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

Survey of
W. O. Type No. Bf'd
Surveyed by
Notes Date
Indexed

F. B. Pg.

1377

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

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

Do not extend notes this side of this line.

F.B. Pg.

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:35-2:20 P.M. Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-28 To BM 11-30
Date 2-28-52
Indexed C. Johnson 3-26-52

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	7143		212		#7	3549		214		BM 11-28
	6931		210			3335		213		SEE F.B. 1376-37
	6721		422 ✓			3122		427 ✓		FOR DESCRIPTION
1	20795 ✓	6.932 ✓		.422 ✓	74°	10006 ✓	3.335 ✓		427 ✓	
	7142		211			4066		213		TGE DREIER
	6931		210			3853		212		
	6721		421 ✓			3641		425 ✓		
2	20794 ✓	6.931 ✓		843 ✓		11560 ✓	3.853 ✓		852 ✓	
	7906		213			3116		212		
	7693		211			2903		211		
	7482		424 ✓			2692		423 ✓		
3	23081 ✓	7.694 ✓		1267 ✓		8710 ✓	2.903 ✓		1275 ✓	
	7919		213			3596		213		
	7706		212			3383		212		
	7494 ✓		425 ✓			3171 ✓		425 ✓		
4	23119 ✓	7.706 ✓		1692 ✓		10150 ✓	3.383 ✓		1700 ✓	
	7396		213			3130		212		
	7183		212			2918		213		
	6971		425 ✓			2705		425 ✓		
5	21550 ✓	7.183 ✓		2117 ✓		8753 ✓	2.918 ✓		2125 ✓	
		30.446 ✓					16.392 ✓			

F.B. 1377 PG. 3

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:35-2:20 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-28 To BM 11-30
Date 11-28-52
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	8131	36.446	212	2.117		3404	6.392	213	2.125	
	7919		215			3191		211		
	7704		427			2980		424		
6.	23754	7.918		2.544		9575	3.192		2.549	
	6814		212			3982		213		
	6602		212			3769		212		
	6390		424			3557		425		
7.	19806	6.602		1.968		11308	3.769		1.974	
	6404		185			4071		186		
	6219		187			3885		185		
	6032		372			3700		371		
8.	18655	6.218		3.340		11656	3.885		3.345	
	7290		188			4209		187		
	7102		186			4022		189		
	6916		374			3833		376		
9	21308	7.103		3.714		12064	4.021		3.721	
	7634		187			3839		187		
	7447		188			3652		189		
	7259		375			3464		375		
10	22340	7.447		4.089		10955	3.652		4.096	
		71.734					34.911			

F.B. 1377 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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S SHINODA Time 1:35-2:20PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-28 To BM 11-30
Date 2-28-5[illegible]
Indexed [illegible] C Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
		71.734 ✓		4.089 ✓			34.911 ✓		4096 ✓	
										BM 11-29
										SEE F.B 1376-30
										FOR DESCRIPTION
	5808		047			4923		047		
	5761		048			4876		048		SUMMATION OF RUN
	5713		095 ✓			4828		095 ✓		BM 11-28 TO BM 11-30
11.	17282 ✓	5.761 ✓		4184 ✓	76°	14627 ✓	4876 ✓		4191 ✓	
										TOTAL BACKSIGHTS +77.495 ✓
										" FORESIGHTS -39.787 ✓
										DIFF IN ELEVATION +37.708 ✓
										B.M. 11-30 ([illegible]) [illegible] 10/3/63
										SEE F B 1376-30
										FOR DESCRIPTION
		77.495 ✓					39.787 ✓			

F.B. 1377 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 H. F. RAUMANN 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. 1377 PG. 8

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:20-3:15 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-30 To BM 11-28
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
	4933		047			5818		047		
	4886		048			5771		048		BM 11-30 (~~[illegible]~~) WE 10/3/60
	4838		095			5723		095		SEE F.B. 1376-30
1	14657	4.886		.095		17312	5.771		.095	FOR DESCRIPTION
										⊼ G.E. DREIER
										B.M. 11-29
										SEE F.B. 1376-30
										FOR DESCRIPTION
	3832		186			7632		187		
	3646		186			7445		187		
	3460		372			7258		374		
2	10938	3.646		.467		22335	7.445		.469	
	4132		186			7209		187		
	3946		188			7022		187		
	3758		374			6835		374		
3	11836	3.945		.841		21066	7.02		.843	
	3957		185			6293		186		
	3772		184			6107		185		
	3588		369			5922		371		
4	11317	3.772		1.210		18322	6.107		1.214	
		16.249					26.345			

F.B. 1377 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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:20-3:15 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-30 To BM 11-28
Date 11-28-52
Indexed L. C. Johnson

F.B. 1377 PG. 10

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	3883	16249 ✓	212	1210 ✓		6713	26345 ✓	212	1214 ✓	
	3671		210			6501		211		
	3461		422 ✓			6290		423 ✓		
5	11015 ✓	3.672 ✓		1632 ✓		19504 ✓	6.501 ✓		1637 ✓	
	3279		211			8009		215		
	3068		211			7794		212		
	2857		422 ✓			7582		427 ✓		
6	9204 ✓	3.068 ✓		2054 ✓		23385 ✓	7.795 ✓		2064 ✓	
	3173		212			7441		213		
	2961		212			7228		212		
	2749		424 ✓			7016		425 ✓		
7	8883 ✓	2.961 ✓		1478 ✓		21685 ✓	7.228 ✓		2489 ✓	
	3479		213			7802		212		
	3266		213			7590		212		
	3053		426 ✓			7378		424 ✓		
8	9798 ✓	3.266 ✓		2904 ✓		22770 ✓	7.590 ✓		2913 ✓	
	3174		212			7959		210		
	2962		213			7749		210		
	2749		425 ✓			7539		420 ✓		
9	8885 ✓	2.962 ✓		3329 ✓		23247 ✓	7.749 ✓		3335 ✓	
		32.178 ✓					63.208			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50610
Notes by S. SHINODA Time 2:20-3:15PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-30 To B.M. 11-28
Date 2-28-52
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4091	32.178 ✓	212	3.379 ✓		7170	63.208 ✓	211	3.333 ✓	
	3879		212			6959		209		
	3667		424 ✓			6750		420 ✓		
10	11637 ✓	3.879 ✓		3753 ✓		20879 ✓	6.960 ✓		3753 ✓	
	3526		214			7120		212		B.M. 11-29
	3312		212			6908		212		SEE F.B. 1376-29
	3100 ✓		426 ✓			6696 ✓		424 ✓		FOR DESCRIPTION
11	9938 ✓	3.313 ✓		4179 ✓	68°	20724 ✓	6.908 ✓		4177 ✓	
										SUMMATION OF RUN
										B.M. 11-30 TO B.M. 11-28
										TOTAL BACKSIGHTS +39.370 ✓
										" FORESIGHTS -77.076 ✓
										DIFF. IN ELEVATION -37.706 ✓
		39.370 ✓					77.076 ✓			

F.B. 1372 PG. 11

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN 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. 1377 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 H. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by G.E. DREIER Time 10:15 TO 12:05 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-30 To B.M. 11-34
Date 2-29-52
Indexed E. C. Johnson

Number of Station	BACKSIGHT Thread Readings	* Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	7704		211			3830		212		B.M. 11-30
	7493		211			3618		213		SEE F.B. 1376-30
	7282		422			3405		425		FOR DESCRIPTION
1	22479	7.493		422	62°	10853	3.618		425	
	7502		212			3665		215		T E. LANDA
	7290		212			3450		212		
	7078		424			3238		427		
2	21870	7.290		846		10353	3.451		852	
	7718		215			3132		214		
	7503		211			2918		216		
	7292		426			2702		430		
3	22513	7.504		1272		8752	2.917		1282	
	7732		213			4145		213		
	7519		212			3932		213		
	7307		425			3719		426		
4	22558	7.519		1697	57°	11796	3.932		1708	
	7838		216			3935		214		
	7622		212			3721		211		
	7410		428			3510		425		
5	22870	7.623		2125		11166	13.722		2133	
		37429					17640			

F.B. 1377 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 H. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by C. F. DREIER Time 10:15 TO 12:[illegible] Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-30 To B.M. 11-34
Date 2-29-52
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	2.333	37.429 ✓	212	2125 ✓		4138	17.640 ✓	216	2133 ✓	
	2.121		209			3922		214		
	6.912 ✓		421 ✓			3.708 ✓		430 ✓		
6	21.366 ✓	7.122 ✓		2.546 ✓		11.768 ✓	3.923 ✓		2563 ✓	
	3.150		213			3.138		214		
	2.937 ✓		214			2.924		212		
	2.723		427 ✓			2.712 ✓		426 ✓		
7	8.810	2.937 ✓		2.973 ✓		8.774 ✓	2.925 ✓		2989 ✓	
	8385		215			2.845		215		
	8.120		212			2630		212		
	7.958 ✓		427 ✓			2418 ✓		427 ✓		
8	24.513 ✓	8.171 ✓		3.400 ✓		7.893 ✓	2.631 ✓		3.416 ✓	
	7732		217			4052		210		
	7515		216			3.840		208		
	7299 ✓		433 ✓			3.632 ✓		418 ✓		
9	22546 ✓	7.515 ✓		3.833 ✓		11.522 ✓	3.841 ✓		3.834 ✓	
										B.M. 11-31
										SEE F.B. 1376-31
										FOR DESCRIPTION
		63174 ✓					30.960 ✓			

F.B. 1377 PG. 12

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 H. F. NAUMANN Weather OVERCAST LIGHT RAIN Inst. No. 50010
Notes by C. E. DREIER Time 10:15 TO 12:05 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-30 To B.M. 11-34
Date 2-29-52
Indexed H. F. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	9.130	63.174	212	3.833		3.288	30.960	216	3.834	
	8.918		216			3.072		212		
	8.702		428			2.860		428		
10	26.750	8.917		4.261		9.220	3.073		4.262	
	7.548		214			2.928		228		
	7.330		211			2.700		228		
	7.119		425			2.472		456		
11	21.993	7.331		4.686		8.100	2.700		4.718	
	7.848		248			3.675		235		
	7.600		250			3.440		232		
	7.350		498			3.208		467		
12	22.798	7.599		5.184		10.323	3.441		5.185	
		87.021					40.174			B.M. 11-32 SEE F.B. 1376-31 FOR DESCRIPTION
	7.682		154			3.634		154		
	7.528		156			3.480		155		
	7.372		310			3.325		309		
13	22.582	7.527		5.494		10.439	3.480		5.494	
		94.548					43.654			

F.B. 1377 PG. 15

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 H. F. NAUMANN Weather OVERCAST & LIGHT RAIN Inst. No. 50010
Notes by G.E. DREIER Time 10:15 TO 12:05 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-30 To B.M. 11-34
Date 2-29-52
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
	7309	94.548 ✓	167	5494 ✓		4859	43.654 ✓	168	5494 ✓	
	7142		164			4691		166		
	6978		331			4525		334 ✓		
14	21.429 ✓	7.143 ✓		5825 ✓		14.075 ✓	4.692 ✓		5.828 ✓	
		101.691 ✓					48.346 ✓			B.M. 11-33 (U.S.283) SEE F.B. 1376-32 FOR DESCRIPTION
	8.983		214			3.158		215		
	8.769		211			2.943		213		
	8.558 ✓		425 ✓			2.730 ✓		428 ✓		
15	26.310	8.770 ✓		6.250 ✓		8.831 ✓	2.944 ✓		6.256 ✓	
	6.798		214			2.922		213		
	6.584		212			2.709		211		
	6.372 ✓		426 ✓			2.498 ✓		424 ✓		
16	19.754	6.585 ✓		6.676		8.129 ✓	2.710 ✓		6.680 ✓	
	7.295		213			2.638		215		
	7.082		212			2.423		211		
	6.870 ✓		425 ✓			2.212 ✓		426 ✓		
17	21.247	7.082 ✓		7.101		7.273 ✓	2.424 ✓		7.106 ✓	
		124.128 ✓					~~56.244~~ 56.424 ✓			

F.B. 1377 PG. 16

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 H. F. NAUMANN Weather CLEARING Inst. No. 50010
Notes by G. E. DREIER Time 10:15 TO 12:05 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-30 To B.M. 11-34
Date 2-29-52
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
	6.462	124128 ✓	164	7.101 ✓		3.260	~~56.424~~	161	7.106	
	6.298		163			3.099	56.424 ✓	161	✓	
	6.135		327 ✓			2.938		322 ✓		
18	18.895 ✓	6.298 ✓		7.428 ✓		9.297 ✓	3.099 ✓		7.428 ✓	
	6.371		159			4.338		159		
	6.212		158			4.179		157		B.M. 11-34
	6.054		317 ✓			4.022		316 ✓		SEE F.B. 1376
19	18.637 ✓	6.212 ✓		7.745 ✓		12.539 ✓	4.180 ✓		7.744 ✓	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 11-30 TO B.M. 11-34
										TOTAL BACKSIGHTS = 136.638 ✓
										TOTAL FORESIGHTS = 63.703 ✓
										DIFF IN ELEVATION = 72.935 ✓
		136638 ✓					~~63.525~~ 63.703 ✓			

F.B. 1377 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 H. F. NAUMANN Weather Inst. No.
Notes by G. E. DREIER Time Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-30 To B.M. 11-34
Date 2-29-52
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

F.B. 1377 PG. 18

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by C. E. DREIER Time 1:00 - 2:00 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 41923
From B.M. 11-34 To B.M. 11-30
Date 2-29-32
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
	4,350		158		#7	6 380		159		B.M. 11-34
	4192		154			6.221		159		SEE F.B. 1376-33
	4038		312			6 062		318		FOR DESCRIPTION
1	12.580	4.193		312	62°	18,663	6221		318	
	3.262		163			6.461		161		
	3.099		161			6,300		160		A. E. LANDA
	2,938		324			6,140		321		
2	9,299	3.100		636		18901	6,300		639	
	2.682		214			7,333		212		
	2468		213			7.121		213		
	2,255		427			6,908		425		
3	7,405	2.468		1,063		21,362	7121		1,064	
	2.948		213			6.825		213		
	2735		212			6.612		212		
	2,523		425			6400		425		
4	8,206	2,735		1,488		19,837	6,612		1489	
	2,795		215			8,615		213		
	2580		214			8,402		212		
	2,366		429			8,190		425		
5	7,741	2580		1,917		25,207	8,402		1,914	
		15.076					34.656			

F.B. 1377 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 H. F. NAUMANN Weather CLOUDY / RAIN / Inst. No. 50010
Notes by G EDREIER Time 1:00 - 2:00 Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-34 To B.M. 11-30
Date 2-29-52
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
	—	15.076 ✓	—	1.917 ✓		—	34.656 ✓	—	1.914 ✓	B.M. 11-33 (U.S. 283) SEE F.B. 1376-32 FOR DESCRIPTION
	4.609		167			7.064		166		
	4.442		164			6.898		168		
	4.278		331 ✓			6.730		334 ✓		
6	13.329 ✓	4.443 ✓		2.248 ✓		20.692 ✓	6.897 ✓		2.248 ✓	
	3.550		155			7.594		154		
	3.395		155			7.440		155		
	3.240		310 ✓			7.285		309 ✓		
7	10.185 ✓	3.395 ✓		2.558 ✓	63°	22.319 ✓	7.440 ✓		2.557 ✓	TOPPED 2:00 RAIN 2-29-52
	—	22.910 ✓	—			—	48.993 ✓	—		B.M. 11-32 SEE F.B. 1376-31 FOR DESCRIPTION
	3.598		242			7.761		243		
	3.356		238			7.518		243		
	3.118		480 ✓			7.275		486 ✓		
8	10.072 ✓	3.357 ✓		3.038 ✓	51°	22.554 ✓	7.518 ✓		3.043 ✓	STARTED 3-3-52 8:30 A.M.
		26.271 ✓					56.511 ✓			

F.B. 1377 PG. 20

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by G. E. DREIER Time 8:30 TO Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-34 To B.M. 11-30
Date 3-3-52
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
	2.858	26.271 ✓	228	3.038 ✓		7.512	56.511 ✓	212	3.043 ✓	
	2670		228			7.300		215		
	2.442		456 ✓			7.085		427 ✓		
9	8.910 ✓	2.670 ✓		3.494 ✓	51°	21.897 ✓	7.299 ✓		3.470 ✓	
	2830		210			8.682		218		
	2.620		210			8.464		214		
	2.410 ✓		420 ✓			8.250		432 ✓		
10	7.860	2.620 ✓		3.914 ✓		25396 ✓	8.465 ✓		3.902 ✓	
		31.561 ✓					72.275 ✓			B.M. 11-31 SEE F.B. 1376-31 FOR DESCRIPTION
	3889		209			7.564		215		
	3680		210			7.349		214		
	3.470 ✓		419 ✓			7.135 ✓		429 ✓		
11	11.039 ✓	3.680 ✓		4.333 ✓		22.048 ✓	7.349 ✓		4.331 ✓	
	2.495		214			8.040		212		
	2281		213			7.828		213		
	2.068 ✓		427 ✓			7.615 ✓		425 ✓		
12	6.844 ✓	2.281 ✓		4.760 ✓		23483 ✓	7.828 ✓		4.756 ✓	
		37.522 ✓					87.452 ✓			

F.B. 1377 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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 8:30 TO 9:30 Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-34 To B.M. 11-30
Date 3-3-52
Indexed A. C. Johnson

F.B. 1377 PG. 22

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	3.165	37.522	212	4.760		3.182	87452	214	4.756	
	2.953		211			2.968		213		
	2.742		423			2.755		427		
13	8.860	2.953		5.183		8.905	2.968		5.183	
	4.188		216			7.383		212		
	3.972		214			7.171		211		
	3.758		430			6960		423		
14	11.918	3.973		5.613		21.514	7.171		5.606	
	3.982		212			7883		212		
	3.770		212			7.671		211		
	3.558		424			7460		423		
15	11.310	3.770		6.037		23.014	7.671		6.029	
	4.298		213			7.888		212		
	4.085		213			7.676		213		
	3.872		426			7.463		425		
16	12.255	4.085		6.463		23.027	7.676		6.454	
	3.300		213			7.884		212		
	3.087		215			7.672		212		
	2.872		428			7460		424		
17	9.259	3.086		6.891		23.016	7.672		6.878	
		55.389					120.610			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 8:30 TO 9:30 Rod No. 78 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-34 To B.M. 11-30
Date 3-3-52
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
	3.784	55.389	212	6891		7.625	120.610	213	6.878	
	3.572		214			7412		211		
	3.358		426			7201		424		
18	10.714	3.571		7.317		22.238	7.413		7.302	
	3.757		209			7.633		213		B.M. 11-30 (illegible) 10/31/63
	3.548		210			7.420		215		SEE F.B. 1376-30
	3.338		419			7205		428		FOR DESCRIPTION
19	10.643	3.548		7.736	54°	22.258	7.419		7.730	
										SUMMATION OF RUN
										B.M. 11-34 TO B.M. 11-30
										TOTAL BACKSIGHT = 62.508
										TOTAL FORESIGHT = 135.442
										DIFF IN ELEVATION = 72.934
		62508					135442			F.B. 1377 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 H. F. NAUMANN 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. 1377 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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 9:55 TO 10:20 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-33 To B.M. 11-34
Date 3-3-52
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
	9102		214		#7	3.278		213		
	8.888		213			3.065		213		B.M. 11-33 (Lr. 5.283)
	8.675		427			2.852		426		SEE F.B. 1377-33
1	26.665	8.888		427	58°	9.195	3.065		.426	FOR DESCRIPTION
	6782		212			2.907		212		T. E. LANDA
	6570		209			2.695		213		
	6.361		421			2.482		425		
2	19.713	6.571		.848		8.084	2.695		.851	
	7.312		213			2.655		215		
	7.099		214			2.440		212		
	6.885		427			2.228		427		SUMMATION OF RUN
3	21.296	7.099		1.275		7.323	2.441		1.270	B.M. 11-33 TO B.M. 11-34
	6.395		163			3.198		166		TOTAL BACKSIGHTS + 34.974
	6.232		162			3.032		162		TOTAL FORESIGHTS - 15.386
	6.070		325			2.870		328		DIFF. IN ELEVATION + 19.588.
4	18.697	6.232		1.600		9.100	3.033		1.606	
	6.343		160			4.309		157		
	6.183		158			4.152		157		B.M. 11-34
	6.025		318			3.995		314		SEE F.B. 1376-33
5	18.551	6.184		1.918	60°	12.456	4.152		1.920	FOR DESCRIPTION
		34.974					15.386			

F.B. 1377 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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 10:25 TO 11:45 Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-34 To B.M. 11-33
Date 3-3-52
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
	4.316		158		#7	6.348		160		
	4.158		156			6.188		158		B.M. 11-34
	4.002		314 ✓			6.030		318 ✓		SEE F.B. 1376-33
1	12.476 ✓	4.159 ✓		-314 ✓	60°	18.566 ✓	6.189 ✓		318	FOR DESCRIPTION
	3.210		162			6.410		162		T. E. LANDA
	3.048		165			6.248		163		
	2.883		327 ✓			6.085		325 ✓		
2	9.141 ✓	3.047 ✓		641 ✓		18.743 ✓	6.248 ✓		643 ✓	
	2.663		213			7.318		211		
	2.450		212			7.107		214		SUMMATION OF RUN
	2.238		425 ✓			6.893		425 ✓		B.M. 11-34 TO B.M. 11-33
3	7.351 ✓	2.450 ✓		1066 ✓		21.318 ✓	7.106 ✓		1068 ✓	TOTAL BACKSIGHTS + 15.121 ✓
	3.079		217			6.958		215		TOTAL FORESIGHTS - 34.708 ✓
	2.868		213			6.743		213		DIFF IN ELEVATION - 19.587 ✓
	2.655		424 ✓			6.530		428 ✓		
4	8.602 ✓	2.867 ✓		1.490 ✓		20.231 ✓	6.744 ✓		1.496 ✓	
	2.812		214			8.632		210		
	2.598		215			8.422		212		B.M. 11-33 (U.S. 283)
	2.383		429 ✓			8.210		422 ✓		SEE F.B. 1376-32
5	7.793 ✓	2.598 ✓		1.919 ✓	64°	25.264 ✓	8.421 ✓		1.918 ✓	FOR DESCRIPTION
		15.121 ✓					34.708 ✓			

F.B. 1377 PG. 26

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:50 - 12:00 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-34 To BM 11-36
Date 3-3-52
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
	9442		211		#7	2975		212		BM 11-34
	9231		211			2763		212		SEE F.B. 1376-33
	9020		422			2551		424		FOR DESCRIPTION
1.	27693	9.231		422	65°	8289	2.763		424	
	8052		211			3111		213		T G.E. DREIER
	7841		213			2898		214		
	7628		424			2684		427		
2	23521	7.840		846		8693	2.898		851	
	8400		212			3072		214		
	8188		212			2863		211		
	7976		424			2652		425		
3	24564	8.188		1270		8592	2.864		1276	
	8076		213			2521		212		
	7863		212			2309		213		
	7651		425			2096		425		
4	23590	7.863		1695		6926	2.309		1701	
	8833		211			3007		212		
	8622		211			2795		213		
	8411		422			2582		425		
5	25866	8.622		2117		8384	2.795		2126	
		38.744					13.629			
		41.744								

F.B. 1377 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 H. F. NAUMANN Weather CLEAR Inst. No. 60010
Notes by S. SHINODA Time 10:50-12:00 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-34 To BM 11-36
Date 3-3-52
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
	7338	~~38.~~ 41.744	213	2117		3161	13.629	212	2126	
	7125		212			2949		211		
	6913		425			2738		423		
6	21376	7.125		2542		8848	2.949		2549	
	7591		212			3387		213		
	7379		211			3174		211		
	7168		423			2963		424		
7	22138	7.379		2965		9524	3.175		2973	
	7378		214			2231		212		
	7164		212			2019		214		
	6952		426			1805		426		
8	21494	7.165		3391		6055	2.018		3399	
	8571		251			2206		253		
	8320		250			1953		251		
	8070		501			1702		504		
9	24961	8.320		3892		5861	1.954		3903	
										BM 11-35
										SEE F.B. 1376-34
										FOR DESCRIPTION
		68.733					23.725			
		71.733								

F.B. 1377 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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:50 - 12:00 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-34 To BM 11-36
Date 3-3-52
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
	7332	~~6733~~ 71.733	212	3892		3061	23.725	213	3.903	
	7120		212			2848		212		
	6908		424			2636		425		
10	21360	7.120		4316		8545	2.848		4328	
	7278		213			3447		215		
	7065		212			3232		211		
	6853		425			3021		426		
11	21196	7.065		4741		9700	3.233		4754	
	7994		215			2642		210		
	7779		216			2432		210		
	7563		431			2222		420		
12	23336	7.779		5172		7296	2.432		5174	
	6782		212			2502		211		
	6570		211			2291		211		
	6359		423			2080		422		
13	19711	6.570		5595		6873	2.291		5596	
	8057		214			3222		212		
	7843		212			3010		212		
	7631		426			2798		424		
14	23531	7.844		6021		9030	3.010		6020	
		~~105.111~~					37.539			
		108.111								

F.B. 1377 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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:50-12:00 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-34 To B.M. 11-36
Date 3-3-52
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
	7969	~~8.111~~ 108.111	212	6.021		3389	37.539	213	6.020	
	7757		214			3176		213		
	7543		426			2963		426		
15	13269	7.756		6447		9528	3.176		6446	
	7892		211			2990		212		SUMMATION OF RUN
	7681		211			2778		215		BM 11-34 TO B.M. 11-36
	7470		422			2563		427		
16	23043	7.681		6869		8331	2.777		6873	
	7220		212			1833		211		TOTAL BACKSIGHTS + 138.583
	7008		212			1622		211		" FORESIGHTS - 46.487
	6796		424			1411		422		DIFF. IN ELEVATION + 92.096
17	21024	7.008		7293		4866	1.622		7295	
	8260		233			1608		236		
	8027		234			1372		233		B.M. 11-36
	7793		467			1139		469		SEE F.B. 1376-35
18	24080	8.027		7760	63°	4119	1.373		7764	FOR DESCRIPTION
		~~46.583~~ 138.583					46.487			

F.B. 1377 PG. 30

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:10 Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-36 To B.M. 11-34
Date 5-3-52
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
	1377		234		#7	8026		232		B.M. 11-36
	1143		233			7794		233		See FB 1376-37
	0910		467			7561		465		FOR DESCRIPTION
1	3430	1.143		467	62°	23381	7.794		465	
	2152		213			7537		213		
	1939		211			7324		212		T G.E. Dreier
	1728		424			7112		425		
2	5819	1.940		891		21973	7.324		890	
	3007		214			7911		212		
	2793		213			7699		210		
	2580		427			7489		422		
3	8380	2.793		1318		23099	7.700		1312	
	3280		213			7859		211		
	3067		214			7648		212		
	2853		427			7436		423		
4	9200	3.067		1745		22943	7.648		1735	
	3162		209			8002		214		
	2953		207			7788		215		
	2746		416			7573		429		
5	8861	2.954		2164		23363	7.788		2164	
		11.897					38.254			

F.B. 1377 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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:10-2:10 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-36 To BM 11-34
Date 8-3-52 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
	2513	1.897	212	2161		6793	3.852	211	2104	
	2301		212			6582		213		
	2089		424			6369		424		
6	6903	2.301		1585		19744	6.581		2588	
	2364		212			7710		213		
	2152		212			7497		214		
	1940		424			7283		427		
7	6456	2.152		3609		22490	7.497		3015	
	3506		214			7340		213		
	3292		212			7127		213		
	3080		426			6914		426		
8	9878	3.293		3435		21381	7.127		3441	
	2933		213			7202		211		
	2720		213			6991		212		
	2507		426			6779		423		
9	8160	2.720		3861		20972	6.991		3764	
										BM 11-35 SEE F.B. 1376-34 FOR DESCRIPTION
		22363					6.450			
							6			

F.B. 1377 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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:10- Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-36 To BM 11-34
Date 3-3-52
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
	1981	2.363	251	3.861		8348	6.450	252	3.864	
	1730		251			8096		252		
	1479		502			7844		504		
10	5190	1.730		4363		24288	8.096		4368	
	2259		213			7401		212		
	2046		214			7189		211		
	1832		427			6978		423		
11	6137	2.046		4790		21568	7.189		4791	
	3337		214			7537		214		
	3123		211			7323		213		
	2912		425			7110		427		
12	9372	3.124		5215		21970	7.323		5218	
	3123		212			7294		212		
	2911		212			7082		212		
	2699		424			6870		424		
13	8733	2.911		5639		21246	7.082		5642	
	3153		211			8980		211		
	2942		211			8769		211		
	2731		422			8558		422		
14	8826	2.942		6064		26307	8.769		6064	
		35.116					105.909			
							4			

F.B. 1377 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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:10-2:10 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-36 To BM 11-34
Date 3-3-52
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
	2376	35.116	215	6061		7923	104.909	212	6064	
	2161		213			7711		211		
	1948		428			7500		423		
15	6485	2.162		6489		23134	7.711		6487	
	2866		213			8189		214		
	2653		211			7975		213		SUMMATION OF RUN
	2442		424			7762		427		BM 11-36 TO BM 11-34
16	7961	2.654		6913		23926	7.975		6914	
	2679		214			7620		211		TOTAL BACKSIGHTS +45.231
	2465		213			7409		211		" FORESIGHTS -137.305
	2252		427			7198		422		DIFF. IN ELEVATION -92.074
17	7396	2.465		7340		22227	7.409		7336	
	3047		214			9511		210		
	2833		212			9301		210		BM 11-34
	2621		426			9091		420		SEE F.B. 1376-33
18	8501	2.834		7766	63°	27903	9.301		7756	FOR DESCRIPTION
		45.231					137.305			

F.B. 1377 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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 10:20-11:00AM Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-35 To BM 11-34
Date 3-4-52
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
	2030		252		#7	8390		251		
	1778		252			8139		250		BM 11-35
	1526		504			7889		501		SEE F.B. 1376 PG 34
1.	5334	1.778		.504	57°	24418	8.139		501	FOR DESCRIPTION
	2335		212			7483		211		
	2123		212			7272		211		T G.E. DREHER
	1911		424			7061		422		
2	6369	2.123		928		21816	7.272		923	
	3132		211			7332		213		
	2921		212			7119		211		
	2709		423			6908		424		
3	8762	2.921		1351		21359	7.120		1347	
	3105		213			7280		211		
	2892		212			7069		211		
	2680		425			6858		422		
4	8677	2.892		1.776		21207	7.069		1769	
	3365		212			9188		210		
	3153		210			8978		212		
	2943		422			8766		422		
5	9461	3.154		2198		26932	8.977		2191	
		15.868					38.577			

F.B. 1377 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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 10:20 - 11:00 A.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-35 To BM 11-34
Date 3-4-52
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
	2751	12.868 ✓	213	2.198 ✓		8310	38.577 ✓	213	2.191 ✓	
	2538		214			8097		214		
	2324		427 ✓			7883		427 ✓		
6	7613 ✓	2.538 ✓		2.625 ✓		34790 ✓	8.097 ✓		2.618 ✓	
	3131		211			8449		212		
	2920		211			8237		213		SUMMATION OF RUN
	2709		422 ✓			8024		425 ✓		B.M. 11-35 TO B.M. 11-34
7	7760 ✓	2.920 ✓		3.047 ✓		34710 ✓	8.037 ✓		3.045 ✓	
	2637		215			7581		212		TOTAL BACKSIGHTS + 23.593 ✓
	2422		213			7369		211		FORESIGHTS - 71.591 ✓
	2209		428 ✓			7158		423 ✓		DIFF. IN ELEVATION - 47.998 ✓
8	7268 ✓	2.423 ✓		3.475 ✓		22108 ✓	7.369 ✓		3.466 ✓	
	3053		208			9524		213		
	2845		210			9311		213		BM 11-34
	2635		418 ✓			9098		426 ✓		SEE F.B. 1376-33
9	8533 ✓	2.844 ✓		3.893 ✓	59°	27933 ✓	9.311 ✓		3.892 ✓	FOR DESCRIPTION
		23.593 ✓					71.591 ✓			

F.B. 1377 PG. 36

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 2:10 TO 3:30 Rod No. 768

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-36 To B.M. 11-39
Date 3-3-52
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
	6.543		213		#7	3490		212		
	6.330		212			3.278		212		B.M. 11-36
	6118		425			3.066		424		SEE F.B. 1376-35
1	18.991	6.330		.425	63°	9.834	3.278		.424	FOR DESCRIPTION
	8.091		212			3.802		214		π E. LANDA
	7.879		214			3.588		213		
	7.665		426			3.375		427		
2	23.635	7.878		851		10.765	3588		.851	
	6630		128			5.283		123		
	6502		124			5160		122		
	6.378		252			5038		245		
3	19.510	6.503		1.103		15.481	5.160		1.096	
		20.711					12.026			B.M. 11-37 (4.5 FGS.
										SEE F.B. 1376-35
										FOR DESCRIPTION
	7.521		211			2.186		211		
	7.310		212			1.975		213		
	7098		423			1762		424		
4	21.929	7.310		1.526		5.923	1.974		1.520	
		28.021					14.000			

F.B. 1377 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 H. F. NAUMANN Weather PART CLOUDY Inst. No. 50010
Notes by C.F. DREIER Time 2:10 To 3:30 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-36 To B.M. 11-39
Date 3-3-52
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
	8.002	28.021	212	1.526		3.572	1.300	212	1.520	
	2.790		211			3.360		215		
	7.579		423			3.145		427		
5	23.371	7.790		1.949		10.077	3.359		1.947	
	5.630		213			3.658		210		
	5.417		212			3.448		210		
	5.205		425			3.238		420		
6	16.252	5.417		2.374		10.344	3.448		2.367	
	8.150		214			3.570		215		
	7.936		211			3.355		215		
	7.725		425			3.140		430		
7	23.811	7.937		2.799		10.065	3.355		2.797	
	8.735		213			4.489		214		
	8.522		210			4.275		211		
	8.312		423			4.064		425		
8	25.569	8.523		3.222		12.828	4.276		3.222	
	7.620		148			1.440		148		
	7.472		144			1.292		145		
	7.328		292			1.147		293		
9	22.420	7.473		3.514		3.879	1.293		3.515	
		65.161					29.731			

F.B. 1377 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 H. F. NAUMANN Weather PART-CLOUDY Inst. No. 50010
Notes by G.E. DREIER Time 2:10 TO 3:30 Rod No. 7&8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-36 To B.M. 11-39
Date 3-3-52
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
	10.500	65.161	145	3.514		0.575	29.731	143	3.515	
	10.355		145			0.432		139		
	10.210		290			0.293		282		
10	31.065	10.355		3.804		1.300	0.433		3.797	
	7.840		148			5.198		163		
	7.692		144			5.045		150		
	7.548		292			4.895		303		
11	23.080	7.693		4.096		15.138	5.046		4.100	
	2.410		116			6.460		114		
	2.294		114			6.346		115		
	2.180		230			6.231		229		
12	6.884	2.295		4.326	60°	19.037	6.346		4.329	
										B.M. 11-38
		85.504					41.556			SEE F.B. 1376-37
										FOR DESCRIPTION
	8.135		214			3.305		214		
	7.921		211			3.091		211		
	7.710		425			2.880		425		
13	23.766	7.922		4.754		9.276	3.092		4.754	
		93.426					44.648			

F.B. 1377 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 H. F. NAUMANN Weather PART CLOUDY Inst. No. 50010
Notes by G.E. DREIER Time 2:10 TO 3:30 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-36 To B.M. 11-39
Date 3-3-52
Indexed A. C. Johnson

F.B. 1377 PG. 40

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	7.518	93.426	210	4751		3235	40348	214	4754	
	7.308		213			3021		210		
	7.095		423			2811		424		
14	21.921	7.307		5174		9.067	3022		5178	
	7.036		213			3.308		211		
	6.793		211			3.097		214		
	6582		424			2.883		425		
15	20.381	6.794		5.598		9.288	3096		5.603	
	6.627		212			2.935		212		
	6.415		212			2723		213		
	6203		424			2510		425		
16	19.245	6.415		6.022		8.168	2.723		6.028	
	6.539		209			2.918		215		
	6.330		212			2.703		211		
	6118		421			2492		426		
17	18.987	6.329		6.443		8.113	2.704		6.454	
	7.032		213			2.650		211		
	6.819		211			2439		212		
	6.608		424			2227		423		
18	20.459	6.820		6.867		7.316	2.439		6.877	
		127.091					58.632			

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 H. F. NAUMANN Weather PART-CLOUDY Inst. No. 50010
Notes by G.E. DREIER Time 2:10 TO 3:30 Rod No. 768

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-36 To B.M. 11-39
Date 3-3-52
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
	8.130	127.091	215	6,867		3.165	58.632	213	6,877	
	7.915		213			2.952		212		
	7.702		428			2.740		425		
19	23.747	7.916		7.295	63°	8.857	2.952		7,302	STOPPED 3.30 3-3-52
	6.283		157			4.030		152		STARTED 8:30 3-4-52
	6.126		156			3.878		150		
	5.970		313			3.728		302		
20	18.379	6.126		7.608	50°	11.636	3.879		7604	
	5.740		152			4.399		151		
	5.588		151			4.248		150		B.M. 11-39
	5.437		303			4.098		301		SEE F.B. 1376-37
21	16.765	5588		7.911	50°	12.745	4.248		7,905	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 11-36 TO B.M. 11-39
										TOTAL BACKSIGHTS + 146.721
										TOTAL FORESIGHTS - 69.711
										DIFF IN ELEVATION + 77.010
		146.721					69.711			

F.B. 1377 PG. 4

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN 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. 1377 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 H. F. NAUMANN Weather PART CLOUDY Inst. No. 50010
Notes by G. E. DREIER Time 8:45 - 10:10 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-39 To B.M. 11-36
Date 3-4-52
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
	4.415		153		#7	5.752		152		B.M. 11-39
	4262		151			5600		150		SEE F.B. 1378 - 37
	4.112		304	3		5.450		302		FOR DESCRIPTION
1	12.789	4.263		304	50°	16.802	5.601		302	
	4.000		151			6258		159		T. E. LANDA
	3.849		149			6599		159		
	3.700		300	3		5.940		318		
2	11.549	3.850		604		18.297	6.099		620	
	3.090		212			8.053		212		
	2878		215			7.841		211		
	2.663		427	0		7.630		423		
3	8.631	2.877		1.031		23.524	7.841		1.043	
	3.061		212			7442		212		
	2849		214			7.230		210		
	2.635		426	6		7.020		422		
4	8.545	2.848		1.457		21.692	7.231		1465	
	3.408		216			7023		208		
	3.192		213			6.815		209		
	2979		429	6		6606		417		
5	9.579	3.193		1.886		20.444	6.815		1.882	
		17.031					33.587			

F.B. 1377 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 H. F. NAUMANN Weather PART-CLOUDY Inst. No. 50010
Notes by G. E. DREIER Time 8:45 TO 10:0 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-39 To B.M. 11-36
Date 3-4-52
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
	3410	17.031	212	1.886 5		7.103	35.787	213	1.882	
	3198		215			6890		211		
	2983		427			6679		424		
6	9.591	3197		2.313		20.672	6891		2306	
	3368		216			7063		211		
	3152		212			6852		211		
	2940		428			6641		422		
7	9460	3153		2.744 0		20.556	6852		2728	
	3325		212			7612		212		
	3113		212			7400		211		
	2901		424			7189		423		
8	9.339	3113		3.165 4		22.201	7400		3151	
	3476		212			8308		216		
	3264		210			8092		212		
	3054		422			7880		428		
9	9.794	3265		3.584 6		24.280	8093		3579	
										B.M. 11-38 SEE F.B. 1376-36 FOR DESCRIPTION
		29.759					62.823			

F.B. 1377 PG. 44

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather PART CLOUDY Inst. No. 50010
Notes by G.E. DREIER Time 8:45 - 10:10 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-39 To B.M.
Date 3-4-52
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
	6531	29.759	114	3.587		2481	62.823	114	3.579	
	6417		116			2367		116		
	6301		230			22 51		230		
10	19.249	6.416		3.817		7.099	2.366		3.809	
	5,169		151			7,809		146		
	5018		150			7663		143		
	4868		301			7.520		289		
11	15.055	5.018		4.118		22.992	7.664		4.098	
	0.647		142			10.575		145		
	0.505		140			10,430		145		
	0.365		282			10.285		290		
12	1.517	0.506		4.400		31.290	10.430		4.388	
	1.570		147			7.748		147		
	1423		145			7.601		146		
	1278		292			7455		293		
13	4.271	1.424		4.692		22.804	7.601		4.681	
	4.550		211			8.803		213		
	4339		211			8590		210		
	4.128		422			8.380		423		
14	13.017	4.339		5.114		25773	8.591		5.104	
		47.462					99.475			

F.B. 1377 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 H. F. NAUMANN Weather PART CLOUDY Inst. No. 50010
Notes by C.E. DREIER Time 8:45 - 10:10 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-39 To B.M. 11-36
Date 3-4-52
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
	3.623	47.462	213	5.114		8.205	99.175	213	5.104	
	3.410		211	3		7.992		211		
	3.199		424			7.781		424		
15	10.232	3.411		5.538		23.978	7.993		5.528	
	3.658		213			5.630		213		
	3.445		211			5.417		214		
	3.234		424	1		5.203		427		
16	10.337	3.446		5.962		16.250	5.417		5.955	
	3.542		213			7.972		212		
	3.329		211			7.760		210		
	3.115		424	5		7.550		422		
17	9.989	3.330		6.386		23.282	7.761		6.377	
	2.329		209			7.671		213		
	2.120		208			7.458		216		
	1.912		417	2		7.242		429		
18	6.361	2.120		6.809		22.371	7.457		6.806	
										B.M. 11-37 U.S.C.&G.S.
										SEE F.B. 1376 - 35
										FOR DESCRIPTION
F.B. 1377 PG. 46		59.769					128.103			

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 H. F. NAUMANN Weather PART-CLOUDY Inst. No. 50010
Notes by C.E. DREIER Time 8:45 TO 10:10 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-39 To B.M. 11-36
Date 3-4-52
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
	5.296	59.769	.126	6.803		6.637	128.103	127	6.806	
	5170		125	2		6.510		126		
	5045		251			6.384		253		
19	15.511	5.170		7.054		19.531	6.510		7.059	
	3.868		214	3		8.160		212		
	3.654		214			7948		215		
	3.440		428			7733		427		
20	10962	3.654		7.482		23841	7.947		7.486	
	3.981		212	1		7.036		214		
	3769		210			6822		211		B.M. 11-36
	3559		422			6.611		425		SEE F.B. 1376-35
21	11309	3.770		7.904	57°	20469	6.823		7.911	FOR DESCRIPTION
				3						
										SUMMATION OF RUN
										B.M. 11-39 TO B.M. 11-36
										TOTAL BACKSIGHTS - 72,363
										TOTAL FORESIGHTS - 149,383
										DIFF IN ELEVATION - 77,020
		72363					149383			

F.B. 1377 PG. 47

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN 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. 1377 PG. 48

FORM 379 SM 7-48

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party N. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 11:10 - 1:25 PM Rod No. 7 E 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-39 To BM 11-42
Date 3-4-52
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
	8267		214		#7	2742		212		BM 11-39
	8053		213			2530		212		SEE F.B. 1376-37
	7840		427			2318		424		FOR DESCRIPTION
1	24160	8.053		427	59°	7590	2.530		424	
	7942		213			2869		212		
	7729		213			2657		212		TGE DREIER
	7516		426			2445		424		
2	23187	7.729		853		7971	2.657		848	
	7553		226			3306		197		
	7327		226			3109		198		
	7101		452			2911		395		
3	21981	7.327		1305		9326	3.109		1243	
	7848		200			2371		223		
	7648		198			2148		225		
	7450		398			1923		448		
4	22946	7.649		1703		6442	2.147		1691	
	7450		211			1983		214		
	7239		211			1769		215		
	7028		422			1554		429		
5	21717	7.239		2125		5306	1.769		2120	
		37.997					12.212			

F.B. 1377 PG. 49

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:10-1:25 P.M. Rod No. 7 & 8

Name L. A. CO PRECISE LEVEL NET
Job No. 4923
From BM 11-39 To BM 11-42
Date 3-4-52
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
	7010	37.997	213	2125		2513	10-12	211	2120	
	6797		214			2302		211		
	6583		427			2091		422		
6	20390	6.797		2552		6906	2.302		2542	
	6910		209			2499		217		
	6701		209			2282		214		
	6492		418			2068		431		
7	20103	6.701		2970		6849	2.283		2973	
	7150		233			2287		232		
	6917		231			2055		231		
	6686		464			1824		463		
8	20753	6.918		3434		6166	2.055		3436	
	7123		231			3471		231		
	6892		231			3240		231		
	6661		462			3009		462		
9	20676	6.892		3896		9720	3.240		3898	
		65.305					22.092			

F.B. 1377 PG. 50

B.M 11-40
SEE F.B. 1376-38
FOR DESCRIPTION

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 11:10-1:25PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-39 To BM 11-42
Date 3-4-5-
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	8913	65.305	211	3896		3052	22.092	213	3898	
	8702		211			2839		212		
	8491		422			2627		425		
10.	26106	8.702		4318		8518	2.839		4323	
	7850		198			3470		199		
	7652		195			3271		198		
	7457		393			3073		397		
11.	22959	7.653		4711		9814	3.271		4720	
	9132		194			3087		196		
	8938		197			2891		194		
	8741		391			2697		390		
12.	26811	8.937		5102		8675	2.892		5110	
		90.597					31.094			
	4883		208			2842		211		
	4675		208			2631		212		
	4467		416			2419		423		
13	14025	4.675		5518	58°	7892	2.631		5535	
		95.272					33.725			

B.M 11-41 (U.S. 608)
SEE F.B. 376-39
FOR DESCRIPTION

ONE HOUR FOR LUNCH

F.B. 377 PG. 51

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 11:10-1:25 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-39 To B.M. 11-42
Date 3-4-52
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
	7537	95.272	214	5.518		2613	33.725	212	5.539	
	7323		212			2401		210		
	7111		426			2191		422		
14	21971	7.324		5.944	58°	7205	2.402		5.955	
	6641		210			2811		211		
	6431		212			2600		211		
	6219		422			2389		422		
15	19291	6.430		6.366		7800	2.600		6.377	
	6807		214			3077		213		
	6593		214			2864		212		
	6382		425			2652		425		SUMMATION OF RUN
16	19782	6.594		6.791		8593	2.864		6.802	B.M. 11-39 TO B.M. 11-42
	7422		213			3070		210		
	7215		213			2860		211		TOTAL BACKSIGHTS +130.637
	7002		426			2649		421		" FORESIGHTS - 47.719
17	21645	7.215		7.217		8579	2.860		7.223	DIFF. IN ELEVATION +82.918
	8053		251			3516		248		
	7802		250			3268		249		B.M. 11-42
	7552		501			3019		497		SEE F.B. 1376-40
18	23407	7.802		7.718	57°	9803	3.268		7.729	FOR DESCRIPTION
		130.637					47.719			

F.B. 1377 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 H. E. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 1:25-2:40PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M 11-42 To B.M 11-39
Date 3-4-52
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
	3505		248		#7	8039		250		B.M 11-42
	3257		249			7789		250		SEE F.B. 1376-40
	3008		497			7539		500		FOR DESCRIPTION
1	9770	3.257		.497	57°	23367	7.789		.500	
	3074		212			7431		212		
	2862		212			7219		212		T G.E. DREIER
	2650		424			7007		424		
2	8586	2.862		.924		21657	7.219		.924	
	3062		211			6790		212		
	2851		212			6578		212		
	2639		423			6366		424		
3	8552	2.851		1.344		19734	6.578		1.348	
	2811		213			6639		211		
	2598		211			6428		210		
	2387		424			6218		421		
4	7796	2.599		1.768		19285	6.428		1.769	
	2609		210			7533		213		
	2399		210			7320		211		
	2189		420			7109		424		
5	7197	2.399		2.188		21962	7.321		3.193	
		13.968					35.335			

F.B. 1377 PG. 53

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 H. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 1:25-2:40 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-42 To BM 11-39
Date 3-4-52
Indexed A. C. Johnson

F.B. 1377 PG. 52

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	2797	13.968	212	2188		4839	35.535	210	2193	
	2585		209			4629		209		
	2376		42			4420		419		
6	7758	2.586		2609		13888	46.09		2612	
		16.554					39.964			B.M 11-41 (U.S 2608) SEE F.B 1376-99 FOR DESCRIPTION
	3087		195			9138		199		
	2892		193			8939		197		
	2697		388			8742		396		
7	8678	2.893		2997		26819	8.940		3008	
	3364		196			7750		198		
	3168		198			7552		194		
	2970		394			7358		392		
8	9502	3.167		3391		22660	7.553		3400	
	2704		212			8565		213		
	2492		212			8352		210		
	2280		424			8141		423		
9	7476	2.492		3815		25059	8.353		3823	
		25.106					64.810			

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 R. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 1:25-2:40 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-12 To BM 11-39
Date 3-4-52
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
		25.106		3815			64.810		3823	BM 11-40 SEE F.B. 1376-38 FOR DESCRIPTION
	3483		231			7139		232		
	3252		230			6907		230		
	3022		461			6677		462		
10	9757	3.252		4276		20723	6.908		4285	
	2236		232			7102		233		
	2004		233			6869		232		
	1771		465			6637		465		
11	6011	2.004		4741		20609	6.869		4750	
	2522		214			6939		212		
	2307		215			6727		210		
	2092		429			6517		422		
12	6921	2.307		5170		20183	6.728		5172	
	2543		211			7047		215		
	2332		211			6832		212		
	2121		422			6620		427		
13	6996	2.332		5592		20499	6.833		5599	
		35.001					92.148			

F.B. 1377 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 H. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 1:25-2:40 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-42 To B.M. 11-39
Date 3-4-52
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
	1947	35.001	212	5.597		7419	92.148	213	5.599	
	1735		213			7206		213		
	1522		425			6993		426		
14	5204	1.735		6017		21618	7.206		6025	
	2396		213			7898		213		
	2183		211			7685		210		
	1972		424			7475		423		
15	6551	2.184		6441		23058	7.686		6448	
	3298		195			7548		229		
	3103		195			7319		228		SUMMATION OF RUN
	2908		390			7091		457		BM 11-42 TO BM 11-39
16	9309	3.103		6834		21958	7.319		6905	
	2693		225			7739		199		
	2468		225			7540		198		TOTAL BACKSIGHTS + 46.902
	2243		450			7342		397		" FORESIGHTS - 129.835
17	7404	2.468		7284		22621	7.540		7302	DIFF. IN ELEVATION - 82.933
F.B. 1377 PG. 56										
	2628		217			8144		208		
	2411		218			7936		208		BM 11-39
	2193		435			7728		416		SEE F.B. 1376-37
18	7232	2.411		7716	60°	23808	7.936		7.718	FOR DESCRIPTION
		46.902					129.835			

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 H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S SHINODA Time 10:40-11:20AM Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From BM 11-40 To BM 11-39
Date 3-5-52
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
	3478		232		#7	7130		229		
	3246		232			6901		232		B.M. 11-40
	3014		464			6669		461		SEE F.B. 1370-38
1	9738	3.246		464	64°	20700	6.900		461	FOR DESCRIPTION
	2243		231			7112		231		
	2012		232			6881		231		T.G.E. DREIER
	1780		463			6650		462		
2	6035	2.012		927		20643	6.881		923	
	2421		214			6834		211		
	2207		214			6623		211		
	1993		428			6412		422		
3	6621	2.207		1355		19869	6.623		1345	
	2433		211			6934		211		
	2222		213			6723		211		
	2009		424			6512		422		
4	6664	2.221		1779		20169	6.723		1767	
	1932		211			7404		213		
	1721		212			7191		211		
	1509		423			6980		424		
5	5162	1.721		2202		21575	7.192		2191	
		11.407					34.319			

F.B. 1377 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 H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:40 - 11:20 AM Rod No. 7 F B

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-40 To B.M. 11-39
Date 3-5-52
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
	2430	11.407	209	2202		7940	34.319	215	2191	
	2221		212			7725		214		
	2009		421			7511		429		
6	6660	2220		2623		23176	7.725		2620	
	3252		195			7499		228		
	3057		195			7271		224		SUMMATION OF RUN
	2862		390			7047		452		B.M. 11-40 TO B.M. 11-39
7	9171	3.057		3013		21817	7.272		3.072	
	2651		229			7697		199		
	2422		229			7498		198		TOTAL BACKSIGHTS + 21.759
	2193		458			7300		397		" FORESIGHTS - 64.989
8	7266	2.422		3471		22495	7.498		3.469	DIFF. IN ELEVATION - 43.230
	2866		213			8388		213		
	2653		213			8175		212		B.M. 11-39
	2440		426			7963		425		SEE F.B. 1376-37
9	7959	2.653		3897	60°	24526	8.175		3.894	FOR DESCRIPTION
		21.759					64.989			

F.B. 1377 PG. 58

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 H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:30-12:00 AM Rod No. 788

Name L.A.Co. PRECISE LEVEL NET
Job No. 4925
From BM 11-39 To BM 11-40
Date 3-5-52
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
	8389		211		#7	2867		213		
	8178		211			2654		213		BM 11-39
	7967		422			2441		426		SEE F.B. 1376-37
1	24534	8.178		422	60°	9962	2.654		426	FOR DESCRIPTION
	7899		212			2823		212		
	7687		214			2611		212		T.G.E. DREHER
	7473		426			2399		424		
2	23059	7.686		848		7833	2.611		850	
	7458		221			3221		203		
	7237		221			3018		204		
	7016		442			2814		407		
3	21711	7.237		1290		9053	3.018		1257	
	7810		207			2318		219		
	7603		204			2099		217		
	7399		411			1882		436		
4	22812	7.604		1701		6299	2.100		1693	
	7428		212			1959		213		
	7216		214			1746		214		
	7002		426			1532		427		
5	21646	7.215		2127		5237	1.746		1120	
		37.920					12.129			

F.B. 1377 PG. 59

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:30-12:00 AM Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From BM 11-39 To BM 11-40
Date 3-5-52
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
	6911	37.920	212	2127		2483	12.129	212	2129	
	6769		212			2271		210		
	6557		424			2061		422		
6	20307	6.769		2551		6815	6.272		2542	
	6890		211			2474		213		
	6679		211			2261		212		SUMMATION OF RUN
	6469		422			2049		425		BM 11-39 TO BM 11-40
7	20037	6.679		2973		6784	2261		2967	
	7162		235			2295		231		
	6927		234			2064		232		TOTAL BACKSIGHTS +65.226
	6693		469			1832		463		" FORESIGHTS -22.004
8	20782	6.927		3442		6191	2064		3430	DIFF. IN ELEVATION +43.222
	7161		230			3510		232		
	6931		230			3278		233		BM 11-40
	6701		460			3045		465		SEE F.B. 1376-38
9	20793	6931		3902	66°	9833	3278		3895	FOR DESCRIPTION
		65226					22004			

F.B. 1377 PG. 60

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 H.F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 3:00 - 3.30PM Rod No. 7 & 8

Name L.A.C. PRECISE LEVEL NET
Job No. 4923
From BM 11-42 To B.M. 11-44
Date 3-4-54
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
	7870		118		#7	0640		119		B.M. 11-42
	7752		114			0721		118		SEE F.B. 1376-40
	7638		232			0603		237		FOR DESCRIPTION
1	23260	7.753		232	60°	2164	0.721		237	
	9978		105			0758		102		
	9873		102			0656		102		T.E. LANDA
	9771		207			0554		204		
2	29622	9.874		439		1968	0.656		441	
	10033		094			1100		095		
	9939		096			1005		094		
	9843		190			0911		189		
3	29815	9.938		629		3016	1.005		690	
	9886		095			1000		096		
	9791		093			0904		094		
	9698		188			0810		190		
4	29975	9.992		817		2714	0.905		820	
	9870		094			1179		096		
	9776		095			1083		093		
	9681		189			0990		189		
5	29327	9.776		1006		3252	1.084		1009	
		47.133					4.371			

F.B. 1377 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 H.F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 3:00 - 3:30 PM Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From BM 11-42 To BM 11-44
Date 3-4-52
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
	10101	47.133	.094	1.006		0762	4.371	094	1.009	
	10007		.096			0668		096		
	9911		190			0572		190		
6	30019	10.006		1.196		2002	0.667		1.199	
	9900		094			0890		093		
	9806		095			0797		095		
	9711		189			0702		188		
7	29417	9.806		1.385		2389	0.796		1.387	
	10198		095			1071		093		
	10103		093			0978		095		
	10010		188			0883		188		
8	30311	10.104		1.573		2932	0.977		1.575	
	10352		094			0969		096		
	10258		096			0873		093		
	10162		190			0780		189		
9	30772	10.257		1.763		2622	0.874		1.764	
	9740		096			1630		093		
	9644		097			1537		095		
	9550		190			1442		188		STOPPED 3:30 PM 3-4-52
10	28934	9.645		1.953	59°	4609	1.536		1.952	
		96.951					9.221			

F.B. 1377 PG. 62

FORM 379 SM 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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:30 - 9:15 AM Rod No. 7 E 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-42 To BM 11-44
Date 5-5-52
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
	9006	96.951	094	1953		1945	9.221	095	1.952	STARTED 8:30 5-5-52
	8912		093			1850		095		
	8819		187			1755		190		
11	26737	8.912		2 140	52°	5550	1.850		2 142	
	11499		214			2924		214		
	11285		213			2710		212		
	11072		427			2498		426		
12	33856	11285		2567		8132	2.711		2568	
	8120		215			3799		215		
	7905		213			3583		211		
	7692		428			3372		426		
13	23717	7.906		2995		10753	3.584		2994	
	5751		213			5618		216		
	5538		216			5402		212		
	5322		429			5190		428		
14	16611	5.537		3.424		16210	5.403		3.422	
	4925		227			8480		227		
	4698		228			8253		225		
	4470		455			8028		452		
15	14093	4.698		3.879		24761	8.254		3.874	
		135.289					31.023			

F.B. 1377 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 H. F. NAUMANN Weather CLEAR Inst. No. 50210
Notes by S SHINODA Time 8:30 - 9:15 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-42 To B.M. 11-44
Date 3-5-52
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
		35.289		3879			31.005		3874	BM 11-43 SEE F.B. 1376-41 FOR DESCRIPTION
16	3035 2820 2605 8460	2.820	215 215 430	4309		9312 9100 8888 27300	9.100	212 212 424	4298	
17	1712 1499 1286 4497	1.499	213 213 426	4735		5587 5375 5163 16125	5.375	212 212 424	4722	
18	9115 8903 8695 26713	8.904	212 208 420	5155		1378 1162 0949 3489	1.163	216 213 429	5151	
19	7240 2074 6909 21223	7.074	166 165 331	5486		4590 4423 4259 13272	4.424	167 164 331	5482	
		155.589					51.085			

F.B. 1377 PG. 64

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:30 - 9:15 AM Rod No. 7 & 8

Name L.A. Co. PRECISE LEVEL NET
Job No. 4923
From BM 11-42 To BM 11-44
Date 3-5-52
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
	2449	15558	471	5486		84 1951	0855	167	5482	
	2278		170			8252		164		
	2108		341			8088		331		
20	6835	22781		5827	53°	24759	82533		5913	
										BM 11-44 SEE F.B. 1376-42 FOR DESCRIPTION
										SUMMATION OF RUN BM 11-42 TO BM 44
										TOTAL BACKSIGHTS + 157.864 ✓
										" FORESIGHTS - 59.338 ✓
										DIFF IN ELEVATION + 98.526 ✓
		157.864 ✓					59.338 ✓			

F.B. 1377 PG. 65

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party..... 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. 1377 PG. 66

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 H.F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:15-10:30AM Rod No. 7 & 8

Name LA CO PRECISE LEVEL NET
Job No. 4923
From BM 11-44 To BM 11-42
Date 8-5-52
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
	8382		163		#7	2413		171		BM 11-44
	8219		167			2242		170		SEE F.B. 1376-42
	8052		330 ✓			2072		341 ✓		FOR DESCRIPTION
1.	24653 ✓	8.218 ✓		330	53°	6727 ✓	2.242 ✓		341 ✓	
	4571		168			7229		166		T E LAND
	4413		165			7063		164		
	4248		333 ✓			6899		330 ✓		
2	13242 ✓	4.414 ✓		663		21191 ✓	7.064 ✓		671 ✓	
	1583		214			9322		212		
	1369		214			9110		211		
	1155		428 ✓			8899		423 ✓		
3	4107 ✓	1.369 ✓		1091		27331 ✓	9.110 ✓		1094 ✓	
	5674		214			1800		215		
	5460		210			1585		213		
	5250		424 ✓			1372		428 ✓		
4	16384 ✓	5.461 ✓		1515		4757 ✓	1.586 ✓		1522 ✓	
	9272		212			2992		212		
	9060		212			2780		215		
	8848		424 ✓			2565		427 ✓		
5.	27180 ✓	9.060 ✓		1939		8337 ✓	2.779 ✓		1949 ✓	
		18522 ✓					22781 ✓			

F.B. 1377 PG. 67

FORM 379 SM 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 H F NAUMANN Weather CLEAR Inst. No. 50010
Notes by S SHINODA Time 9:15-10:30 AM Rod No. 7 & 8

Name L A CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-44 To BM 11-42
Date 3-5-52
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
		28.522		1939			32.781		1949	BM 11-43
										SEE F.B. 1376-41
										FOR DESCRIPTION
	8470		228			4915		227		
	8242		227			4688		227		
	8015		455			4461		454		
6	24727	8.242		2394		14064	4.688		2403	
	5652		214			5788		213		
	5438		215			5575		215		
	5223		429			5360		428		
7	16313	5.438		2823		16723	5.574		2931	
	3782		211			8104		213		
	3571		211			7891		212		
	3360		422			7679		425		
8	10713	3.571		3245		23674	7.891		3256	
	3008		216			11582		213		
	2792		212			11369		212		
	2580		428			11157		425		
9	8380	2.793		3673		34108	11.369		3681	
		48.566					52.303			

F.B. 1377 PG. 68

FORM 379 SM 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 H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:15-10:30AM Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL NET
Job No. 4923
From BM 11-44 To BM 11-42
Date 3-5-52
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	1980	48.566	095	3.673		9045	52.303	095	3.681	
	1885		095			8948		096		
	1790		190			8852		191		
10	5655	1.885		3.863		26843	8.948		3.972	
	1588		096			9695		094		
	1492		095			9601		092		
	1397		191			9509		186		
11	4477	1.492		4.054		28805	9.602		4.058	
	0928		097			10310		093		
	0831		094			10217		095		
	0737		191			10122		188		
12	2496	0.832		4.245		30649	10.216		4.246	
	1075		095			10202		094		
	0980		094			10108		096		
	0886		189			10012		190		
13	2941	0.980		4.434		30322	10.107		4.436	
	0805		095			9815		095		
	0710		092			9720		093		
	0618		187			9627		188		
14	2133	0.711		4.624		29162	9.721		4.624	
		54.466					100.897			

F.B. 1377 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 H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:15-10:30 AM Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL NET
Job No. 4925
From BM 11-44 To BM 11-42
Date 3-5-52
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
	0742	54.466	094	4.621		10080	100.894	094	4.624	
	0648		096			9986		095		
	0552		190			9891		189		
15	1942	0.647		4811		29957	9.986		4813	
	1182		094			9873		093		
	1088		095			9780		094		
	0993		189			9686		187		
16	3263	1.088		5000		29339	9.780		5000	
	0968		096			9855		094		
	0872		093			9761		093		
	0779		189			9668		187		
17	2619	0.873		5189		29284	9.761		5187	
	1029		096			9961		094		
	0933		093			9867		096		
	0840		189			9771		190		
18	2802	0.934		5378		29599	9.866		5377	
	0794		103			10012		102		
	0691		100			9910		101		
	0591		203			9809		203		
19	2076	0692		5581		29731	9.910		5580	
		58.700					150.200			

F.B. 1377 PG. 70

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 H.F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:15-10:30AM Rod No. 7 & 8

Name L.A.Co. PRECISE LEVEL NET
Job No. 492.3
From BM 11-44 To BM 11-42
Date 3-5-52
Indexed K.O. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	0842	58.700✓	119	5.581✓		7871	150.200✓	114	5.580✓	
	0723		116			7757		116		BM 11-42
	0607		235✓			7641		230✓		SEE F.B. 1376:40
20	1172	0.724✓		5.816✓	64°	23)69✓	7.756✓		5.810✓	FOR DESCRIPTION
										SUMMATION OF RUN BM 11-44 TO BM 11-42
										TOTAL BACKSIGHTS = 59.424✓
										" FORESIGHTS = 157.956✓
										DIFF IN ELEVATION = -98.532✓
		59.424✓					157.956✓			

F.B. 1377 PG. 71

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name.....
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. 1377 PG. 72

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:05 - 2:35 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-44 To B.M. 11-47
Date 3-5-52
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
	3539		213		#7	10931		213		
	3326		213			10718		212		B.M. 11-44
	3113		426			10506		425		SEE F.B. 1376-42
1	9978	3.326		.426	63°	32155	10.718		.425	FOR DESCRIPTION
	0894		145			10320		148		
	0749		145			10172		144		T. G.E. DREIER
	0604		290			10028		292		
2	2247	0.749		.716		30520	10.173		.717	
	0549		147			9493		146		
	0402		145			9347		145		
	0257		292			9202		291		
3	1208	0.403		.1008		28042	9.347		.1008	
	2557		214			5603		212		
	2343		212			5391		211		
	2131		426			5180		423		
4	7031	2.344		1.434		16174	5.391		1.431	
	6133		212			4011		211		
	5921		212			3800		212		
	5709		424			3588		423		
5	17763	5.921		1.858		11399	3.800		1.854	
		12.743					39.429			

F.B. 1377 PG. 73

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:05-2:35 P.M. Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-44 To BM 11-47
Date 3-5-52
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
	8288	12.743	211	1.858		3300	37.429	213	1.854	
	8077		212			3087		211		
	7865		423			2876		424		
6	24230	8.077		2281		9263	3.088		2278	
	7131		212			4670		211		
	6919		240			4459		210		
	6709		422			4249		421		
7	20759	6.920		2703		13378	4.459		2699	
	6993		212			4760		212		
	6781		212			4548		212		
	6569		424			4336		424		
8	20343	6.781		3127		13644	4548		3123	
	6528		177			4373		175		
	6351		176			4198		177		
	6175		353			4021		352		
9	19054	6.351		3480		12592	4197		3475	
	7371		181			3934		182		
	7190		182			3752		181		
	7008		363			3571		363		
10	21569	7.190		3843		11257	3752		3838	
		48.062					59.473			

F.B. 1377 PG. 74

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 N. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S SHINODA Time 1:05-2:35 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-44 To B.M. 11-47
Date 3-5-52
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
		48.062		3.843			59.473		3.838	B.M. 11-45 SEE F.B. 1376-43 FOR DESCRIPTION
	5019		153			6168		152		
	4866		153			6016		152		
	4713		306			5864		304		
11	14598	4.866		4149		18048	6.016		4142	
		52.928					65.489			B.M. 11-46 (O S 287) SEE F.B. 1376-43 FOR DESCRIPTION
	4554		212			5810		211		
	4342		211			5599		211		
	4131		423			5388		422		
12	13027	4342		4572		16997	5.599		4564	
	5797		213			3922		212		
	5584		213			3710		211		
	5371		426			3499		423		
13	16752	5.584		4998		11131	3.710		4987	
		62.854					75.798			

F.B. 1377 PG. 75

FORM 379 SM 7-40

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700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. HAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:05-2:35 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-44 To BM 11-47
Date 3-5-52
Indexed A. C. JOHNSON

F.B. 1377 PG. 76

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	7930	62.854	228	4998		4001	78.798	199	4997	
	7702		226			3802		197		
	7476		454			3605		396		
14	23108	7.703		5452		11408	3.803		5393	
	11207		136			0465		086		
	11071		136			0379		087		
	10935		272			0292		173		
15	33213	11.071		5724		1136	0.379		5566	
	6113		107			6576		144		
	6006		107			6432		143		
	5899		214			6289		287		
16	18018	6.006		5938		19297	6.432		5843	
	4399		192			6791		231		
	4207		192			6660		232		
	4015		384			6428		463		
17	12621	4.207		6322		19979	6.660		6306	
	4918		202			4166		205		
	4716		201			3961		204		
	4515		403			3757		409		
18	14149	4.716		6725		11884	3.961		6715	
		96.557					96.033			

6

FORM 379 5M 7-40

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700 HALL OF RECORDS

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DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:05-2:35 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-44 To B.M. 11-47
Date 8-5-52
Indexed A. O. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	7327	96.557	196	6725		3052	95.033	199	6715	B.M. 11-47 (METROPOLITAN 5TH)
	7131		198			2853		196		SEE F.B. 1370 - 43
	6933		394			2657		395		FOR DESCRIPTION
19	51391	7.130		7.119	63°	8562	2.854		7.110	
										SUMMATION OF RUN
										B.M. 11-44 TO B.M. 11-47
										TOTAL BACKSIGHTS + 103.687
										" FORESIGHTS - 91.887
										DIFF. IN ELEVATION + 8.800
										4.800
										F.B. 1377 PG. 77
		103.687					91.887			

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 H. F. NAUMANN 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. 1377 PG. 78

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 1:40-3:15 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-47 To BM 11-44
Date 3-5-52
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
	3126		199		#7	7396		197		BM 11-47 (METROPOLITAN
	2927		199			7199		197		SEE F.B. 1376-44
	2728		390			7002		394		FOR DESCRIPTION
1.	8781	2.927		398	63°	21597	7.199		394	
	4030		202			4788		203		T.G.E. DREIER
	3828		201			4585		201		
	3627		403			4384		404		
2	11485	3.828		401		13757	4.586		798	
	6628		211			4170		211		
	6417		212			3959		211		
	6205		423			3748		422		
3.	19250	6417		1224		11877	3.959		1220	
	6081		126			5651		120		
	5955		126			5531		121		
	5829		252			5410		241		
4	17865	5.955		1476		16592	5.531		1461	
	0476		088			11210		133		
	0388		088			11077		134		
	0300		176			10943		267		
5.	11164	0.388		1652		33230	11.077		1728	
		19.515					32.352			

F.B. 1377 PG. 79

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50019
Notes by S. SHINODA Time 2:40-3:15 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No 4923
From B.M. 11-47 To B.M. 11-44
Date 3-5-52
Indexed A. C. Johnson

F.B. 1377 PG. 80

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	3771	19.515	230	1.652		7637	32.352	197	1728	
	3541		230			7440		194		
	3311		460			7246		391		
6	10623	3.541	2112			22323	7.441	2118		
	3983		212			5859		213		
	3771		212			5646		213		
	3559		424			5433		426		
7	11313	3.771	2536			16938	5.646	2544		
	5938		214			4686		213		
	5724		212			4473		211		
	5512		426			4262		424		
8	17174	5.725	2962			13421	4.474	2968		
		32.552					49.913			BM 11-46 (U.S.287)
										SEE F.B. 1376-43
										FOR DESCRIPTION
	6276		154			5123		152		
	6122		152			4971		151		
	5970		306			4820		303		
9	18368	6.123	3268		59°	14914	4.971	3274		STOPPED 3:15 PM 3-5-52
		38.675					54.884			

FORM 379 SM 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 H. F. NAUMANN Weather Cloudy Inst. No. 50010
Notes by S. SHINODA Time 8:45-9:30 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4925
From BM 11-47 To BM 11-44
Date 3-6-52
Indexed R. T. 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
		38.675		3.268			54.884		3.27X 2	
										B.M. 11-45
										SEE F.B. 1376:43
										FOR DESCRIPTION
	3889		182			7328		183		
	3707		182			7146		182		BEGIAN 8:45 AM 3-6-52
	3525		5.64			6963		365		
10.	11121	3.707		3.632	52°	21436	7.145		3.637	
	4326		177			6476		177		
	4149		177			6299		175		
	3972		354			6124		352		
11	12447	4.149		3.986		18899	6.300		3.989	
	4729		212			6965		212		
	4517		214			6753		211		
	4303		426			6542		425		
12.	13549	4.516		4.412		20260	6.753		4.412	
	4740		212			7196		213		
	4528		213			6983		212		
	4315		425			6771		425		
13.	13583	4.528		4.837		20950	6.983		4.837	
		55.575					82.065			

F.B. 1377 PG. 21

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:45-9:30 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-47 To BM 11-44
Date 3-6-52
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
	3287	85.575	212	4.837		8278	80.738	212	4.837	
	3075		212			8066		213		
	2863		424			7853		425		
14	92250	3.075		5.261		24197	8.066		5.262	
	4090		212			6210		211		
	3878		213			5999		210		
	3665		425			5789		421		
15	116331	3.878		5.686		17998	5.999		5.683	
	5693		213			2646		214		
	5480		212			2432		212		
	5268		425			2220		426		
16	164411	5.480		6.111		7298	2.433		6.109	
	9669		146			0723		145		
	9523		145			0578		146		
	9378		291			0432		291		
17	285701	9.523		6.402		17335	0.578		6.400	
	10640		145			1221		145		
	10495		145			1076		146		
	10350		290			0930		291		
18	314851	10.495		6.692		32271	1.076		6.691	
		88.026					100.217			

F.B. 1377 PG. 82

FORM 379 5M 7-40

PLEASE RETURN TO
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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 H.F NAUMANN Weather CLEAR Inst. No. 50010
Notes by S SHINODA Time 8:45-9:30 AM Rod No. 7 & 8

Name L.A Co PRECISE LEVEL NET
Job No. 4923
From BM 11-47 To BM 11-44
Date 3-6-52
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
	11243	88.026	212	6.692		3847	100.217	214	6.691	
	11031		212			3633		211		B.M. 11-44
	10819		424			3422		425		SEE F.B. 1376-42
19.	33093	11.031		7116	54°	10902	3.634		7.116	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 11-47 TO B.M. 11-44
										TOTAL BACKSIGHTS 99.057
										- FORESIGHTS 103.851
										DIFF. IN ELEVATION -4.794
		99.057					103.851			

F.B. 1377 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..... 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. 377 PG. 84

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 M. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by G. E. DREIER Time 9.40 TO 10:40 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-47 To B.M. 11-49
Date 3-6-52
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
	6.525		213		#	3.125		215		B.M. 11-47 (METROPOLITAIN 5IN)
	6.312		212			2.910		212		SEE F.B. 1376 PG 44
	6.100		425			2.698		427		FOR DESCRIPTION
1	18.937	6.312		425	54°	8.733	2.911		427	
	7.227		214			3.155		215		
	7.013		211			2.940		215		T. E. DREIER
	6.802		425			2.725		430		
2	21.042	7.014		850		8.820	2.940		847	
	7.210		212			3.068		213		
	6.998		216			2.855		213		
	6.782		428			2.642		426		
3	20.990	6.997		1278		8.565	2.855		1273	
	7.535		213			3.210		215		
	7.322		212			2.995		215		
	7.110		425			2.780		430		
4	21.967	7.322		1703		8.985	2.995		1703	
	7.599		216			2.812		212		
	7.389		213			2.600		212		
	7.176		423			2.388		424		
5	22.164	7.388		2126		7.800	2.600		2127	
		35.033					14.301			

F.B. 1377 PG. 85

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 H. F. NAUMANN Weather Cloudy Inst. No. 50010
Notes by C.E. DREIER Time 9:40 TO 10:20 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-47 To B.M. 11-49
Date 3-6-52
Indexed A. C. Johnson

F.B. 1377 PG. 86

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	8032	35.033	212	2.126		2,594	14.304	214	2.127	
	7.820		212			2 380		210	3	
	7608		424			2170		424	6	
6	23.460	7.820		2.550		7.144	2.381		2.551	
	8.271		212			1.573		212		
	8.059		211			1.361		210		
	7.848		423			1.151		422	8	
7	24.178	8.059		2.973		4.085	1.362		2.933	
	8.988		214			2.581		211		
	8.774		212			2.370		210		
	8562		426			2.160		421	40	
8	26.324	8.775		3.399		7.111	2.370		3.394	
	6.988		213			4.178		215		
	6.775		210			3.963		213		
	6.565		423			3.750		428	3	
9	20.328	6.776		3.822		11.891	3.964		3.822	
	7.053		212			3.798		215		
	6.838		210			3.583		213		
	6628		422			3.370		428	6	
10	20.519	6.839		4.244		10.751	3.584		4.250	
		73.302					27.962			

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 N. E. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by G.E. DREIER Time 9:40 TO 10:40 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-47 To B.M. 11-49
Date 3-6-52
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
	6721	73.302	161	4.244		6900	27.962	157	4.250	
	6560		163			6743		153		
	6395		332			6590		310		
11	19682	6.561		4.576		20233	6.744		4.560	
		79.863					34.706			B.M. 11-48 (U.S. 291) SEE F.B. 1376-45 FOR DESCRIPTION
	2648		246			7996		251		
	2402		242			7745		250		
	2160		488			7495		501		B.M. 11-49 SEE F.B. 1376-45 FOR DESCRIPTION
12	7210	2.403		5.064		23236	7.745		5.061	
										SUMMATION OF RUN BM. 11-47 TO B.M. 11-49
										TOTAL BACKSIGHTS = 82.266
										TOTAL FORESIGHTS = 42.451
		82.266					42.451			DIFF. IN ELEVATION = 39.815

F.B. 1377 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 H. F. NAUMANN 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. 1377 PG. 88

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 H. F. NAUMANN Weather PART CLOUDY Inst. No. 50010
Notes by G. E. DREIER Time 10:45 TO 11:45 Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 1923
From B.M. 11-49 To B.M. 11-47
Date 2-6-52
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
	7.985		253		#7	2633		243		
	7732		250			2390		240		B.M. 11-49
	7.482		503			2150		483		SEE F.B. 1376-45
1	23.199	7.733		503	58°	7.173	2.391		483	FOR DESCRIPTION
										B.M. 11-48 (N.S. 291)
										SEE F.B. 1376-45
										FOR DESCRIPTION
	6,600		146			6433		165		
	6454		144			6.268		165		T. E. LANDA
	6.310		290			6,103		330		
2	19364	6.455		793		18,804	6.268		813	
	3840		212			7098		215		
	3.628		212			6883		213		
	3.416		424			6,670		428		
3	10.884	3.628		1287		20651	6.884		1241	
	4,247		215			7060		210		
	4032		212			6.850		212		
	3820		427			6,638		422		
	12.099	4.033		1654		20548	6.849		1663	
		21,849					22392			

F.B. 1377 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 H. F. NAUMANN Weather PART CLOUDY Inst. No. 50010
Notes by C. E. DREIER Time 10:45 TO 11:45 Rod No. 7&8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M 11-49 To B.M 11-47
Date 3-6-52
Indexed L. O. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	2.641	2.184	211	1654		9.058	8.393	212	1,663	
	2.430		210			8.838		216		
	2.220		421			8.622		428		
5	7.291	2.430		2.065		26.510	8.837		2.091	
	1.530		212			8.230		212		
	1.318		210			8.018		214		
	1.108		422			7.804		426		
6	3.956	1.319		2.497		24.052	8.017		2.517	
	2.630		212			8.068		213		
	2.418		214			7.855		212		
	2.204		426			7.643		425		
7	7.252	2.417		2.983		23.566	7.855		2.942	
	2.838		214			7.623		211		
	2.624		212			7.412		211		
	2.412		426			7.201		422		
8	7.874	2.625		3.349		22.236	7.412		3.364	
	3.195		218			7.515		209		
	2.977		217			7.306		208		
	2.760		435			7.098		417		
9	8.932	2.977		3.784		21.919	7.306		3.781	
		33.617					61.819			

F.B. 437 PG. 90

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather PART CLOUDY Inst. No. 5001.0
Notes by G. E. DREIER Time 10:45 TO 11:45 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-49 To B.M. 11-47
Date 3-6-52
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
	3.395	3.3617	214	3.784 7		7540	6.1819	212	3.781	
	3.181		212			7.328		215		
	2.969		426			7.113		427		
10	9.545	3.182		4.210		21.981	7.327		4.208	
	3.506		215			7.578		213		
	3.291		212			7.365		211		
	3.079		427			7.154		424		
11	9.876	3.292		4.637 2		22.097	7.366		4.632	
	3.325		213			6.729		214		
	3.112		211			6.515		213		B.M. 11-47
	2.901		424			6.302		427		SEE F.B. 1376-44
12	9.338	3.113		5.061 5	56°	19.546	6.515		5.059	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 11-49 TO B.M. 11-47
		43.204					83.027			TOTAL BACKSIGHTS - 43.204
										TOTAL FORESIGHTS - 83.027
										DIFF IN ELEVATION - 39.823

F.B. 1377 PG. 91

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 H. F. NAUMANN 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. 1377 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 H. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 12:55 - 1:40 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-49 To BM 11-51
Date 3-6-52
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
	6898		214		#7	3474		213		
	6684		212			3261		213		BM 11-49
	6472		426 ✓			3048		426 ✓		See F.B. 1376-45
1	20054	6.685 ✓		426	59°	9783	3.261 ✓		426	For description
	6721		212			2852		212		
	6509		210			2640		210		T. G. E. Dreier
	6299		422 ✓			2430		422 ✓		
2	19529	6.510 ✓		848 ✓		7922	2.641 ✓		848 ✓	
	8898		147			0553		135		
	8751		146			0418		135		
	8605		293 ✓			0283		270 ✓		
3	26254	8.751 ✓		1.141 ✓		1254	0.418 ✓		1.118 ✓	
	11298		157			0578		148		
	11141		156			0430		148		
	10985		313 ✓			0282		296 ✓		
4	33424	11.141 ✓		1.454 ✓		1290	0.430 ✓		1.414 ✓	
	9410		101			2341		080		
	9309		100			2261		081		
	9209		201 ✓			2180		161 ✓		
5	27928	9.309 ✓		1.655 ✓		6782	2.261 ✓		1.575 ✓	
		42.396 ✓					9.011 ✓			

F.B. 1377 PG. 93

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 12:55-1:40PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-49 To BM 11-51
Date 5-6-52
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
	9618	42.396	095	1.655		0527	9.011	124	1.575	
	9523		097			0403		124		
	9429		189			0279		248		
6	28570	9.523		1.844		1209	0.403		1823	
	8887		120			0860		115		
	8767		121			0745		115		
	8646		241			0630		230		
7	26300	8.767		2085		2235	0.745		2053	
	8553		064			0908		075		
	8489		063			0833		074		
	8426		127			0759		149		
8	25468	8.489		2212		2500	0.833		2202	
		69.175					10.992			BM 11-50 (U.S. 292) SEE F.B. 1376-46 FOR DESCRIPTION
	7840		209			2973		212		
	7631		209			2761		213		
	7422		418			2548		425		
9	22893	7.631		2630		8282	2.761		2627	
		76.806					13.753			

F.B. 1377 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 H. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by J. SHINODA Time 12:55 - 1:40 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-49 To BM 11-51
Date 3-6-52
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
	8483	76.806	212	1.630		2923	13.053	215	1.627	
	8271		212			2708		212		
	8059		424			2496		427		
10.	24813	8.271		3054		8127	2.709		3054	
	8589		212			2942		213		
	8377		212			2729		211		
	8165		424			2518		424		
11	25131	8377		3478		8189	2.730		3478	
	7169		173			4477		175		
	6996		174			4302		174		B.M 11-51
	6822		347			4128		349		SEE F.B. 1376 p 47
12	20987	6.996		3825	60°	12907	4.302		3827	FOR DESCRIPTION
										SUMMATION OF RUN
										BM 11-49 TO BM 11-51
										TOTAL BACKSIGHTS = +100.450
										- FORESIGHTS = 23.494
										DIFF. IN ELEVATION = +76.956
		100.450				23494				

F.B. 1377 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 H. F. NAUMANN 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. 1377 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 H. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 1:40-2:20PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-51 To BM 11-49
Date 3-6-52
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
	4473		174		#7	7163		172		
	4299		174			6991		173		B.M 11-51
	4125		348			6818		345		SEE F.B. 1376-47
1	12897	4.299		348	60°	20972	6.991		345	FOR DESCRIPTION
	2782		212			8426		214		
	2570		213			8212		211		T.G.E. DREIER
	2357		425			8001		425		
2	7709	2.570		773		24639	8.213		770	
	2782		213			8343		211		
	2569		211			8132		211		
	2358		424			7921		422		
3	7709	2.570		1.197		24396	8.132		1.192	
	2663		212			7530		209		
	2451		212			7321		208		
	2239		424			7113		417		
4	7353	2.451		1.621		21964	7.321		1.609	
										B.M 11-50 (U.S.C.&G.S.)
										SEE F.B. 1376-46
										FOR DESCRIPTION
		11.890					30.657			

F.B. 1377 PG. 37

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 1:40-2:20 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From Bm 11-51 To Bm 11-49
Date 3-6-52
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
	0771	11.890	069	1621		8425	30.657	069	1.609	
	0702		069			8356		070		
	0633		138			8286		139		
5	21061	0.702		1759		25067	8.356		1.748	
	0791		115			8818		121		
	0676		116			8697		120		
	0560		231			8577		241		
6	20271	0.676		1990		26092	8.697		1.989	
	1069		109			10190		110		
	0960		108			10080		110		
	0852		217			9970		220		
7	28811	0.960		2207		30240	10.080		2.209	
	1699		097			8734		084		
	1602		097			8650		084		
	1505		194			8566		168		
8	48061	1.602		2401		25950	8.650		2.377	
	0758		145			11115		148		
	0613		143			10967		148		
	0470		288			10819		296		
9	18411	0.614		2689		32901	10.967		2.673	
		16.444					77.407			

F.B. 1377 PG. 58

FORM 379 SM 7-40

PLEASE RETURN TO
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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 H. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 1:40-2:20 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-51 To BM 11-49
Date 3-6-52
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
	0644	16.444	143	2687		9340	77.407	149	2673	
	0501		143			9191		149		
	0358		286			9042		298		
10	1503	0.501		2.975		27573	9.191		2.971	
	3413		211			7282		211		
	3202		211			7071		211		
	2991		422			6860		422		
11	9606	3.202		3.397		21213	7.071		3.393	
	4087		214			7508		212		
	3873		212			7296		212		
	3661		426			7084		424		
12	11621	3.874		3.823	60°	21888	7.296		3.817	
										BM 11-49 SEE F.B. 1376-45 FOR DESCRIPTION
										SUMMATION OF RUN B.M. 11-51 TO B.M. 11-49
										TOTAL BACKSIGHTS = 24.021
										" FORESIGHTS = 100.965
										DIFF. IN ELEVATION = -76.944
		24.021					100.965			

F.B. 1377 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 H. F. NAUMANN 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. 1377 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 H. F. NAUMANN Weather CLOUDY Inst. No. 5-0010
Notes by C. E. DREIER Time 2:25 TO 3:30 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4922
From B.M. 11-51 To B.M. 11-54
Date 3-6-52
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
	9.332		214		#7	2575		213		
	9118		214			2362		212		B.M. 11-51
	8904		428	8		2150		425		SEE F.B. 1376-46
1	27354	9.118		425	60°	7087	2.362		425	FOR DESCRIPTION
	8.556		214			3.140		212		
	8342		211			2.928		213		T E. LANDA
	8.131		425	3		2715		425		
2	25029	8.343		850		8783	2.928		850	
	7802		212			3.908		213		
	7590		211			3.695		213		
	7379		423	6		3.482		426		
3	22771	7.590		1.273		11085	3.695		1.276	
	6.620		212			5053		213		
	6.408		211			4840		212		
	6.197		423	9		4628		425		
4	19225	6.408		1.696		14521	4.840		1.701	
	5.905		213			5.145		214		
	5692		210			4931		212		
	5482		423	22		4719		426		
5	17079	5.693		2.174		14795	4.932		2.127	
		37152					18757			

F.B. 1377 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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by G.E. DREIER Time 2:25 TO 3:30 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-51 To B.M. 11-54
Date 3-6-52
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
	6.018	37.152	213	2.149 22		4685	18.757	213	2.127	
	5.805		213			4472		211		
	5592		426	8		4261		424		
6	17.415	5.805		2.545		13.418	4.473		2.551	
	6.743		213			4.358		213		
	6.530		210			4.145		214		
	6320		423	71		3.931		427		
7	19593	6.531		2.968		12.434	4.145		2978	
	6547		218 5			4323		211		
	6.332		212			4.112		212		
	6.120		428 7	3398		3.900		423		
8	18999	6.333		3.397		12.335	4.112		3401	
	7.460		228			4008		227		
	7.232		227			3781		226		
	7.005		455	3		3555		453		
9	21.697	7.232		3.858		11.344	3.781		3854	
										B.M. 11-52 SEE F.B. 1376-48 FOR DESCRIPTION
		63.053					35.168			

F.B. 1377 PG. 102

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 H. F. NAUMANN Weather CLOUDY-FART Inst. No. 50010
Notes by G.E.DREIER Time 2:25 TO 3:30 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M.11-54 To B.M.11-54
Date 3-6-52
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
	8.300	63.053	213	3858		4.159	35.268	213	3.854	
	8.087		212	3		3.946		213		
	7.875		425	8		3.733		426		
10	24.262	8.087		4.277		11.838	3.946		4.280	
	6.762		211			4.558		213		
	6.551		212			4.345		213		
	6.339		423	1		4.132		426		
11	19.652	6.551		4.700		13.035	4.345		4.706	
	6.291		157			5.268		156		
	6.134		155			5.112		154		
	5.979		312	3		4.958		310	6	
12	18.404	6.135		5.012		15.338	5.113	10	5.016	
	5.682		157			4.610		158		
	5.525		155			4.452		155		
	5.370		312	5		4.297		313	9	
13	16.577	5.526		5.532		13.359	4.453		5.532	
										B.M.11-53 (L.A.C.F.C.D.S.T. 94-36) SEE F.B. 1376-49 FOR DESCRIPTION
		89.352					53.125			

F.B. 1377 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 H. F. NAUMANN Weather CLOUDY Inst. No. 57.010
Notes by G. E. DREIER Time 2:25 TO 3:30 Rod No. 768

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-51 To B.M. 11-54
Date 3-6-52
Indexed A. C. Johnson

F.B. 1377 PG. 104

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4.548	89.352	211	5.324		5.718	53.125	216	5.327	
	4.337		213			5.502		213		
	4.124		424			5.289		429		
14	13.009	4.336		5.748		16.509	5.503		5.756	
	5.368		213			5.583		215		
	5.155		212			5.368		212		
	4.943		425			5.156		427		
15	15.466	5.155		6.178		16.107	5.369		6.185	
	5.308		213			5.940		213		
	5.095		215			5.727		215		
	4.880		428			5.512		428		
16	15.283	5.094		6.602		17.179	5.726		6.613	
	5.480		216			5.825		212		
	5.264		212			5.616		213		
	5.052		428			5.403		425		
17	15.796	5.265		7.029	58°	16.847	5.615		7.038	
	5.033		174			6.293		175		
	4.859		177			6.118		177		
	4.682		351			5.911		352		
18	14.574	4.858		7.387	49°	18.352	6.117		7.390	STARTED 9:30 3-10-52
		114.060					81.455			
							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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by G.E. DREIER Time 9:30 TO 9:50 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-51 To B.M. 11-54
Date 3-10-52
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
	4.791	114.060	179	7.388		7.360	81.458	173	7.538	
	4.612		178			7.187		175		BM 11-54
	4.434		357	8		7.012		348	8	SEE F.B. 1376-54
19	13.837	4.612		7.738		21.559	7.186		7.738	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 11-51 TO B.M. 11-54
										TOTAL BACKSIGHTS + 118.672
										TOTAL FORESIGHTS - 88.642
										DIFF IN ELEVATION + 30.030
		118.672					88.642			

F.B. 1377 PG. 185

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN 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. 1377 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 H. F. NAUMANN Weather RAINING Inst. No. 50010
Notes by G. E. OREIER Time 9:50 TO 10:00 Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-54 To B.M. 11-51
Date 3-10-52
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
	7.401		177		#7	4828		177		B.M. 11-54
	7224		174			4.651		176		SEE F.B. 1376-50
	7.050		351			4.475		353		FOR DESCRIPTION
1	21.675	7.225		351	49°	13.954	4.651		353	
	6.325		177			5064		174		T. E. LAND
	6148		177			4890		177		
	5971		354			4713		351		
2	18.444	6.148		705		14.667	4.889		704	
	5863		213			5.511		213		
	5650		212			5.298		213		
	5438		425			5085		426		
3	16.951	5.650		1130	49°	15.894	5.298		1130	STOPPED 10:00 3-10-52 RAIN
	5992		214			5360		212		STARTED 8:40 3-11-52
	5778		215			5148		216		
	5563		429			4932		428		
4	17.333	5.778		1559	49°	15440	5.147		1558	
	5656		214			5443		214		
	5442		212			5229		211		
	5230		426			5018		425		
5	16328	5.443		1985		15690	5.230		1985	
		30.244					25.215			

F.B. 1377 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 H. F. NAUMANN Weather PART-CLOUDY Inst. No. 50010
Notes by G. E. DREIER Time 8:40 TO Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-54 To B.M. 11-51
Date 5-11-52
Indexed L. C. Johnson

F.B. 1377 PG. 108

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.735	30.244	215	1.985		4.570	25.715	212	1.983	
	5.520		212			4.358		212		
	5.308		427			4.146		424		
6	16.563	5.521		2.412		13.074	4.358		2.407	
		35.765					29.573			B.M. 11-53 (L.A.C. F.C. DIST. 94-36) SEE F.B. 1376-49 FOR DESCRIPTION
	4.519		158			5.588		152		
	4.361		158			5.431		155		
	4.203		316			5.276		312		
7	13.083	4.361		2.728		16.295	5.432		2.719	
	5.183		155			6.208		157		
	5.028		157			6.051		156		
	4.871		312			5.895		313		
8	15.082	5.027		3.040		18.154	6.051		3.032	
	4.592		214			6.798		215		
	4.378		213			6.583		211		
	4.165		427			6.372		426		
9	13.135	4.378		3.467		19.753	6.584		3.488	
		49.531					47.640			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather PART CLOUDY Inst. No. 50010
Notes by G.E.DREIER Time 8:30 TO 10:50 Rod No. 768

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-54 To B.M. 11-51
Date 3-11-52
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
	4.200	49.531	214	3.467		8.343	4.640	213	3.468	
	3.986		212			8.130		210		
	3.774		426			7.920		423		
10	11.960	3.987		3.893		24.393	8.131		3.891	
		53.518					55.771			B.M. 11-52 SEE F.B. 1378-48 FOR DESCRIPTION
	4.102		227			7.545		227		
	3.825		226			7.318		227		
	3.649		453			7.091		454		
11	11.626	3.875		4.341		21.954	7.318		4.345	
	4.393		212			6.615		213		
	4.181		211			6.402		211		
	3.970		423			6.191		424		
12	12.544	4.181		4.769		19.208	6.403		4.789	
	4.451		213			6.832		211		
	4.238		213			6.621		210		
	4.025		426			6.411		421		
13	12.714	4.238		5.195		19.864	6.621		5.190	
		65.812					76.113			

F.B. 1377 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 H. F. NAUMANN Weather PART-CLOUDY Inst. No. 50010
Notes by C. E. DREIER Time 8:40 TO 10:55 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-54 To B.M. 11-51
Date 3-11-52
Indexed A. C. Johnson

F.B. 1377 PG. 110

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4770	65.812	212	5195		6102	76.113	212	5190	
	4558		213			5890		211	8	
	4345		425			5679		423		
14	13673	4.558		5.620		17671	5.890		5.603	
	5228		213			5988		211		
	5015		212			5777		214		
	4803		425			5563		425		
15	15046	5.015		6.045		17328	5.776		6.038	
	4948		213			6515		214		
	4735		214			6301		212		
	4521		427			6089		426	5	
16	14204	4.735		6.472		18905	6.302		6.484	
	3866		212			7760		212		
	3654		212			7548		213		
	3442		424			7335		425	7	
17	10962	3.654		6.896		22643	7.548		6.889	
	3165		213			8582		212		
	2952		212			8370		211		
	2740		425			8159		423	0	
18	8857	2.952		7.321		25111	8.370		7.302	
		86.726					109.999			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather PART CLOUDY Inst. No. 50010
Notes by G. E. DREIER Time 8:40 TO 10:50 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-54 To B.M. 11-51
Date 3-11-52
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
	2.507	86.726	213	7.321		9.261	109.999	211	7.342	
	2.294		213			9.050		212		B.M. 11-51
	2.081		426			8.838		423		SEE F.B. 1376 - 47
19	6.882	2.294		7.147	53°	27.149	9.050		7.735	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 11-54 TO B.M. 11-51
										TOTAL BACKSIGHTS = 89.020
										TOTAL FORESIGHTS = 119.049
										DIFF IN ELEVATION = 30.029
		89.020				119.049				

F.B. 1372 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 H. F. NAUMANN 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. 1372 PG. 112

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINOHARA Time 10:00-11:50AM Rod No. 748

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-54 To BM 11-57
Date 3-11-52
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
	4664		211		#7	7319		212		
	4453		211			7107		212		B.M. 11-54
	4242		422			6895		424		SEE F.B 1376-50
1	13359	4.453		422	53°	21321	7.107		424	FOR DESCRIPTION
	4535		212			5372		212		
	4323		212			5160		212		TGE Dreier
	4111		424			4948		424		
2	12969	4.323		846		15480	5.160		848	
	5835		213			5111		212		
	5622		212			4899		211		
	5410		425			4688		423		
3	16867	5.622		1271		14698	4.899		1271	
	5675		213			4957		214		
	5462		212			4743		212		
	5250		425			4531		426		
4	16387	5.462		1696		14231	4.744		1697	
	6183		211			4545		212		
	5972		212			4333		211		
	5760		423			4122		425		
5	17915	5.972		2119		13000	4.333		2120	
		25.832					26.243			

F.B. 1377 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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:00-11:50AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 1923
From B.M. 11-54 To BM 11-57
Date 3-11-52
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
	7020	25.832	212	2119		2131	26.343	212	2120	
	6808		212			1919		211		
	6596		424			1708		423		
6	30424	6.808		2543		57758	1.919		2543	
	9553		213			0899		212		
	9340		211			0687		214		
	9129		424			0473		426		
7	28022	9.341		2967		2059	0686		2969	
	9716		213			0919		211		
	9503		211			0708		211		
	9292		424			0497		422		
8	28511	9.504		3391		2.1244	0.708		3391	
	9657		213			2141		212		
	9424		211			1929		211		
	9213		424			1718		423		
9	28274	9.425		3815		57788	1.929		3814	
	7633		211			3709		211		
	7422		212			3498		212		
	7210		425			3286		425		
10	22265	7.422		4238		10493	3.498		4237	
		68.332					34.983			

F.B. 1377 PG. 114

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:00-11:50AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-54 To B.M. 11-57
Date 3-11-52
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
	8191	6833	211	4.238		0855	34.983	212	4.237	
	7980		211			0643		212		
	7769		422			0431		424		
11	23940	7.980		4660		1929	0.643		4661	
	7517		097			0903		095		
	7420		097			0808		096		
	7323		194			0712		191		
12	22260	7.420		4854		2423	0.808		4852	
	10714		095			0502		091		
	10619		095			0411		091		
	10524		190			0320		182		
13	31857	10.619		5044		1233	0.411		5034	
	11298		102			0465		088		
	11196		101			0377		087		
	11095		203			0290		175		
14	33589	11.196		5247		1132	0.377		5209	
	6757		032			2493		043		
	6725		032			2450		043		
	6693		064			2407		086		
15	20175	6.725		5311		7350	2.450		5295	
		112272					39.672			

F.B. 1377 PG. 115

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:00-11:50AM Rod No. 748

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-54 To BM 11-57
Date 3-11-52
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
		11272 ✓		5311 ✓			39.672 ✓		5.295 ✓	BM 11-55 (U.S 295) SEE F.B 1376-51 FOR DESCRIPTION
16	0616 0503 0391 1510 ✓	0.503 ✓	113 112 225 ✓	5536 ✓		11687 11570 11455 34712 ✓	11.571 ✓	117 115 232 ✓	5527 ✓	
17	0457 0431 0401 1292 ✓	0.431 ✓	026 027 053 ✓	5589 ✓		10.387 10.359 10.331 31077 ✓	10.359 ✓	028 028 056 ✓	5583 ✓	
18	2991 2825 2659 8475 ✓	2.825 ✓	166 166 332 ✓	5921 ✓		2848 2675 2502 8025 ✓	2.675 ✓	173 173 346 ✓	5929 ✓	
										BM 11-56 (U.S 296) SEE F.B. 1376-51 FOR DESCRIPTION
		116.031 ✓					64.377 ✓			

F.B. 1377 PG. 116

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S SHINDON Time 10:00 - 11:50AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-54 To BM 11-57
Date 3-11-52
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
	8683	116.031	144	5.921		1513	64.277	145	5.929	
	8539		147			1368		147		
	8392		291			1221		292		
19.	25614	8.538		6212		4102	3.67		6221	
	9638		146			1550		147		
	9492		144			1403		145		
	9348		290			1258		292		
20	28478	9.493		6502		4211	1.404		6513	
	9847		213			2512		213		
	9634		213			2299		213		
	9421		426			2086		426		
21	28902	9.634		6928		6897	2.299		6939	
	8794		213			1200		211		
	8581		211			0989		212		
	8370		424			0777		423		
22	25745	8.582		7352		2966	0.989		7362	
	8617		149			1201		144		
	8468		148			1057		144		
	8320		297			0913		288		
23	25405	8.468		7649		3171	1.057		7650	
		160.746					71.393			

F.B. 1377 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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:00 - 11:50 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-54 To B.M. 11-57
Date 3-11-52
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
	10844	160.746	130	7.649		10311	71.993	132	7.650	
	10714		128			0899		131		
	10586		258			0768		263		
24	32144	10.715		7.907		26978	0.899		7.913	
	8889		095			2511		094		
	8794		093			2417		094		
	8701		188			2323		188		
25	26384	8.795		8.095		7251	2.417		8.101	
	8990		095			2157		095		
	8895		095			2062		095		
	8800		190			1967		190		
26	26685	8.895		8.285	55°	6186	2.062		8.291	B.M. 11-57 SEE F.B. 1376-52 FOR DESCRIPTION
										SUMMATION OF RUN B.M. 11-54 TO B.M. 11-57
F.B. 1377 PG. 11 &										TOTAL BACKSIGHTS + 189.151 ✓ " FORESIGHTS - 76.771 ✓ DIFF. IN ELEVATION + 112.380 ✓
		189.151 ✓					76.771 ✓			

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S SHINODA Time 1:00 - 3:45 P.M. Rod No. 758

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-57 To B.M. 11-54
Date 3-11-52
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
	2007		095		#7	8839		095		
	1912		094			8744		094		B.M 11-57
	1818		189			8650		189		SEE F.B. 1376-52
1	5737	1.912		189	55°	26233	8.744		189	FOR DESCRIPTION
	2524		094			8902		093		
	2430		094			8809		094		T.G.E. DREIER
	2336		188			8715		187		
2	7290	2.430		377		26426	8.809		376	
	0911		131			10725		130		
	0780		132			10595		129		
	0648		263			10466		259		
3	2339	0.780		640		31786	10.595		635	
	1182		145			8593		146		
	1037		147			8447		147		
	0890		292			8300		293		
4	3109	1.036		932		25340	8.447		928	
	1060		211			8658		213		
	0849		211			8445		212		
	0638		422			8233		425		
5	2547	0.849		1354		25336	8.445		1353	
		7.007					45.040			

F.B. 1377 PG. 115

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:00-2:45 P.M. Rod No. 7 & 8

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 11-57 To B.M. 11-54
Date 3-11-52
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
	2330	7.007 ✓	213	1.354 ✓		9466	45.040 ✓	213	1.353 ✓	
	2117		214			9453		212		
	1903		427 ✓			9241		425 ✓		
6	6350 ✓	2.117 ✓		1.781		28360 ✓	9.453 ✓		1.778 ✓	
	1619		147			9705		145		
	1472		145			9560 ✓		144		
	1327		292 ✓			9416		289 ✓		
7	4418 ✓	1.473 ✓		2.073		28681 ✓	9.560 ✓		2.067 ✓	
	2224		146			9396		146		
	2078		146			9250 ✓		147		
	1932		292 ✓			9103		293 ✓		
8	6234 ✓	2.078		2.365		27749 ✓	9.250 ✓		2.360 ✓	
		12.675 ✓					73.303 ✓			
										B.M. 11-56 (U.S. 296)
										SEE F.B. 1376-51
F.B. 1377 PG. 120										FOR DESCRIPTION
	2833		170			2978		167		
	2663		171			2811 ✓		167		
	2492		341 ✓			2644		334 ✓		
9	7988 ✓	2.663		2.706		8433 ✓	2.811 ✓		2.694 ✓	
		15338 ✓					76.114 ✓			

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by J. SHINODA Time 1:00-2:45 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-57 To BM 11-54
Date 3-11-52
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
	10301	15.338	028	2.706		0370	76.114	027	2.694	
	10273		028			0343		026		
	10245		056			0317		053		
10	30819	10.273		2762		1030	0343		2747	
	11656		114			0592		115		
	11542		114			0477		115		
	11428		228			0362		230		
11	34626	11.542		2990		1431	0477		2977	
		37.153					76.934			B.M. 11-55 (U.S. 295)
										SEE F.B. 376-51
										FOR DESCRIPTION
	2832		038			7101		032		
	2794		037			7069		032		
	2757		075			7037		064		
12	8383	2.794		3065		21207	7069		3041	
	0826		088			11359		102		
	0438		088			11257		103		
	0350		176			11154		205		
13	1314	0.438		3241		33770	11257		3246	
		40.385					95.260			

F.B. 377 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 H. F. NAUMANN Weather CLEAR Inst. No. 500.10
Notes by S. SHINODA Time 1:00 - 2:45 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-57 To BM 11-54
Date 3-11-54 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
	0359	40383	090	3241		10574	9.260	095	3.246	
	0269		090			10479		096		
	0179		180			10383		191		
14	0807	0.269		3421		31436	10.475		3437	
	0619		097			7228		092		
	0522		095			7136		093		
	0407		192			7043		185		
15	1568	0.523		3613		21407	7.136		3622	
	0876		215			8207		214		
	0661		213			7993		211		
	0448		428			7782		425		
16	1985	0.662		4041		23982	7.994		4047	
	3725		211			7649		212		
	3512		212			7437		213		
	3300		423			7224		425		
17	10535	3.512		4464		22310	7.437		4472	
	2473		213			9969		211		
	2266		211			9758		209		
	2049		424			9549		420		
18	6788	2.261		4888		29276	9.759		4892	
		47.612					138.065			

F.B. 1377 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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 1:00 - 2:45 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4925
From BM 11-S7 To BM 11-S4
Date 3-11-52
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
	1211	47.612	210	4818		10010	138.065	212	4892	
	1001		211			9798		212		
	0790		421			9586		414		
19	3002	1.001		5309		29394	9.798		5316	
	1100		212			9757		214		
	0888		211			9543		212		
	0677		423			9331		426		
20	2665	0.888		5732		28631	9.544		5742	
	2408		212			7296		213		
	2196		211			7083		212		
	1985		423			6871		425		
21	6589	2.196		6155		21250	7.083		6167	
	4479		217			6110		209		
	4262		214			5901		208		
	4048		431			5693		417		
22	12789	4.263		6586		17704	5.901		6584	
	5171		212			5890		211		
	4959		214			5679		210		
	4745		426			5469		421		
23	14875	4.958		7012		17038	5.679		7005	
		60.918					176.070			

F.B. 1377 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 H. F. NAUMANN Weather CLEAR Inst. No. 60010
Notes by S. SHINODA Time 1:00-2:45 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-57 To B.M. 11-54
Date 3-11-52
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
	5343	60.918	212	7.012		6068	176.070	215	7.005	
	5131		212			5853		211		
	4919		424			5642		420		
24	15393	5.131		7436		17563	5.854		7451	
	6588		215			4749		211		
	5373		211			4538		211		
	5162		426			4327		422		
25	16123	5.374		7862		13614	4.538		7853	
	7540		210			4891		214		
	7330		209			4677		215		
	7121		419			4462		429		
26	2199 N	7.330		8291	60°	14030	4.677		8282	BM. 11-54 SEE F.B. 1376-50 FOR DESCRIPTION
										SUMMATION OF RUN B.M. 11-57 to B.M. 11-54
										TOTAL BACKSIGHTS + 78.753 ✓
										" FORESIGHTS - 191.139 ✓
										DIFF. IN ELEVATION - 112.386 ✓
		78.753 ✓					191.139 ✓			

F.B. 1377 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 H. F. NAUMANN Weather WINDY & PART-CLOUDY Inst. No. 5-0010
Notes by G. E. DREIER Time 2:50 TO 3:10 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-57 To B.M. 11-55
Date 3-11-52
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
	2.681		110		#7	8.800		112		
	2.571		107			8.688		109		B.M. 11-57
	2464		217			8.579		221		SEE F.B. 1376-52
1	7.716	2.572		217	59°	26.067	8.689		221	FOR DESCRIPTION
	2472		144			7793		147		
	2.328		147			7.646		146		T. E. LANDA
	2 181		294			7 500		293		
2	6.981	2.327		508		22.939	7.646		514	
	3.802		221			7.150		219		
	3.581		219			6.881		219		
	3.362		440			6662		438		
3	10.745	3.582		948	58°	20.643	6.881		952	STOPPED 3:15 3-11-52
	4.708		213			6836		213		STARTED 8:40 3-12-52
	4.495		213			6.623		212		
	4282		426			6411		425		
4	13.485	4.495		1374	48°	19.870	6.623		1377	
	4608		186			7.978		184		
	4422		183			7.794		182		
	4.239		369			7.612		366		
5	13.269	4.423		1.743		23.384	7795		1.743	
		17.399					37.634			

F.B. 1377 PG. 125

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather PART CLOUDY Inst. No. 50010
Notes by G. E. DREIER Time 8:40 TO 10:00 Rod No. 7E 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-57 To B.M. 11-59
Date 3-12-52
Indexed A. C. Johnson

F.B. 1377 PG. 126

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	8.463	17.399	111	1.743		1.481	37.534	111	1.743	
	8.352		109			1370		109		
	8.243		220			1261		220		
6	25.058	8.353		1.963		4.112	1.371		1.963	
	10255		146			0.810		147		
	10.109		146			0.663		145		
	9.963		292			0518		292		
7	30327	10.109		2.255		1.991	0.664		2255	
	10.255		147			1275		146		
	10.162		146			1129		147		
	9962		293			0982		293		
8	30325	10.108		2548		3.386	1.129		2.548	
	9.488		146			1.617		148		
	9.342		144			1469		148		
	9198		290			1321		296		
9	28028	9.343		2.838		4.407	1.469		2.844	
	9022		144			2578		148		
	8878		148			2430		148		
	8730		292			2282		296		
10	26630	8.877		3.130		7.290	2.430		3.140	
		64.189					44.697			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather PART - CLOUDY Inst. No. 50010
Notes by C.E. DREIER Time 8:40 TO 10:00 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-57 T. B.M. 11-59
Date 3-12-52
Indexed A. 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
	9.825	64.189	213	3130		0.737	44 697	215	3.140	
	9612		212			0.522		214		
	9,400		425			0.308		429		
11	28.837	9.612		3.555		1.567	0.522		3.569	
	10.980		217			2027		209		
	10.763		214			1.818		209		
	10.549		431			1,609		418		
12	32292	10.764		3.986		5.454	1.818		3.987	
	8.567		215			3621		212		
	8.352		211			3.409		213		
	8.141		426			3196		425		
13	25060	8.353		4,412		10.226	3.409		4.412	
	7.162		211			1.916		215		
	6.941		210			1.701		213		
	6.731		421			1488		428		
14	20,822	6.941		4,833		5.105	1.702		4.840	
	10.302		212			0.650		210		
	10.090		212			0440		208		
	9.878		424			0.232		418		
15	30270	10.090		5.257		1.322	0.441		5.258	
		109.949					52.588			

F.B. 1377 PG. 127

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 H. F. NAUMANN Weather PART CLOUDY Inst. No. 50010
Notes by G. E. DREIER Time 8:40 TO 10:00 Rod No. 788

Name L.A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-57 To B.M. 11-59
Date 11-12-52
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
	10.780	109.949	218	5257		2.340	53.582	210	5258	
	10.562		214			2.130		210		
	10.348		432			1.920		420		SUMMATION OF RUN
16	31.690	10.563		5.689		6.390	2.130		56.78	B.M. 11-57 TO B.M. 11-59
	7.687		149			2.871		143		TOTAL BACKSIGHTS + 130.882
	7.538		148			2.728		143		TOTAL FORESIGHTS - 69.080
	7.390		297			2.585		286		DIF. IN ELEVATION + 61.802
17	22.615	7.538		5.986		8.184	2.728		5.964	
		128.050					57.447			B.M. 11-58 (W.S. 299) SEE F.B. 1376-53 FOR DESCRIPTION
	3.061		229			11.870		237		
	2.832		228			11.633		237		B.M. 11-59
	2.604		457			11.396		474		SEE F.B. 1376-53
18	8.497	2.832		6.443	52°	34.899	11.633		6.438	FOR DESCRIPTION
		130.882					69.079			
							69.080			

F.B. 1377 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 H. F. NAUMANN Weather PART - CLOUDY Inst. No. 50010
Notes by G. E. DREIER Time 10:00 TO 11:20 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-59 To B.M. 11-57
Date 3-12-52
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
	11825		238		#7	3013 ✓		228		B.M. 11-59
	11.587		239			2785		227		SEE F.B. 1376-53
	11.348		477			2558		455		FOR DESCRIPTION
1	34760 ✓	11.587 ✓		477 ✓	52°	8.356 ✓	2.785 ✓		455 ✓	
										B.M. 11-58 (U.S. 299)
										SEE F.B. 1376-53
										FOR DESCRIPTION
	2804		144			7612		146		T. E. LANDA
	2660		148			7466		146		
	2512		292 ✓			7320		292		
2	7976 ✓	2659 ✓		769 ✓		22398 ✓	7.466 ✓		747 ✓	
	2275		214			10710		217		
	2061		211			10493		213		
	1850		425 ✓			10280		430 ✓		
3	6186 ✓	2062 ✓		1194 ✓		31483 ✓	10494 ✓		1177 ✓	
	0660		205			10319		217		
	0455		205			10102		214		
	0250		410 ✓			9888		431 ✓		
4	1365 ✓	0455 ✓		1604 ✓		30309 ✓	10103 ✓		1608 ✓	
		16763 ✓					30848 ✓			

F.B. 1377 PG. 125

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather PART CLOUDY Inst. No. 50010
Notes by G. E. DREIER Time 10:00 TO 11:30 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-55 To B.M. 11-57
Date 3-12-52
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
	1838	16.763	216	1.604		7.075	30.848	211	1.608	
	1622		212			6863		211		
	1410		428			6652		422		
5	4.870	1.623		2.032		20590	6.863	3	2.030	
	3.623		212			8.570		215		
	3411		211			8.355		213		
	3200		423			8142		428		
6	10.234	3.411		2.455		25067	8.356	9	2.458	
	2045		211			10.995		214		
	1834		211			10.781		211		
	1623		422			10.570		425		
7	5.502	1.834		2.877		32346	10.782	4	2.883	
	0.703		215			9.790		213		
	0.488		213			9.577		212		
	0.275		428			9.365		425		
8	1.466	0.489		3.305		28732	9.577	9	3.308	
	2551		148			8.998		143		
	2403		145			8.852		145		
	2258		293			8.707		288		
9	7.212	2.404		3.598		26557	8.852	291	3.596	
		26.524					75.278			

F.B. 1377 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 H. F. NAUMANN Weather PART-CLOUDY Inst. No. 50010
Notes by C.E.DREIER Time 10:00 TO 11:20 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-59 T. B.M. 11-57
Date 3-12-52
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
	1598	26.524	148	3.598		9.471	75.278	148	3.598	
	1450		148			9323		144	600	
	1302		296			9179		292	9+	
10	4.350	1.450		3.894		27.973	9.324		3.898	
	1301		146			10.281		148		
	1155		146			10.133		145		
	1009		292			9.988		293	5	
11	3.465	1.155		4.186		30.402	10.134		4.187	
	0.783		145			10.229		148		
	0.638		147			10.081		144		
	0.491		292			9937		292	7 6	
12	1.912	0.637		4.478		30.247	10.082		4.473	
	1522		112			8501		110		
	1410		110			8391		109		
	1300		222			8282		219	6 5	
13	4.232	1.411		4.700		25.174	8.391		4.698	
	8055		185			4.685		185		
	7.870		182			4500		184		
	7.688		367			4316		369	5	
14	23.613	7.871		5.067		13.501	4.500		5.068	
		39.048					117.709			

F.B. 1377 PG. 131

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 H. F. NAUMANN Weather PART CLOUDY Inst. No. 5001.0
Notes by G.E.DREIER Time 10:00 TO 11:20 Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-59 To B.M. 11-57
Date 3-12-52
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
	6.858	39.048	213	5.067		4.727	117.709	212	5.062	
	6.645		213			4.515		213	5	
	6.432		426			4.302		425	99	
15	19.935	6.645		5.493		13.544	4.515		5.486	
	7.098		221			3.798		220		SUMMATION OF RUN
	6.877		219			3.578		220	30	
	6.658		440			3.358		440	9	B.M. 11-59 TO B.M. 11-57
16	20.633	6.878		5.933		10.734	3.578		5.928	
	7.781		147			2.465		146		TOTAL FORESIGHTS + 68.931
	7.634		144			2.319		148		TOTAL BACKSIGHTS - 130.728
	7.490		291			2.171		294	4	
17	22.905	7.635		6.224		6.955	2.318		6.228	DIFF IN ELEVATION - 61.797
	8.837		112			2.715		107		
	8.725		111			2.608		108	9	B.M. 11-57
	8.614		223			2.500		215	8	SEE F.B. 1376-52
18	26.176	8.725		6.447	56°	7.823	2.608		6.435	FOR DESCRIPTION
F.B. 1377 PG. 132										
		68.931					130.728			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 11:30-2:10 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-59 to BM 11-61
Date 3-12-54
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
	2141		158		#7	9974		153		
	1983		154			9821		156		
	1829		312			9665		309		
1.	5953	1.984		312	56°	29460	9.820		309	B.M. 11-59 SEE F.B. 1376-55 FOR DESCRIPTION
	1278		125			10092		124		
	1153		123			9968		124		
	1030		248			9844		248		T.G.E. DEEPER
2	3461	1.154		560		29904	9.968		557	
	0896		108			9789		111		
	0788		109			9678		111		
	0679		217			9567		222		1 HOUR FOR LUNCH.
3	2363	0.788		777	56°	29034	9.678		779	
	1406		108			9480		110		
	1298		108			9370		111		
	1190		216			9259		221		
4	3894	1.298		993	60°	28109	9.370		1000	
	2199		212			6548		216		
	1987		214			6332		212		
	1773		426			6120		428		
5.	5959	1.986		1419		19000	6.333		1428	
		7.210					48.169			

F.B. 1377 PG. 133

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 11:30-2:10 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-59 To B.M. 11-61
Date 3-12-52
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
	1475	7.210	214	1.419		6484	45.169	211	1.428	
	1261		213			6273		211		
	1048		427			6062		422		
6	3784	1.261		1846		18819	6.273		1850	
	5609		156			4292		155		
	5453		155			4137		155		
	5298		311			3982		310		
7	16360	5.453		2157		12411	4.137		2160	
	7651		155			4054		154		
	7496		155			3900		154		
	7341		310			3746		308		
8	22488	7.496		2467		11700	3.900		2468	
		21.420					59.579			
										B.M. 11-60 (LAVERNE H-10) SEE F.B. 1576-54 FOR DESCRIPTION
F.B. 1377 PG. 134										
	8431		214			3583		210		
	8217		214			3373		212		
	8003		428			3161		422		
9	24651	8.217		2895		10117	3.372		2890	
		29.637					62.951			

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 11:30-2:10 PM Rod No. 7 F 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-57 To BM 11-61
Date 3-12-52
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
	7677	29.637	213	2895		2987	2.851	214	2.890	
	7464		213			2773		212		
	7251		426			2561		426		
10	22392	7.464		3321		8321	2.774		3316	
	9081		212			1897		215		
	8869		211			1682		214		
	8658		423			1468		429		
11	26608	8.869		3744		5047	1.682		3745	
	8602		211			2088		212		
	8391		210			1871		211		
	8181		421			1660		423		
12	25174	8.391		4165		5614	1.871		4168	
	9102		212			2010		212		
	8890		210			1798		213		
	8680		422			1585		425		
13	26672	8.891		4587		5393	1.798		4593	
	8781		212			2363		213		
	8569		210			2150		211		
	8359		422			1939		424		
14	25709	8.570		5009		6452	2.151		5017	
		71.822					73.127			

F.B. 1377 PG. 135

FORM 379 5M 7-40

PLEASE RETURN TO
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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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S SHINODA Time 11:30-2:10 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-59 To BM 11-61
Date 3-12-51
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
	8597	71.822 ✓	215	5.009 ✓		2164	73.127 ✓	214	5.017 ✓	
	8382		213			1950		211		
	8169		428 ✓			1739		425 ✓		
15	25148	8.383 ✓		5.437 ✓		5853	1.951 ✓		5442 ✓	
	8433		179			3531		178		BM 11-61 (LAVERNE 1-10)
	8254		181			3353		177		SEE F.B. 1376-55
	8073		360 ✓			3176		355 ✓		FOR DESCRIPTION
16	24760	8.253 ✓		5.797 ✓	57°	10060	3.353 ✓		5797 ✓	
										SUMMATION OF RUN
										BM 11-59 TO BM 11-61
										TOTAL BACKSIGHTS +88.458 ✓
										" FORESIGHTS -78.431 ✓
										DIFF. IN ELEVATION +10.027 ✓
		88.458 ✓					78.431 ✓			

F.B. 1377 PG. 136

FORM 379 SM 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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 2:10 - 2:40 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-61 To BM 11-59
Date 3-12-58
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
	3469		182		#7	6369		179		BM 11-61 (LAVERNE 1-10)
	3287		178			8190		179		SEE F.B. 1376-55
	3109		360 ✓			8011		358		FOR DESCRIPTION
1	9865 ✓	3288 ✓		3601 ✓	57°	24570 ✓	8.190 ✓		358 ✓	
	2181		211			8612		212		⊼ GE DREIER
	1970		211			8400		212		
	1759		422 ✓			8188		424 ✓		
2	5910 ✓	1.970 ✓		782 ✓		25200 ✓	8.400 ✓		782 ✓	
	2476		214			8897		214		
	2262		211			8683		212		
	2051		425 ✓			8471		426 ✓		
3	6789 ✓	2263 ✓		1207 ✓		26051 ✓	8.684 ✓		1208 ✓	
	1977		215			9070		211		
	1762		212			8859		210		
	1550		427 ✓			8649		421 ✓		
4	5289 ✓	1.763 ✓		1634 ✓		26578 ✓	8.859 ✓		1629 ✓	
	2070		213			9091		211		
	1857		214			8880		212		
	1643		427 ✓			8668		423 ✓		
5	5570 ✓	1.857 ✓		2061 ✓		26639 ✓	8.880 ✓		2052 ✓	
		11.141 ✓					43.013 ✓			

F.B. 1377 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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 2:10 - 2:40 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-61 To BM 11-59
Date 3-12-52
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
	2402	11.141	212	2.061		9085	43.013	214	2.052	
	2190		212			8871		211		
	1978		424			8660		425		
6	6570	2.190		2485		26616	8.872		2477	
	2881		211			7570		211		
	2670		211			7359		210		
	2459		422			7149		421		
7	8010	2.670		2907		22078	7.359		2898	
	3434		213			8273		212		
	3221		211			8061		211		
	3010		424			7850		423		STOPPED 2:40 PM 3-12-52
8	9665	3.222		3331	55°	24184	8.061		3321	
		19.223					67.305			
										B.M 11-60 (LAVERNE H-10)
										SEE F.B. 1376-54
										FOR DESCRIPTION
F.B. 1377 PG. 138										
	3488		157			7083		155		
	3331		153			6928		156		BEGAN 9:00 AM 3-13-52
	3178		310			6772		311		
9	9997	3.332		3641	51°	20783	6.928		3632	
		22.555					74233			

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:00 - 9:30 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-61 To BM 11-59
Date 3-12-52
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
	4327	22.555	156	3.641		5654	74.233	155	3.632	
	4171		155			5499		157		
	4016		311			5342		312		
10	12514	4.171		3952		16495	5.498		3944	
	6441		212			1420		214		
	6229		211			1206		215		
	6018		423			0991		429		
11	18688	6.229		4375		36171	1.206		4373	
	6819		211			2469		211		
	6608		212			2258		211		
	6396		423			2047		422		
12	19823	6.608		4798		67741	2.258		4795	
	9403		110			1327		108		
	9293		111			1219		108		
	9182		221			1111		216		
13	27878	9.293		5019		36571	1.219		5011	
	9741		111			0845		108		
	9630		111			0737		108		
	9519		222			0629		216		
14	28890	9.630		5241		22111	0.737		5227	
		58.484					85.151			

F.B. 1377 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 H. F. NAUMANN Weather CLOUDY Inst. No. 500.10
Notes by S. SHINODA Time 9:00-9:30A.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4925
From B.M. 11-61 To B.M. 11-59
Date 3-13-52
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
	10107	58.486	126	5.241		1291	85.151	123	5.227	
	9981		123			1168		123		
	9858		149			1045		246		
15	29946	9.982		5.490		3504	1.168		5.473	
	9903		151			2073		159		
	9752		151			1914		157		B.M. 11-59
	9601		302			1757		316		SEE F.B. 1376-55
16	29256	9.752		5.792	59°	5744	1.915		5.789	FOR DESCRIPTION
										SUMMATION OF RUN B.M. 11-61 TO B.M. 11-59
										TOTAL BACKSIGHTS +78.220 ✓
										~ FORESIGHTS -88.234 ✓
										DIFF. IN ELEVATION -10.014 ✓
		78.220					88.234			

F.B. 1377 PG. 140

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:40-11:20AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-61 To B.M. 11-65
Date 3-13-52
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
	10370		211		#7	2256		214		B.M. 11-61 (CAVE VIC 1-10)
	10159		211			2042		212		SEE F.B. 326-55
	9948		422			1830		426		FOR DESCRIPTION
1	30477	10.159		422	59°	6128	2.043		426	
	8291		212			2620		211		T.G.E. DREIER
	8079		213			2409		211		
	7866		425			2198		422		
2	24236	8.079		847		7227	2.409		848	
	8297		214			2837		214		
	8083		213			2623		211		
	7870		427			2412		425		
3	24250	8.083		1274		7872	2.624		1273	
	8430		212			2930		213		
	8218		213			2717		214		
	8005		425			2503		427		
4	24653	8.218		1699		8150	2.717		1700	
	7460		218			4434		219		
	7242		217			4215		216		
	7025		435			3999		435		
5	21727	7.242		2134		12648	4.216		2135	
		41.781					14.009			

F.B. 1377 PG. 141

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:40 - 11:20 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-61 To BM 11-65
Date 3-13-52
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
		41.781		2134			14.009		2135	B.M. 11-62 (U.S. 301) SEE F.B. 1376-56 FOR DESCRIPTION
6	4513 4291 4071 12875	4.292	222 220 442	2576		3137 2909 2682 8728	2.909	228 227 455	2590	
7	8029 7817 7603 23449	7.816	212 214 426	3002		3298 3085 2873 9256	3.085	213 212 425	3015	
8	8043 7830 7619 23492	7.831	213 211 424	3426		3446 3232 3020 9698	3.233	214 212 426	3441	
9	7928 7721 7513 23162	7.721	207 208 415	3841		3118 2910 2702 8730	2.913	208 208 416	3857	
		69.441					26.146			

F.B. 1377 PG. 142

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:40-11:20AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-61 To BM 11-65
Date 3-13-57
Indexed M. 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
	7489	6944 ✓	206	3841 ✓		2962	26.146 ✓	200	3.857 ✓	
	7283		205			2762		200		
	7078		411 ✓			2562		400 ✓		
10	21850 ✓	7.283 ✓		4252 ✓		8286 ✓	2.762 ✓		4257 ✓	
		76.724 ✓					28.908 ✓			BM 11-63 (0.5-300) SEE F.B. 1376-57 FOR DESCRIPTION
	5622		035			5494		033		
	5587		034			5461		034		
	5553		069 ✓			5427		067 ✓		
11	16762 ✓	5.587 ✓		4321 ✓		16382 ✓	5.461 ✓		4324 ✓	
		82.311 ✓					34.369 ✓			BM 11-64 (LAVERNE J-10) SEE F.B. 1376-57 FOR DESCRIPTION
	8568		210			2353		213		
	8358		211			2140		212		
	8147		421 ✓			1928		425 ✓		
12.	25073 ✓	8.358 ✓		4742 ✓		6421 ✓	2.140 ✓		4749 ✓	
		90.669 ✓					36.509 ✓			

F.B. 1377 PG. 143

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:40-11:20 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-61 To BM 11-65
Date 3-13-52
Indexed A. C. Johnson

F.B. 1377 PG. 144

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	8968	90.669	213	4742		2452	86.509	212	4749	
	8755		211			2240		211		
	8547		424			2029		423		
13	26270	8.756		5166		67121	2240		5172	
	7329		211			3767		215		
	7118		212			3552		212		
	6906		423			3340		427		
14	21353	7.118		5589		106591	3.553		5599	
	8976		213			2763		212		
	8763		211			2551		212		
	8552		424			2339		424		
15	26291	8.764		6013		76531	2.551		6023	
	8580		212			2800		213		
	8368		211			2587		215		
	8157		423			2372		428		
16	25105	8.368		6436		77591	2.586		6451	
	8573		213			2902		212		
	8360		213			2690		211		
	8147		426			2479		423		
17	25080	8.360		6426		80711	2.690		6874	
		132.835					50.129			

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:40-11:20AM Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-61 To BM 11-65
Date 3-13-52
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
	8431	132.035	212	6,862		2948	50.129	212	6,874	
	8219		212			2736		212		
	8007		424			2524		424		
18	24657	8.219		7.286		8208	2.736		7.298	
	8546		212			2711		212		
	8334		211			2499		213		
	8123		423			2286		425		
19	25003	8.334		7.709		7496	2.499		7.723	
	8644		215			3016		209		
	8429		216			2807		209		
	8213		431			2598		418		
20	25286	8.429		8.140		8421	2.807		8.141	
	7178		213			2957		214		
	6965		214			2743		213		
	6751		427			2530		427		
21	20894	6.965		8.567		8230	2.743		8.568	
	8072		212			3339		211		
	7860		211			3128		211		
	7649		423			2917		422		
22	23581	7.860		8.990		9384	3.128		8.990	
		171.842					64.042			

F.B. 1377 PG. 145

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. HAUKANE Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:40 - 11:20 AM Rod No. 7 & 8

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From BM 11-61 To BM 11-65
Date 3-13-52
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
	8109	171.842	213	8.990		3171	64.042	211	8.990	
	7896		214			2960		211		
	7682		427			2749		422		
23.	23687	7.896		9417		8880	2.960		9412	
	5479		175			3847		176		
	5304		173			3671		173		
	5131		348			3498		349		
24	15914	5.305		9765		11016	3.672		9761	
	9148		177			2929		174		
	8971		175			2755		174		
	8796		852			2581		348		
25	26915	8.972		10117	48°	8265	2.755		10109	BM 11-65 (LA VERNE L-101) SEE F.B. 1376-58 FOR DESCRIPTION
										SUMMATION OF RUN BM 11-61 TO BM 11-65
										TOTAL BACKSIGHTS +194.015 ✓
										~ FORESIGHTS - 73.429 ✓
										DIFF. IN ELEVATION +120.586 ✓
		194.015					73.429			

F.B. 1377 PG. 146

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHIGODA Time 11:30-2:20 PM Rod No. 7&8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-65 To BM 11-61
Date 3-13-52
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
	2856		176		#7	9070		177		BM 11-65 (LAVERNE L-10)
	2680		175			8893		174		SEE F.B. 376-58
	2505		351			8719		351		FOR DESCRIPTION
1	8041	2.680		351	48°	26782	8.894		351	
	3820		175			5453		174		T. E. LANDA
	3645		175			5279		171		
	3470		350			5108		345		
2	10935	3.645		701		15840	5.280		.696	
	3158		212			8095		215		
	2946		211			7880		217		
	2735		423			7663		432		
3	18839	2.946		1.124		23638	7.879		1128	
	3342		212			8078		215		
	3130		210			7863		213		
	2920		422			7650		428		
4	9992	3.131		1546		23591	7.864		1556	
	3469		214			7688		215		
	3255		213			7473		211		
	3041		427			7262		426		
5	9766	3.155		1973		22413	7.474		1981	
		15657					37391			

F.B. 1377 PG. 147

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S SHINODA Time 11:30-2:20 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-65 To BM 11-61
Date 3-15-52
Indexed A. C. Johnson

F.B. 1377 PG. 44 & 45

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	2967	15.057	213	1973		P590	37.391	212	1.982	
	2754		214			P378		215		
	2540		427			P163		427		
6	8261	2.754		2400		25131	P.317		2409	
	2746		213			P582		213		
	2533		211			8369		210		
	2322		424			8159		423		
7	7601	2.534		2824		25110	8.370		2832	
	3018		216			8500		214		
	2805		212			8286		211		1 HOUR FOR LUNCH
	2590		428			8075		425		
P	8410	2803		3252	50°	24861	8.287		3257	
	2862		214			8538		213		
	1648		211			8325		213		
	2437		425			8112		426		
9	7947	2.649		3677	51°	24975	8.325		3683	
	2812		213			8598		210		
	2599		214			8388		213		
	2385		427			8175		423		
10	7796	2.599		4104		25161	8.387		4106	
		18.596					79.137			

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50019
Notes by S. SHINODA Time 11:30-2:20PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4924
From BM 11-65 To SM 11-61
Date 3-13-58
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
	2765	18.996	213	4104		8981	79.137	213	4106	
	2552		212			8768		213		
	2340		425			8555		426		
11	7657	2.552		4529		26304	8.768		4532	
	3720		215			7283		213		
	3505		211			7070		210		
	3294		426			6860		423		
12	10519	3.506		4955		21213	7.071		4955	
	2470		212			8982		212		
	2258		215			8770		212		
	2043		427			8558		424		
13	6771	2.257		5382		26310	8.770		5379	
	2390		212			8610		212		
	2178		215			8398		210		
	1963		427			8188		422		
14	6531	2.177		5809		25196	8.399		5801	
										BM 11-64 (4 VERNE J-10) SEE F.B. 1376-57 FOR DESCRIPTION
		39.488					112.145			

F.B. 1377 PG. 145

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 500.10
Notes by J. SHINODA Time 11:30-2:20PM Rod No. 7 & 8

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From BM 11-65 To BM 11-61
Date 3-13-52
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
	5463	39.488	034	5.709		5587	112.145	034	5.801	
	5429		034			5553		034		
	5395		068			5519		068		
15	16287	5.429		5.877		16659	5.553		5.869	
		44917					117.698			BM 11-63 (U.S. 300)
										SEE F.B. 1376-57
										FOR DESCRIPTION
	2932		204			7457		205		
	2728		202			7252		204		
	2526		406			7048		409		
16	8186	2.729		6.283		21757	7.252		6.278	
	3050		207			7861		207		
	2843		206			7654		206		
	2637		413			7448		413		
17	8530	2.843		6.696		22963	7.654		6.691	
	3429		212			8031		212		
	3217		212			7819		211		
	3005		424			7608		423		
18	9651	3.217		7.120		23458	7.819		7.114	
		53.706					140.423			

F.B. 1377 PG. 150

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S SHINODA Time 11:30-2:20PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-65 To BM 11-61
Date 3-19-56
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
	3240	53.706	213	7.120		2971	140423	212	7.114	
	3027		214			7759		212		
	2813		427			7547		424		
19	9080	3.027		7547		23277	7.759		7538	
	3121		230			4498		221		
	2891		226			4277		221		
	2665		456			4056		442		
20	8677	2.892		6003		12831	4.277		7980	
		59.625					152459			
										B.M. 11-62 (U.S. 301) SEE F.B. 1376-56 FOR DESCRIPTION
	4405		218			7430		217		
	4187		216			7213		216		
	3971		434			6997		433		
21.	12563	4.188		8437		21640	7.213		8413	
	2877		209			8387		218		
	2668		209			8169		217		
	2459		418			7952		435		
22.	8004	2.668		8855		24508	8.169		8848	
		66.481					167.841			

F.B. 1377 PG. 151

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 11:30-2:20 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-65 To BM 11-61
Date 3-13-52
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
	2765	66.481	212	9.855		8223	167.841	212	8.848	
	2553		211			8011		211		
	2342		423			7800		423		
23	7660	2553		9278		24034	8.011		9.271	
	2474		212			8143		212		
	2262		211			7931		212		
	2051		423			7719		424		
24	6787	2.262		9.701		23793	7.931		9.695	
	2211		211			10310		212		
	2000		212			10100		210		B.M. 11-61 (LAVERNE I-10)
	1788		423			9890		422		SEE F.B. 1376-55
25	5999	2.000		10124	51°	30326	10.109		10117	FOR DESCRIPTION
										SUMMATION OF RUN
F.B. 1377 PG. 152										BM 11-65 TO BM 11-61
										TOTAL BACKSIGHTS +73.296
										~ FORESIGHTS -193.892
										DIFF. IN ELEVATION -120.596
		73.296					193.892			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:45-1:40 P.M. Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-65 To BM 11-61
Date 3-17-52
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
	2872		175		#7	9053		175		B.M. 11-65 (LA VERNE L-10)
	2697		175			8878		176		SEE F.B. 1376-58
	2522		350			8702		351		
1	8091	2.697		350	55°	26633	8.878		351	
	3793		173			5457		175		
	3620		174			5282		173		
	3446		347			5109		348		
2	10859	3.620		697		15848	5.283		699	
	3111		211			8043		212		
	2900		212			7831		211		
	2688		423			7620		423		
3	8699	2.900		1120		23494	7.831		1122	
	3324		212			8062		213		
	3112		211			7849		212		
	2901		423			7637		425		
4	9337	3.112		1543		23548	7.849		1547	
	2937		215			7151		209		
	2722		214			6942		211		
	2501		429			6731		420		
5	8167	2.722		1972		20824	6.941		1967	
		15.051					36.782			

F.B. 1377 PG. 153

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:45-1:40 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-65 To BM 11-61
Date 5-17-52
Indexed A. C. John, Jr.

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	2751	15.051	212	1972		8373	36.782	211	1967	
	2539		213			8162		212		
	2326		425			7950		423		
6.	7616	2.539		2397		24485	8.162		2390	
	2494		212			8329		211		
	2282		211			8118		211		
	2071		423			7907		422		
7	6847	2282		2820		24357	8.118		2812	
	2662		211			8148		212		
	2451		212			7936		212		
	2239		423			7724		424		
8.	7352	2.451		3243		23808	7.936		3236	
	2876		214			8545		214		
	2662		211			8331		213		
	2451		425			8119		427		
9	7989	2663		3668		24994	8331		3663	
	2801		215			8585		212		
	2588		215			8373		212		
	2373		428			8161		424		
10	7762	2.587		4096		25119	8373		4087	
		17.573					77.701			

F.B. 1377 PG. 154

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:45-1:20 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-65 To BM 11-61
Date 3-17-52
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
	2651	27.573	212	4.096		8862	77.702	211	4.087	
	2439		211			8651		212		
	2228		423			8439		423		
11	7318	2.439		4519		25952	8651		4510	
	2960		212			6523		212		
	2748		211			6311		211		
	2537		423			6100		423		
12	8245	2.748		4942		18934	6311		4933	
	2362		213			8873		211		
	2149		211			8662		212		
	1938		424			8450		423		
13	6449	2.150		5366		25985	8662		5356	
	2369		215			8583		212		
	2154		212			8371		209		
	1942		427			8162		421		
14	6465	2.155		5793		25116	8.372		5777	
										BM 11-64 (LAVERNE J-10) SEE F.B. 1376-57 FOR DESCRIPTION
		37.065					109.698			

F.B. 1377 PG. 155

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10.45-1:40 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-65 To BM 11-61
Date 3-17-52
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
	5428	37.065	036	5.793		5551	109.698	034	5.777	
	5392		034			5517		034		
	5358		070			5483		068		
15.	16178	53.931		5863		16551	55.517		5845	
		42.458					115.215			
										BM 11-63 (U.S. 300)
										SEE F.B. 1376
	2933		202			7454		204		
	2731		203			7250		203		
	2528		405			7047		407		
16	8192	2.731		6268		21751	7.250		6252	
	2962		209			7771		207		
	2753		206			7564		204		
	2547		415			7360		411		1 HOUR FOR LUNCH
17	8262	2.754		6683	57°	22695	7.565		6663	
	3482		211			8089		216		
	3271		209			7873		212		
	3062		420			7661		428		
18	9815	3.272		7103	62°	23623	7.874		7091	
		51.215					137.904			

F.B. 1377 PG. 156

FORM 379 SM 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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:45-1:40PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-61 To BM 11-61
Date 3-17-52
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
	3229	51.215	211	7.103		7960	137.904	213	7.091	
	3018		215			7747		213		
	2803		426			7534		426		
19	9050	3.017		7529		23241	7.747		7517	
	3068		229			4442		221		
	2839		228			4221		220		
	2611		457			4001		441		
20	8518	2.839		7986		12664	4.221		7958	
		57.071					149.872			BM 11-62 (US 301)
										SEE F B 1376-56
										FOR DESCRIPTION
	4485		223			7504		219		
	4262		223			7285		217		
	4039		446			7068		436		
21	12786	4262		8452		21857	7.286		8394	
	2831		214			8350		213		
	2617		214			8117		214		
	2403		428			7903		427		
22	7851	2.617		8800		24350	8.117		8821	
		63.950					165.275			

F.B. 1377 PG. 157

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:45-1:40 P Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-65 To B.M. 11-61
Date 3-17-52
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
	2867	63.950 ✓	204	8.860 ✓		8341	165.275 ✓	221	8.821 ✓	
	2663		204			8120		221		
	2459		408			7899		442 ✓		
23	7989 ✓	2663 ✓		9.268 ✓		24360 ✓	8.120 ✓	2	9.263 ✓	
	2537		213			8207		214		
	2324		212			7993		212		
	2112 ✓		425			7781 ✓		426 ✓		
24	6973 ✓	2324 ✓		9.693 ✓		23981 ✓	7.994 ✓		9.688 ✓	
	2198		212			10307		213		
	1986		212			10094		212		B.M. 11-61 (LA VERNE I-10)
	1774 ✓		424 ✓			9882 ✓		425 ✓		SEE F.B. 1376-55
25.	5958 ✓	1.986 ✓		10.117 ✓	57°	30283 ✓	10.094 ✓		10.113 ✓	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 11-65 TO B.M. 11-61
F.B. 1377 PG. 158										TOTAL BACKSIGHTS + 70.923 ✓
										" FORESIGHTS - 191.483 ✓
										DIFF. IN ELEVATION - 120.560 ✓
		70.923 ✓					191.483 ✓			

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 H. F. NAUMANN
Notes by S. SHIMODA
Weather CLOUDY
Time 1:45-2:05 PM
Inst. No. 50010
Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4925
From BM 11-61 To BM 11-62
Date 3-17-52
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
	10332		212		#7	2219		211		BM 11-61 (LAVERNE 1-10)
	10120		213			2008		211		SEE F.B 1376-55
	9907		425			1797		422		FOR DESCRIPTION
1	30359	10.120		425	57°	6024	2.008		422	
	8139		212			2473		212		T G E DREER
	7927		211			2261		212		
	7716		423			2049		424		
2	23782	7.927		848		6783	2.261		846	
	8273		212			2812		212		SUMMATION ON RUN
	8061		214			2600		212		BM 11-61 TO BM 11-62
	7847		426			2388		424		
3	24181	8.060		1274		7800	2.600		1270	
	8360		212			3862		212		TOTAL BACKSIGHTS +41.576
	8148		212			3650		212		- FORESIGHTS -14.813
	7956		424			3438		424		DIFF. IN ELEVATION +26.763
4	24464	8.148		1698		10950	3.650		1694	
	7540		219			4519		226		BM 11-62 (C.S. 30-1)
	7321		219			4293		223		SEE F.B 1376-56
	7102		438			4070		449		FOR DESCRIPTION
5	21963	7.321		2136		12882	4.294		2143	
		41.576					14.813			

F.B. 1377 PG. 155

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN 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. 1377 PG. 160

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 2:50-5:30PM Rod No. 7 & 8

L. A. CO. PRECISE LEVEL NET
Name
Job No. 4923
From BM 11-65 To BM 11-68
Date 3-13-57
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
1.	10087 9872 9659 19618	9.873	215 213 428	428	#7 51°	3187 2976 2765 8928	2.976	211 211 422	422	B.M 11-65 (AVENUE L-10) SEE F.B 1376-57 FOR DESCRIPTION
2	7831 7619 7409 22859	7.620	212 210 422	850		2938 2723 2511 8172	2.724	215 212 427	849	T.G.E. DREIER
3	8663 F452 8241 25356	8.452	211 211 422	1272		3389 3144 2931 9434	3.145	215 213 428	1277	
4	9577 9365 9153 28095	9.365	212 212 424	1696		2314 2101 1888 6303	2.101	213 213 426	1703	
5.	9389 9177 8965 27531	9.177	212 212 424	2120		2286 2072 1860 6218	2.073	214 212 426	2129	
		44.487					13.019			

F.B. 1377 PG. 161

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 2:50-3:30 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4925
From BM. 11-65 To BM. 11-68
Date 3-13-52
Indexed A. O. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	8369	44.487	212	2120		3301	13.019	211	2129	
	8157		212			3090		212		
	7945		424			2878		423		
6	24471	8.157		2544		9269	3.090		2552	
	7200		211			4005		212		
	6989		212			3793		212		
	6777		423			3581		424		
7	20966	6.989		2967		11379	3.793		2976	
	8702		212			3449		212		
	8490		212			3237		213		
	8278		424			3024		425		
8	25470	8.490		3391		9710	3.237		3401	
	7416		247			3919		247		
	7369		247			3672		244		
	7122		494			3428		491		
9	22107	7.369		3895		11019	3.673		3892	
F.B. 1377 PG. 162										BM. 11-66 (LAVERNE M-10) SEE F.B. 1376-59 FOR DESCRIPTION
		75492					26.812			

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 H. F. HAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 2:50-3:30 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-65 To BM 11-68
Date 3-13-52
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
	6917	75.492	215	3.885		5109	20.812	212	3892	
	6702		213			4897		213		
	6489		428			4684		425		
10.	20108	6.703		4313		14690	4.897		4317	
	7032		211			1781		228		
	6821		211			1553		226		STOPPED 3:30 PM 3-13-52
	6610		422			1327		454		
11.	20463	6.821		4735	48°	4661	1.554		4771	
	8162		182			1410		183		
	7980		182			1227		184		BEGAN 9:00 AM 3-14-52
	7798		364			1043		367		
12	23940	7.980		5099	59°	3680	1.227		5138	
	11461		250			11328		235		
	11211		250			11093		233		
	10961		500			10860		468		
13	33633	11.211		5599		35281	11.094		5606	
	6822		211			4408		215		
	6611		210			4193		212		
	6401		421			3981		427		
14.	19834	6.611		6020		12582	4.194		6033	
		114.818					49.778			

F.B. 1377 PG. 163

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:00-10.00AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-65 To BM 11-68
Date 5-14-52
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
	11598	114.818	245	6.020		3066	49.778	239	6.033	
	11353		243			2827		240		
	11110		488			2587		479		
15	34061	11354		6508		8480	2827		6512	
	6123		241			4567		244		
	5882		242			4323		241		
	5640		483			4082		485		
16	17645	5882		6991		12972	4324		6997	
	9777		220			5852		219		
	9557		219			5633		219		
	9338		439			5414		438		
17	28672	9557		7430		16899	5633		7435	
	9245		220			8070		220		
	9025		220			7850		220		
	8805		440			7630		440		
18	27075	9025		7870		23550	7850		7876	
	7010		220			2720		220		
	6793		217			2500		221		
	6573		437			2279		441		
19	20376	6791		8307		7499	2500		8316	
		157.427					72.912			

F.B. 1377 PG. 164

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:00-10:00 AM Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-65 To BM 11-68
Date 3-14-52
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
	4584	157427	072	8307		6690	72.912	073	8.316	
	4512		072			6617		073		
	4440		144			6544		146		
20	13536	4.512		8451		19851	6.617		8462	
		161.939					79.529			B.M 11-67 (U.S. 305) SEE F.B. 1376-60 FOR DESCRIPTION
	2090		097			7429		094		
	1993		096			7335		094		B.M 11-68 (U.S. 304) SEE F.B. 1376-60 FOR DESCRIPTION
	1897		193			7241		188		
21	5980	1.993		8644		22005	7.335		8658	
	2953		100			7359		096		
	2853		097			7263		095		SUMMATION OF RUN B.M 11-65 TO B.M. 11-68
	2756		197			7148		191		
22	8562	2.854		8841	52°	21730	7.243		8841	
										TOTAL BACKSIGHTS = 166.786
										" FORESIGHTS = 94.107
										DIFF. IN ELEVATION = +72.679
		166.786					94.107			

F.B. 1377 PG. 165

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party M. F. NAUMANN 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. 1377 PG. 166

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 10:00 - 11:45 AM Rod No. 778

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-68 To BM 11-65
Date 3-14-52
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
	7323		095		#7	2939		099		
	7228		096			2840		099		B.M. 11-68 (OS 1964)
	7132		191			2741		198		SEE F.B. 1376-60
1.	21683	7.228		.191	52°	8520	2.840		.198	FOR DESCRIPTION
	7377		095			2038		097		
	7282		094			1941		097		T G.E. DREIER
	7188		189			1844		194		
2	21847	7.282		380		5823	1.941		392	
		14.510					4.781			
										B.M. 11-67 (OS 1964)
										SEE F.B. 1376-60
										FOR DESCRIPTION
	6898		073			4790		072		
	6825		073			4718		071		
	6752		146			4647		143		
3.	20475	6.825		.526		14155	4.718		.535	
	2673		220			6969		220		
	2453		220			6749		220		
	2233		440			6529		440		
4.	7359	2.453		966		20247	6.749		.975	
		23.788					16.248			

F.B. 1377 PG. 167

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 10:00 - 11:45 Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-68 To BM 11-65
Date 3-14-52
Indexed A. C. Johnson

F.B. 1377 PG. 168

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	8021	13.788	221	966		9195	16.248	219	975	
	7800		220			8976		219		
	7582		444			8757		438		
5	23401	7.800		1407		26928	8.976		1413	
	5851		220			9774		219		
	5631		221			9555		219		
	5410		441			9336		438		
6	16892	5.631		1848		28665	9.555		1851	
	4486		243			6049		242		
	4243		241			5807		244		
	4002		484			5563		486		
7	12731	4.244		2332		17419	5.806		2337	
	3017		242			11552		243		
	2775		240			11309		245		
	2535		482			11064		488		
8	8327	2.776		2814		33925	11.308		2825	
	4229		213			6639		211		
	4016		218			6428		210		
	3803		426			6218		421		
9	12048	4.016		3.240		19285	6.428		3.246	
		48.255					58.521			

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 10:00-11:45 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-64 To B.M. 11-65
Date 3-13-52
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
	11328	48.255	243	3.240		11438	58.321	241	3.246	
	11085		242			11198		241		
	10843		485			10957		482		
10.	33256	11.085		3.725		33594	11.198		3.728	
	1098		187			7842		182		
	0911		183			7660		182		
	0728		370			7478		364		
11.	2737	6.912		4095		22980	7.660		4092	
	1585		226			6837		212		
	1359		227			6625		213		
	1132		453			6412		425		
12.	4076	1.359		4548		19874	6.625		4517	
	4526		205			6352		221		
	4321		205			6131		222		
	4116		410			5909		443		
13	12963	4.321		4958		18392	6.131		4960	
										B.M. 11-66 (LAVERNE M10) SEE F.B. 1576, 59 FOR DESCRIPTION
		65.932					88.935			

F.B. 1377 PG. 167

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 10:00-11:45 Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-68 To BM 11-66
Date 3-14-52
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
	3827	65.932	246	4.958		7518	89.935	247	4.960	
	3581		245			7271		245		
	3336		491			7026		492		
14	10744	3.581		5449		21815	7.272		5.452	
	3158		213			8410		213		
	2945		213			8197		214		
	2732		420			7983		427		
15	8835	2.945		5875		24590	8.197		5879	
	3675		212			6868		210		
	3463		213			6658		213		
	3250		425			6445		423		
16	10388	3.463		6300		19971	6.657		6302	
	2956		212			8023		212		
	2744		211			7811		210		
	2533		423			7601		422		
17	8233	2.744		6723		23435	7.812		6724	
	1922		212			9024		212		
	1710		211			8812		212		
	1499		423			8600		424		
18	5131	1.710		7146		26436	8.812		7148	
		80.375					128.685			

F.B. 1377 PG. 170

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 10:00-11:45AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4925
From B.M. 11-68 To B.M. 11-65
Date 3-14-52
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
	1913	80.375	213	7.146		9177	128.685	210	7.148	
	1700		213			8967		211		
	1487		426			8756		421		
19	5100	1700		7572		26900	8.967		7.569	
	2949		214			8252		212		SUMMATION OF RUN
	2735		213			8040		212		B.M. 11-68 TO B.M. 11-65
	2522		427			7828		424		
20	8206	2735		7999		24120	8.040		7.993	
	2653		212			7543		211		TOTAL BACKSIGHTS = 89.891
	2441		213			7332		211		" FORESIGHTS = 162.556
	2228		425			7121		422		DIFF. IN ELEVATION = 72.675
21	7322	2.441		8.424		21996	7.332		8.415	
	2841		211			9744		212		
	2630		210			9532		212		B.M. 11-65 (LA VERNE L-10)
	2420		421			9320		424		SEE F.B. 1316-52
22	7891	2.630		8845	58°	28596	9.532		8.839	FOR DESCRIPTION
		89.891					162.556			

F.B. 1372 PG. 171

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN 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. 1377 PG. 172

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 1:10-2:15 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-65 To BM 11-70
Date 3-14-52
Indexed E. G. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	2775		214		#7	8838		216		BM 11-65 (LA VERNE 4-10)
	2561		212			8622		212		SEE F.B. 1376 PG. 58
	2349		426			8410		428		FOR DESCRIPTION
1.	7685	2.562		426	50°	25870	8.623		428	
	1759		215			9800		213		T. E. LANDA
	1544		213			9587		214		
	1331		428			9373		427		
2	4634	1.545		.854		28760	9.587		855	
	0942		212			9848		213		
	0730		212			9635		213		
	0518		424			9422		426		
3	2190	0.730		1.278		28905	9.635		1.281	
	0825		215			10562		213		
	0610		213			10349		212		
	0397		428			10137		425		
4	1832	0.611		1.706		31048	10.349		1.706	
	0752		214			10117		215		
	0538		213			9902		212		
	0325		427			9690		427		
5.	1615	0.538		2.135		29709	9.903		2.135	
		5.986					48.097			

F.B. 1377 PG. 173

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINADA Time 1:10 - 2:15 PM Rod No. 748

Name L. A. CO. PRECISE LEVEL NET
Job No. 4925
From BM 11-65 To BM 11-70
Date 3-14-52
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
	1393	5.986	213	2.133		9945	48.197	213	2.133	
	1180		211			9732		211		
	0969		424			9521		424		
6	3542	1.181		2557		29198	9.733		2557	
	1222		212			10463		213		
	1010		210			10250		212		
	0800		422			10038		425		
7	3032	1.011		2979		30751	10.250		2982	
	2548		213			8804		213		
	2335		213			8591		213		
	2122		426			8378		426		
8	7005	2335		3405		25773	8.591		3408	
	0761		261			11779		259		
	0500		259			11520		258		
	0241		520			11262		517		
9	1502	0.501		3925		34561	11.520		3925	
										BM 11-69 (LAVERNE L-11) SEE F.B. 1376-61 FOR DESCRIPTION
		11.014					88.191			

F.B. 1377 PG. 174

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 1:10-2:15 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-65 To BM 11-70
Date 3-14-57
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
	2430	11.014	212	3925		9722	88 191	214	3.925	
	2218		215			9508		210		
	2003		427			9298		424		
10	6651	2217		4352		28528	9.509		4349	
	1246		214			10179		211		
	1032		212			9968		213		
	0820		426			9755		424		
11	3098	1033		4778		29902	9.967		4773	
	0754		214			10548		216		
	0540		212			10332		212		
	0328		426			10120		428		
12	1622	0.541		5204		31000	10.333		5201	
	0610		212			10565		214		
	0398		213			10351		211		
	0185		425			10140		425		
13	1193	0.398		5629		31056	10.352		5626	
	0830		213			10132		214		
	0617		215			9918		210		
	0402		428			9708		424		
14	1849	0.616		6057		29758	9.919		6050	
		15.819					138.271			

F.B. 1377 PG. 175

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 1:10 - 2:15 PM Rod No. 7 & 8

Name **L. A. CO. PRECISE LEVEL NET**
Job No. 4923
From B.M. 11-65 To B.M. 11-70
Date 3-14-52
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
	1400	15.819	212	6.057		10411	131.271	213	6.050	
	11188		213			10198		213		
	09775		425			99785		426		
15	35363	11.788		6482		305974	10.198		6476	
	07299		214			10652		213		
	05155		214			10439		212		STOPPED 2:15 PM 3-14-52
	03014		428			10227		425		
16	15458	0.515		6910	56°	31318	10.439		6901	
	10577		202			10189		203		BEGAN 9:00 AM 3-17-52
	08555		200			9986		202		SUMMATION OF RUN
	06555		402			97844		405		BM 11-65 TO BM 11-70
17	25667	0.856		7312	53°	299599	9.986		7306	
	09005		204			110722		206		TOTAL BACKSIGHTS +190.73
	06956		206			108466		204		" FORESIGHTS -179.761
	04905		410			106624		410		DIFF. IN ELEVATION -160.688
18	20857	0.695		7722	53°	326004	10.867		7716	FINISHED 9:10 AM 3-17-52
F.B. 1377 PG. 176										
19										BM 11-70
										SEE F.B. 1376-62
										FOR DESCRIPTION
		19.073					179.761			

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by J SHINODA Time 9:10 - 10:30AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-70 To BM 11-65
Date 3-17-52
Indexed R. O. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	11065		206		#7	0893		205		BM 11-70
	10859		204			0688		206		SEE F.B 1376-6
	10655		410			0482		411		FOR DESCRIPTION
1	32579	10.860		.410	53°	2063	0.688		.411	
	10248		203			1117		202		T E. LANDA
	10045		203			0915		202		
	9842		406			0713		404		
2	30135	10.045		.816		2745	0.915		.815	
	10648		213			0722		212		
	10430		209			0510		211		
	10221		422			0299		423		
3	31294	10.431		1238		1531	0.510		1238	
	10399		214			1388		213		
	10185		213			1175		213		
	9972		427			0962		426		
4	30556	10.185		1665		3525	1.175		1664	
	10134		214			0880		212		
	9920		210			0618		215		
	9710		424			0409		427		
5	29764	9.921		2089		1851	0.617		2091	
		51.442					3.905			

F.B. 1377 PG. 177

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 9:10-10:30 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-70 To BM 11-65
Date 3-17-52
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
	10568	51.442	214	2.089		0614	3.705	214	2.091	
	10354		214			0400		213		
	10140		428			0187		427		
6	31062	10354		2517		1201	0.400		2518	
	10502		211			0712		212		
	10291		211			0500		212		
	10080		422			0288		424		
7	30873	10.291		2939		1500	0.500		2942	
	10175		213			1242		212		
	9962		212			1030		212		
	9750		425			0818		424		
8	29887	9.962		3364		3090	1.030		3366	
	9708		213			2418		216		
	9495		212			2202		212		
	9283		425			1990		428		
9	28486	9.495		3.789		6610	2.203		3794	
										BM 11-69 (LAVERNE L-11)
										SEE F.B. 1376-61
										FOR DESCRIPTION
		91.544					8.038			

F.B. 1377 PG. 178

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather Cloudy Inst. No. 50010
Notes by S. SHINODA Time 9:10-10:30AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-70 To BM 11-65
Date 3-17-52
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
	11763	91.544	258	3.789		0748	8.038	260	3.794	
	11505		255			0488		259		
	11250		513			0229		519		
10	34518	11.506		4302		1465	0.488		4313	
	8815		214			2562		213		
	8601		211			2349		211		
	8390		425			2138		424		
11	25806	8.602		4727		7649	2.550		4737	
	10448		213			1208		213		
	10235		213			0995		212		
	10022		426			0783		425		
12	30705	10.235		5153		2996	0.995		5162	
	9908		215			1358		216		
	9693		211			1142		212		
	9482		426			0930		428		
13	29083	9.694		5579		3430	1.143		5590	
	10092		212			0730		212		
	9880		210			0518		213		
	9670		422	6001		0305		425		
14	29642	9.881		5991		1553	0.518		6015	
		141.462					13.532			

F.B. 1377 PG. 175

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:10 - 10:30 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-70 To BM 11-65
Date 5-17-52
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	10630	141.462	216	~~5991~~ 6001		0889	13.532	210	6.015	
	10414		214			0679		213		
	10200		430			0466		423		
15	31244	10.415		6421		2034	0.678		6438	
	10242		214			1338		212		
	10028		216			1126		208		SUMMATION OF RUN
	9812		430			0918		420		BM 11-70 TO BM 11-65
16	30082	10.027		6851		3382	1.127		6858	
	10115		214			2075		214		TOTAL BACKSIGHTS +180.489
	9901		212			1861		212		" FORESIGHTS - 19.826
	9689		426			1649		426		DIFF. IN ELEVATION +160.663.
17	29705	9.902		7277		5585	1.862		7284	
	8898		216			2840		214		
	8682		212			2626		211		BM 11-65 (LAVERNE L-10)
	8470		428			2415		425		SEE F.B. 1376-58
18	26050	8.683		7705	55°	7881	2.627		7709	FOR DESCRIPTION
		180.489					19.826			

F.B. 1377 PG. 180

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 2:15-2:45PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-69 To BM 11-65
Date 3-17-55
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
	11730		258		#8	0710		258		BM 11-69 (LA VERNE L-11)
	11472		255			0452		256		SEE F.B. 1376-GO
	11217		515			0196		514		FOR DESCRIPTION
1	34419	11.473		513	57°	1358	0.453		514	
	8751		212			2494		213		
	8539		211			2281		213		T.G.E. DREIER
	8328		423			2068		426		
2	25618	8539		936		6843	2.281		940	
	10442		212			1201		211		
	10230		213			0989		211		
	10017		425			0771		423		
3	30689	10.230		1361		2968	0.989		1363	
	9885		212			1332		212		
	9673		210			1120		212		
	9463		422			0908		424		
4	29021	9.674		1.783		3360	1.120		1787	
	10066		214			0700		211		
	9852		212			0489		212		
	9640		426			0277		423		
5	29558	9.853		2.209		1766	0.489		2210	
		49.769					5.332			

F.B. 1377 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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 2:15 - 2:45 PM Rod No. 178

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-69 To BM 11-65
Date 3-17-52
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
	10522	49.769	212	2.209		07845	5.332	213	2.210	
	10310		212			05571		213		
	10098		424			03358		426		
6	30930	10.310		2633		17133	0.571		2636	
	10153		212			12511		211		
	9941		211			10402		212		SUMMATION OF RUN
	9730		423			08226		423		B.M 11-69 TO B.M 11-65
7	29824	9.941		3056		31191	1.040		3059	
	10101		213			20593		213		TOTAL BACKSIGHTS +88.590
	9888		213			18462		214		" FORESIGHTS -11.415
	9675		426			16332		427		DIFF. IN ELEVATION +77.175
8	29664	9.888		3482		55371	1.846		3486	
	8895		213			28393		213		
	8682		212			26262		214		BM 11-65 (LAVERNE 4-10)
	8470		425			24132		427		SEE F.B. 1376-58
9	26047	8.682		3907	53°	78777	2.626		3913	FOR DESCRIPTION
		88.590					11.415			

F.B. 1377 PG. 182

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. HAUMANN Weather CLOUDY Inst. No. 50010
Notes by C.E. DREIER Time 2:55 To 3:30 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-70 To B.M. 11-72
Date 3-17-52
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
	3070		212		#7	10925		213		B.M. 11-70
	2858		214			10.712		210		SEE F.B. 1376-62
	2644		426			10.502		423		FOR DESCRIPTION
1	8.572	2.857		426	53°	32.139	10.713		423	
	0705		213			10.660		230		T. E. LANDA
	0492		212			10.430		228		
	0.280		425			10.202		458		
2	1.477	0492		851		31.292	10.431		881	
	1689		197			10.182		212		
	1.492		195			9.970		212		
	1297		392			9758		424		
3	4.478	1.493		1243		29.910	9.970		1305	
	1.678		215			10.195		214		
	1.463		211			9.981		211		
	1.252		426			9.770		425		
4	4.393	1.464		1.669		29.946	9.982		1.730	
	1285		225			9.560		201		
	1.060		222			9359		201		
	0.838		447			9158		402		
5	3.183	1.061		2.116	53°	28.077	9.359		2.132	
		7.367					50.455			

F.B. 1377 PG. 183

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010

Notes by G. E. DREIER Time 2:55 TO 3:30 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-70 To B.M. 11-72
Date 3-17-52
Indexed A. C. Johnson

F.B. 1377 PG. 184

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	2.032	7.367	214	2.116		9.128	50.155	215	2.132	
	1.818		214			8.913		211		
	1.604		428			8.702		426		
6	5.454	1.818		2.544		26.743	8.914		2.558	
	1.652		214			7.957		214		
	1.438		216			9.743		211		
	1.222		430			9.532		425		
7	4.312	1.437		2.974		29.232	9.744		2.983	
	0.861		218			10.294		210		
	0.643		215			10.084		208		
	0.428		433			9.876		418		
8	1.932	0.644		3.407		30.254	10.085		3.401	
	1.947		163			9.118		160		
	1.784		159			8.958		158		
	1.625		322			8.800		318		
9	5.356	1.785		3.729		26.876	8.959		3.719	
	1.902		154			9.846		155		
	1.748		154			9.691		152		
	1.594		308			9.539		307		
10	5.244	1.748		4.037		29.076	9.692		4.026	
		14.799					97.849			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by G.E. DREIER Time 8:40 TO 9:25 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-70 To B.M. 11-72
Date 3-18-52
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
		14.799		4.037			9.849		4.026	B.M. 11-71 (CLARMONT L-1) SEE F.B. 1396-63 FOR DESCRIPTION
	2092		208			9948		218		
	1884		206			9730		217		
	1678		414			9513		435		
11	5.654	1.885		4.451	49°	29191	9.730		4.461	
	1750		161			8903		163		
	1589		161			8740		165		
	1428		322			8575		328		
12	4.767	1.589		4.773		26218	8.749		4.789	
	0915		210			9930		202		
	0705		207			9728		206		
	0498		417			9522		408		
13	2.118	0.706		5.190		29180	9.727		5.197	
	1859		169			8157		170		
	1690		169			7987		169		
	1521		338			7818		339		
14	5.070	1.690		5.528		23962	7.987		5.536	
		20.669					134.043			

F.B. 1377 PG. 185

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by C. E. DREIER Time 8:40 TO 9:25 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-70 To B.M. 11-72
Date 3-18-52
Indexed I. 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
	1730	20.669	170	5528		7.919	130.42	169	5.536	
	1560		169			7.750		168		SUMMATION OF RUN
	139		339			7582		337		B.M. 11-70 TO B.M. 11-72
15	4.681	1.560		5.867		23.251	7.750		5.873	
	1915		168			7.949		169		TOTAL BACKSIGHTS + 25.938
	1.747		169			7.780		169		TOTAL FORESIGHTS - 163.183
	1578		337			7.611		338		DIFF. IN ELEVATION - 137.245
16	5.240	1.747		6.204		23.340	7.780		6.211	
	1.719		215			5.379		210		
	1.495		213			5.169		210		
	1.282		428			4.959		420		
17	4.487	1.496		6.632		15.507	5.169		6.631	
	0.695		231			8.676		235		
	0.465		227			8.441		233		B.M. 11-72 (CLAREMONT L-1A)
	0.238		458			8.208		468		SEE F.B. 1376-64
18	1.398	0.466		7.089	48°	25.325	8.442		7.099	FOR DESCRIPTION
		25.938					163.173			

F.B. 1377 PG. 186

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by G. E DREIER Time 9:30 TO 10:40 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-72 To BM 11-70
Date 3-18-52
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
	8801		235		#7	0819		229		
	8566		235			0590		230		B.M. 11-72 (CLAREMONT L 1A)
	8331		470			0360		459		SEE F.B. 1372 PG 4
1	25698	8.566		470	48°	1769	0.590		459	FOR DESCRIPTION
	5395		213			1724		213		
	5182		211			1511		211		T. E. LANDA
	4971		424			1300		424		
2	15548	5183		894		4535	1.512		883	
	7965		167			1932		170		
	7798		170			1762		169		
	7628		337			1593		339		
3	23391	7.797		1231		5287	1.762		1222	
	7927		168			1741		171		
	7759		169			1570		169		
	7590		337			1401		340		
4	23276	7.759		1565		4712	1.571		1562	
	8172		170			1875		170		
	8002		170			1705		167		
	7832		340			1538		337		
5	24006	8.002		1908		5118	1.706		1899	
		37.307					7.141			

F.B. 1377 PG. 187

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by G. F. DREIER Time 9:30 TO 10:40 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-72 To B.M. 11-70
Date 3-18-52
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
	10.110	37.307	205	1908		1.094	7.[illegible]41	209	1899	
	9.905		205			0.885		206		
	9.700		410			0.679		415		
6	29.715	9.905		2.318		2.658	0.886		2.314	
	8.593		163			1.441		161		
	8.430		163			1.280		161		
	8.267		326			1.119		322		
7	25.290	8.430		2.644		3.840	1.280		2.636	
	10.152		212			2.302		203		
	9.940		211			2.099		205		
	9.729		423			1.894		408		
8	29.821	9.940		3.067		6.295	2.098		3.044	
		65.582					[illegible]			B.M. 11-71 (CLAREMONT L-1) SEE F.B. 1376-63 FOR DESCRIPTION
	951[illegible]		151			1.575		160		
	9360		150			1.415		157		
	921[illegible]		301			1.258		317		
9	28.081	9.360		3.368		4.248	1.416		3.361	
		74.942					12.871			

F.B. 1377 PG. 188

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by G. E. DREIER Time 9:30 TO 10:40 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 492
From B.M. 11-12 T. B.M. 11-70
Date 3-18-52
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
	9085	7.9412	159	3.368		1914	1.2821	160	3.361	
	8926		158			1754		159		
	8768		31.7			1595		319		
10	26.779	8.926		3.685		5.263	1.754		3.680	
	10.290		213			0.847		215		
	10.077		213			0632		212		
	9.864		426			0.420		427		
11	30.231	10.077		4.111		1.899	0.633		4.107	
	9.983		213			1.679		214		
	9770		212			1465		214		
	9558		425			1251		428		
12	29.311	9.770		4.536		4.395	1.465		4.535	
	9.165		215			2.068		213		
	8950		211			1.855		212		
	8739		426			1.643		425		
13	26.854	8.951		4.962		5.566	1.855		4.960	
	9.843		212			1.545		213		
	9631		212			1.332		211		
	9419		424			1.121		424		
14	28.893	9.631		5.386		3.998	1.333		5.384	
		122.297					19.856			

F.B. 1377 PG. 185

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by G. E. DREIER Time 9:30 TO 10:40 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-72 To B.M. 11-70
Date 3-18-52
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
	10.212	122.297	212	5386		1691	1.485	211	5384	
	10.000		213			1.480		216		SUMMIATION OF RUN
	9.787		425			1270		421		B.M. 11-72 TO B.M. 11-70
15	29.999	0.0001		5811		4.441	1.480		5805	
	10.133		213			1.640		198		TOTAL BACKSIGHTS + 163.277
	9.920		212			1.442		197		TOTAL FORESIGHTS - 26.042
	9.708		425			1245		395		DIFF IN ELEVATION + 137.235
16	29.761	9.920		6236		4.327	1.442		6200	
	10.589		219			0.651		221		
	10.370		220			0.430		220		
	10.150		439			0.210		441		
17	31.109	10.370		6675		1.291	0.430		6641	
	10.900		210			3.052		213		
	10.690		211			2.839		214		B.M. 11-70
	10.479		421			2625		427		SEE F.B. 1376-62
18	32.069	10.690		7096	50°	8.516	2.839		7068	FOR DESCRIPTION

F.B. 1377 PG. 19

163.277

26.042

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 H. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 11:10-1:30 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 1923
From BM 11-72 To BM 11-74
Date 5-18-54
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
	1423		123		#7	9327		126		B.M. 11-72 (CLAREMONT L-1A)
	1300		124			9201		126		SEE FB 1576 64
	1176		247			9075		252		FOR DESCRIPTION
1	3899	1.300		247	50°	27603	9.201		252	
	1501		213			9761		211		
	1288		210			9550		210		T.G.E. DREIER
	1078		423			9340		421		
2	3867	1.289		670		28651	9.550		673	
	2071		215			8939		212		
	1858		214			8727		212		
	1644		427			8515		424		
3	5573	1.858		1097		26181	8.727		1097	
	2077		212			9583		212		
	1865		212			9371		212		
	1653		424			9159		424		
4	5595	1.865		1521		28113	9.371		1521	
	1689		211			8933		212		
	1478		211			8721		211		
	1267		422			8510		423		
5	4434	1.478		1943		26164	8.721		1946	
		7.790					45.570			

F.B. 1377 PG. 47

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by J. SHINODA Time 11:10 - 1:30 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-72 To BM 11-74
Date 5-18-52
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
	2368	1.790	162	1.943		8213	4.370	159	1.944	
	2206		161			8054		159		
	2045		161			7895		318		
6	6619	2.206	484	2.266		24162	8.054	636	2.262	
	3425		158			8216		157		
	3267		158			8059		157		
	3109		316			7902		314		
7	9801	3.267	632	2.582		24177	8.059	628	2.576	
		13.263					61.683			
										BM 11-73 (CLAREMONT L-2) SEE F.B. 1376-65 FOR DESCRIPTION
	2918		212			8582		212		
	2706		215			8370		211		
	2491		427			8159		423		
8	8115	2.705	854	3.009		25111	8.370	846	2.999	
	2477		212			9449		213		
	2265		212			9236		214		
	2053		424			9022		427		
9	6795	2.265	848	3.433		27707	9.236	854	3.426	
		18.233					79.289			

F.B. 1377 PG. 152

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 H. F. KAUMANN Weather OVERCAST Inst. No. 50019
Notes by S. SHINODA Time 11:10 - 1:30 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4925
From BM 11-72 To BM 11-74
Date 3-18-52
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
	1843	18.233	214	3.433		8689	8.289	212	3.426	
	1629		213			8477		212		
	1416		427			8265		424		
10.	4888	1.629		3860		25431	8.477		3.850	
	1799		215			8913		212		
	1584		213			8701		212		
	1371		428			8489		424		
11	4754	1.585		4288		26103	8.701		4.274	
	2228		211			9122		213		
	2017		209			8909		215		
	1808		420			8694		428		
12	6053	2.018		4708		26725	8.908		4.702	
	1635		214			9306		213		
	1421		212			9093		212		
	1209		426			8881		425		
13	4265	1.422		5.134	56°	27280	9.093		5.127	1 HOUR FOR LUNCH
	1353		213			8621		211		
	1140		212			8410		212		
	0928		425			8198		423		
14.	3421	1.140		5559	53°	25229	8.410		5.550	
		26.027					122.878			

F.B. 1377 PG. 193

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 11:10 - 1:30 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4925
From BM 11-72 To BM 11-74
Date 3-18-52
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
	2361	26.027	212	5.559		8121	27.878	211	5.550	
	2149		212			7910		211		
	1937		424			7699		422		
15	6447	2.149		5983		23730	7.910		5972	
	2102		212			8991		212		
	1890		212			8779		212		
	1678		424			8567		424		
16	5670	1.890		6407		26337	8.779		6396	
	2137		214			8799		213		
	1925		212			8586		213		
	1711		426			8373		426		
17	5771	1.924		6833		25758	8.586		6822	
	2210		213			8091		211		
	1997		213			7880		210		
	1784		426			7670		421		
18	5991	1.997		7259		23641	7.880		7243	
	2593		182			8158		188		
	2411		181			7970		188		
	2230		363			7782		376		
20	7234	2.411		7622		23910	7.970		7619	
		36.398					164.003			

F.B. 1377 PG. 194

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by J. SHINODA Time 11:10 - 1:30 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-72 To BM 11-74
Date 3-18-52
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
	2807	36.398 ✓	184	7.622 ✓		9079	164.003 ✓	185	7.619 ✓	
	2623		181			8894		183		B.M. 11-74 (CLAREMONT K-3A)
	2442		365 ✓			8711		368 ✓		SEE F.B. 1376-66
21	7872 ✓	2624 ✓		7987 ✓	53°	26684 ✓	8895 ✓		7987 ✓	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 11-72 TO B.M. 11-74
										TOTAL BACKSIGHTS + 39.022 ✓
										" FORESIGHTS - 172.898 ✓
										DIFF. IN ELEVATION -133.876 ✓
		39.022 ✓					172.898 ✓			

F.B. 1377 PG. 195

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 H. F. NAUMANN 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. 137 PG. 196

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 1:30-2:40P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-74 To BM 11-72
Date 3-18-52
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
	9129		184		#7	2854		182		BM 11-74 (CLAREMONT K-3A
	8945		184			2672		182		SEE F.B. 1376-66
	8761		368			2490		364		FOR DESCRIPTION
1.	26835	8.945		368	53°	8016	2.672		364	
	7972		184			2413		183		
	7788		185			2230		183		T G.E DREIER
	7603		369			2047		366		
2	23363	7.788		737		6690	2.230		730	
	8135		211			2250		211		
	7924		211			2039		211		
	7713		422			1828		422		
3	23772	7.924		1.159		6117	2.039		1.152	
	8772		212			2111		212		
	8560		212			1899		214		
	8348		424			1685		426		
4	25680	8.560		1.583		5695	1.898		1.578	
	8992		212			2105		213		
	8780		212			1892		212		
	8568		424			1680		425		
5	26340	8.780		2.007		5677	1.892		2.003	
		41.997					10.731			

F.B. 1377 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 H. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 1:30-2:40 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-74 To BM 11-72
Date 3-18-52
Indexed A. C. Johnson

F.B. 1377 PG. 19 & 8

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	8101	41.997	212	2.007		2341	10.731	212	2.003	
	7889		210			2129		212		
	7679		422			1917		424		
6	23669	7.890		2429		6387	2.129		2427	
	8811		211			1542		212		
	8600		211			1330		211		
	8389		422			1119		423		
7	25800	8.600		2851		3991	1.330		2850	
	9315		212			1646		215		
	9103		212			1431		211		
	8891		424			1220		426		
8	27309	9.103		3275		4297	1.432		3276	
	9073		211			2188		215		
	8862		211			1973		212		
	8651		422			1761		427		
9	26586	8.862		3697		5922	1.974		3703	
	8928		214			1812		214		
	8714		211			1598		213		
	8503		425			1385		427		
10	26145	8.715		4122		4795	1.598		4130	
		85.167					19.194			

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 H. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S. SHIMODA Time 1:30 - 2:40 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-74 To BM 11-72
Date 3-18-52
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
	8661	85.167	212	4.122		1817	19.194	214	4.130	
	8449		212			1603		212		
	8237		424			1391		426		
11.	25347	8.449		4546		4811	1.604		4556	
	9093		214			2110		208		
	8879		216			1902		207		
	8663		430			1695		415		
12.	26635	8.878		4976		5707	1.902		4971	
	8221		212			2558		213		
	8009		212			2345		213		
	7797		424			2132		426		
13	24027	8.009		5400		7035	2.345		5397	
		110.503					25.045			B.M 11-73 (CLAREMONT L-2) SEE F.B. 1376-65 FOR DESCRIPTION
	8194		157			3402		158		
	8037		157			3244		158		
	7880		314			3086		316		
14	24111	8.037		5714		9732	3.244		5713	
		118.540					28.289			

F.B. 1377 PG. 199

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather OVERCAST Inst. No. 5001.0
Notes by S. SHINODA Time 1:30 - 2:40PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-74 To BM 11-72
Date 3-18-52
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
	8238	18.540	161	5.714		2387	2.228	160	5.713	
	8077		161			2227		159		
	7916		322			2068		319		
15	24231	8077		6036		6682	2.227		6032	
	8939		213			1693		211		
	8726		213			1482		211		
	8513		426			1271		422		
16	26178	8.726		6462		4446	1.482		6454	
	9596		213			2090		212		
	9383		213			1878		212		
	9170		426			1666		424		
17	28149	9.383		6888		5634	1.878		6878	
	8892		209			2028		216		
	8683		210			1812		213		
	8473		419			1599		429		
18	26048	8.683		7307		5439	1.813		7307	
	9759		212			1499		211		
	9547		212			1288		211		
	9335		424			1077		422		
19	28641	9.547		7739		3864	1.288		7739	
		162.956					36.977			

F.B. 1377 PG. 200

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather OVERCAST Inst. No. 50010
Notes by S. SHINODA Time 1:30 - 2:40 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-74 To BM 11-72
Date 3-18-52
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
	9313	162.950	125	7.731		1.411	36.977	125	7.729	
	9188		126			1.286		124		B.M. 11-72 (CLAREMONT L-1A)
	9062		251			1.162		249		SEE F.B. 1376-64
10.	27563	9.188		7.982	55°	3859	1.286		7.978	FOR DESCRIPTION
										SUMMATION OF RUN
										BM 11-74 TO BM 11-72
										TOTAL BACKSIGHTS +172.144
										" FORESIGHTS - 38.263
										DIFF. IN ELEVATION +133.881
		172144					38263			

F.B. 1377 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 H. F. NAUMANN 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. 1377 PG. 202

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 H. F. NAUMANN Weather CLOUDY & WINDY Inst. No. S-4010
Notes by G.E. DREIER Time 2:45 TO 3:20 Rod No. 7&8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-74 To B.M. 11-76
Date 3-18-52
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
	3496		213		#7	8849		213		B.M. 11-74 (CLAREMONT K-3A)
	3283		211			8636		213		SEE F.B. 1376-66
	3072		424			8423		426		FOR DESCRIPTION
1	9851	3.284		424	52°	25908	8.636		426	
	2552		213			8102		214		T. E. LANDA
	2339		215			7888		213		
	2124		428			7675		427		
2	7015	2.338		852		23665	7.888		853	
	2436		216			8163		213		
	2220		213			7950		211		
	2007		429			7739		424		
3	6663	2221		1281		23852	7.951		1277	
	2860		168			7778		168		
	2692		165			7610		168		
	2527		333			7442		336		
4	8079	2.693		1614		22830	7.610		1613	
	3632		162			8314		164		
	3470		162			8150		165		
	3308		324			7985		329		
5	10410	3.470		1938	52°	24449	8.150		1942	
		14,006					40.235			

F.B. 1377 PG. 20.3

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by G.E. DREIER Time 9:00 TO 10:05 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-74 To B.M. 11-76
Date 3-19-52
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
		14006 ✓		1.938 ✓	50°		12.335 ✓		1.942 ✓	B.M. 11-75 (CLAREMONT K-3) SEE F.B. 1376-67 FOR DESCRIPTION ✓
	3.750		212			8.551		215		
	3.538		215			8.336		215		
	3.323		427			8.121		430		
6	10.611	3.537 ✓		2.365 ✓		25.008	8.336 ✓		2.372 ✓	
	3.254		199			8.154		226		
	3.055		197			7.928		226		
	2.858		396 ✓			7.702		452 ✓		
7	9.167	3.056 ✓		2.761 ✓		23.784	7.928 ✓		2.824 ✓	
	2.690		227			8.230		200		
	2.463		223			8.030		200		
	2.240		450 ✓			7.830		400 ✓		
8	7.393	2.464 ✓		3.211 ✓		24.090	8.030 ✓		3.224 ✓	
	3.369		213			8.094		214		
	3.156		214			7.880		210		
	2.942		427 ✓			7.670		424 ✓		
9	9.467	3.156 ✓		3.638 ✓		23.644	7.881 ✓		3.648 ✓	
		26.219 ✓					74.410 ✓			

F.B. 1372 PG. 204

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by G.E. DREIER Time 2:45 TO 10:05 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-74 T. B.M. 11-76
Date 3-19-72
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
	2819	26.219	213	3.638		8.322	72.410	214	3.648	
	2606		213			8108		213		
	2393		426			7895		427		
10	7.818	2.606		4.064		24325	8.108		4.075	
	2789		212			8115		213		
	2577		214			7902		212		
	2363		426			7690		425		
11	7.729	2.576		4.490		23707	7.902		4.500	
	2986		211			7960		213		
	2775		212			7747		212		
	2563		423			7535		425		
12	8.324	2.775		4.913		23242	7.747		4.925	
	3210		212			8382		212		
	2998		214			8170		210		
	2784		426			7960		422		
13	8.992	2.997		5.339		24512	8.171		5.347	
	2742		212			8388		215		
	2530		210			8173		212		
	2320		422			7961		427		
14	7.592	2.531		5.761		24522	8.174		5.774	
		39.704					112.51			

F.B. 1377 PG. 205

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by G.E. DREIER Time 7:00 TO 10:05 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-74 To B.M. 11-76
Date 3-19-52
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
	2.755	3.704	215	5.761		7.785	12.514	213	5.774	
	2.540		215			7.572		212		
	2.325		430			7.360		425		SUMMATION OF RUN
15	7.620	2.540		6.191		22.717	7.572		6.199	B.M. 11-74 TO B.M. 11-76
	3.232		212			7.954		214		
	3.020		215			7.740		212		TOTAL BACKSIGHTS + 53.416
	2.805		427			7.528		426		TOTAL FORESIGHTS - 141.867
16	9.057	3.019		6.618		23.222	7.741		6.625	DIFF IN ELEVATION = 88.451
	4.165		145			6.625		141		
	4.020		142			6.484		141		
	3.878		287			6.343		282		
18	12.063	4.021		6.905		19.452	6.484		6.907	
	4.279		148			7.705		146		
	4.131		146			7.559		149		B.M. 11-76
	3.985		294			7.410		295		SEE F.B. 1376-68
18	12.395	4.132		7.199	54°	22.674	7.558		7.202	FOR DESCRIPTION

F.B. 1377 PG. 206

53.416 ✓

~~141.758~~ 141.867 ✓

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 H. F. NAUMANN Weather CLOUDY Inst. No. 5001.0
Notes by C. E. DREIER Time 10:05 TO 11:15 Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-76 To B.M. 11-74
Date 3-19-52
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
	7699		148		#7	4270		146		
	7551		148			4124		145		B.M. 11-76
	7403		296			3979		291		SEE F.B. 1376 - 68
1	22653	7.551		296	54°	12373	4.124		291	FOR DESCRIPTION
	6649		141			4188		144		
	6508		140			4044		144		AT E. LANDA
	6368		281			3900		288		
2	19525	6.508		577		12132	4.044		579	
	7940		215			3218		216		
	7725		212			3002		213		
	7513		427			2789		429		
3	23178	7.726		1004		9009	3.003		1008	
	7830		214			2798		215		
	7616		214			2583		212		
	7402		428			2371	2.584	427		
4	22848	7.616		1432		7752	2.874		1435	
	8370		212			2728		215		
	8158		213			2513		211		
	7945		425			2302		426		
5	24473	8.158		1857		7543	2.514		1861	
		37.559					16.269			

F.B. 1377 PG. 207

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by C. E. DREIER Time 10:05 TO 11:15 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-76 To B.M. 11-74
Date 3-19-52
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
	8410	37.559	212	1857		3.231	~~16.455~~ 16.269	214	1.861	
	8.198		213			3.023		213		
	7985		425			2810		427		
6	24593	8.198		2.282		9.070	3.023		2.288	
	7955		213			2981		211		
	7.742		212			2770		211		
	7.500		425			2559		422		
7	23227	7.742		2.707		8.310	2.770		2.710	
	8.120		214			2.791		213		
	7.906		211			2.578		213		
	7.695		425			2.365		426		
8	23721	7.907		3.132		7.734	2.578		3.136	
	8.263		213			2764		213		
	8.059		210			2.551		211		
	7.840		423			2.340		424		
9	24153	8.051		3.555		7.655	2.552		3.560	
	8.080		213			3353		213		
	7.867		214			3.140		212		
	7653		427			2928		425		
10	23660	7.867		3.982		9421	3.140		3.985	
		77.324					~~30.623~~ 30.332			

F.B. 1377 PG. 208

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-76 To B.M. 11-74
Date 3-19-52
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
	8.371	77.324	211	3.982		2805	30.332	210	3.985	
	8.160		213			2595		214		
	7947		424			2381		429		
11	24478	8.159		4406		7.781	2.594		4409	
	8.011		226			3111		198		
	7.785		225			2.913		198		
	7560		451			2715		396		
12	23356	7.785		4.857		8.739	2.913		4.805	
	8531		204			3.750		225		
	8.327		205			3525		223		
	8122		409			3302		448		
13	24980	8.327		5.266		10.577	3.526		5.253	
		101.595					39.365			B.M. 11-75 (CLAREMONT K-3) SEE F.B. 1376-67 FOR DESCRIPTION
	8570		160			3900		165		
	8410		159			3735		165		
	8.251		319			3570		330		
14	25231	8.410		5.585		11.205	3.735		5583	
		110.005					43.100			

F.B. 1377 PG. 207

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

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

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-76 To B.M. 11-74
Date 3-19-52
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
	7.817	110.005	167	5.585		2955	113.100	170	5.583	
	7700		168			2785		166		
	7552		335			2619		336		
15	23.099	7.700		5.920		8359	2.786		5.919	SUMMATION OF RUN B.M. 11-76 TO B.M. 11-74
	8201		211			2475		215		TOTAL BACKSIGHTS + 142.153
	7990		212			2260		212		TOTAL FORESIGHTS - 53.706
	7778		423			2048		427		DIFF. IN ELEVATION + 88.447
16	23969	7.990		6.343		6783	2.261		6.346	
	8128		213			2582		214		
	7915		213			2368		216		
	7702		426			2152		430		
17	23745	7.915		6769		7102	2.367		6.776	
	8738		216			3402		210		
	8542		214			3192		209		B.M. 11-74 (CLAREMONT K-3A)
	8328		430			2983		419		SEE F.B. 1376-66
18	25628	8.543		7.199	58°	9577	3.192		7.195	FOR DESCRIPTION
		142.153					53.706			

F.B. 1377 PG. 210

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 10:00 TO 10:20 Rod No. 708

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-75 To B.M. 11-74
Date 3-20-52
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
	8308		166		#7	3628		164		
	8142		164			3464		162		B.M. 11-75 (CLAREMONT K-3)
	7978		330			3302		326		SEE F.B. 1376-67
1	24428	8.143		330	58°	10394	3.465		326	FOR DESCRIPTION
	7695		167			2782		168		T. E. LANDA
	7528		168			2616		167		
	7360		335			2449		335		
2	22583	7.528		665		7849	2.616		661	
	8191		213			2462		210		SUMMATION OF RUN
	7978		213			2252		212		B.M. 11-75 TO B.M. 11-74
	7765		426			2040		422		TOTAL BACKSIGHTS + 40.050
3	23934	7.978		1091		6754	2.251		1083	TOTAL FORESIGHTS - 13.834
	8160		212			2617		215		DIFF. IN ELEVATION + 26.216
	7948		215			2402		214		
	7733		427			2188		429		
4	23841	7.947		1518		7207	2.402		1512	
	8667		214			3312		212		
	8453		212			3100		212		B.M. 11-74 (CLAREMONT K-3A)
	8241		426			2888		424		SEE F.B. 1376-68
5	25361	8.454		1944	58°	9300	3.100		1936	FOR DESCRIPTION
		40.050					13.834			

F.B. 1377 PG. 211

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E.DREIER Time 10:20 TO 10:35 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-74 To B.M. 11-75
Date 3-20-52
Indexed S. 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
	3324		212		#7	8680		215		B.M. 11-74 (CLAREMONT K-3A)
	3112		210			8465		213		SEE F.B. 1376-66
	2902		422			8252		428		FOR DESCRIPTION
1	9,338	3.113		422	58°	25397	8.466		428	
	2.680		215			8.229		215		T. E. LANDA
	2.465		213			8.014		214		
	2.252		428			7806		429		SUMMATION OF RUN
2	7.397	2.466		850		24.043	8.014		858	B.M. 11-74 TO B.M. 11-75
	2410		215			8165		212		TOTAL BACKSIGHTS + 14.078
	2225		213			7953		213		TOTAL FORESIGHTS - 40.293
	2012		428			7741		425		DIFF. IN ELEVATION - 26.215
3	6.677	2226		1,278		23858	7.953		1282	
	2870		168			7781		166		
	2702		168			7615		166		
	2534		336			7449		332		
4	8.106	2.702		1.614		22.845	7.615		1.614	
	3756		166			8408		163		
	3570		164			8245		163		B.M. 11-75 (CLAREMONT K-3)
	3406		330			8082		326		SEE F.B. 1376-67
5	10.712	3.571		1.944	56°	24.735	8.245		1.940	FOR DESCRIPTION
		14.078					4			

F.B. 1377 PG. 212

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by J. SHINODA Time 11:50 - 1:40 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-76 To BM 11-77
Date 5-19-52
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
	5469		214		#7	6648		211		
	5235		214			6437		214		
	5021		428 ✓			6223		425 ✓		
1	15705 ✓	5235 ✓		428 ✓	58°	19308 ✓	6.436 ✓		.425 ✓	
	4082		212			6422		212		
	3870		210			6210		211		
	3660		422 ✓			5999		423 ✓		
2	11612 ✓	3.871 ✓		.850 ✓		18631 ✓	6.210 ✓		.848 ✓	
	4937		214			5277		214		
	4723		212			5063		212		
	4511		426 ✓			4851		426 ✓		
3	14171 ✓	4.724 ✓		1.276 ✓		15191 ✓	5.064 ✓		1.274 ✓	
	4178		216			6126		214		
	3962		212			5912		213		
	3750		428 ✓			5699		427 ✓		
4	11890 ✓	3.963 ✓		1.704 ✓		17737 ✓	5.912 ✓		1.701 ✓	
	3947		147			6927		149		
	3800		149			6778		147		
	3651		296 ✓			6631		296 ✓		
5	11398 ✓	3.799 ✓		2.000 ✓		20336 ✓	6.779 ✓		1.997 ✓	
		21.592 ✓					30.401 ✓			

F.B. 1377 PG. 213

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 11:30 - 1:40 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4925
From BM 11-76 To BM 11-77
Date 8-19-52
Indexed A. C. Johnson

F.B. 1377 PG. 214

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	3283	21.592	212	2000		7452	30.401	211	1.997	
	3071		212			7241		212		1 HOUR FOR LUNCH
	2859		424			7029		423		
6	9213	3.071		2424	60°	21722	7.244		2420	
	3021		214			7803		212		
	2807		215			7591		212		
	2592		429			7379		424		
7	8420	2.807		2853	65°	22773	7.591		2844	
	4010		212			7219		212		
	3798		212			7007		211		
	3586		424			6796		423		
8	11394	3.798		3.277		21022	7.007		3.267	
	3718		215			8129		212		
	3503		213			7917		211		
	3290		428			7706		423		
9	10511	3.504		3.705		23752	7.917		3.690	
	3861		203			5859		212		
	3658		205			5647		214		
	3453		408			5433		426		
10	10972	3.657		4113		16939	5.646		4116	
		38.429					65.803			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 11:30-1:40 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-76 To BM 11-77
Date 3-19-52
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
	3457	38.429	214	4113		4809	65 803	213	4116	
	3243		213			4595		213		
	3030		427			4382		426		
11	9730	3.243		4540		13785	4.595		4542	
	3477		213			6360		212		
	3264		213			6148		212		
	3051		426			5936		424		
12	9792	3.264		4966		18444	6.148		4966	
	4967		197			6290		197		
	4770		198			6093		195		
	4572		395			5898		392		
13	14309	4.770		5361		18281	6.094		5358	
	4076		226			7289		224		
	3850		227			7065		224		
	3623		453			6841		448		
14	11549	3.850		5814		21195	7.065		5806	
	3038		187			6791		211		
	2851		189			6580		211		
	2662		376			6369		422		
15	8551	2.850		6190		19740	6.580		6228	
		56.406					66.285			

F.B. 377 PG. 215

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 11:30-1:40P. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-76 To BM 11-77
Date 3-19-52
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
	3783	56406	231	6190		6860	96485	210	6228	
	3552		229			6650		209		
	3523		460			6441		419		
16.	10658	3.553		6650		19951	6.650		6647	
	5218		228			10756		217		BM 11-77
	4990		228			10539		217		SEE F.B. 1376-69
	4762		456			10322		434		FOR DESCRIPTION
17	14970	4.990		7.106	64°	31617	10.539		7.081	
										SUMMATION OF RUN
										BM 11-76 TO BM 11-77
										TOTAL BACKSIGHTS +64.949
										" FORESIGHTS -113.474
										DIFF. IN ELEVATION -48.525
F.B. 1377 PG. 216										
		64.949					113.474			

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 H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 8:45 - 9:50 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-77 To BM 11-76
Date 5-20-52
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
	10667		219		#7	5121		227		
	10448		218			4894		224		
	10230		437			4670		451		
1.	31345	10.448		437	55°	14685	4.895		451	B.M 11-77 SEE F.B. 1376-69 FOR DESCRIPTION
	6998		223			3898		218		
	6775		223			3680		218		T G.E. DREIER
	6552		446			3462		436		
2	20325	6.775		885		11040	3.680		887	
	6849		211			3948		190		
	6638		210			3758		190		
	6428		421			3568		380		
3	19915	6.638		1304		11274	3.758		1267	
	6662		215			2610		234		
	6447		216			2376		235		
	6231		431			2141		469		
4	19340	6.447		1735		7127	2.376		1736	
	6311		196			4991		198		
	6115		196			4793		195		
	5919		392			4598		393		
5	18345	6.115		2127		14382	4.794		1129	
		36.423					19.503			

F.B. 1377 PG. 217

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 8:45 - 9:50 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-77 To BM 11-76
Date 3-20-51
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
	6350	36.423	213	2127		3469	19.503	212	2129	
	6137		212			3257		214		
	5925		425			3043		426		
6	18412	6.137		2552		9769	3.256		2555	
	4410		212			3459		213		
	4198		210			3246		215		
	4388		422			3031		428		
7	13796	4599		2974		9736	3.245		2983	
	4877		214			2877		200		
	4663		212			2677		200		
	4451		426			2477		400		
8	13991	4664		3400		8031	2.677		3383	
	7879		212			3468		215		
	7667		213			3253		212		
	7454		425			3041		427		
9	23000	7.667		3825		9762	3.254		3810	
	7063		208			3637		216		
	6855		208			3421		218		
	6647		416			3203		434		
10	20565	6.855		4241		10261	3.420		4244	
		66.345					35.355			

F.B. 1377 PG. 218

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by S. SHINODA Time 8:45-9:50AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-7 To BM 11-76
Date 3-20-52
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
	7663	66.345	212	4.241		3109	35.355	213	4.244	
	7451		211			2896		213		
	7240		423			2683		426		
11.	22354	7.445		4644		8688	2896		4670	
	7450		211			3285		214		
	7239		211			3071		212		
	7028		422			2859		426		
12.	21717	7.239		5.086		9215	3.072		5.096	
	6942		153			3956		146		
	6789		150			3810		146		
	6639		303			3664		292		
13.	20370	6.790		5389		11430	3.810		5388	
	6353		214			4404		212		
	6139		214			4192		212		
	5925		428			3980		424		
14.	18417	6.139		5817		12576	4.192		5812	
	5367		215			5021		211		
	5152		213			4810		212		
	4939		428			4598		423		
15.	15458	5.153		6245		14429	4.810		6235	
		99.117					54.155			

F.B. 1377 PG. 215

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLOUDY Inst. No. 50010
Notes by J. SHINODA Time 8:45-9:50 Rod No. 7E8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-77 To BM 11-76
Date 3-20-52
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
	6398	99.117	214	6.285		4059	54.135	212	6.285	
	6184		213			3847		212		
	5971		427			3635		424		
16	18553	6.184		6672		11541	3.847		6659	
	7002		210			5806		215		
	6792		209			5591		213		BM 11-76
	6583		419			5378		428		SEE F.B 1376-68
17	20377	6.792		7091	60°	16775	5.591		7077	FOR DESCRIPTION
										SUMMATION OF RUN
										BM 11-77 TO BM 11-76
										TOTAL BACKSIGHTS +112.093
										FORESIGHTS - 63.574
										DIFF. IN ELEVATION +48.519
		112.093					63.574			

F.B. 1377 PG. 220

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:50-11:30AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-77 To BM 11-78
Date 5-20-52
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
	6008		214		#7	6472		213		BM 11-77
	5794		212			6259		216		SEE F.B. 1376-69
	5582		426			6043		429		FOR DESCRIPTION
1	17384	5.795		426	58°	18774	6.258		429	
	5844		212			7288		215		
	5632		212			7073		212		H. G. E. DREIER
	5420		424			6861		427		
2	16896	5.632		850		21222	7.074		856	
	4908		216			6850		210		
	4692		213			6640		210		
	4479		429			6430		420		
3	14079	4.693		1279		19920	6.640		1276	
	5290		212			6880		212		
	5078		213			6668		212		
	4865		425			6456		424		
4	15233	5.078		1.704		20004	6.668		1.700	
	5256		213			6951		212		
	5043		212			6739		211		
	4831		425			6528		423		
5	15130	5.043		2.129		20218	6.739		2.123	
		26.141					33.379			

F.B. 1377 PG. 221

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:50-11:35 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-77 To BM 11-78
Date 3-20-52
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
	5084	26.241	225	2.129		6400	33.379	228	2.123	
	4859		228			6172		217		
	4631		453			5945		455		
6	14574	4.858		2582		18517	6.172		3578	
	5043		213			6913		212		
	4830		212			6701		212		SUMMATION OF RUN
	4618		425			6489		424		B.M. 11-77 TO B.M. 11-78
7	14491	4.830		3007		20103	6.701		3002	
	5236		183			6220		179		TOTAL BACKSIGHTS +45.921
	5053		183			6041		179		- FORESIGHTS -58.742
	4870		366			5862		358		DIFF. IN ELEVATION -12.821
8	15159	5.053		3373		18123	6.041		3360	
	5119		180			6632		183		
	4939		180			6449		182		BM 11-78
	4759		360			6267		365		SEE F.B. 1376-70
9	14817	4.939		3733	61°	19348	6.449		3725	FOR DESCRIPTION
F.B. 1377 PG. 222										
		45.921					58.742			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:30-12:00AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-78 To BM 11-77
Date 3-20-52
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
	6652		181		#7	5140		181		
	6471		181			4959		181		B.M 11-78
	6290		362			4778		362		SEE F.B. 1876, 70
1.	19413	6.471		362	61°	14877	4.959		362	FOR DESCRIPTION
	6160		180			5173		181		
	5980		180			4992		181		T.G.E. DREYER
	5800		360			4811		362		
2	17940	5.980		722		14976	4.992		724	
	6856		213			4984		212		
	6643		214			4772		212		
	6429		427			4560		424		
3	19928	6.643		1149		14316	4.772		1148	
	6521		227			5209		227		
	6294		227			4982		229		
	6067		454			4753		456		
4	18882	6.294		1603		14944	4.981		1604	
	7031		212			5333		213		
	6819		212			5120		212		
	6607		424			4908		425		
5.	20457	6.819		2027		15361	5.120		2.029	
		32.207					24.824			

F.B. 1377 PG. 223

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 11:30-12:00 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4925
From BM 11-78 To BM 11-77
Date 5-20-52
Indexed A. C. Johnson

F.B. 1377 PG. 224

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6863	32.207	213	2.027		5278	24.824	215	2.029	
	6650		211			5063		213		
	6439		424			4850		428		
6	19952	6.651		2.451		15191	5.064		2.457	
	7107		211			5162		215		
	6896		211			4947		216		SUMMATION OF RUN
	6685		422			4731		431		BM 11-78 TO BM 11-77
7	20688	6.896		2.875		14840	4.947		2.888	
	7346		217			5898		210		TOTAL BACKSIGHTS +59.904
	7129		218			5688		208		- FORESIGHTS -47.085
	6911		435			5480		418		DIFF. IN ELEVATION +12.819
8	21386	7.129		3.308		17066	5.689		3.306	
	7233		213			6773		212		
	7020		211			6561		211		BM 11-77
	6809		424			6350		423		SEE F.B. 1376-69
9	21062	7.021		3.732	60°	19684	6.561		3.729	FOR DESCRIPTION
		59.904					47.085			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 1:05 TO 2:30 Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-78 To BM 11-80
Date 5-20-55
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
	6.241		044		#7	5309		045		B.M. 11-78
	6.197		045			5264		045		SEE F.B. 1376 - 70
	6.152		089	85		5219		090		FOR DESCRIPTION
1	18.590	6.197		.090	62°	15.792	5.264		090	
										T E. LANCA
										B.M. 11-79 (U.S. 1242)
										SEE F.B. 1376 - 70
										FOR DESCRIPTION
	4092		171			7355		186		
	3921		171			7169		183		
	3750		342	1		6986		369		
2	11.763	3921		432		21.510	7.170		459	
	4798		220			6465		205		
	4578		221			6260		206		
	4357		441	2		6054		411		
3	13.733	4.578		878		18.779	6260		870	
	6171		212			6838		212		
	5959		214			6626		210		
	5745		426	8		6416		422		
4	17.875	5958		1.298		19.880	6627		1.292	
		20.654					25.321			

F.B. 1377 PG. 225

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 1:05 TO 2:35 Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4933
From BM 11-78 To BM 11-80
Date 3-20-52
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
	5.885	2.065	2.14	1.298		6.210	5.321	2.15	1.292	
	5.571		2.13			5.995		2.13		
	5.358		4.27	5		5.782		4.28		
5	16.814	5.591		1.726		17.987	5.996		1.720	
	5.494		2.14			6.032		2.12		
	5.280		2.13			5.820		2.15		
	5.067		4.27	2		5.605		4.27		
6	15.841	5.280		2.153		17.457	5.819		2.147	
	3.778		2.13			6.152		2.12		
	3.565		2.12			5.940		2.10		
	3.353		4.25	7		5.730		4.22		
7	10.696	3.565		2.578		17.822	5.941		2.569	
	5.121		2.30			6.315		2.27		
	4.891		2.26			6.088		2.28		
	4.665		4.56	3		5.860		4.55		
8	14.677	4.892		3.034		18.263	6.088		3.024	
	4.584		2.16			6.165		2.12		
	4.368		2.14			5.953		2.11		
	4.154		4.30	3		5.742		4.23		
9	13.106	4.369		3.464		17.860	5.953		3.447	
		44.351					55.178			

F.B. 1377 PG. 226

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by C.E. DREIER Time 1:05 TO 2:30 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-78 To B.M. 11-80
Date 3-20-52
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
	4975	4.435 ✓	214	3.467 ✓		4.750	5.118 ✓	211	3.447 ✓	
	4.761		213			4539		211		
	4548		427 ✓			4328		422 ✓		
10	14.284 ✓	4.761 ✓		3.894 ✓		13.617 ✓	4.539 ✓		3.869 ✓	
	3021		141			6606		143		
	2880		140			6.463		141		
	2740		281 ✓			6322	2.264	284 ✓		
11	8.641 ✓	2.880 ✓		4.172 ✓		19.391 ✓	6.264 ✓		4.153 ✓	
	4.675		227			6255		216		
	4.448		225			6039		214		
	4223		452 ✓			5825		430 ✓		
12	13.346 ✓	4.449 ✓		4.624 ✓		18.119 ✓	6.040 ✓		4.583 ✓	
	4760		205			6475		223		
	4555		206			6.252		220		
X	4349		411 ✓			6032		443 ✓		
13	13664 ✓	4.555 ✓		5.035 ✓		18.759 ✓	6.253 ✓		5.026 ✓	
	5566		133			6330		132		
	5433		132			6198		133		
	5301		265 ✓			6065		265 ✓		
14	16.300 ✓	5.433 ✓		5.299 ✓		18.593 ✓	6.198 ✓		5.291 ✓	
		66.429 ✓					~~84.442~~ 84.612 ✓			

F.B. 1377 PG. 227

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather PART - CLOUDY Inst. No. 50010
Notes by G. E. DREIER Time 1:05 TO 2:30 Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-78 To B.M. 11-80
Date 3-20-52
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
	4.682	66.429	.214	5.~~300~~ 299		6.638	8.~~0~~12	214	5.291	
	4468		211			6424		214		
	4257		425	4		6210		428		SUMMATION OF RUN
15	13407	4.469		5.725		19272	6.424		5719	B.M. 11-78 TO B.M. 11-80
	5480		211			5815		217		
	5269		212			5598		213		TOTAL BACKSIGHTS + 85.999
	5057		423	7		5385		430		TOTAL FORESIGHTS - 108.021
16	15806	5.269		6.148		16798	5.599		6.149	DIFF IN ELEVATION - 22.022
	5319		157			5718		157		
	5162		153			5561		153		
	5009		310	7		5408		310		
17	15490	5.163		6458		16687	5562		6459	
	4868		199			6020		197		
	4669		199			5823		195		B.M. 11-80
	4470		398	5		5628		392		SEE F.B. 1376-71
18	14007	4.669		6856	70	17471	5824		6851	FOR DESCRIPTION

F.B. 1377 PG. 228

85.999

108.021
~~108.042~~

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 H. F. NAUMANN Weather PART-CLOUDY Inst. No. 50010
Notes by G. E. DREIER Time 2:30 TO 3:35 Rod No. 708

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-80 To B.M. 11-78
Date 3-20-52
Indexed E. O. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6.045		196		#7	4.892		197		B.M. 11-80
	5.849		198			4.695		197		SEE F.B. 1316-W
	5.651		394			4.498		394		FOR DESCRIPTION
1	17.545	5.848		394	70°	14.085	4.695		394	
	5.748		156			5.349		156		π E. LANDA
	5.592		152			5.193		153		
	5.440		308			5.040		309		
2	16.780	5.593		702		15.582	5.194		703	
	5.798		213			5.465		213		
	5.585		212			5.252		212		
	5.373		425			5.040		425		
3	16.756	5.585		1127		15.757	5.252		1128	
	6.628		215			4.669		213		
	6.413		212			4.456		213		
	6.201		427			4.243		426		
4	19.242	6.414		1554		13.368	4.456		1554	
	6.312		132			5.548		133		
	6.180		131			5.415		132		
	6.049		263			5.283		265		
5	18.541	6.180		1817		16.246	5.416		1819	
		29.620					25.012			

F.B. 1377 PG. 229

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather PART-CLOUDY Inst. No. 50010
Notes by C. E. DREIER Time 2:30 TO 3: Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-80 To B.M. 11-78
Date 3-20-52
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
	6261	29.620	213	1.817		4558	25.012	213	1.819	
	6048		215			4345		213		
	5833		428	2		4132		426	2	
6	18.142	6047		3.245		13035	4345		3.245	
	6274		214			4698		228		
	6060		212			4.470		227		
	5848		426	71		4.243		455	0	
7	18.182	6.061		2.674		13.411	4.470		2.702	
	6.692		147			3.094		138		
	6545		146			2.961		138		
	6.396		293	4		2.823		276	6	
8	19.636	6.545		2.968		8.883	2.961		2.978	
	4.812		214			5032		211		
	4.598		216			4821		209		
	4382		430	4		4612		420	6	
9	13.792	4.597		3.398		14.465	4.822		3.398	
	6.222		214			4.638		213		
	6.008		214			4.425		215		
	5.794		428	2		4.210		428	4	
10	18.024	6.008		3.828		13.273	4.424		3.828	
	~~57.176~~					~~46.736~~				
	58.878					46.038				

F.B. 1377 PG. 230

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather PART-CLOUDY Inst. No. 50010
Notes by G.E. DREIER Time 2:30 : 3:35 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-80 To B.M. 11-78
Date 3-20-52
Indexed K. O. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6328	~~5.776~~ 5.878 ✓	230	~~3.820~~ 3.822 ✓		5128	~~4.736~~ 4.634 ✓	228	3.826 ✓	
	6098		228			4,900 ✓		228		
	5870		458 ✓			4.672		456 ✓		
11	18296 ✓	6.099 ✓		4.278 ✓		14,700 ✓	4.900 ✓		4.282 ✓	
	6.099		213			3720		210		
	5.886		211			3510		210		
	5.675		424 ✓			3.300		420 ✓		
12	17.660 ✓	5.887 ✓		4.702 ✓		10.530 ✓	3.510 ✓		4.702 ✓	
	6.020		217			5475		213		
	5.803		213			5262		211		
	5.590 ✓		430 ✓			5051 ✓		424 ✓		
13	17.413 ✓	5.804 ✓		5.138 ✓		15.788 ✓	5.263 ✓		5.128 ✓	
	5965		213			5,560		211		
	5.752		212			5349		211		
	5540		425 ✓			5138		422 ✓		
14	17.257 ✓	5.752 ✓		5.555 ✓		16.047 ✓	5.349 ✓		5.548 ✓	
	6390		210			5728		216		
	6180		208			5.512		212		
	5.972 ✓		418 ✓			5300 ✓		428 ✓		
15	18.542 ✓	6.181 ✓		5.975 ✓		16.540 ✓	5.513 ✓		5.978 ✓	
		~~86.899~~ 88.601 ✓					~~72.274~~ 70.569 ✓			

F.B. 1377 PG. 231

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather PART-CLOUDY Inst. No. 50010
Notes by G.E. DREIER Time 2:30 TO 3:35 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-80 To B.M. 11-78
Date 3-20-52
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
	6.342	~~86.877~~ 88.661	212	5.975 7		4.660	~~72.374~~ 70.569	215	5.976 4	
	6.130		215			4.445		213		SUMMATION OF RUN
	5.915		427			4.232		428		B.M. 11-80 TO B.M. 11-78
16	18.387	6.129		6.408 4		13.337	4.446		6.404 2	
	6.536		184			3.280		175		TOTAL BACKSIGHTS + 106.375
	6.352		181			3.105		174		TOTAL FORESIGHTS − 84.345
	6.171		365			2.931		349		DIFF IN ELEVATION + 22.030
17	19.059	6.353		6.767 9		9.316	3.105		6.753 1	
		101.083					78.120			
										B.M. 11-79 (U.S. 1242) SEE F.B. 1376-70 FOR DESCRIPTION
	5.337		046			6.269		044		
	5.291		044			6.225		045		B.M. 11-78
	5.247		090			6.180		089		SEE F.B. 1376-70
18	15.875	5.292		6.857 9	64°	18.674	6.225		6.848 0	FOR DESCRIPTION
		106.375					84.345			

F.B. 1377 PG. 232

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:55-10:20AM Rod No. 7E8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-80 To BM 11-83
Date 3-21-52
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
	6248		215		#7	6192		211		BM 11-80
	6033		212			5981		211		SEE F.B. 1376-7
	5821		427			5770		422		FOR DESCRIPTION
1	18102	6034		427	56°	17943	5.981		422	
	7712		212			4280		210		
	7500		212			4070		209		T.G.E. DREIER
	7288		424			3861		419		
2	22500	7.500		851		12211	4.070		841	
	7136		228			6042		234		
	6908		227			5808		235		
	6681		455			5573		469		
3	20725	6.908		1306		17423	5.808		1310	
	4415		212			6438		213		
	4203		211			6225		213		
	3992		423			6012		426		
4	12610	4.203		1729		18675	6.225		1736	
	4237		214			5532		212		
	4023		212			5320		212		
	3811		426			5108		424		
5	12071	4.024		2155		15960	5.320		2160	
		28.669					27.404			

F.B. 1377 PG. 233

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 8:55 - 10:20 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-80 To BM 11-83
Date 5-21-52
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
	5004	28.669	213	2155		6239	27.404	212	2160	
	4791		211			6027		214		
	4580		424			5813		426		
6	14375	4.792		2579		18079	6.026		2586	
	5610		211			6082		212		
	5399		211			5870		211		
	5188		422			5659		423		
7	16197	5.399		3001		17611	5.870		3009	
	5263		211			5720		213		
	5052		210			5507		214		
	4842		421			5293		427		
8	15157	5.052		3422		16520	5.507		3436	
	4763		188			6623		189		
	4575		188			6434		187		
	4387		376			6247		376		
9	13725	4.575		3798		19304	6.435		3812	
	5321		078			4007		075		
	5243		076			3932		075		
	5167		154			3857		150		
10	15731	5.244		3952		11796	3.932		3962	
		53.731					55.174			

F.B. 1377 PG. 231

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 N. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 9:55-10:20 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-80 To B.M. 11-83
Date 5-21-53
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
		53.731		3.952			55.174		3.962	B.M. 11-81 (U.S. 31) SEE F.B. 1376-72 FOR DESCRIPTION
11.	3512 3378 3241 10131	3.377	134 137 271	4223		7297 7163 7032 21492	7.164	134 131 265	4227	
12	3454 3249 3046 9749	3.250	205 203 408	4631		6348 6143 5940 18431	6.144	205 203 408	4635	
13	4919 4777 4634 14330	4.777	142 143 285	4916		6428 6286 6144 18858	6.286	142 142 284	4919	
14.	4713 4598 4480 13791	4.597	115 118 233	5149		3409 3292 3178 9879	3.293	117 114 231	5150	
		69.732					78.061			

F.B. 1377 PG. 235

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by J. SHINODA Time 8:55-10:20 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-80 To BM 11-83
Date 8-21-52
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
		69.732		5149			78.661		5150	BM 11-82 (US 312) SEE F.B 1376-73 FOR DESCRIPTION
	3526		108			5687		110		
	3418		107			5577		109		
	3311		213			5468		219		
15	10255	3.418		5364		16732	5.577		5369	
	4880		213			6219		211		
	4667		214			6008		211		
	4453		427			5797		422		
16	14000	4.667		5791		18024	6.008		5791	
	4837		213			6439		212		
	4624		212			6227		212		
	4412		425			6015		424		
17	13873	4.624		6216		18681	6.227		6215	
	4953		212			6780		211		
	4741		212			6569		210		
	4529		424			6359		421		
18	14233	4.741		6640		19708	6.569		6636	
		87.182					102.142			

F.B. 1377 PG. 226

FORM 379 SM 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by J. SHINODA Time 8:55-10:20 AM Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-80 To BM 11-83
Date 3-21-52
Indexed E. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5290	87.182	211	6.640		6725	102.442	213	6.636	
	5079		212			6512		212		
	4867		423			6300		425		
19	15236	5.079		7.063		19537	6.512		7061	
	5706		132			4530		133		
	5574		131			4397		133		
	5443		263			4264		266		
20	16723	5574		7326		13191	4397		7327	
	6397		136			4751		132		
	6261		137			4619		133		B.M 11-83
	6124		273			4486		265		SEE F.B 1376 p 74
21	18782	6261		7599	58°	13856	4619		7592	FOR DESCRIPTION
										SUMMATION ON RUN B.M 11-80 TO B.M 11-83
										TOTAL BACKSIGHTS = 104.096
										FORESIGHTS = 117.970
										DIFF. IN ELEVATION = -13.874
		104.096					117.970			

F.B. 1377 PG. 237

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN 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. 1377 PG. 238

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by J. HINODA Time 10:20 - 11:35 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4925
From BM 11-83 To BM 11-80
Date 5-21-52
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
	4760		133		#7	6406		137		BM 11-83
	4627		133			6269		136		SEE F.B. 1376-74
	4494		266			6133		273		FOR DESCRIPTION
1.	13881	4.627		266	58°	18808	6.269		273	
	4524		133			5704		133		
	4391		131			5571		131		T G.E. DREIER
	4260		264			5440		264		
2	13175	4.392		530		16715	5.572		537	
	6750		213			5312		212		
	6537		214			5100		213		
	6323		427			4887		425		
3	19610	6.537		957		15299	5.100		962	
	6815		212			4990		213		
	6603		212			4777		213		
	6391		424			4564		426		
4	19809	6.603		1381		14331	4.777		1388	
	6458		213			4855		213		
	6245		213			4642		212		
	6032		426			4430		425		
5.	18735	6.245		1807		13927	4.642		1813	
		28.404					26.360			

F.B. 1377 PG. 239

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:20-11:35 AM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-F3 To BM 11-80
Date 3-21
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
	6277	28.404	212	1.807		4936	26.360	213	1.813	
	6065		211			4723		212		
	5854		423			4511		425		
6.	18196	6.065		2.230		14170	4.723		2.238	
	5735		109			3576		108		
	5626		109			3468		108		
	5517		218			3360		216		
7.	16878	5.626		2.448		10404	3.468		2.454	
		40.095					34.551			BM 11-82 (U.S. 312) SEE F.B. 1376-75 FOR DESCRIPTION
	3620		118			4922		115		
	3502		115			4807		117		
	3387		233			4690		232		
8.	10509	3.503		2.681		14419	4.806		2.686	
	6410		141			4901		141		
	6269		141			4760		141		
	6123		282			4619		282		
9.	18807	6.269		2.963		14280	4.760		2.968	
		49.867					44.117			

F.B. 1377 PG. 220

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by J. SHINODA Time 10:20 - 11:35 AM Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-B3 To BM 11-B1
Date 3-21-52
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
	6357	49.867	206	2963		3465	44.117	205	2961	
	6151		203			3260		207		
	5948		409			3053		412		
10	18456	6.152		3372		9778	3.259		3380	
	7321		132			3540		135		
	7190		132			3406		135		
	7058		264			3270		270		
11.	21570	7.190		3636		10215	3.405		3650	
		63.209					50.781			BM 11-81 (US 31) SEE F.B. 1376-22 FOR DESCRIPTION
	4012		075			5328		077		
	3937		076			5251		076		
	3861		151			5175		153		
12.	11810	3.937		3787		15754	5.251		3903	
	6670		190			4808		190		
	6480		190			4618		190		
	6290		380			4428		380		
13.	19440	6.480		4167		13854	4.618		4183	
		73.626					60.650			

F.B. 4377 PG. 24

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. JHINODA Time 10:20 - 11:35 AM Rod No. 7E8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-83 To B.M. 11-80
Date 3-21-52
Indexed A. C. Johnson

F.B. 1377 PG. 22 2

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5703	73.626	211	4.167		5253	60.650	211	4193	
	5492		210			5042		211		
	5282		421			4831		422		
14	16477	5.492		4588		15126	5.042		4605	
	6080		212			5604		212		
	5868		210			5392		212		
	5658		422			5180		424		
15.	17606	5.869		5010		16176	5.392		5029	
	6301		218			5059		207		
	6083		216			4852		205		
	5867		434			4647		412		
16	18251	6.084		5444		14558	4.853		5441	
	5568		212			4268		212		
	5356		211			4056		211		
	5145		423			3846		423		
17.	16069	5356		5867		12169	4.056		5864	
	6379		214			4359		212		
	6165		214			4147		212		
	5951		428			3935		424		
18.	18495	6.165		6295		12441	4.147		6288	
		102.592					84.140			

FORM 379 REV 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 10:20-11:35 AM Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-80 To BM 11-80
Date 3-21-52
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
	6046	102.592	235	6.295		7140	94.140	228	6.288	
	5811		233			6912		225		
	5578		468			6687		453		
19	17435	5.812		6763		20739	6.913		6741	
	4297		206			7737		217		
	4091		208			7520		217		
	3883		414			7303		434		
20	12271	4.090		7.177		22560	7.520		7.175	
	6189		211			6243		213		
	5978		210			6030		213		
	5768		421			5817		426		
21	17935	5.978		7598	64°	18090	6.030		7601	
										BM 11-80
										SEE F.B. 1376, 71
										FOR DESCRIPTION
										SUMMATION OF RUN
										BM 11-80 TO BM 11-80
										TOTAL BACKSIGHTS = 118.472
										" FORESIGHTS = 104.603
										DIFF. IN ELEVATION = +13.869
		118.472					104.603			

F.B. 1377 PG. 243

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN 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. 1377 PG. 244

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 1:00 TO 1:50 P.M. Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-23 To B.M. 11-84
Date 3-21-52
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
	3312		214		#7	7.663		210		
	3098		214			7.453		211		B.M. 11-83
	2.884		428			7242		421		SEE 1376-74
1	9.294	3.098		428	60°	22.358	7.453		421	FOR DESCRIPTION
	3775		220			5.882		222		
	3555		220			5.660		220		TE. LANDA
	3335		440			5440		442		
2	10.665	3.555		868		16.982	5.661		863	
	4881		221			6766		220		
	4660		220			6546		218		
	4440		441			6328		438		
3	13.981	4.660		1.309		19.640	6.547		1.301	
	4485		212			6340		215		
	4273		211			6125		211		
	4062		423			5914		426		
4	12.820	4.273		1.732		18.379	6.126		1.727	
	4868		190			6009		155		
	4678		192			5854		155		
	4486		382			5699		310		
5	14.032	4.677		2.114		17562	5.854		2.037	
		20.763					31.641			

F.B. 1377 PG. 245

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by C. E. DREIER Time 1:00 TO 1:50 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-83 To B.M. 11-84
Date 3-21-52
Indexed A. C. Johnson

F.B. 1377 PG. 246

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4945	20.263	204	2.114		6.740	31.641	220	2.037	
	4.741		202			6.520		221		
	4.539		406			6.299		441		
6	14.225	4.742		2.520		19.559	6.520		2.478	
	4.714		206			6.640		220		
	4.508		203			6.420		220		
	4.305		409			6.200		440		
7	13.527	4.509		2.929		19.260	6.420		2.918	
	4.698		215			6.572		212		
	4.483		213			6.360		210		
	4.270		428			6.150		422		
8	13.451	4.484		3.357		19.082	6.361		3.340	
	4.573		213			6.638		212		
	4.360		216			6.426		209		
	4.144		429			6.217		421		
9	13.077	4.359		3.786		19.281	6.427		3.761	
	4.578		210			6.592		218		
	4.368		206			6.374		216		
	4.162		416			6.158		434		
10	13.108	4.369		4.202		19.124	6.375		4.195	
	~~47.110~~					~~70.445~~				
	42.726					63.744				

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 1:00 : 1:50 P.M. Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-83 To B.M. 11-84
Date 3-21-52
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
	4.642	~~4.748~~	211	4202 ✓		6.289	~~6.165~~	217	4.195 ✓	
	4.431	4.726 ✓	209			6.072	6.744 ✓	214		
	4.222		420 ✓			5.858		431 ✓		
11	13.295 ✓	4.432 ✓		4622 ✓		18.219 ✓	6.073 ✓		4.626 ✓	
	5.102		157			5.892		158		
	4.945		157			5.734		157		
	4.788 ✓		314 ✓			5.577 ✓		315 ✓		
12	14.835 ✓	4.945 ✓		4936 ✓		17.203 ✓	5.734 ✓		4.941 ✓	
	4.527		167			7.168		168		
	4.360		164			7.000		170		BM. 11-84
	4.196 ✓		331 ✓			6.830 ✓		338 ✓		SEE F.B. 1376 PG 75
13	13.083 ✓	4.361 ✓		5.267 ✓	64°	20.998 ✓	6.999 ✓		5.279 ✓	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M 11-83 TO B.M 11-84
										TOTAL BACKSIGHTS + 56.464 ✓
										TOTAL FORESIGHTS - 82.550 ✓
										DIFF IN ELEVATION - 26.086 ✓
		~~64.848~~ 56.464 ✓					~~88.915~~ 82.550 ✓			

F.B. 1377 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 H. F. NAUMANN 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. 137 PG. 24.8

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 1:50 TO 2:50 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-84 To B.M. 11-83
Date 3-21-52
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
	7159		170			4512		164		B.M. 11-84
	6.988		169			4.348		166		SEE F.B. 1376-25
	6820		339			4182		330		FOR DESCRIPTION
1	20968	6.989		339		13.042	4.347		330	
	5845		156			5060		158		T. E. LANDA
	5689		157			4.902		156		
	5532		313			4.746		314		
2	17.066	5.689		652		14.708	4.903		644	
	6249		214			4.606		212		
	6035		213			4.394		211		
	5822		427			4.183		423		
3	18.106	6.035		1.079		13.183	4.394		1067	
	6.664		213			4.661		213		
	6.451		213			4.448		210		
	6.238		426			4.238		423		
4	19.353	6.451		1.505		13.347	4.449		1.490	
	6689		209			4.623		215		
	6480		212			4.408		213		
	6268		421			4.195		428		
5	19.437	6.479		1.926		13.226	4.409		1.918	
		31.643					22.502			

F.B. 1377 PG. 219

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by C.E. DREIER Time 1:50 TO 2:50 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-84 To B.M. 11-83
Date 3-21-52
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
	6540	31.643	212	1926		4670	22.502	213	1918	
	6328		209			4457		214		
	6.119		421			4243		427		
6	18987	6329		2347		13370	4457		2345	
	6618		216			4707		215		
	6402		212			4492		212		
	6190		428			4280		427		
7	19210	6403		2775		13479	4493		2772	
	6613		219			4843		219		
	6394		219			4624		219		
	6175		438			4405		438		
8	19182	6384		3213		13872	4624		3210	
	5944		174			4775		186		
	5770		170			4589		186		
	5600		344			4403		372		
9	17314	5771		3557		13767	4589		3582	
	6355		213			4503		214		
	6142		212			4289		211		
	5930		425			4078		425		
10	18427	6142		3982		12870	4290		4007	
	~~62.672~~					44955				
	62.682									

F.B. 137 PG. 250

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. HAUMANN Weather CLEAR Inst. No. 50010
Notes by C.E.DREIER Time 1:50 TO 2:50 Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From B.M. 11-84 To B.M. 11-83
Date 3-21-52
Indexed S. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6730	~~62.672~~ 62.682	225	3.982		4.840	4.955	217	4.007	
	6.505		224			4.623		214		
	6.281		449			4.409		431		
11	19.516	6.505		4.431		13.872	4.624		4.438	
	6.843		220			4.739		220		
	6.623		221			4.519		219		
	6.402		441			4.300		439		
12	19.868	6.623		4.872		13.558	4.519		4.877	
	7.638		215			3.280		213		
	7.423		213			3.067		212		
	7.210		428			2.855		425		
13	22.271	7.424		5.300	65°	9.202	3.067		5.302	B.M. 11-83 SEE F.B. 1376-74 FOR DESCRIPTION
										SUMMATION OF RUN B.M. 11-84 TO B.M. 11-83
										TOTAL BACKSIGHTS +83.234
										TOTAL FORESIGHTS -57.165
										DIFF. IN ELEVATION +26.069
		~~89.220~~ 83.234					57.165			

F.B. 1377 PG. 251

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN 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. 1372 PG. 252

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:15-3:00 PM Rod No. 748

Name L. A. CO. PRECISE LEVEL NET
Job No. 4925
From BM 11-F4 To BM 11-83
Date 3-24
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
	7150		167		#7	4507		169		B.M. 11-84
	6983		164			4338		166		SEE F.B. 1376 PG. 75
	6819		331			4172		335		FOR DESCRIPTION
1	20952	6.984		331	70°	13017	4.339		.335	
	5877		157			5089		158		T.G.E. DREIER
	5720		157			4931		154		
	5563		314			4777		312		
2	17160	5.720		.645		14797	4.932		.647	
	6262		212			4621		213		
	6050		212			4408		212		
	5838		424			4196		425		
3	18150	6.050		1.069		13225	4.408		1.072	
	6652		213			4643		210		
	6439		215			4433		211		
	6224		428			4222		421		
4	19315	6.438		1.497		13298	4.433		1.493	
	6656		213			4584		213		
	6443		212			4371		211		
	6231		425			4160		424		
5	19330	6.443		1.922		13115	4.372		1.917	
		31.635					22.484			

F.B. 1377 PG. 253

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 5001.0
Notes by S. SHINODA Time 2:15 - 3:00 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4925
From BM 11-84 To BM 11-83
Date 9-24-52
Indexed K. C. Johnson

F.B. 1377 PG. 254

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6580	31.635	211	1922		4707	22.184	214	1.917	
	6369		211			4493		213		
	6158		422			4280		427		
6	19107	6.369		2344		13480	4.493		2344	
	6591		214			4674		212		
	6377		215			4462		210		
	6162		429			4252		422		
7	19130	6.377		2773		13388	4.463		2766	
	6598		218			4822		220		
	6380		220			4602		217		
	6160		438			4385		437		
8	19138	6.379		3211		13809	4.603		3203	
	5999		172			4828		184		
	5827		174			4644		183		
	5653		346			4461		367		
9	17479	5.826		3557		13933	4.644		3570	
	5622		211			3767		215		
	5411		211			3552		212		
	5200		422			3340		427		
10	16233	5.411		3979		10659	3.553		3997	
		61.997					44.240			

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 2:15-5:00 PM Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-84 To BM 11-83
Date 3-24-52
Indexed A. O. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6700	61.997	222	3.979		4808	44.240	216	3.997	
	6478		222			4592		216		
	6256		444			4376		432		
11	19434	6.478		4423		13776	4.592		4429	
	6561		220			4455		219		
	6341		219			4237		220		
	6122		439			4017		439		
12	19024	6.341		4862		12710	4.237		4868	
	7682		213			3323		211		
	7469		215			3112		210		B.M 11-83
	7254		428			2902		421		SEE F.B. 1370-71
13.	22405	7.468		5290	70°	9337	3.112		5289	FOR DESCRIPTION
										SUMMATION OF R/W
										B.M 11-84 TO B.M 11-83
										TOTAL BACKSIGHTS +82.284
										" FORESIGHTS -56.181
										DIFF. IN ELEVATION +26.103
		82.284					56.181			

F.B. 1377 PG. 255

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN 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 Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS

F.B. 1377 PG. 256

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by J. SHINODA Time 3:05-3:30 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-83 To BM 11-84
Date 3-24-5-
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	3268		211		#7	7623		212		BM 11-83
	3057		211			7411		212		SEE F.B. 1376-74
	2846		422			7199		424		FOR DESCRIPTION
1.	9171	3.057		.422	70°	22233	7.411		.424	
	4462		220			6571		219		T. G.E. DREHER
	4242		219			6352		219		
	4023		439			6133		438		
2	12727	4.242		.861		19056	6.352		.862	
	4751		221			6632		220		
	4530		217			6412		219		
	4313		438			6193		439		
3	13594	4.531		1.299		19237	6.412		1.301	
	4285		213			6140		213		
	4072		212			5927		214		
	3860		425			5713		427		
4	12217	4.072		1.724		17780	5.927		1.728	
	4802		183			5969		172		
	4619		186			5797		173		
	4433		369			5624		345		
5	13854	4.618		2.093		17390	5.797		2.073	
		20.520					31.999			

F.B. 1377 PG. 257

FORM 379 5M 7-40

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
700 HALL OF RECORDS

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

DO NOT EXTEND NOTES THIS SIDE OF THIS LINE

Chief of Party H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by J. SHINODA Time 3:05 - 3:30 P.M. Rod No. 7 & 8

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-83 To BM 11-84
Date 3-24-51
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
	4893	20.520	211	2.093		6680	31.899	219	2.073	
	4682		211			6461		219		
	4471		422			6242		438		
6	14046	4683 (2)		2515		19383	6461		2511	
	4720		212			6631		212		
	4508		212			6419		213		
	4296		424			6206		425		
7	13524	4501		1939	70°	19256	6419		1936	STOPPED 3:30 P.M. 3-24-52
	4732		212			6611		212		
	4520		211			6399		211		
	4309		423			6188		423		
8	13561	4520		3362	66°	19198	6399		3359	BEGAN 8:25 AM 3-25-52
	4595		213			6661		211		
	4382		212			6450		211		
	4170		425			6239		422		
9	13147	4382		3787		19350	6450		3781	
	4640		211			6651		214		
	4429		211			6437		215		
	4218		422			6222		429		
10	13287	4429		4209		19310	6437		4210	
		43042					64065			

F.B. 1377 PG. 258

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 H. F. NAUMANN Weather CLEAR Inst. No. 50010
Notes by S. SHINODA Time 7:25-8:45 AM Rod No. 788

Name L. A. CO. PRECISE LEVEL NET
Job No. 4923
From BM 11-83 To BM 11-84
Date 3-25-52
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
	4639	43.042	211	4.209		6279	64.065	212	4.210	
	4428		211			6067		213		
	4217		422			5854		425		
11	13284	44.28		4.63		18200	60.67		4.635	
	5078		157			5870		158		
	4921		155			5712		156		
	4766		312			5556		314		
12	14765	4.922		4.943		17138	5.713		4.949	
	4562		170			7197		166		
	4392		170			7031		163		B.M. 11-84
	4221		340			6868		329		SEE F.B. 1370-75
13	13176	4.392		5.283	68°	21096	7.032		5.278	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 11-83 TO B.M. 11-84
										TOTAL BACKSIGHTS +56.784
										" FORESIGHTS -52.877
										DIFF. IN ELEVATION +3.907
		56.784					52.877			

F.B. 1377 PG. 259

FORM 379 5M 7-40

PLEASE [illegible]
LOS ANGELES [illegible]
700 HA[illegible]

[illegible]ES ON THIS
[illegible] CIRCLED
[illegible]ND NAME
[illegible]E.

1377

Chief of Party H. F. NAUMANN Weat[illegible] No.
Notes by Time Ro[illegible] No.

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

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	S[illegible] of In[illegible]ls	B[illegible] R[illegible] and Temp.	FORE[illegible]GHT Th[illegible] R[illegible]gs	M[illegible]	Thread Intervals	S[illegible]als	DESCRIPTION AND REMARKS

F.B. 1377 PG. 260