16577	5526		12831	SEE F.B. 1393-129 FOR DESC
		42797					41300		12825	
									25656	

F.B. 1349 PG. 22

76S420 S & E-353 4-54

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

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
						BM 22-154 TO BM 22-[illegible]
BM [illegible]						BM 22-15A
+	[illegible]		5340			[illegible] BLVD & 230TH ST
⊼		+.297	297			SEL F.B 1395-129 [illegible]
−	5151		5043			
TP						
+	3979		4072			
⊼		−.386	388			
−	[illegible]		[illegible]			
TP						
+	3327		4064			[illegible] 30[illegible]
⊼		−.150	150			⊼ T [illegible]
−	4077		4214			
TP						CLEAR & UNCY
+	3903		4037			TIME RUN STARTED 10 55
⊼		−.364	.362			" " ENDED 11 35
−	[illegible]		4333			
TP						
+	4342		4432			
		−.201	200			
−	4543		4632			
TP						
+	[illegible]		5380			
⊼		−.394	395			
−	[illegible]		5775			
TP						
+	4382		4875			
⊼		−.328	32[illegible]			
−	5310		5211			
TP						
CONT						

NOTES RED ____ JOB NO. 0301.17 SURVEY OF LA CO PRECISE LEVEL NET
DATE ____ SURVEY BY A. C. GUIZADO
NOTES CHKD. ____ NOTES BY A. L. G. DATE 5-24-60
DATE ____ INDEXED H. E. OTT DATE ____

F. B. 1349 PG. 23

768420 S & E-353 4-54

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

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION BM 22 15A TO BM 22-16A
TP						
+	4182		4313			
⊼		-0[illegible]	[illegible]78			
-	426		4391			
TP						
+	4143		39[illegible]	395[illegible]		
[illegible]		[illegible]	1[illegible]	[illegible]		
[illegible]	[illegible]		387[illegible]	38[illegible]		
BM 22-16A						BM 22-16 1 HAWTHORNE AVE & 236TH St SEE FB 1395-130 FOR DESC
						TOTAL DIFF IN ELEV -1502

JOB NO. 03[illegible] SURVEY OF LACO PRECISE LEVEL NET NOTES RED.
SURVEY BY [illegible] GOIZ[illegible] DATE
NOTES BY A[illegible] DATE [illegible] NOTES CHKD.
INDEXED T. E. OTT DATE DATE

F. B. 1349 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 A C GUIZADO Weather CLEAR & SUNNY Inst. No. N12 #15066
Notes by A L G Time 10.32 To 11.03 Rod No. 23 & 24

Name L.A.Co. PRECISE LEVEL NET
Job No. 0301.02
From BM 22-164 To BM 22-15A
Date 5-23-60
Indexed H.E.C.

Number of Station	BACKSIGHT Thread 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	4325 4299 4070		226 229 455			4429< 4402 4173		227 223 451		BM 22-164 HAWTHORNE BLVD & 236TH ST SEE F.B. 1395-130 FOR DESC
	12894	4298		455		13210	4403		451	
2	4850 4627 4402		223 225 448			4770 4546 4320		224 226 450		T. OHASHI ZIESS NT-2 # 15066
	13879	4626		903		13636	4545		901	
3	5531 5308 5082		223 226 449			5207 4981 4758		226 223 449		
	15921	5307		1352		14946	4982		1350	
4	6197 5970 5746		227 224 451			5802 5577 5350		225 227 452		
	17913	5971		1803		16729	5576		1802	
5	4944 4720 4495		224 225 449			4747 4521 4299		226 222 448		
	14159	4720		2252		13567	4522		2250	
		24922					24028			

F.B. 1349 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 A. C. GUIZADO Weather CLEAR & SUNNY Inst. No. 15066 No. 2
Notes by A. L. G. Time 10.32 To 11.03 Rod No. 23824

Name L.A. CO. PRECISE LEVEL NET
Job No. 0301.02
From BM 22-16A To BM 22-15A
Date 5-23-60
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	4778	24922	225	2252		4411	24028	222	2250	
	4553		226			4189		225		
	4327		451			3964		447		
	13658	4553		2703		12564	4188		2697	
7	4359		184			4212		183		
	4175		183			4029		181		
	3992		367			3848		364		
	12526	4175		3070		12089	4030		3061	
8	4798		183			4409		182		
	4615		183			4227		181		
	4432		366			4046		363		SUMMATION OF RUN
	13845	4615		3431		12682	4227		3424	BM 22-16A TO BM 22-15A
9	5489		226			5783		224		TOTAL BACKSIGHTS + 43.538
	5273		225			5559		224		" FORE SIGHTS − 42.032
	5048		451			5335		448		DIFF IN ELEV + 1.506
	15820	5273		3987		16677	5559		3872	
		43538					42032			BM 22-15A
										HAWTHORNE BLVD & 230TH ST
										SEE FB. 1395-129 FOR DESC

F.B. 1395 PG. 26

76S420 S & E-353 4-54

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

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION BM 22-15A TO BM 22-15A
BM 22-15A						BM 22-15A
+	5573		5405			HAWTHORNE BLVD & 230 TH ST
⊼		+.282	.285			SEE F.B. 1395-129 FOR DESC
—	5291		5100			
TP						
+	4[illegible]		4303			
⊼		-.3[illegible]	.3[illegible]			ZIESS NT2 # 15066
—	[illegible]		4589			⊼ R. D GLIDDEN
TP						
+	4028		4163			
⊼		-.147	.149			
—	[illegible]		4312			CLEAR & SUNNY
TP						STARTED 11.05
+	4040		3880			[illegible] 1143
⊼		-.360	.361			
—	44[illegible]		4[illegible]			
TP						
+	43[illegible]1		4222			
⊼		-.200	.199			
—	4781		4421			
TP						
+	5362		5438	5683		
⊼		-.619	.393	.395		
—	5981		5831	5378		
TP						
+	5061		4902			
⊼		-.325	.327			
—	5386		5229			
TP						

NOTES RED. ____ JOB NO. 030[illegible] SURVEY OF L.A. Co. PRECISE LEVEL NET
DATE ____ SURVEY BY A. C. GUIZANO
NOTES CHKD. ____ NOTES BY [illegible] DATE 5-23-60
DATE ____ INDEXED H. E. OTT DATE ____

F.B. 1349 PG. 27

768420 S & E-353 4-54

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

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION BM 22-15A TO BM 22-16A
TP						
+	4631		4373	4331		
R	✓	-087	078	079		
+	4618		4451	4410		
TP						
+	4377		4084			
R		[illegible]	106			
+	[illegible]		[illegible]			
BM 22-16A						BM 22-16 A HAWTHORNE AVE & 236 TH ST SEE F.B 1395-130 FOR DESC

SUMMATION OF RUN
BM 22-15A TO BM 22-16A
TOTAL BACKSIGHTS + 41 577
" FORESIGHTS - 43 067
DIFF IN ELEV - 1 490

JOB NO. 0301.02 SURVEY OF I.A. Co. PRECISE LEVEL NET NOTES RED.
SURVEY BY [illegible] DATE
NOTES BY [illegible] DATE NOTES CHKD.
INDEXED [illegible] DATE DATE

F. B. 1349 PG. 28

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 A. C. GUIZADO Weather CLEAR & WINDY Inst. No. TOKYO 30469
Notes by A. C. G. Time 10.50 TO 11.40 Rod No. 23 & 24

Name L.A. CO PRECISE LEVEL NET
Job No. 0301.02
From BM 22-15A To BM 22-17
Date 5-26-60
Indexed B. E. Oh

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	5035		744			5886		742		BM 22-15A
	4291		740			5144		746		HAWTHORNE BLVD &
	3551		1484			4398		1488		230TH ST
	12877	4292		1484		15428	5143		1488	SEE F.B. 1395-129 FOR DESC
2	5168		745			5978		742		
	4423		745			5236		744		
	3678		1490			4492		1486		↑
	13269	4423		2974		15706	5235		2974	
3	4832		748			6115		743		
	4084		745			5372		741		
	3339		1493			4631		1484		
	12255	4085		4467		16118	5373		4458	
4	5674		746			4031		742		
	4928		750			3289		738		
	4178		1496			2551		1480		
	14780	4927		5963		9871	3290		5938	
5	6682		741			5114		742		
	5941		745			4372		740		
	5196		1486			3632		1482		
	17819	5940		7449		13118	4379		7420	
		23667					29414			

F.B. 1349 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 A. C. GUIZADO Weather CLEAR & WINDY Inst. No. TCK40 30466
Notes by A.L.G. Time 1030 TO 1140 Rod No. 23 & 24

Name L.A. CO PRECISE LEVEL NET
Job No. 0301.02
From BM 22-15A To BM 22-14
Date 5-26-60
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	6551	23667	743	7449		5730	23414	742	7420	
	5808		747			4988		738		
	5061		1490			4250		1480		
	17420	5807		8939		14968	4989		8900	
7	6145		742			5212		741		
	5403		740			4471		740		
	4663		1482			3731		1481		
	16211	5404		10421		13414	4471		10381	SUMMATION OF RUN.
8	6102		734			5578		760		BM 22-15A TO BM 22-14
	5368		733			4818		762		TOTAL BACK SIGHTS 45968
	4635		1467			4056		1522		" FORE SIGHTS 43586
	16105	5368		11888		14452	4817		11803	DIFF IN ELEV +2,382
9	6002		281			6178		283		BM 22-14
	5721		279			5895		282		HAWTHORNE AVE &
	5442		560			5613		565		SEPULVEDA BLVD
	17165	5722		12448		17684	5895		12368	SEE F.B. FOR DESC
									12448	
									24816	
		45968					43586			

F.B. 1349 PG. 30

76S420 S & E-353 4-54

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

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION BM 22-14 TO BM 22-15A
BM 22-14						BM 22-14
+	5785		5753			SEPULVEDA BLVD &
⊼		[illegible]	[illegible]			HAWTHORNE AVE
−	[illegible]		5577			SEE FB FOR DESC
TP						
+	5245		[illegible]	5248		
⊼		−.5[illegible]	547	547		
−	[illegible]		5787	579[illegible]		
TP						
+	4663		4[illegible]8			
⊼		−.934	935			TCK YO # 30469
−	5537		55[illegible]			
TP						
+	4.612		4.602			
⊼		−0.818	0.819			
−	5.430		5.421			TIME STARTED 1.15
TP						" ENDED 2.03
+	4.053		4.030			
⊼		−1.565	1.565			
−	5.618		5.595			
TP						
+	3.165		3.148			
⊼		−1.6[illegible]	−1.637			
−	4.803		4.795			
TP						
+	5.318		5.300			
⊼		+1.286	1.28[illegible]			
−	4.032		4.[illegible]			
TP						
Cont						

NOTES RED ____ JOB NO. 0301.02 SURVEY OF L.A. CO PRECISE LEVEL NET
DATE ____ SURVEY BY A.C. GUIZADO
NOTES CHKD. ____ NOTES BY A.L.G. DATE 5-26-60
DATE ____ INDEXED ____ DATE ____

F.B. 1349 Pg. 31

768420 S & E-353 4-54

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

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
+	4,8[illegible]		4,822			
[illegible]		+.817	.81[illegible]			
—	4,033		4,[illegible]			
TP						
+	5,00[illegible]		[illegible]			
[illegible]		+.853	.85[illegible]			
—	[illegible]		4,0[illegible]			
BM 22-15A						BM 22-15X HAWTHRONE AVE & 230TH ST SEE F.B. 1395-129 FOR DESC DIFF IN ELEV -2,389

JOB NO. 0301.02 SURVEY OF LA Co. PRECISE LEVEL NET NOTES RED
SURVEY BY A.C. GUIZADO DATE
NOTES BY ALG DATE 5-26-60 NOTES CHKD
INDEXED H.E. OD DATE DATE

F.B. 1349 PG. 32

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party A.C GUIZADO Weather CLEAR & SUNNY Inst. No. 15066
Notes by A L G Time 9.15 TO 10.10 Rod No. 23 & 24

Name L.A CO PRECISE LEVEL DET
Job No. 0301.02
From BM 22-15A To BM 22-14
Date 5-27-60
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	4323		228			5172		224		BM 22-15A
	4095		227			4948		224		HAWTHORNE AVE &
	3868		455			4724		448		230 TH ST
	12286	4095		455		14844	4948		448	SEE F.B. 1395-129 FOR DESC
2	4512		229			5322		224		
	4283		225			5098		226		
	4058		454			4872		450		
	12853	4284		909		15292	5097		898	
3	4305		223			5591		226		
	4082		224			5365		225		
	3858		447			5140		451		
	12245	4082		1356		16096	5365		1349	
4	5152		227			3511		226		
	4925		223			3285		223		
	4702		450			3062		449		
	14779	4926		1806		9858	3286		1738	
5	6245		227			4678		227		
	6018		227			4451		224		
	5791		454			4227		451		
	18054	6018		2260		13356	4452		2249	
		23405					23148			

F.B. 1349 PG. 39

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party A. C. GUIZADO Weather CLEAR & SUNNY Inst. No. 15066
Notes by ALG Time 9.15 TO 10.10 Rod No. 23 & 24

Name L.A. CO. PRECISE LEVEL NET
Job No. 0301.02
From BM 22-15A To BM 22-14
Date 5-27-60
Indexed H.E. OH

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	6164	23405	226	2260		5345	23148	223	2249	
	5940		227			5122		224		
	5713		453			4898		447		
	17819	5940		2713		15365	5122		2696	
7	5911		227			4973		222		
	5684		225			4751		220		
	5459		452			4531		442		
	17054	5685		3165		14255	4752		3138	SUMMATION OF RUN
8	5675		224			5131		233		EM 22-15A TO BM22-14
	5451		220			4898		227		TOTAL BACKSIGHTS 46262
	5231		444			4671		460		TOTAL FORESIGHTS 43877
	16357	5452		3609		14700	4900		3598	DIFF IN ELEV +2.385
9	5845		085			6041		086		
	5780		085			5955		086		
	5695		170			5869		172		
	17340	5780		3779		17865	5955		3770	
		46262					43877			

F.B. 1349 PG. 34

D-3.4

76S420 S & E-353 4-54

PLEASE RETURN TO
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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION BM 22-14 TO BM 22-15A
BM 22-14	1000.000					BM 22-14
+	5 901		5.862			HAW T HORE AVE E
⊼	1005.901	+.177	.175			SEPUL VEDA BLVD
−	5.724		5687			SEE F B FOR DESC
TP	1000.177					
+	4785		4704			
⊼	1004962	−.547	548			
−	5332		5252			
TP	999630					
+	4570		4424			ZI ESS NT 2 #15086
⊼	1004200	−.935	−.937			
−	5505		5361			
TP	998695					RUN STAT ED 10 15
+	4932		4802			" ENDE D 11 05
⊼	1003627	−.818	−.818			
−	5750		5620			
TP	997877					
+	4410		4306			
⊼	1002287	−1.568	1564			
−	5978		5870			
TP	996309					
+	3152		3350			
⊼	999461	−1.638	1,640			
−	4790		4990			
TP	994671					
+	5265		5347	5265		
⊼	999936	+1,283	1292	1283		
−	3982		4065	3982		
TP	995954					
CONT.						

NOTES RED. JOB NO. 0301.02 SURVEY OF LA CO PRECISE LEVEL NET
DATE SURVEY BY A. C. GUIZADO
NOTES CHKD. NOTES BY A. L. G. DATE 5-27-60
DATE INDEXED M. E. OH DATE

F. B. 1349 PG. 35

76S420 S & E-353 4-54

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP	995.954					
+	5257		5383			
⊼	1001211	+.814	.815			
−	4443		4568			
TP	996768					
+	5397		5505			
⊼	1002165	−.854	.853			
−	4543		4652			
BM 22-15A	997622					BM 22-15A HAWTHORNE AVE & 230TH ST SEE F.B. 1395 129 FOR DESC
						DIFF IN ELEV - 2378

JOB NO. 230102 SURVEY OF L.A. Co. Precise Level Net NOTES RED
SURVEY BY A.C. Guizado DATE
NOTES BY ALG DATE 5-27-60 NOTES CHKD.
INDEXED [illegible] DATE DATE

F. B. 1349 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 A C GUIZADO Weather CLEAR SLIGHT WIND Inst. No. 15066
Notes by A L C Time Rod No. 23 & 24

Name L.A.C.O PRECISE LEVEL NET
Job No. 0301 02
From BM 22-13 To BM 22-12
Date 5-27-60
Indexed [redacted] E OTI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	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	8045		222			3335		227		BM 22-13
	7823		221			3108		226		SEPULVEDA BLVD &
	7602		443			2882		453		HAWTHORNE AVE
	23470	7823		443		9325	3108		453	
2	7688		226			3235		225		
	7462		225			3010		222		
	7237		451			2788		447		
	22317	7462		894		9033	3011		900	
3	7284		223			4598		228		
	7061		226			4370		227		
	6835		449			4143		455		
	21180	7060		1343		13111	4370		1355	
4	5049		225			7283		221		
	4824		222			7062		222		
	4602		447			6840		443		
	14475	4825		1790		21185	7062		1798	
5	3310		225			8158		226		
	3085		222			7932		222		
	2863		447			7710		448		
	9258	3086		2237		23800	7933		2246	
		30256					25484			

F.B. 1360 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 A C GUIDADO Weather CLEAR & WINDY Inst. No. 15066
Notes by A L G Time Rod No. 23 & 24

Name L.A CO PRECISE LEVEL NET
Job No. 0301.02
From BM 22-13 To BM 22-12
Date 5-27-60
Indexed H E On

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	2667	30256	222	2237		7092	25484	222	2246	
	2445		223			6870		222		
	2222		445			6648		444		
	7334	2445		2682		20610	6870		2690	
7	3992		224			4727		227		
	3768		223			4500		223		
	3545		447			4277		450		
	11305	3768		3129		13504	4501		3140	
8	7202		224			4292		224		
	6978		226			4068		223		
	6752		450			3845		447		
	20932	6977		3579		12205	4068		3587	
9	5903		221			5377		225		
	5682		224			5152		224		
	5458		445			4928		449		
	17043	5681		4024		15457	5152		4036	
10	4472		225			5784		226		
	4247		225			5558		226		
	4022		450			5332		452		
	12741	4247		4474		16674	5558		4488	
		53374					51633			

F.B. 1349 PG. 38

FORM 379 5M 7-40

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700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party A. C. GUIZADO Weather CLEAR & WINDY Inst. No. 15066
Notes by A. L. G. Time Rod No. 23 & 29

Name L.A.CO. PRECISE LEVEL NET
Job No. 0301.02
From BM 22-13 To BM 22-12
Date 5-27-60
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
11	5135	53374	225	4474		4337	51633	224	4488	
	4910		225			4113		221		
	4685		450			3892		445		
	14730	4910		4924		12342	4114		4933	
12	5963		223			3978		221		
	5740		222			3757		225		
	5518		445			3532		446		
	17221	5740		5369		11267	3756		5379	
13	5660		225			4988		225		
	5435		225			4763		221		
	5210		450			4542		446		
	16305	5435		5819		14293	4764		5825	SUMMATION OF RUN
14	4753		201			6709		201		BM 22-14 TO BM 22-12
	4552		200			6508		198		TOTAL BACKSIGHTS 74011
	4352		401			6310		399		TOTAL FORESIGHTS 70776
	13657	4552		6220		19527	6509		6224	DIFF IN ELEV +3235
		74011					70776			

F.B. 1349 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 ..... 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. 1349 PG. 40

76S420 S & E-353 4-54

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LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION BM 22-12 TO BM 22-13
BM 22-12						BM 22-12
+	6463		6403			SEPL LVEDA BLVD &
⊼		+1.956	1.955			
−	4507		4448			SEE F.B FOR DESC
TP						
+	4988		4830			
⊼		-.670	[illegible]			
−	5658		[illegible]			
TP						
+	4228		4000			21E SS NT 15066
⊼		-1.984	1.982			
−	6212		5982			
TP						
+	4478		4343			
⊼		-.794	794			
−	5272		5137			
TP						
+	5967		5822	5630		
⊼		+1.307	1.314	1.310		
−	4660		4508	4320		
TP						
+	5389		5125			
⊼		-.529	.527			
−	5918		5652			
TP						
+	3720		3607			
⊼		-2.907	2.906			
−	6627		6513			
TP						
CONT						

NOTES RED ____ JOB NO. 0301.02 SURVEY OF L.A. COPRECISE LEVEL NET
DATE ____ SURVEY BY A C GUIZADO
NOTES CHKD. ____ NOTES BY A L G DATE 5-27-60
DATE ____ INDEXED H. E. [illegible] DATE ____

F.B. 1349 PG. 41

76S420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.						
+	[illegible]		4627			
⊼		+0.733	.73[illegible]			
−	4117		3832			
T.P.						
+	7043		6889	6970		
⊼		+4415	4426	4422		
−	2628		2463	2548		
T.P.						
+	80[illegible]7		7958			
⊼		+4849	4.851			
−	3208		3107			
T.P.						
+	7282		7402			
⊼		+2,239	2240			
−	5[illegible]43		5162			
T.P.						
+	4330		4263			
⊼		-2,690	2689			
−	7080		6952			DIFF IN ELEV - 3.237
T.P.						
+	3199		3142			
⊼		-4,446	4,447			
−	7645		7589			
T.P.						
+	2722		2649			
⊼		-4.716	4.714			
−	7438		7363			
BM22-13						

NOTES RED. _____ DATE _____
NOTES CHKD. _____ DATE _____
JOB NO. 0301102 SURVEY OF _____
SURVEY BY A.C. [illegible]
NOTES BY A.C. Goble DATE _____
INDEXED H. E. Ott DATE _____
F. B. 1349 PG. 42

Notes Ck'd by H. J. AMBERS	Survey of Precise Levels	F. B. 1349 Pg. 47
Map No.	JN 0301.00 Tape ___ Std ___ °F	
Office Work	Surveyed by F. E. BROOKS	
Checked	Notes BROOKS Date 2-61	
Date	Indexed M. E. OTT [illegible]	

LEVEL COMPARISON TESTS

WATTS AUTOSET

#133600

T.O

ZIESS Ni2 # 15066

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

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

763098 CE #247—7-58

F. B. 1349 PG. 48

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700 Los Angeles County Engineering Bldg.

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

76S420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
			Higher & Watts Pog Adjustment			# 133600
Rod	100 E		←•→		Rod. 100 W	
	4.022				5.959	D.H. = 1.937
Eqst. setup	4.914				W. Rod 6.851	= 1.937

NOTES RED. JOB NO. C301.02 SURVEY OF Pog A
DATE SURVEY BY Brooks
NOTES CHKD. H. J. AMBERS NOTES BY DATE 2-8-61
DATE INDEXED J. F. OD DATE

F. B. 1349 PG. 49

766420 S & E-353 4-54

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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 ____ DATE ____

SURVEY OF ____ DATE ____ DATE ____

JOB NO. ____ SURVEY BY ____ NOTES BY H. E. Ott INDEXED ____

F.B. 349 Pg. 50

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
		Carl	Zeiss #	15066		
			Peg	Adjustment		
Rod	100 E.				Rod 100	W.
	4.241				6.178	D.H. 1.937
	E. Rod				W. Rod	D.H.
E. setup	5.278				7.211	1.933

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: Cool Inst. No. 133600
Notes by: A. R. Barulotti Time: 9:15 AM Rod No. 19

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: Determining To: Stadia Factor
Date: 2-8-61
Indexed: H. E. O.

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
135	7.018 6.343 5671		0.675 0.672	1.347		135 1.347	=1.002			Stadia Factor for Hilger & Watts Autoset Level # 133600
165	7411 6.588 5763		0.823 0825	1.648		165 1.648	=1.001			5.004 / 5 = 1.0008
195	7.818 6842 5868		0.976 0.974	1.950		195 1.950	=1.000			
225	8206 7.085 5.956		1.123 1.127	2.250		225 2.250	=1.000			.975 / 9.742 = 1.0008
255	8556 7285 6.011		1.273 1.274	2.547		255 2.547	=1.001			
975				9.742			5.004			

P.B. 6349 P.G. 51

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Cool Inst. No. 15066
Notes by A. R. Barilotti Time 8:45 AM Rod No. 19

Name L.A. Co. Precise Level Net
Job No. 0301.02
From Determ. To Stadia Factor
Date 2-8-61
Indexed H.E. OD

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
135	6739 6537 6333		0.202 0.204	0.406		135/406	= 33~~4~~3			Stadia Factor for Ziess Level # 15066 = .3340
165	7025 6778 6531		0.247 0.247	0.494		165/494	= 334			1.66~~8~~7/5 = .333~~6~~4
195	7323 7031 6738		0.292 0.293	0.585		195/585	= 333			
225	7608 7271 6932		0.337 0.339	0.676		225/676	= 333			.975/2.924 = .333~~5~~4
255	7851 7471 7088		0.380 0.383	0.763		255/763	= 334			
975				2924			1.66~~8~~7			

F.B. 1349 P.G. 52

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: Hazy Inst. No. 133600
Notes by: FEB Time: 10:00 - 10:30 Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BMCB-17 To: BM 58-6
Date: 9 Feb 1961
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	3.109		.369		19	4.305		.368		BM CB-17
	2.740		.371			3.937		.370		Mulholland Hwy 2.45 mi
1	2.369		.740			3.567		.738		N. of Pac. Coast Hwy
	8.218	2.739		.740	64°	11.809	3.936		.738	see F.B. 2836-13
	8.972		.445			2.112		.441		
	8.527		.448			1.671		.442		T Le Gault
2	8.079		.893			1.229		.883		
	25.578	8.526		1.633		5.012	1.671		1.621	
	7.559		.366			2.682		.371		
	7.193		.365			2.311		.370		Hilger and Watts
3	6.828		.731			1.941		.741		Auto set Level
	21.580	7.193		2.364		6.934	2.311		2.362	# 133600
	7.164		.493			5.330		.491		
	6.671		.493			4.839		.491		
4	6.178		.986			4.348		.982		
	20.013	6.671		3.350		14.517	4.839		3.344	
	3.972		.400			7.751		.388		
	3.572		.400			7.363		.390		
5	3.172		.800			6.973		.778		
	10.716	3.572		4.150		22.087	7.362		4.122	
		28.701					10.119			

F.B. 1349 P.G. 53

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. 133600
Notes by: F.E.B. Time: 10:00 – 10:30 Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM CB-17 To: BM 58-6
Date: 9 Feb 1961
Indexed: S. – JD

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals
6	4.128	28.701	.346	4.150		6.967	20.119	.343	4.122
	3.782		.346			6.624		.345	
	3.436		.692			6.279		.688	
	11.346	3.782		4.842		19.870	6.623		4.810
7	3.230		.343			6.947		.344	
	2.887		.345			6.603		.342	
	2.542		.688			6.261		.686	
	8.659	2.886		5.530		19.811	6.604		5.496
8	3.858		.348			6.002		.340	
	3.510		.349			5.662		.341	
	3.161		.697			5.321		.681	
	10.529	3.510		6.227		16.985	5.662		6.177
9	5.461		.416			5.730		.413	
	5.045		.417			5.317		.415	
	4.628		.833			4.902		.828	
	15.134	5.045		7.060		15.949	5.316		7.005

F.B. 1349 P.G. 54

43.924 44.324

DESCRIPTION AND REMARKS

Summation of Run
From B.M. CB-17
To B.M. 58-6

Total Backsights = + 43.924
Total Foresights = – 44.324
Diff. Elev. = – 0.400

Backsight stadia = 7.060
Foresight Stadia = 7.005
Total Stadia = 14.065
= .27 mi

BM 58-6
Mulholland Hwy at Camp Bloomfield
See F.B. 2836-14

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks Weather: Sunny Inst. No.: 133600
Notes by: Esquer Time: 1:00-1:30 Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 5B-6 To: BM CB-17
Date: 9 Feb 1961
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	5772		412			5501		416		BM 5B-6
	5360		415			5085		415		Mulholland Hwy at Camp
	4945		827			4670		831		Bloomfield
	16077	5359		827		15256	5085		831	See F.B. 2836-14
2	6190		341			4043		346		
	5849		341			3697		349		
	5508		682			3348		695		
	17547	5849		1509		11088	3696		1526	
3	7009		341			3295		344		
	6668		342			2951		345		Hilger + Watts
	6326		683			2606		689		Autoset # 133600
	20003	6668		2192		8852	2951		2215	
4	7101		350			4248		340		
	6751		352			3908		339		
	6399		702			3569		679		
	20251	6750		2894		11725	3908		2894	
5	7831		390			4049		398		
	7441		391			3651		398		
	7050		781			3253		796		
	22322	7441		3675		10953	3651		3690	
		32.067					19.291			

F.B. 1349 P.G. 55

76P526-CE 379—10-57

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny Inst. No. 133600
Notes by Esquer Time 1:00 - 1:30 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 58-6 To BM CB-17
Date 9 Feb 1961
Indexed M. L. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals
	5429	32067	489	3675		7265	43291	494	3690
	4940		490			6771		496	
6	4450		979			6275		990	
	14819	4940		4654		20311	6770		4680
	2643		382			7499		354	
	2261		382			7145		355	
7	1879		764			6790		709	
	6783	2261		5418		21434	7145		5389
	2163		441			9023		445	
	1722		441			8578		447	
8	1281		882			8131		892	
	5166	1722		6300		25732	8577		6281
	4417		370			3221		370	
	4047		370			2851		370	
9	3677		740			2481		740	
	12141	4047		7040		8553	2851		7021
	45.037					44.634			

F.B. 1349 P.G. 39

DESCRIPTION AND REMARKS

Summation of Run
From B.M. 58-6
To B.M. CB-17

~~Total Backsights~~ = + 45.037
Total Foresights = − 44.634
Diff. Elev. = − 0.403

Backsight stadia = 7.040
~~Foresight Stadia~~ = 7.021
Total Stadia = 14.061
.27 mi

BM CB 17
Nwl holland Hwy 2.45 mi
N. of Pac. Coast Hwy.
See F.B. 2836-13

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: Sunny Inst. No. 133600
Notes by: Esquer Time: 10:30 - 11:15 Rod No. 19 & 20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From BM 58-6 To BM 58-7
Date 2-9-61
Indexed B. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	5672		295		#19	4647		289		BM 58-6
	5377		297			4358		290		Mulholland Hwy. at
	5080		592			4068		579		Camp Bloomfield
	16129	5376		592	70°	13073	4358		579	See F.B. 2836-14
2	5541		609			5178		616		T Barilotti
	4932		610			4562		619		
	4322		1219			3943		1235		
	14795	4932		1811		13683	4561		1814	
3	6022		611			4937		626		
	5411		612			4311		629		
	4799		1223			3682		1255		
	16232	5411		3034		12930	4310		3069	
4	5405		631			5222		605		
	4774		635			4617		608		
	4139		1266			4009		1213		
	14318	4773		4300		13848	4616		4282	
5	4313		609			5344		620		
	3704		609			4724		619		
	3095		1218			4105		1239		
	11112	3704		5518		14173	4724		5521	
		24.196					22.569			

F.B. 1349 P.G. 57

76P526-CE 379—10-57

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny Inst. No 133600
Notes by Esquer Time 10:30 - 11:15 Rod No. 19 & 20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 58-6 To BM 58-7
Date 2-9-61
Indexed R. E. OT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	3051	24.196	397	5518		7991	22.569	390	5521	
	2654		400			7601		392		
	2254		797			7209		782		
	7959	2653		6315		22801	7600		6303	
7	2089		346			7958		339		
	1743		345			7619		341		
	1398		691			7278		680		
	5230	1743		7006		22855	7618		6983	
8	1743		504			7222		505		
	1239		503			6717		507		
	0736		1007			6210		1012		
	3718	1239		8013		20149	6716		7995	
9	4719		620			5962		619		
	4099		620			5343		620		
	3479		1240			4723		1239		
	12297	4099		9253		16028	5343		9234	
10	5309		608			5463		625		
	4701		607			4838		629		
	4094		1215			4209		1254		
	14104	4701		10468		14510	4837		10488	
		38.631					54.683			

F.B. 1349 P.G. 658

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.

2

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Sunny Inst. No: 133600
Notes by: Esquer Time: 10:30 - 11:15 Rod No: 19520

Name: L.A. Co. Precise Level Net
Job No: 0301.02
From: BM 58-6 To: BM 58-7
Date: 2-9-61
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
11	7111	38.631	500	10468		1999	54.683	479	10488	
	6611		500			1520		481		
	6111		1000			1039		960		
	19833	6611		11468		4558	1519		11448	
12	7417		259			0719		262		BM 58-7
	7158		260			0457		263		Mulholland Hwy. 3.10 Mi
	6898		519			0194		525		N. of Pac. Coast Hwy.
	21473	7158		11987		1370	0457		11973	See F.B. 2836-15
										Summation of Run From B.M. 58-6 To B.M. 58-7
										Total Backsights = + 52.400 Total Foresights = − 56.659 Diff. Elev. = − 4.259
										Backsight stadia = 11.987 Foresight Stadia = 11.973 Total Stadia = 23.960 = .45 mi
		52.400					56.659			

F.B. 1340 P.G. 59

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 - windy Inst. No. 133600
Notes by: F.E.B. Time: 11:20 - 12:00 Rod No. 19820

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From BM 58-7 To BM 58-6
Date 2-9-61
Indexed: H. E. Ot.

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	0.778		.263			7.476		.260		BM 58-7
	0.515		.263			7.216		.260		Mulholland Hwy. 3.10 Mi.
	0.252		.526			6.956		.520		N. of Pac. Coast Hwy.
	1.545	0.515		.526		21.648	7.216		.520	See F.B. 2836-15
2	2.000		.485			7.099		.494		
	1.515		.486			6.605		.494		T Barilotti
	1.030		.970			6.111		988		
	4.545	1.515		1.496		19.815	6.605		1.508	
3	5.499		.617			5.363		.614		
	4.882		.620			4.749		.618		
	4.262		1.237			4.131		1.232		
	14.643	4.881		2.733		14.243	4.748		2.740	
4	5.951		.616			4.710		.620		
	5.335		.620			4.090		.620		
	4.715		1.236			3.470		1.240		
	16.001	5.334		3.969		12.270	4.090		3.980	
5	7.238		.499			1.771		.510		
	6.739		.500			1.261		.510		
	6.239		.999			0.751		1.020		
	10.216	6.739		4.968		3.783	1.261		5.000	
	18.984					23.920				

F.B. 1349 P.G. 60

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 - Windy Inst. No. 133600
Notes by: F.E.B. Time: 11:20 - 12:00 Rod No. 195 20

Name: LA Co. Precise Level Net
Job No. 0301.02
From: BM 58-7 To: BM 58-6
Date: 2-9-61
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	8.059	18.984	.348	4.968		2.172	23.920	.335	5.004	
	7.711		.350			1.837		.338		
	7.361		.698			1.499		.673		
	23.131	7.710		5.666		5.508	1.836		5.673	
7	7.970		.391			3.030		.399		
	7.579		.393			2.631		.399		
	7.186		.784			2.232		.798		
	22.735	7.578		6.450		7.893	2.631		6.471	
8	5.296		.612			4.277		.614		
	4.684		.614			3.663		.614		
	4.070		1.226			3.049		1.228		
	14.050	4.683		7.676		10.989	3.663		7.699	
9	5.211		.620			5.369		.619		
	4.591		.620			4.750		.621		
	3.971		1.240			4.129		1.240		
	13.773	4.591		8.916		14.248	4.749		8.939	
10	4.913		.625			5.998		.610		
	4.288		.629			5.388		.612		
	3.659		1.254			4.776		1.222		
	12.860	4.287		10.170		16.162	5.387		10.161	
		47.833					42.186			

F.B. 1349 P.G. 61

76P526-CE 379—10-57

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear - Windy Inst. No 133600
Notes by F.E.B. Time 11:20 - 12:00 Rod No. 19820

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM58-7 To BM58-6
Date 2-9-61
Indexed E. E. O.

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5.008	4.833	.610	10.170		5.384	4.186	.614	10.161	
11	4.398		.610			4.770		.618		
	3.788		1.220			4.152		1.232		
	13.194	4.398		11.390		14.306	4.769		11.393	
	4.592		.288			5.622		.298		BM58-6
12	4.304		.288			5.324		.298		Mulholland Hwy. at
	4.016		.576			5.026		.596		Camp Bloomfield
	12.912	4.304		11.966		15.972	5.324		11.989	See F.B. 2836-14
										Summation of Run From B.M. 58-7 To B.M. 58-6
										Total Backsights = + 56.535 Total Foresights = − 52.279 Diff. Elev. = + 4.256
										Backsight stadia = 11.966 Foresight Stadia = 11.989 Total Stadia = 23.955 = .45 mi

F.B. 1349 P.G. 68

56.535 52.279

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: over cast — Inst. No.: 15066
Notes by: F. E. Brooks — Time: 11:15 - 11:35 — Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM CB-17 To: BM 58-6
Date: 6 Feb 1961
Indexed: H. E. O.

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	3.391		111		#19	4.598		111		BM CB-17
	3.280		109			4.478		112		Mulholland Hwy 2.45 mi
	3.171		220			4.366		223		N. of Pac. Coast Hwy.
	9.842	3.281		.220	70°	13.442	4.478		.223	see F.B. 2836-13
2	9.123		132			2.268		134		T LeGault
	8.991		134			2.134		132		
	8.857		266			2.002		266		
	26.971	8.990		.486		6.404	2.135		.489	
3	7.781		111			2.899		111		
	7.670		110			2.788		110		
	7.560		221			2.678		221		
	23.011	7.670		.707		8.365	2.788		.710	
4	7.334		149			5.502		149		
	7.185		148			5.353		145		
	7.037		297			5.208		294		
	21.556	7.185		1.004		16.063	5.354		1.004	
5	4.210		119			7.999		.118		
	4.091		120			7.881		.117		
	3.971		239			7.764		.235		
	12.272	4.091		1.243		23.644	7.881		1.239	
		31.217					22.636			

F.B. 1349 P.G. 13

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: Overcast Inst. No. 15066
Notes by: E. E. Brooks Time: 11:15 - 11:35 Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM CB-17 To: BM 58-6
Date: 6 Feb 1961
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	4.448	31.217	106	1.243		7.288	22.636	104	1.239	Summation of Run
	4.342		103			7.184		103		From B.M. CB-17
	4.239		209			7.081		207		To B.M. 58-6
	13.029	4.343		1.452		21.563	7.184		1.446	Total Backsights = + 48.467
7	3.517		105			7.234		103		Total Foresights = − 48.872
	3.412		104			7.131		101		Diff. Elev. = − 0.405
	3.308		209			7.030		204		
	10.237	3.412		1.661		21.395	7.132		1.650	Backsight stadia = 2.093
										~~Foresight Stadia~~ = 2.109
8	4.102		103			6.258		106		Total Stadia = 4.202
	3.999		101			6.152		103		= .27 mi.
	3.898		204			6.049		209		
	11.999	4.000		1.865		18.459	6.153		1.859	
9	5.619		115			5.892		124		BM 58-6
	5.494		113			5.768		126		Mulholland Hwy at Camp
	5.371		228			5.642		250		Bloomfield
	16.484	5.495		2.093		17.302	5.767		2.109	see F.B. 2836-14
		48.467					48.872			

F.B. 1349 P.G. 64

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 10:50 - 11:10 Rod No. 19-20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 58-6 To BM CB-17
Date 10 Feb 1961
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	5.919 5.795 5.671		124 124 248		#19	5.649 5.523 5.399		126 124 250		BM 58-6 Mulholland Hwy at Camp Bloomfield See F.B. 2836-14
	17.385	5.795		.248	70°	16.571	5.524		.250	
2	6.272 6.171 6.069		101 102 203			4.121 4.018 3.912		103 106 209		T LeGault
	18.512	6.171		451		12.051	4.017		.459	
3	7.248 7.145 7.042		103 103 206			3.531 3.428 3.325		103 103 206		
	21.435	7.145		.659		10.284	3.428		.665	
4	7.210 7.108 7.003		102 105 207			4.368 4.263 4.160		105 103 208		
	21.321	7.107		.864		12.791	4.264		.873	
5	7.962 7.845 7.728		117 117 234			4.173 4.053 3.934		120 119 239		
	23.535	7.845		1.098		12.160	4.053		1.112	
		34.063					21.286			

F.B. 13449 P.G. 65

76P526-CE 379—10-57

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

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 10:50 - 11:10 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM58-6 To BMCB-17
Date 10 Feb. 1961
Indexed H. E. Orr

Number of Station	BACKSIGHT Thread 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	5.472	34.063	145	1.098		7.307	21.286	149	1.112	Summation of Run
	5.327		148			7.158		149		From B.M. 58-6
	5.179		293			7.009		.298		To B.M. CB-17
	15.978	5.326		1.391		21.474	7.158		1.410	
7	2.798		116			7.671		104		Total Backsights = + 48.773
	2.682		114			7.567		108		Total Foresights = − 48.368
	2.568		230			7.459		212		Diff. Elev. = + 0.405
	8.048	2.683		1.621		22.697	7.566		1.622	
8	2.323		133			9.178		135		Backsight stadia = 2.106
	2.190		131			9.043		132		Foresight Stadia = 2.112
	2.059		264			8.911		267		Total Stadia = 4.218
	6.572	2.191		1.885		27.132	9.044		1.889	= .27 mi.
9	4.621		111			3.426		112		BM C.B. -17
	4.510		110			3.314		111		Mulholland Hwy 2.45 mi
	4.400		221			3.203		223		N. of Pac. Coast Hwy
	13.531	4.510		2.106		9.943	3.314		2.112	See F.B. 2836-13
		48.773					48.368			

F.B. 1349 P.G. 66

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 Cloudy - Windy Inst. No. 15066
Notes by F. E. Brooks Time 11:45 - 1:15 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 58-6 To BM 58-7
Date 6 Feb 1961
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	5.998		089		#19	4.975		086		BM 58-6
	5.909		089			4.889		087		Mulholland Hwy at Comp.
	5.820		178			4.802		173		Bloomfield
	17.727	5.909		178	70°	14.666	4.889		173	See F.B. 2836-14
2	5.601		185			5.231		183		
	5.416		185			5.048		185		T LeGault
	5.231		370			4.863		368		
	16.248	5.416		548		15.142	5.047		541	
3	5.951		186			4.852		188		
	5.765		184			4.664		188		
	5.581		370			4.476		376		
	17.297	5.766		918		13.992	4.664		917	
4	5.462		185			5.305		186		
	5.277		186			5.119		187		
	5.091		371			4.932		373		
	15.830	5.277		1.289		15.356	5.119		1290	
5	4.308		186			5.328		185		
	4.122		183			5.143		184		
	3.939		369			4.959		369		
	12.369	4.123		1.658		15.430	5.143		1659	
		26.491					24.862			

F.B. 1349 P.G. 67

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 - Windy Inst. No. 15066
Notes by F. E. Brooks Time 11:40 - 1:15 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 58-6 To BM 58-7
Date 6 Feb 1961
Indexed [illegible]

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	3.146	26.491	119	1.658		8.092	24.862	118	1.659	
	3.027		119			7.974		116		
	2.908		238			7.858		234		
	9.081	3.027		1.896		23.924	7.975		1.893	
7	2.264		103			8.138		102		
	2.161		103			8.036		103		
	2.058		206			7.933		205		
	6.483	2.161		2.102		24.107	8.036		2.098	
8	1.802		151			7.278		150		
	1.651		153			7.128		150		1 hr for lunch
	1.498		304			6.978		300		
	4.951	1.650		2.406		21.384	7.128		2.398	
F.B. 349 PG. 68 9	4.742		185			5.984		185		
	4.557		186			5.799		187		
	4.371		371			5.612		372		
	13.670	4.557		2.777		17.395	5.798		2.770	
10	5.322		184			5.459		187		
	5.138		186			5.272		184		
	4.952		370			5.088		371		
	15.412	5.137		3.149		15.819	5.273		3.141	
	43.023					59.072				

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-Windy Inst. No. 15066
Notes by F. E. Brooks Time 11:45-1:15 Rod No. 19-20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM58-6 To BM58-7
Date 6 Feb 1961
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
11	7.227	43.023	148	3.147		2.132	59.072	144	3.141	
	7.079		148			1.988		146		
	6.931		296			1.842		290		
	21.237	7.079		3.443		5.962	1.987		3.431	
12	7.671		076			0.977		082		BM58-7
	7.595		075			0.895		083		Mulholland Hwy 3.10 mi.
	7.520		151			0.812		165		N. of Pac. Coast Hwy.
	22.786	7.595		3.594		2.684	0.895		3.596	See F.B. 2836-15
										Summation of Run From B.M. 58-6 To B.M. 58-7
										Total Backsights = + 57.697 Total Foresights = − 61.954 Diff. Elev. = − 4.257
										Backsight stadia = 3.594 Foresight Stadia = 3.596 Total Stadia = 7.190 = .46 mi.
		57.697					61.954			

F.B. 1349 P.G. 69

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 10:20 - 10:50 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM58-7 To BM58-6
Date 10 Feb 1961
Indexed H. S. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	1.015		079		#19	7.712		074		BM 58-7
	0.936		079			7.638		078		Mulholland Hwy 3.10 mi
	0.857		158			7.560		152		N. of Pac. Coast Hwy.
	2.808	0.936		158	66°	22.910	7.637		152	See F.B. 2836-15
2	2.076		147			7.169		150		
	1.929		146			7.019		148		↑ Le Gault
	1.783		293			6.871		298		
	5.788	1.929		451		21.059	7.020		450	
3	5.473		184			5.339		187		
	5.289		187			5.152		183		
	5.102		371			4.969		370		
	15.864	5.288		822		15.460	5.153		820	
4	5.935		186			4.691		188		
	5.749		188			4.503		184		
	5.561		374			4.319		372		
	17.245	5.748		1196		13.513	4.504		1.192	
5	7.327		150			1.851		152		
	7.177		151			1.699		154		
	7.026		301			1.545		306		
	21.530	7.177		1499		5.095	1.698		1.498	
		21.078					26.012			

F.B. 3149 P.G. 70

76PS26-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: 10:20 - 10:50 Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 58-7 To: BM 58-6
Date: 10 Feb 1961
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	8.171	21.078	102	1.497		2.298	26.012	105	1.498	
	8.069		102			2.193		102		
	7.967		204			2.091		207		
	24.207	8.069		1.701		6.582	2.194		1.705	
7	8.159		117			3.215		120		
	8.042		117			3.095		119		
	7.925		234			2.976		239		
	24.126	8.042		1.935		9.286	3.095		1.944	
8	5.291		183			4.271		185		
	5.108		187			4.086		185		
	4.921		370			3.901		370		
	15.320	5.107		2.305		12.258	4.086		2.314	
9	5.274		185			5.431		186		
	5.089		188			5.245		186		
	4.901		373			5.059		372		
	15.264	5.088		2.678		15.735	5.245		2.686	
10	4.781		187			5.879		183		
	4.594		186			5.696		185		
	4.408		373			5.511		368		
	13.783	4.594		3.051		17.086	5.695		3.054	
		51.978					46.327			

F.B. 1349 P.G. 71

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: Overcast — Inst. No. 15066
Notes by: F. E. Brooks — Time: 10:20 - 10:50 — Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM 58-7 To: BM 58-6
Date: 10 Feb. 1961
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
11	5.161	5.978	182	3.051		5.534	46.327	185	3.054	
	4.979		181			5.349		187		
	4.798		363			5.162		372		
	14.938	4.979		3.414		16.045	5.348		3.426	
12	4.871		086			5.892		087		BM 58-6
	4.785		086			5.805		089		Mulholland Hwy at Camp
	4.699		172			5.716		176		Bloom field.
	14.355	4.785		3.586		17.413	5.804		3.602	See F.B. 2836-14
										Summation of Run From B.M. 58-7 To B.M. 58-6
										Total Backsights = + 61.742 Total Foresights = − 57.479 Diff. Elev. = + 4.263
										Backsight stadia = 3.586 Foresight Stadia = 3.602 Total Stadia = 7.188 = .46 mi.
		61.742					57.479			

F.B. 1349 PG. 72

76S420 S & E-353 4-54

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

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
BM CB-17	411.645					BM CB-17 F.B. CB26-13
+	2.882		2.877			Mulholland Hwy 2.45 mi N. of
Π	414.527	-1.198	-1.996	97		Pac. Coast Hwy
−	4.080		4.073			
TP 1	410.447					
+	8.530		8.511			
Π	418.977	+6.856	+6.856	56		Time 2:05 - 2:40
−	1.674		1.655			
TP 2	417.303					
+	7.219		7.202	~~7.222~~		
Π	424.522	+4.881	+4.882	~~+4.892~~	8V	Hilger and Watts
−	2.338		2.320	~~2.330~~		Auto set # 133600
TP 3	422.184					
+	6.760		6.768			
Π	428.944	+1.831	+1.831	31		
−	4.929		4.937			
TP 4	424.015					
+	3.628		3.632			
Π	427.643	-3.791	-3.791	91		
−	7.419		7.423			
TP 5	420.224					
+	3.844		3.834			
Π	424.068	-2.843	-2.842	84		
−	6.687		6.676			
TP 6	417.381					
+	2.951		2.917			
Π	420.332	-3.718	-3.718	18		
−	6.669		6.635			
TP 7	413.663					

NOTES RED. _____ JOB NO. 0301.02 SURVEY OF L.A. Co. Precise Level Net
DATE _____ SURVEY BY E. E. Brooks
NOTES CHKD. H. J. AMBERS NOTES BY F E B DATE 9 Feb 1961
DATE _____ INDEXED H. E. OH DATE _____

F. B. 1349 Pg. 73

768420 S & E-353 4-54

PLEASE RETURN TO
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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP 7	413.663					
+	3.571		3.578			
π	417.234	-2.152	-2.153	52		
−	5.723		5.731			
TP 8	411.511					
+	5.081		5.087			
π	416.592	-0.272	-0.272	12		
−	5.353		5.359			
BM 58-6	411.239					BM58-6 F.B. 2836-14
	411.605					Mulholland Hwy at Camp
						Bloomfield.
	~~-.406~~					
	-.403					

JOB NO. 0301.02 SURVEY OF LA. Co. Precise Level Net NOTES RED
SURVEY BY F. E. Brooks DATE
NOTES BY DATE NOTES CHKD
INDEXED H. E. OTT DATE DATE

F. B. 1349 PG. 74

76S420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
BM 58-6	411.239					BM 58-6 F.B. 2836-14
+	5541		+5.555			Mulholland Hwy.
π	416.780	+1.020	1.022	21		at Camp Bloomfield
−	4521		-4.533			
TP 1	412 259					
+	4971		+4981			
π	417 230	+0.370	0.368	69		Time 9:40 A.M. start
−	4601		-4.613			10:50 " " finish
TP 2	412 629					
+	5497		+5479			
π	416.126	+1.099	+1.098	98		
−	4396		-4381			Hilger and Watts
TP 3	413 728					Auto set # 1336 00
+	4888		4863			
π	418 616	+0.156	+0.155	56		
−	4732		-4708			
TP 4	413 884					
+	3875		+3.840			
π	417 759	-1.021	-1.022	22		
−	4896		-4.862			
TP 5	412 863					
+	2703		+2.720			
π	415 566	-4.947	4.948	48		
−	7650		-7.668			
T.P.-6	407 916					
+	1838		+1.848			
π	409 754	-5.873	-5.874	74		
−	7711		7.722			
T.P.-7	402 043					

NOTES RED _____ JOB NO. 0301.02 SURVEY OF L.A. Co. Precise Level Net
DATE _____ SURVEY BY E. E. Brooks
NOTES CHKD H. J. AMBERS NOTES BY A.P.B. DATE _____
DATE _____ INDEXED H. E. OTT DATE _____

F.B. 1349 Pg. 75

765420 S & E-353 4-54

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NOTES RED ____ DATE ____ NOTES CHKD ____ DATE ____

SURVEY OF ____ DATE ____ DATE ____

JOB NO. ____ SURVEY BY ____ NOTES BY ____ INDEXED ____

F.B. 1349 PG. 76

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP 7	402.643					
+	1.297	/	+1.297	/		
Π	403.334	-3.407	-5.475	76		
−	6.768		-6.772			
TP 8	396.562					
+	4.126	/	+4.112	/		
Π	400.694	-1.244	-1.244	44		
−	5.372		-5.356			
TP 9	395.322					
+	4.726	/	+4.671	/		
Π	400.048	-0.133	-0.133	33		
−	4.859		-4.824			
TP 10	395.189					
+	6.599	/	+6.582	/		
Π	401.788	+5.091	+5.091	91		
−	1.508		-1.491			
TP 11	400.280					
+	7.211	/	+7.187	/		
Π	407.491	+2.400	+6.701	00		
−	0.511		-6.456			
BM58-7	406.980					BM 58-7 F.B. 2836-15
	411.239					Mulholland Hwy. 3.10 mi
	-4.259					N. of Pac. Coast Hwy.
	62					

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
BM CB-17	411.645					BM CB-17 F.B. 2836-13
+	3.108		3102			Mulholland Hwy 2.45 mi N. of
⊼	414.753	-1196	-1199	98		Pac Coast Hwy.
−	4.304		4301			
TP 1	410.449					
+	8901		8908			
⊼	419350	+6854	+6856	55		Time 11:00 - 11:35
−	2.047		2052			
TP 2	417.303					
+	7579		7586			
⊼	424.882	+4881	+4882	82		
−	2698		2704			Carl Zeiss # 15066
TP 3	422.184					
+	7078		7089			
⊼	429.262	+1833	+1831	32		
−	5245		5258			
TP 4	424.017					
+	3.960		3971			
⊼	427.977	~~+3793~~	~~+3793~~	93		
−	7753		7764			
TP 5	420224					
+	4162		4153			
⊼	424.386	-2842	-2841	42		
−	7.004		6994			
TP 6	417.382					
+	3263		3268			
⊼	420.645	-3717	3718	18		
−	6.980		6986			
TP 7	413665					

NOTES RED _____ JOB NO. 0301.02 SURVEY OF L.A. Co. Precise Level Net
DATE _____ SURVEY BY F. E. Brooks
NOTES CHECKED H. LAMBERS NOTES BY A&B DATE _____
DATE _____ INDEXED H. E. OTT DATE _____

F.B. 1349 PG. 77

768420 S & E-653 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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JOB NO. 0301.02 SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks
NOTES BY E. E. Ott
INDEXED

NOTES RED DATE
NOTES CHKD. DATE

F. B. 138 PG. 78

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP 7	413.665					
+	3949		3953			
π	417614	-2152	2153	52		
-	6.101		6106			
TP 8	411.513					
+	5369		5373			
π	416.882	-0272	-0275	134		
-	5.641		5648			
BM 58-6	411.241					BM58-6 F.B. 2836-14 Mulholland Hwy at Camp Bloomfield
	411.645					
	2180					

76S420 S & E-353 4-54

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LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
BM58-6	411.239					BM58-6 F.B. 2836-14
+	5.874					Mulholland Hwy at Camp
π	417.113		+5.895			Bloomfield
−	4.656	+1.015	+1.019	018		
TP 1	412.257		−4.876			π [illegible]
+	5.373		+5.391			
π	417.630	+0.369	−0.370	370		Time A.M. 11:45 Start
−	5.004		−5.031			12:35 P.M. Finish
TP 2	412.626					
+	5.673		+5.639			
π	418.299	+1.101	−1.099	100		
−	4.572		−4.540			
TP 3	413.727					
+	5.248		+5.220			
π	418.975	+0.156	+0.156	157		Carl Zeiss #15066
−	5.090		−5.064			
TP 4	413.885					
+	4.215		+4.192			
π	418.100	−1.030	−1.022	121		
−	5.235		5.214			
TP 5	412.865					
+	3.073		+3.051			
π	415.938	−4.9[illegible]	−4.948	948		
−	8.021		−7.9[illegible]			
TP 6	407.917					
+	2.163		+2.138			
π	410.080	−5.876	−5.873	874		
−	8.039		−8.011			
TP 7	402.041					

NOTES RED _____ JOB NO. 0301.02 SURVEY OF L.A. Co. Precise Level Net
DATE _____ SURVEY BY E.E. Brooks
NOTES CHKD. H. J. AMBERS NOTES BY A.R.B. DATE _____
DATE _____ INDEXED H. E. OTT DATE _____

F.B. 1349 PG. 79

768420 S & E-353 4-54

PLEASE RETURN TO
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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
TP 7	402.041					
+	1.660		+ 1.640			
⊼	403 701	-5.478	- 5.477	478		
-	7.138		-7.117			
TP 8	396 563					
+	4 538		+ 4.519			
⊼	401 101	-1.242	- 1.244	243		
-	5 760		- 5.763			
TP 9	395.321					
+	5 104		+ 5.078			
⊼	400425	- 0.135	- 0.133	133		
-	5 239		- 5.211			
TP 10	395.186					
+	7 065		7.028			
⊼	402 251	+ 5.090	+ 5.090	090		
-	1 975		1.938			
TP-11	400 276					
+	7 671		+ 7.635			
⊼	407 947	+ 6.701	- 6.701	701		
-	0.970		- 0.934			
BM 58-7	406.977					BM 58-7 F.B. 2836-15
	411 239					Mulholland Hwy 3.10 mi N.
	-4.262					of Pac. Coast. Hwy.

NOTES RED ____ DATE ____
NOTES CHKD. ____ DATE ____
JOB NO. 0301.02 SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks
NOTES BY A. R. Bartlotti DATE ____
INDEXED H. E. Ott DATE ____
F. B. 1349 PG. 80

763098 CE #247—7-53

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Technical Data Comparison

Items	Zeiss Ni2 # 15066	Watts Autoset # 133600
Magnification	32	32
Aperture		1 9/16" (40mm)
Field of view		1° 20'
Short focusing distance	11 ft.	6 ft. (1.8meter)
Stadia constant	0.3:100	0.3:100 or 1:100
	0.333~~5~~4:100 actual	1.0008:100 actual
Addition constant	0	0
Telescope image	Erect	Erect
Range of stabiliser		± 20 min.
Circular bubble sensitivity		8 min/mm
Overall length of telescope		10½" (26.7 cm)
Height of instrument		5¼" (13.4 cm)
Weight of instrument		6½ lb. (3½ kg)

Notes Ck'd by H. J. AMBERS
Map No.
Office Work
Checked
Date

Supply Precise Levels
JN 0301.02 Tape Std. °F
Surveyed by F. E. Brooks
Notes F. E. Brooks Date Feb 61
Indexed H. E. OTT

F. B. 1349 PG. 81

F. B. 1349 PG. 82

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763098 CE #247—7-53

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Time Requirement For Runs

2 Direction	3 Wire	Zeiss Ni2 # 15066	Watts Autoset #133600
0.27 miles	eastbound	20 min	30 min
0.27 miles	westbound	20 min	30 min
	Total time	40 min	60 min
0.45 miles	eastbound	30 min	45 min
0.45 miles	westbound	30 min	40 min
	Total time	60 min	85 min

Single wire 1st and 2nd run differences	Zeiss Ni2 # 15066	Watts Autoset # 133600
0.27 miles	25 min	35 min
0.45 miles	50 min	70 min

Notes Ck'd by H. J. AMBERS
Map No.
Office Work
Checked
Date

Survey of Precise Levels
JN 0301.02 Tape Std °F
Surveyed by F. E. Brooks
Notes F. E. Brooks Date Feb 61
Indexed H. E. Ott

F.B. 1349 PG 83

RETURN TO
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Differences of Elevation

2 direction 3 wire	Zeiss Ni2 # 15066	Watts Autoset # 133600
0.27 miles eastbound	-0.40~~5~~8 ft.	-0.400 ft.
0.27 miles westbound	+0.405 ft.	+0.403 ft.
0.45 miles eastbound	-4.257 ft.	-4.259 ft.
0.45 miles westbound	+4.263 ft.	+4.256 ft.

Single wire 1st and 2nd run differences	Zeiss Ni2 # 15066	Watts Autoset # 133600
0.27 miles	-0.40~~4~~6 ft.	-0.40~~5~~3 ft.
0.45 miles	-4.262 ft.	-4.25~~9~~62 ft.

FB 1349 PG. 84

Notes Ck'd by	Survey of Precise Levels	F. B. 1349 Pg. 85
Map No.	JN 0301.02 Temp. Std. °F	
Office Work	Surveyed by E. E. Brooks	
Checked	Notes F. E. Brooks Date 13 Feb 61	
Date	Indexed H. E. Ott	

Clarity of optics

Both instruments sharp across the field.

Fineness of the hairs

The hairs in the Watts are to course to be used at reading a rod to 1/1000th of a foot at distances greater than 125 feet. In making the stadia check the rod had to be read 3 to 4 times in order to close the readings at distances above 165 feet.

Tripod

The tripod of the Watts is to short which makes the instrument tireing to operate. Also it is not as stable in a wind as the Zeiss tripod.

General observations

The Watts is easy to set up and the location of the controls is allright. On each run as shown by the times on page 83 the Watts shows a longer time required. This could be caused by the course hairs and or a lack of familiarty with the instrument. The instrument appears to be well built and should make a good replacement for the dumpy levels. The hairs are to course for use on a precise level party. If the price is comparable the Zeiss would be a better buy.

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76F3095 SAE #247 11-58

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F. B. 1349 PG. 86

Notes Ck'd by J. F. McMILLAN	Survey of L.A. Co. Precise Level Net F. B. 1349 PG. 87
Map No.	JN Tape Std °F
Office Work	Surveyed by FE Brooks
Checked	Notes FEB Date 23 Mar 1961
Date	Indexed H. E. OTT 12 61

J. N. 0301.02

L.A. Co. Precise Level Net

Peg Check and Stadia Determination of Sokkisha Model AL 2 Instrument Numbers
32 116
32 103
32 114

F.E. Brooks
D. Le Gault
AR Barilotti
R.R. Rodriguez
GR Esquer

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76F3095 CE #247—3-57

F. B. 1349 Pg. 88

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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 Windy — Inst. No. 32116
Notes by: F. E. Brooks — Time: 10:00 – 10:10 — Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No: 0301.02
From: To:
Date: 23 March 1961
Indexed: H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.099		.147			6.322		.147		Peg check of Sokkisha
	3.952		.145			6.175		.148		Model AL-2 No. 32116
	3.805		.294			6.027		.295		
	11.856	3.952				18.524	6.175			
	S Rod #20					N Rod #19				T LeGault
	5.084		.017			7.607		.315		+ 3.952 + 5.070
	5.070		.018			7.292		.319		− 6.175 − 7.291
	5.052					6.973				− 2.223 − 2.221
	15.209	5.070				21.872	7.291			.001

F.B. 1349 P.G. 89

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 Windy Inst. No. 32103
Notes by F. E. Brooks Time 10:10 - 10:25 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From ..... To .....
Date 23 March 1961
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.224		.148			6.447		.149		Peg check of Sokkisha Model AL-2 No. 32103
	4.076		.148			6.298		.147		
	3.928		.296			6.151		.296		
	12.228	4.076				18.896	6.299			
		S. Rod #20					N. Rod #19			π Barilotti
	5.047		.017			7.571		.317		+ 4.076 + 5.030
	5.030		.017			7.254		.316		- 6.299 - 7.254
	5.013		.034			6.938		.633		- 2.223 - 2.224
	15.090	5.030				21.763	7.254			.001

F.B. 1349 P.G. 90

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 - Windy Inst. No.: 32116
Notes by: F. E. Brooks Time: 11:05 - 11:40 Rod No.: 19

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: To:
Date: 23 March 1961
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
135	3.152 2.952 2.752		.200 .200 .400			135/400 = 33 8				Stadia factor Check of Sokkisha Model AL 2 No. 32116
165	2.958 2.712 2.468		.246 .244 .490			165/490 = 337				T LeGault
195	2.752 2.462 2.172		.290 .290 .580			195/580 = 336				1.681/5 = 3362
225	2.691 2.358 2.021		.333 .337 .670			225/670 = 336				975/2900 = 3362
255	2.578 2.198 1.818		.380 .380 .760	2900		255/760 = 335 6				Stadia Factor = 3362
975						1.68X3				

F.B. 13449 P.G. 91

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 - Windy Inst. No. 32103
Notes by F. E. Brooks Time 11:10 - 11:20 Rod No. 19

Name L.A. Co. Precise Level Net
Job No. 0301.02
From To
Date 23 March 1961
Indexed B.E.O.

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
135	2.855 2.655 2.455		.200 .200 .400			135 ~~200~~ 400	= 338			Stadia factor check of Sokkisha model AL 2 No. 32103
165	2.660 2.415 2.172		.245 .243 .488			165 488	= 338			π Le Gault
195	2.453 2.165 1.878		.288 .287 .575			195 575	= .340			1.684 / 5 = .3368 975 / 2.898 = .3364 Stadia Factor = 3366
225 (F.B. 1349 P.G. 92)	2.395 2.058 1.720		.337 .338 .675			225 675	= 333			
253	2.280 1.901 1.520		.379 .381 .760	2.898		255 760	= 336			
	975						1.684			

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 - Windy Inst. No. 32114
Notes by F. E. Brooks Time 10:25 - 10:45 Rod No. 19-20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From To
Date 23 March 1961
Indexed H. E. on

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4.331		.151			6.552		.150		Peg check of Sokkisha
	4.180		.149			6.402		.149		Model AL-2 No. 32114
	4.031		~~.296~~ .300			6.253		.299		
	12.542	4.181				19.207	6.402			
	S. Rod #20					N. Rod #19				T LeGault T Barilotti
	5.303		.017			7.788		.316		+ 4.181 + 5.285
	5.286		.019			7.472		.315		- 6.402 - 7.472
	5.267					7.157				- 2.221 - 2.187
	15.856	5.285				22.417	7.472			.034 .034
	5.306		.019			7.820		.318		.005
	5.287		.019			7.502		.314		+ 5.287
	5.268					7.188				- 7.503
	15.861	5.287				22.510	7.503			- 2.216

F.B. 1349 P.G. 93

76P526-CE 379—10-37

LOS [redacted]

700 Los A[redacted]

[redacted]S ON THIS
[redacted]RCLED IN
[redacted]NAME OF

Chief of Party F. E. Brooks Wea[redacted] In[redacted]. No. [redacted]

Notes by F. E. Brooks Time 10:55 - 11:00 Rod No. 19

Name

Job No. 0301.02

From To

Date 23 March 1961

Indexed H. E. OTI

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
135	3.135 2.935 2.735		.200 .200 400	.400		135/400	= .338			Stadia Factor Check of Sokkisha model AL 2 No. 32114
165	2.939 2.692 2.448		.247 .244 .491	.491		165/491	= .336			T Le Gault
195	2.732 2.441 2.151		.291 .290 .581	.581		195/581	= .336			1.680/5 = .336 } .3358
225	2.672 2.335 2.001		.337 .334 .671	.671		225/671	= .335			975/2.904 = .3357
255	2.558 2.178 2.797		.380 .381 .761	.761		255/761	= .335			Stadia Factor = 3358
975				2.904			1.680			