Notes Ck'd by	Survey L.A. CO. PRECISE LEVEL NET
Map No.	W. O. Tape No. Sta. of
Office Work	Surveyed by G. E. DREIER
Checked	Notes G. E. DREIER
Date	Indexed

L.A. Co. PRECISE LEVEL NET

JOB NO. 0301.02

LINE No. 47

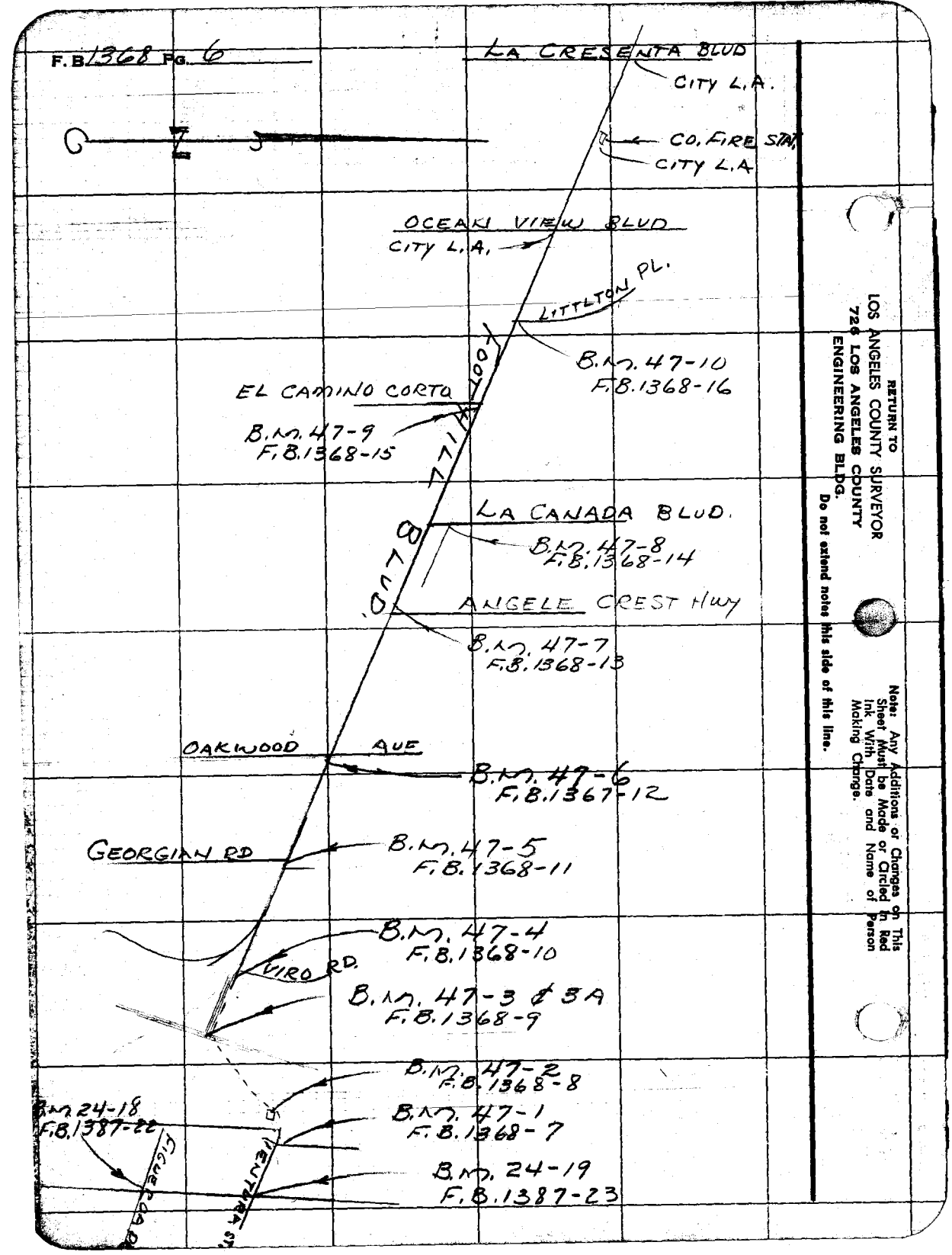
VENTURA ST, FROM LINCOLN AVE TO ARROYO SECO, AND MICHIGAN AVE AND FOOTHILL BLVD. FROM ARROYO SECO TO LA CRESENTA

DREIER, G.
LANDA, E.
SONNENSCHEIN
RODRIGUEZ, A.
DALE, WM

SEE PAGE 105 FOR 1966 RERUN
SEE F.B. 3713 211 TO 282 FOR ADDITIONAL DESC.

SEE PAGES 135 TO 200 FOR 1971 RELEVELING
SEE F.B. 3713 - 211 TO 236 FOR ADDITIONAL DESC.

F.B. 1368 Pg. 6



RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY
ENGINEERING BLDG.
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Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	L.A. CO. PRECISE LEVEL NET
Map No.	W. O. 030102 Tape No. St'd. °F
Office Work	Surveyed by G. E. DREIER
Checked	Notes G. E. DREIER Date 3-29-55
Date	Indexed A. C. Johnson

F. B. [illegible] Pg. 7

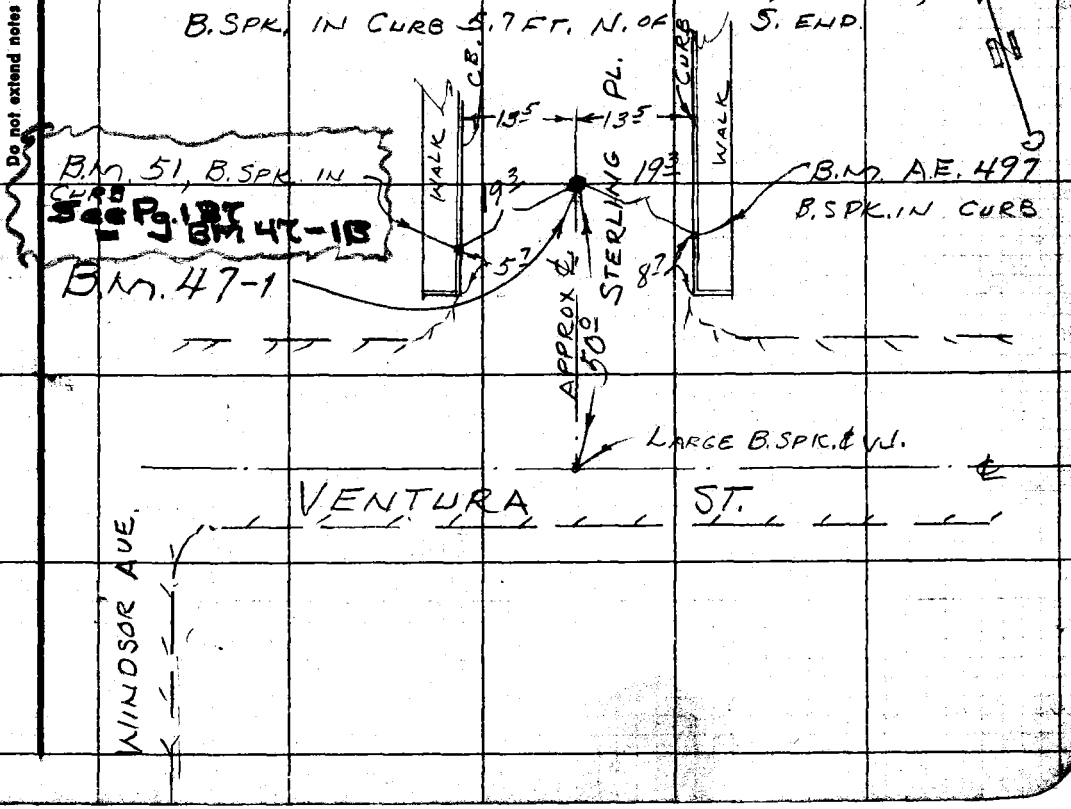
B.M. 47-1

VENTURA ST AND STERLING PLACE, 50.0 FT. N.E'LY FROM ℄ INTERSECTION, A STANDARD COUNTY SURVEYOR MON. STAMPED "B.M 47-1 1955 RE. 63" SET IN CONCRETE 9 INCHES BELOW THE SURFACE AND PROTECTED BY A CAST IRON COVER LETTERED "COUNTY SURVEYOR MONUMENT"

Lost due to S.D. Const.
Apr. 77 HH Spriggs

B.M. AE 497.
VENTURA ST. AND STERLING PL., N.E. COR., B.SPK IN CURB 8.7 FT N'LY FROM S. END.

B.M. 51
VENTURA ST. AND STERLING PL., N.W. COR., B.SPK. IN CURB 5.7 FT. N. OF S. END.



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

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RETURN TO
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76F3095 247 4-53

F.B. 1368 PG. 8

B.M. 47-2

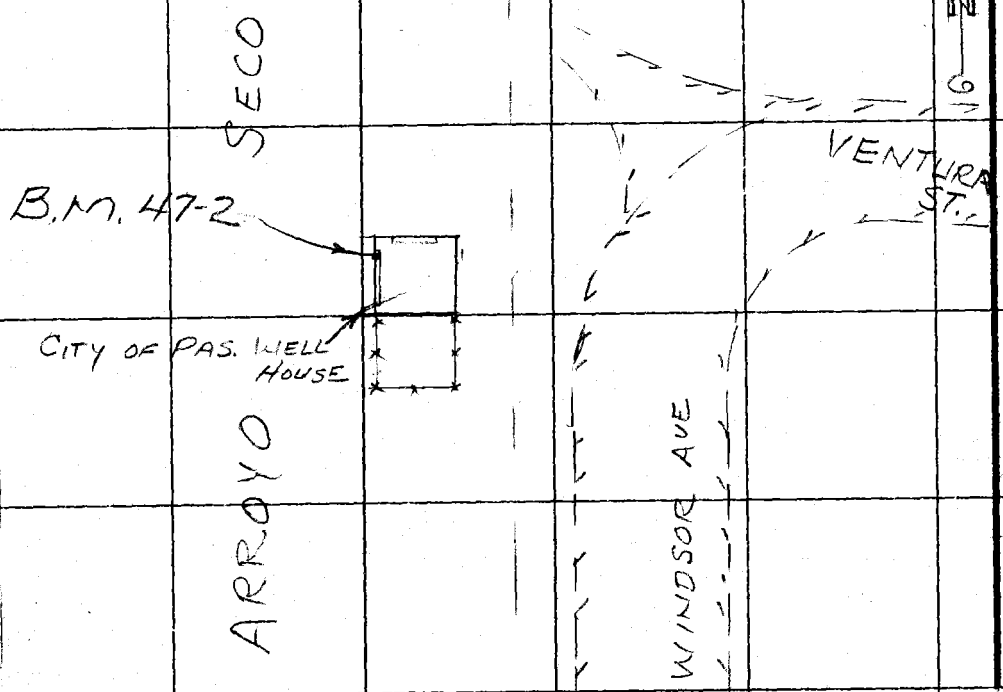
IN ARROYO SECO WASH, E. SIDE, WEST OF WINDSOR AVE AND SOUTH OF VENTURA ST. IN WEST DOORWAY OF CITY OF PASADENA WELL HOUSE, A NAIL IN LEAD PAINTED "B.M. A"

3-5-71 G.E.D.

NOTE:- DOOR CONSTRUCTION MAKE IT IMPOSSIBLE TO PLUMB ROD.

Fd, as above Apr 72 HH Spriggs

Set BM 47- E, 47- D, See FB 4133-11, 13,



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Notes Ck'd by	Survey of L.A. CO. PRECISE LEVEL NET
Map No.	W. O. 230102 Tape No. St'd. °F
Office Work	Surveyed by G. E. DREIER
Checked	Noted G. E. DREIER Date 3-29-55
Date	Indexed J. C. Johnson

F. B. 1368 PG. 9

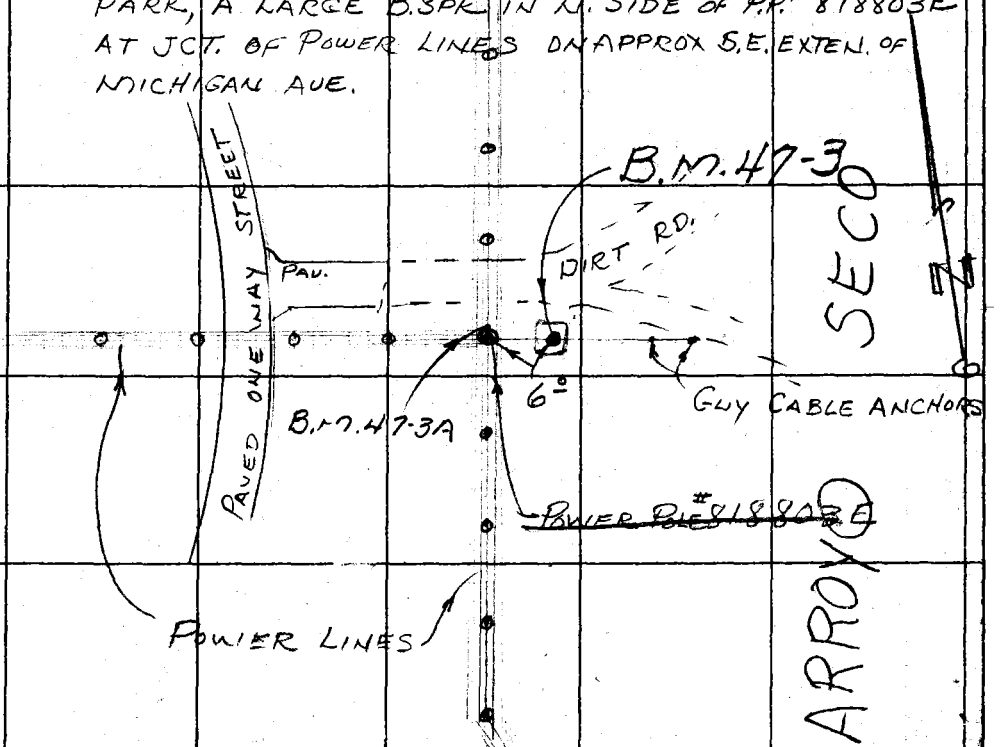
B.M. 47-3

ON WEST SIDE OF ARROYO SECO, ON EAST SIDE OF OAK GROVE PARK, ON APPROXIMATE SOUTH EASTERLY EXTENSION OF MICHIGAN AVE, 6.0 FEET EAST OF POWER POLE # 818803E AT JUNCTION OF POWER LINES A STANDARD COUNTY SURVEYOR BRASS CAP STAMPED "B.M. 47-3 1955 R.E. 63' SET IN THE TOP OF A 10 INCH SQUARE CONCRETE POST, 0.3 FEET ABOVE GROUND

Fd. May 77, Ok. P. Beasley

B.M. 47-3A

W. SIDE ARROYO SECO, E. SIDE OF OAK GROVE PARK, A LARGE B.SPK. IN N. SIDE OF P.P.# 818803E AT JCT. OF POWER LINES ON APPROX S.E. EXTEN. OF MICHIGAN AVE.



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RETURN TO
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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

78F3098 247 4-53

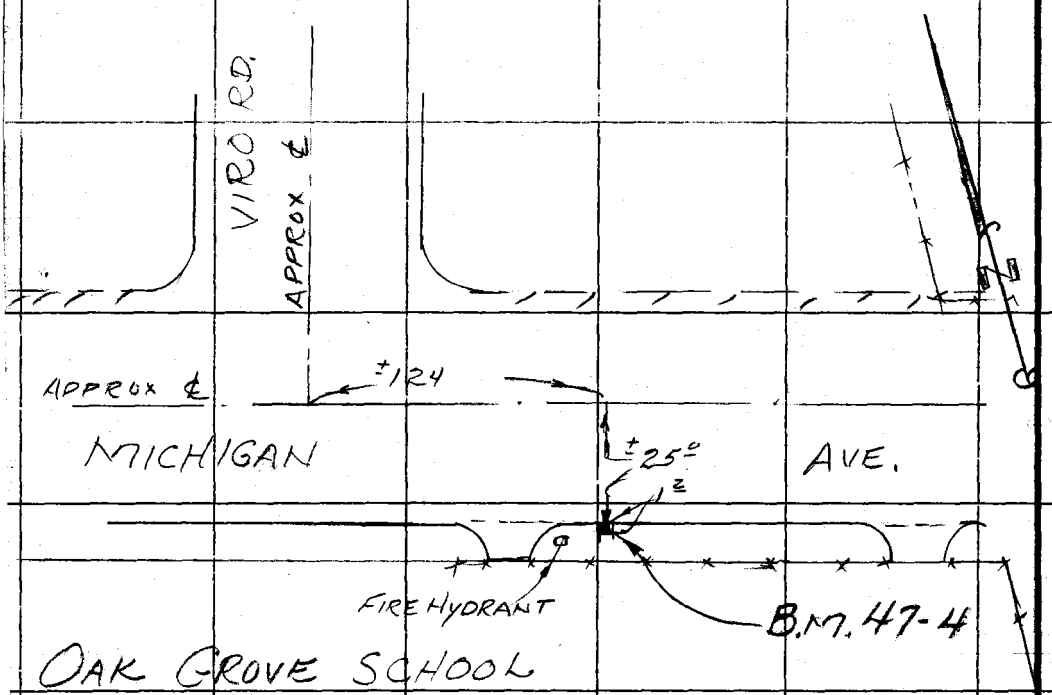
F. B. 1368 Pg. 10

B.M. 47-4

MICHIGAN AVE. AND VIRO RD, ABOUT 124 FT. S.E. OF AND ABOUT 25 FT. S.W. OF ℄ INTERSECTION, IN FRONT OF OAK GROVE SCHOOL, 1.2 FT. BACK OF CURB, A STANDARD CO. SURVEYOR MON. STAMPED "B.M. 47-4 1955 R.E.63" SET IN A 12"x12" CONCRETE POST FLUSH WITH THE TOP OF CURB.

Ed. Apr. 1977 OK HHS

SEE F.B.



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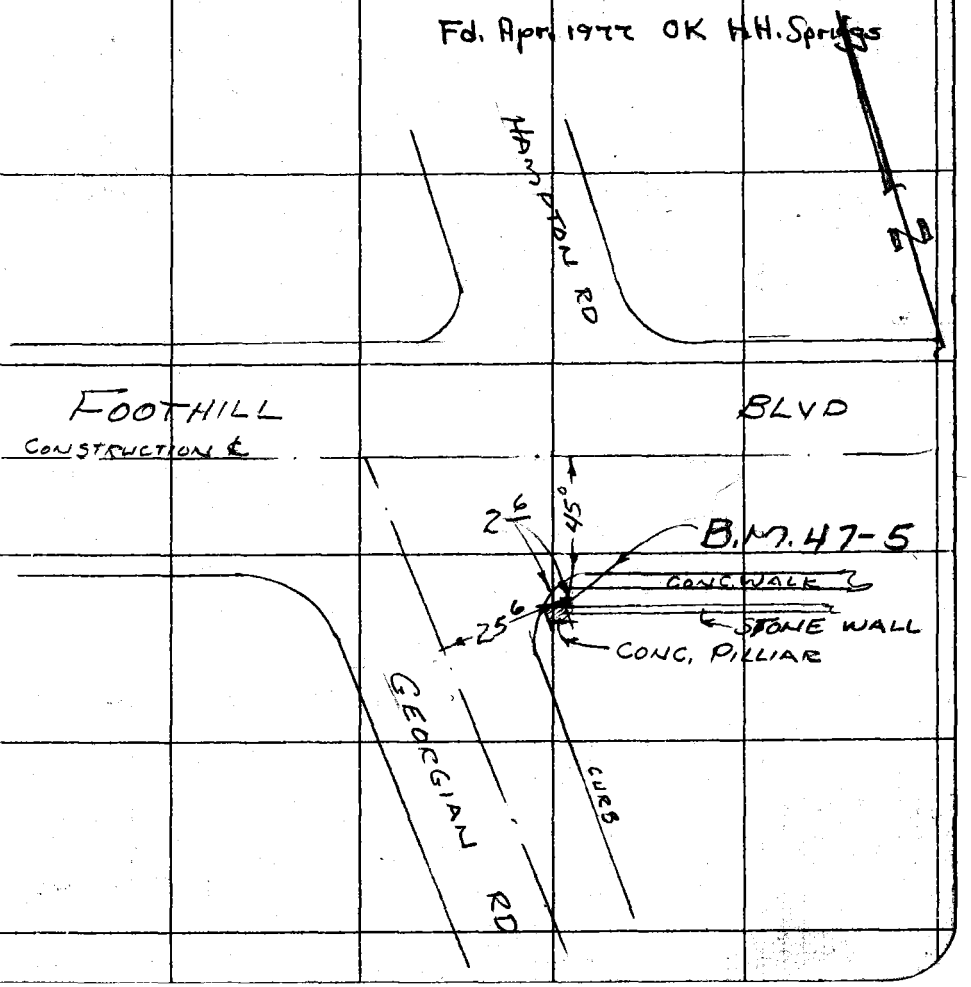
Notes Ck'd by	Survey for L.A. CO. PRECISE LEVEL NET
Map No.	W. O. 8301.02 Tape No. St'd. °F
Office Work	Surveyed by G. E. DREIER
Checked	Notes G. E. DREIER Date 3-31-53
Date	Indexed E. C. Johnson

F. B. 1368 Pg. 11

B.M. 47-5

FOOTHILL BLVD. AND GEORGIAN RD, S.E. COR., 45 FT S.W. AND 25.6 FT. E. OF APPROX STREET ℄'S, AT N.E. COR OF A LARGE CONCRETE PILLAR, 2.6 FT. BACK OF CURB, A COUNTY SURVEYOR MON. STAMPED "FORESTRY DEPT." 14 INCHES BELOW THE SURFACE AND PROTECTED BY A CAST IRON COVER LETTERED "COUNTY SURVEYOR MONUMENT"

Fd. Apr. 1972 OK H.H. Springs



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RETURN TO
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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

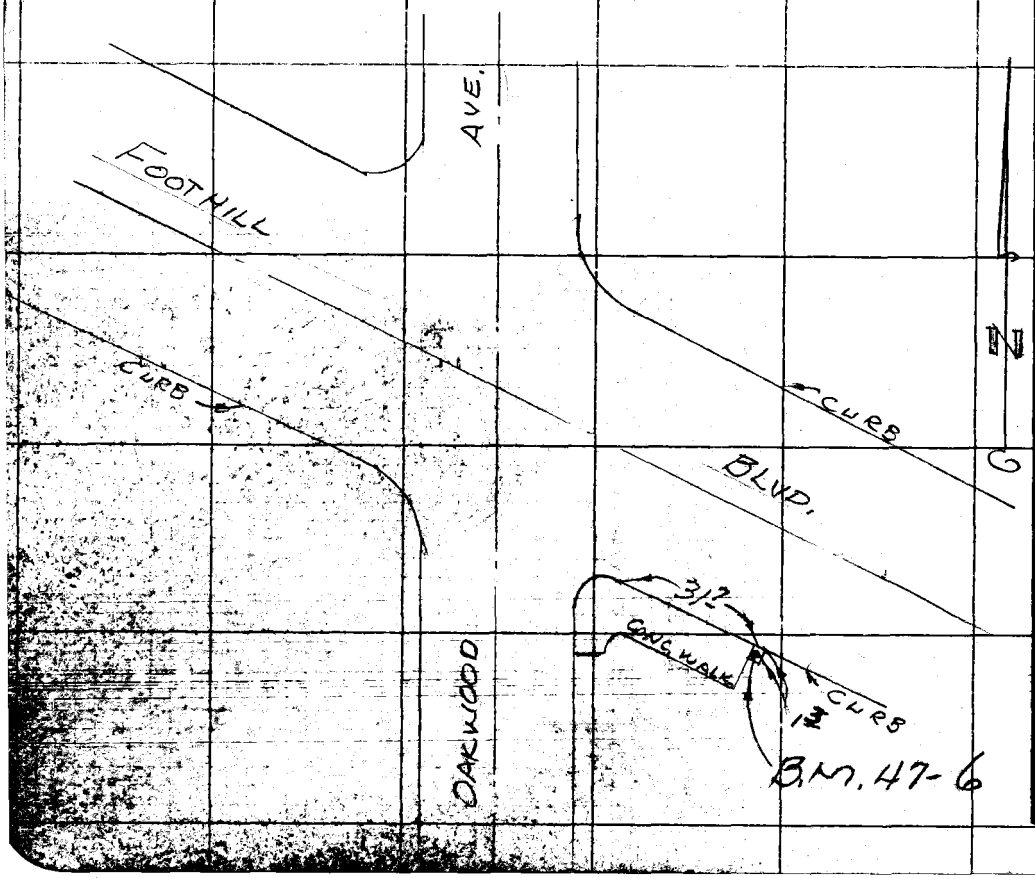
76F3088 247 4-58

F.B. 1368 PG. 12

B.M. 47-6

FOOTHILL BLVD. AND OAKWOOD AVE., S.E. COR, 31.7 FT. E. OF E. END OF CURB RETURN, 1.3 FT BACK OF CURB, A STANDARD CO. SURVEYOR MON. STAMPED "B.M. 47-6 1955 R.E. 63" SET IN CONCRETE 9 INCHES BELOW THE SURFACE AND PROTECTED BY A CAST IRON COVER LETTERED "COUNTY SURVEYOR MONUMENT."

Fd. OK Apr 1977 HH Spriggs



RETURN TO
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Notes Ck'd by	Survey of A. C. PRECISE LEVEL NET
Map No.	W. O. 0301.02 Tape No. St'd. °F
Office Work	Surveyed by G. E. DREIER
Checked	Notes G. E. DREIER Date 3-31-55
Date	Indexed C. Johnson

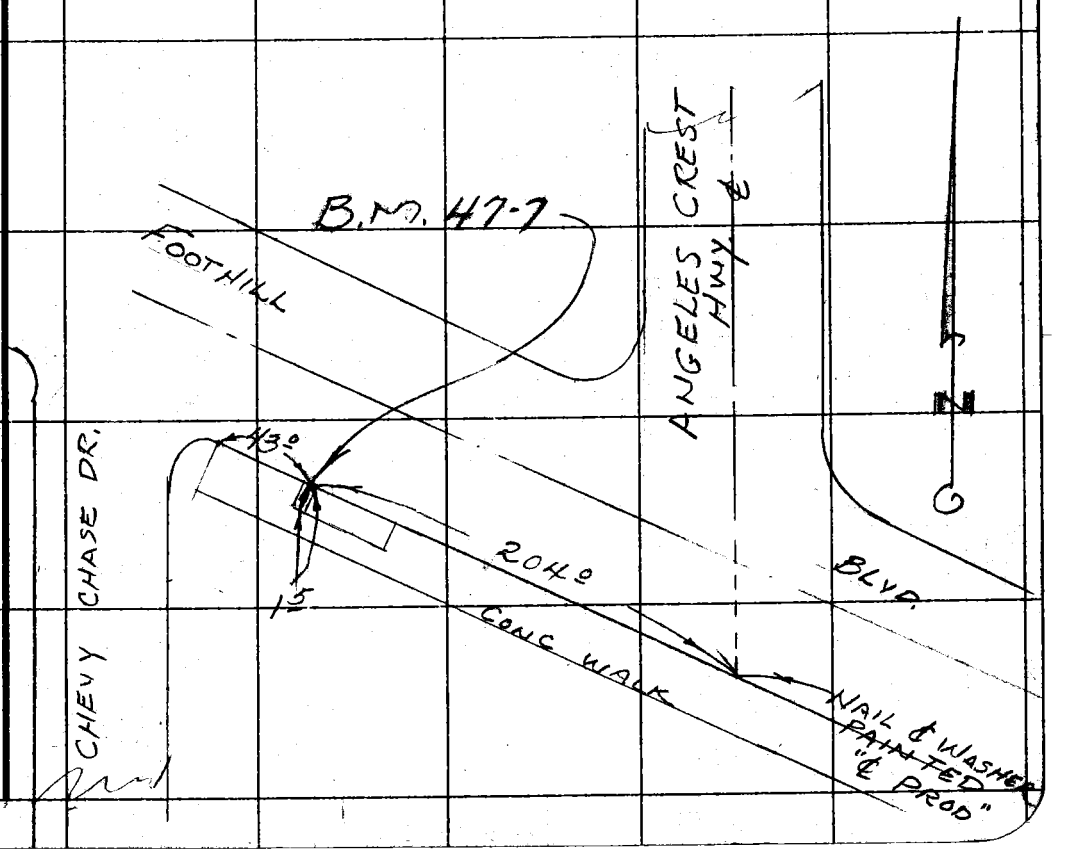
F.B. 1368 PG. 13

B.M. 47-7

FOOTHILL BLVD. AND ANGELES CREST HWY, S. SIDE, 204 FT. N.W. FROM ANGELES CREST ℄ PROD., 1.5 FT. BACK OF CURB, A STANDARD CO. SURVEYOR MONUMENT STAMPED "B.M. 47-7 1955 R.E. 63." SET IN CONCRETE 10 INCHES BELOW THE SURFACE AND PROTECTED BY A CAST IRON COVER LETTERED "COUNTY SURVEYOR MONUMENT"

6-22-66 G.E.D. NOT RECOVERED PROBABLY DESTROYED BY DRIVEWAY CONSTRUCTION

47-7A - SEE FB 3713-225



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RETURN TO
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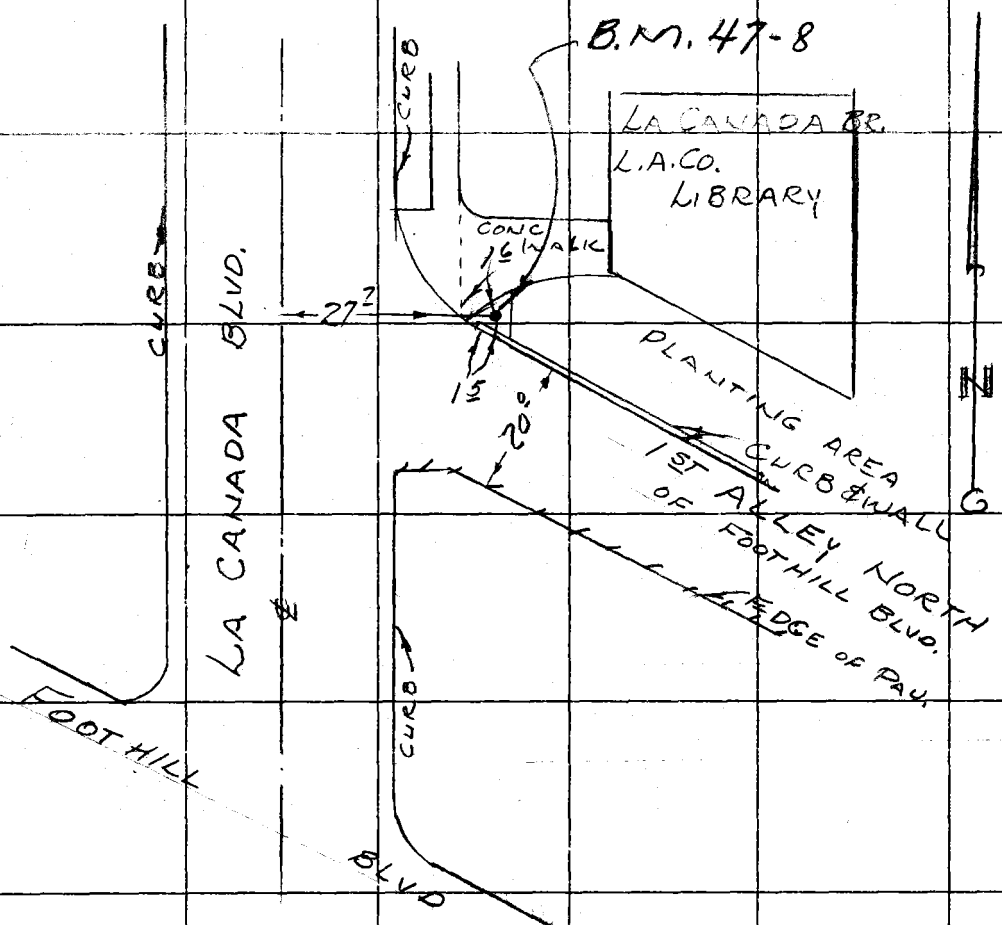
726 LOS ANGELES COUNTY
ENGINEERING BLDG.

76F3098 247 4-53

F. B. 1368 PG. 14

B.M. 47-8

LA CANADA BLVD. AND FIRT (FIRST ?) ALLEY NORTH OF FOOTHILL BLVD, N.E. COR, 27.7 FT. EAST OF THE CENTER OF LA CANADA BLVD, 1.5 FT. N.E. OF N'LY CURB OF ALLEY IN CORNER FORMED BY ALLEY CURB AND CONCRETE WALK TO LA CANADA BRANCH OF L.A. CO. LIBRARY, A STANDARD CO. SURVEYOR MON. STAMPED "B.M. 47-8 1955 RE. 63" SET IN CONCRETE FLUSH WITH THE TOP OF THE CURB.



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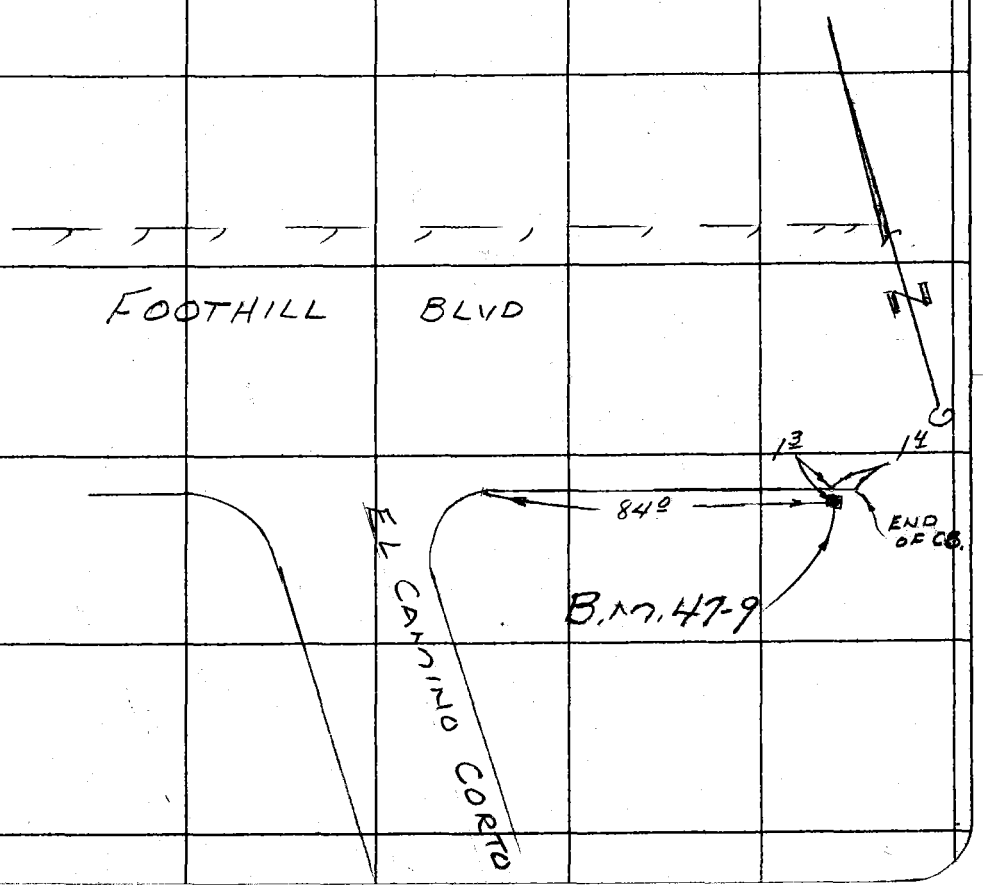
Notes Ck'd by	Survey of L.A. CO. PRECISE LEVEL NET
Map No.	W. O. 030102 Tape No. Sl'd °F
Office Work	Surveyed by G. E. DREIER
Checked	Notes G. E. DREIER Date 3-30-55
Date	Indexed J. C. Johnson

F. B. 1368 PG. 15

B.M. 47-9

FOOTHILL BLVD. AND EL CAMINO CORTO, S.E. COR., 84.0 FT. S.E. OF E. END OF CURB RETURN, 1.3 BACK OF CURB, A STANDARD COUNTY SURVEYOR MON. STAMPED "B.M. 47-9 1955 R.E. 63" SET IN A 12" X 12" CONCRETE POST FLUSH WITH THE TOP OF THE CURB.



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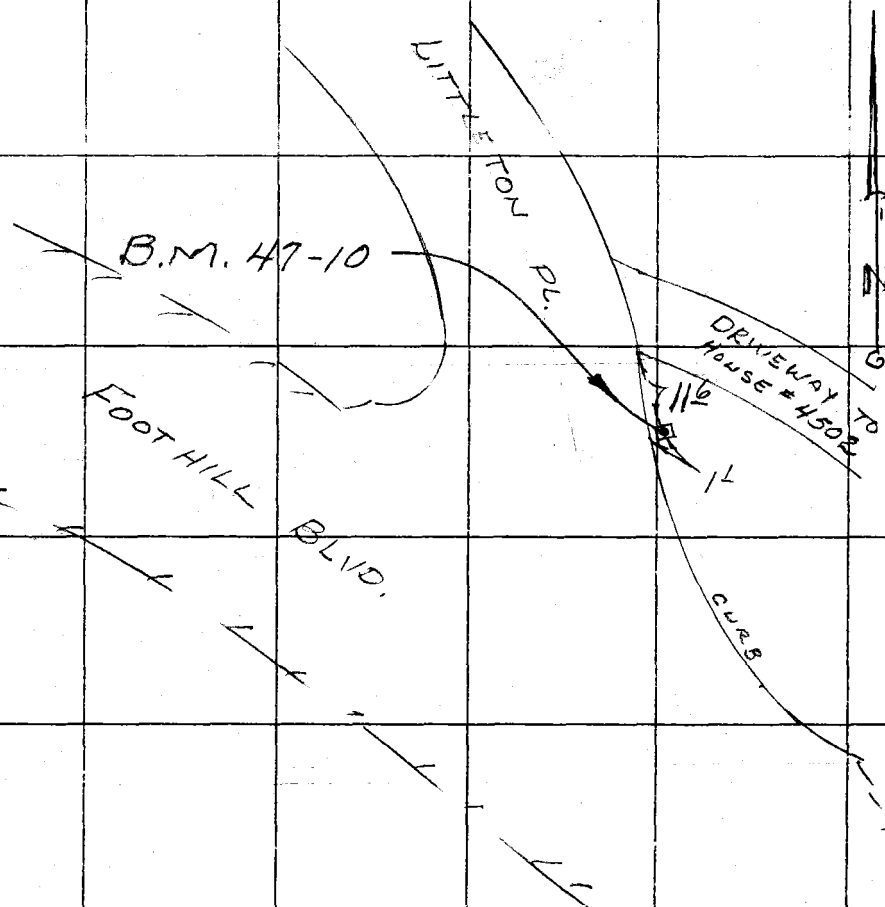
76F2088 247 4-53

F. B. 1368 PG. 16

B.M. 47-10

FOOTHILL BLVD AND LITTLETON PLACE, N.E. COR., 11.6 FEET SOUTHERLY FROM NORTH END OF CURB RETURN, 1.1 FEET BACK OF CURB A STANDARD CO. SURVEYOR MON. STAMPED "B.M. 47-10 1955 R.E.63" SET IN A 12" CONCRETE POST FLUSH WITH THE TOP OF THE CURB

Fd. OK Apr. 1977 HHSpriggs



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Notes Ck'd by	Survey	F. B. 1368 Pg. 17
Map No.	JN 030102 Tape Std °F	
Office Work	Surveyed by A.C. GUIZADO	
Checked	Notes ACG Date 8/25/60	
Date	Indexed 1 4 60 H. E. Ott	

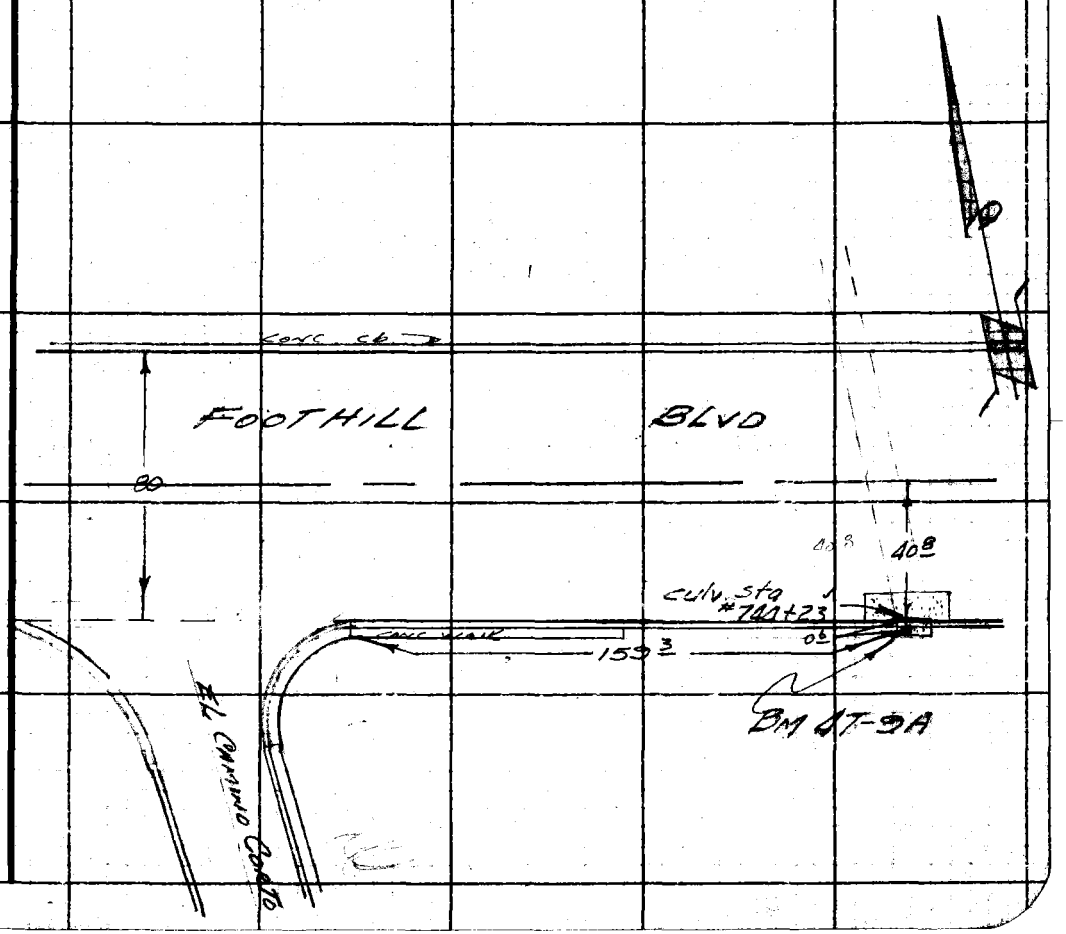
C. A. CO. PRECISE LEVEL NET

BM 47-9A

FOOTHILL BLVD & EL CAMINO CORTO SE COR, SET A Lg. BT SPK in CONCRETE HEADWALL SO. SIDE OF STREET, STA MK'D #744+23 — 40.8 SO. OF ℄ OF FOOTHILL BLVD & 159.3 E. OF E END CURB RETURN OF EL. CAMINO CORTO & 0.6 S. OF FACE OF SO CURB. OF FOOTHILL BLVD.

Fd. OK Apr. 77 H H Spriggs

6-22-66 G.E.D.



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76F3095 S&E #247 11-58

F. B. 1368 PG 18

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76P526 S & E #379 1-54

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Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 8:40 TO 9:20 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 24-18 To B.M. 24-19
Date 3-25-55
Index C. Johnson 4-7-55

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	8.207		123		#11	2.662		124		B.M. 24-18 (ALTADENA E-2)
	8.084		121			2.538		124		LINCOLN AVE & FIGUEROA DR
	7.963		244			2.414		248		SEE F.B. 1387-22
1	24.254	8.085		.244	58°	7.614	2.538		.248	FOR DESCRIPTION
	9.919		193			1.141		189		
	9.726		192			0.952		187		
	9.534		385			0.765		376		⊼ E. LANDA
2	29.179	9.726		.629		2.858	0.953		.624	
	9.832		182			0.837		185		
	9.650		186			0.652		181		
	9.464		368			0.471		366		
3	28.946	9.649		.997		1.960	0.653		.990	
	8.904		146			1.268		148		
	8.758		146			1.120		145		
	8.612		292			0.975		293		
4	26.274	8.758		1.289		3.363	1.121		1.283	
	8.471		148			1.371		144		
	8.323		145			1.227		146		
	8.178		293			1.081		290		
5	24.972	8.324		1.582		3.679	1.226		1.573	
		44.542					6.491			

F.B. 1368 P.G. 21

76P526 S & E #379 1-52

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726 LOS ANGELES COUNTY
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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 8:40 TO 9:[illegible] Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 24-18 To B.M.
Date 3-25-55
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
	9.331	44.542	193	1582		0.974	6.491	185	1.573	
	9.138		192			0.789		185		
	8.946		385			0.604		370		
6	27.415	9.138		1.967		2.367	0.789		1.943	
										B.M. 24-19 ALTADENA F-2 LINCOLN AVE & VENTURA ST. SEE F.B. 1387-23 FOR DESCRIPTION
										[illegible] 464.06
F.B. 1368 P.G. 22										SUMMATION OF RUN B.M. 24-18 TO B.M. 24-19 TOTAL BACKSIGHTS 153.680 TOTAL FORESIGHTS -7.280 DIFF IN ELEVATION +46.400
		53680					7280			

76P526 S & E #379 1-54

PLEASE RETURN TO
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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 9:20 TO 9:40 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 24-19 To B.M. 24-18
Date 3-25-55
Indexed R. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	1.022		184		#11	9.378		193		B.M. 24-19 ALTADENA F-2
	0.838		187			9.185		190		LINCOLN AVE & VENTURA
	0.651		371			8.995		383		SEE F.B. 1387-23
1	2.511	0.837		.371	80°	27.558	9.186		.383	FOR DESCRIPTION
	1.350		146			8.451		147		
	1.204		145			8.304		146		↑ E. LANDA
	1.059		291			8.158		293		
2	3.613	1.204		.662		24.913	8.304		.676	
	1.292		146			8.931		147		
	1.146		146			8.784		145		
	1.000		292			8.639		292		
3	3.438	1.146		.954		26.354	8.785		.968	
	0.802		182			9.800		183		
	0.620		181			9.617		186		
	0.439		363			9.431		369		
4	1.861	0.620		1.317		28.848	9.616		1.337	
	1.055		192			9.831		192		
	0.863		190			9.639		189		
	0.673		382			9.450		381		
5	2.591	0.864		1.699		28.920	9.640		1.718	
		4.671					45.531			

F.B. 1368 P.G. 23

76P526 S & E #379 1-54

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50016
Notes by G. E. DREIER Time 9:20 to 9:[illegible] Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 6301.02
From B.M. 24-19 To B.M. 24-18
Date 3-25-55
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
	2.655	4.671'	126	1.699		8.192	45.531'	118	1.718'	B.M. 24-18 (ALTADENA F2)
	2.529		128			8.074		116		LINCOLN AVE & FIGUEROA DR.
	2.401		254'			7.958		234'		SEE F.B. 1387-22
6	7.585	2.528'		1.953'		24.224	8.075'		1.952'	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 24-19 TO B.M. 24-18
										TOTAL BACKSIGHTS +7.199'
										TOTAL FORESIGHTS -53.606'
										DIFF IN ELEVATION -46.407'
		7.199'					53.606'			

F.B. 1368 P.G. 24

76P526 S & E #379 1-54

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726 LOS ANGELES COUNTY
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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 9:45 TO 10:25 Rod No. 11812

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 24-19 To B.M. 47-1
Date 3-25-55
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
	5.330		140		#11	4.428		143		B.M. 24-19 (ALTADENA F-2)
	5.190		141			4.285		141		LINCOLN AVE & VENTURA ST.
	5.049		281			4.144		284		SEE F.B. 1387-23
1	15.569	5.190		281	82°	12.857	4.286		284	FOR DESCRIPTION
	5.267		191			5.514		189		
	5.076		190			5.325		190		⊼ E. LANDA
	4.886		381			5.135		379		
2	15.229	5.076		.662		15.974	5.325		.663	
	4.498		190			6.145		192		
	4.308		188			5.956		189		
	4.120		378			5.767		381		
3	12.926	4.309		1.040		17.871	5.957		1.044	
	3.879		190			6.079		191		
	3.689		190			5.888		190		
	3.499		380			5.698		381		
4	11.067	3.689		1.420		17.665	5.888		1.425	
	4.410		191			5.767		190		
	4.219		189			5.577		188		
	4.030		380			5.389		378		
5	12.659	4.220		1.800		16.733	5.575		1.803	
		22.484					27.034			

F.B. 1368 P.G. 25

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 9:45 TO 10:[illegible] Rod No. 11 812

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 24-19 To B.M. 47-1
Date 3-25-55
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
	4.993	22.454	192	1.800		5.953	27.034	190	1.803	-32.794
	4.801		190			5.760		189		+27.286
	4.611		382			5.571		379		-5.508
6	14.405	4.802		2.182		17.281	5.[illegible]0		2.18[illegible] 2	
		27.286					32.794			B.M. A E 506 VENTURA ST. & CASITAS AVE (TO SOUTH) S.W. COR., B.SPK IN CURB 75 FT. W. OF W. END
	4.605		084			5.351		083		CURB RETURN
	4.521		053			5.268		082		
	4.438		167			5.186		165		
7	13.564	4.521		2.349		15.805	5.[illegible]8		2.346 7	
	4.829		191			6.614		191		
	4.638		188			6.423		190		
	4.450		379			6.232		381		
8	13.917	4.639		2.728		19.270	6.[illegible]23		2.727 8	
	3.569		191			6.809		191		
	3.378		191			6.618		190		
	3.187		382			6.428		381		
9	10.134	3.378		3.110		19.855	6.[illegible]5		3.108 9	
		39.824					51.03			

F.B. 1368 P.G. 26

76P526 S & E #379 1-54

PLEASE RETURN TO
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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 9:45 TO 10:25 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 24-19 To B.M. 47-1
Date 3-25-55
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
	4.504	39.824	190	3.110		5.750	51.103	191	3.108	-5.464
	4.314		192			5.559		189		+4.812
	4.122		382			5.370		380		-0.652
10	12.940	4.313		3.492		16.679	5.560		3.488	-65.985
										+54.084
										-11.901
										-5.508
	4.838		188			5.637		193		-6.393
	4.650		190			5.444		191		
	4.460		378			5.253		384		
11	13.948	4.649		3.870		16.334	5.445		3.872	
	5.459		191			4.061		184		FOR SUMMATION SEE
	5.278		190		#11	3.877		185		NEXT PAGE
	5.108		381			3.692		369		
12	15.895	5.298		4.251		11.630	3.877		4.241	
		54.084					65.985			B.M. A.E. 497
										KENTURA ST. & STERLING PL. N.E. COR.
										B SPK IN CURB 8½ FT. N. OF S.
										COR. OF CURB
	4.831		019			5.485		021		B.M. 47-1
	4.812		019			5.464		020		VENTURA ST & STERLING PL.
	4.793		038			5.444		041		SEE F.B. 1368-7
13	14.436	4.812		4.289		16.393	5.464		4.287	FOR DESCRIPTION
		58.896					71.449			

F.B. 1368 P.G. 27

76P526 S & E #379 1-54

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather Inst. No. 50010
Notes by G. E. DREIER Time Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 24-19 To B.M. 47-1
Date 3-25-55
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
										SUMMATION OF RUN
										TOTAL BACKSIGHTS +58.896
										TOTAL FORESIGHTS -71.449
										DIFF IN ELEVATION 24-19 TO 47-1 -12.553
										" " " B.M. 24-19 TO A.E. 506 -5.508
										" " " " AE-506 TO AE. 497 -6.393
										AE-497 TO B.M. 47-1 -0.652

F.B. 1368 P.G. 28

76P526 S & E #379 1-54

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather HAZE Inst. No. 50010
Notes by G. E. DREIER Time 10:25 TO 11:00 Rod No. 11812

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-1 To B.M. 24-19
Date 3-25-55
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.490		021			4.836		018		B.M. 47-1
	5.469		021			4.818		019		VENTURA ST. & STERLING PL.
	5.448		042			4.799		037		SEE F.B. 1368-7
1	16.407	5.469		042		14.453	4.818		037	FOR DESCRIPTION
										B.M. A.E. 497
										VENTURA ST & STERLING PL.,
										N.E. COR., B. SPK IN CURB
										8.5 FT. N. OF S. COR. OF CURB
	4.046		186		#11	5.473		191		
	3.860		184			5.282		190		
	3.676		370			5.092		381		
2	11.582	3.861		.412	86°	15.847	5.282		.418	⊥ E. LANDA
	5.630		190			4.831		188		
	5.440		189			4.643		187		
	5.251		379			4.456		375		+5.469
3	16.321	5.440		.791		13.930	4.643		.793	4.818
	5.780		192			4.539		191		+0.651
	5.588		190			4.348		190		
	5.398		382			4.158		381		
4	16.766	5.589		1.173		13.045	4.348		1.174	
		20.359					19.091			

F.B. 1368 PG. 29

76P526 S & E #379 1-54

PLEASE RETURN TO
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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: G. E. DREIER Weather: HAZE Inst. No. 50010
Notes by: G. E. DREIER Time: 10:25 TO 11:00 Rod No. 11812

Name: **L. A. CO. PRECISE LEVEL NET**
Job No. 0301.02
From: B.M. 47-1 To: B.M. 24-19
Date: 3-25-55
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
	6.814	20.359	191	1.173		3.575	19.091	192	1.174	
	6.623		190			3.382		191		
	6.433		385			3.191		384		
5	19.870	6.623		1.534		10.148	[illegible]		1.558	
	6.613		193			4.821		186		
	6.420		192			4.635		186		
	6.228		385			4.449		372		+ 33.149
6	19.261	6.420		1.939		13.905	4.635		1.930	- 26.760
	5.299		084			4.553		083		+ 6.389
	5.215		082			4.470		085		
	5.133		166			4.385		168		
7	15.647	5.216		2.105		13.408	4.469		2.098	
		38.618					31.578			B.M. A.E. 506 VENTURA ST. & CASITAS AVE. (TO SOUTH) S.W. COR. B.SPK. IN CURB 75 FT. W. OF W. END CURB RET.
	5.268		191			4.811		191		
	5.577		189			4.620		191		
	5.388		380			4.429		382		
8	16.733	5.578		2.485		13.860	4.620		2.480	
		44.196					36.198			

F.B. 1368 P.G. 30

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather HAZE Inst. No. 50010
Notes by G. E. DREIER Time 10:25 TO 11:00 Rod No. 11812

Name L. A. CO. PRECISE LEVEL NET
Job No. 030102
From B.M. 47-1 To B.M. 24-19
Date 3-25-55
Indexed L. O. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.780	44.196	191	2.485		4.422	36.198	189	2.480	
	5.589		190			4.233		187		+ 66.049
	5.399		381			4.046		376		- 54.157
9	16.768	5.589		2.866		12.701	4.234		2.856	+ 11.892
	6.095		193			3.899		191		
	5.902		190			3.708		190		+ 32.900
	5.712		383			3.518		381		- 27.397
10	17.709	5.903		3.249		11.125	3.708		3.237	+ 5.503
	6.207		194			4.555		189		SUMMATION OF RUN
	6.013		191			4.366		189		TOTAL BACKSIGHTS + 71.518
	5.822		385			4.177		378		TOTAL FORESIGHTS - 58.975
11	18.042	6.014		3.634		13.098	4.366		3.615	DIFF. 47-1 TO 24-19 + 12.543
	5.642		190			5.394		191		" 47-1 TO AE-497 0.651
	5.452		190			5.203		191		" AE-497 TO AE-506 +6.389
	5.262		380			5.012		382		" AE-506 TO 24-19 +5.503
12	16.356	5.452		4.014		15.609	5.203		3.997	
	4.504		141			5.411		146		B.M. 24-19 (ALTADENA F-2)
	4.363		137			5.265		143		LINCOLN AVE & VENTURA ST.
	4.226		278			5.122		289		SEE F.B. 1387-23
13	13.093	4.364		4.292		15.798	5.266		4.286	FOR DESCRIPTION
		71.518					58.975			

F.B. 1368 P. 31

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER 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. 1368 P.G. 32

76P526 S & E #379 1-54

PLEASE RETURN TO
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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather Smoggy Inst. No. 50010
Notes by E. Lozada Time 1:15 To 3:00 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-1 To B.M. 47-2
Date 3-25-55
Indexed K. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.500		020		#11	4.870		019		B.M. 47-1
	5.480		021			4.851		020		VENTURA ST. & STERLING PL.
	5.459		041			4.831		039		See F.B. 1368-7
1	16.439	5.480		.041		14.552	4.851		.039	for description
										BM 51
										VENTURA ST. & STERLING PL., N.W. COR., B.SPK IN CURB 6 FT
	2106		188		#11	11.551		190		N. OF S. COR OF CURB.
	1918		186			11.361		190		
	1732		374			11.171		380		
2	5.756	1.919		.415		34.083	11.361		.419	
	0676		024			11533		021		+ 5.480
	0652		025			11512		022		4.851
	0627		049			11490		043		+ 0.629
3	1.955	0.652		.464		34.535	11.512		.462	
	0261		032			11622		029		
	0229		031			11593		030		
	0198		063			11563		059		
4	0.688	0.229		.527		34.778	11.593		.521	
		8.280					39.317			

F.B. 1368 P.G. 33

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party B. E. DREIER Weather Smoggy Inst. No. 50010
Notes by E. Landa Time 1:15 To Rod No. 11812

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-1 To B.M. 47-2
Date 3-25-55
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
	1093	8.280	031	527		11909	34 [illegible]	044	521	
	1062		034			11865		044		
	1028		065			11821		088		
5	3183	1.061		.592		35595	11.865		.609	
	0261		038			11243		042		
	0223		037			11201		042		
	0186		075			11159		084		
6	0670	0.223		.667		33603	11.201		.693	
	0667		041			11942		045		
	0626		043			11897		042		
	0583		084			11855		087		
7	1876	0.625		.751		35694	11.898		.780	
	0373		029			11572		037		
	0344		028			11535		037		
	0316		057			11498		074		
8	1033	0.344		.808		34605	11.535		.854	
	0246		030			11619		029		
	0216		030			11590		031		
	0186		060			11559		060		
9	0648	0.216		.868		34768	11.589		.914	
		10.749					97.405			

F.B. 368 P.G. 34

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather Smoggy Inst. No. 50010
Notes by E. Landa Time 1:15 To 3:00 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-1 To B.M. 47-2
Date 3-25-55
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
	0627	10.749	020	.868		11085	97.405	043	.914	
	0607		021			11042		043		
	0586		041			10999		086		
10	1820	0.607		.909		33126	11.042		1.000	
	3679		127			4467		087		B.M. 47-2
	3552		129			4380		086		ARROYO SECO, W. OF WINSTON AVE
	3423		256			4294		173		See F.B. 1368-8
11	10654	3.551		1.165		13141	4.380		1.173	for description
										Summation of Run
										B.M. 47-1 To B.M. 47-2
										Total Backsights = + 14.907
										Total Foresights = −112.827
										Diff. in Elev. = −97.920
									B.M.	47-1 To B.M. 51 = + 0.629
									B.M.	51 To B.M. 47-2 = −98.549
		14.907					112.827			

F.B. 1368 P.G. 35

27

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER 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. 1368 P.G. 34										

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather Smoggy Inst. No. 50010
Notes by E. Lander Time 3:00 To 4:15 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-2 To B.M. 47-1
Date 3-25-55
Indexed L. O. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4261		088		Tape	3472		121		B.M. 47-2
	4173		085			3345		126		ARROYO SECO, W. OF KINSTON AVE
	4088		173			3219		253		See F.B. 1368-8
1	12522	4.174		173		10036	3.345		253	for description
	10952		044			0493		021		
	10908		043			0472		021		TT G.E. Dreier
	10865		087			0451		042		
2	32725	10.908		260		1416	0.472		295	
	11703		030			0328		030		
	11673		030			0298		030		
	11643		060			0268		060		
3	35019	11.673		320		0894	0.298		355	
	11473		038			0273		028		
	11435		037			0245		029		
	11398		075			0216		057		
4	34306	11.435		395		0734	0.245		412	
	12007		044			0731		042		
	11963		042			0689		040		
	11921		086			0649		082		
5	35891	11.964		481		2069	0.690		494	
		50.154					5.050			

F.B. 1368 P.G. 37

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIL Weather Hazey Inst. No. 50010
Notes by E. Landa Time 3:00 To 4:15 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-2 To B.M. 47-1
Date 3-25-55
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
	11505	50.154	042	481		0523	5.050	037	494	
	11463		041			0486		037		
	11422		983			0449		074		
6	34390	11.463		564		1458	0.486		568	
	11178		045		2.04	0360		033		
	11133		045			0327		035		
	11088		090			0292		068		
7	33399	11.133		654		0979	0.326		636	
	11932		027			0572		030		
	11905		028			0542		030		
	11877		055			0512		060		
8	35714	11.905		709		1626	0.542		696	
	11729		022			0870		023		
	11707		022			0847		023		
	11685		044			0824		046		
9	35121	11.707		753		2541	0.847		742	
	11604		189			2153		186		
	11415		190			1967		185		
	11225		379			1782		371		
10	34244	11.415		1132		5902	1.967		1113	
		109.777					9.218			

F.B. 1368 P.G. 38

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather Hazey Inst. No. 50010
Notes by E. Lande Time 3:00 To 4:15 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-2 To B.M. 47-1
Date 4-4-55
Indexed R. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
		107.777		11 ~~13~~ 32			9.218		11 ~~52~~ 13	B.M. 51
										Ventura St. & Sterling Pl. N.W. Cor. B. Spk. in Curb 6 ft. N. of S. Cor. of Curb
	4.876		020			5.505		020		B.M. 47-1
	4.856		020			5485		021		VENTURA ST. & STERLING PL.
	4.836		040	72		5464		041	54	See F.B. 1368-2
11	14568	4.856		1.153		16.454	5.485		1.173	for description
										Summation of Run B.M. 47-2 To B.M. 47-1
										Total Backsights = +112.633
										Total Foresights = -14.703
										Diff. in Elev = +97.930
									B.M. 47-2	To B.M. 51 = +98.559
									B.M. 51	To B.M. 47-1 = -0.629
		112.633					14.703			

F.B. 1368 P.G. 39

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER 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. 1368 P.G. 40

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather HAZE Inst. No. 50016
Notes by G. E. DREIER Time 11.40 TO Rod No. 4812

Name L. A. CO. PRECISE LEVEL NET
Job No. 030102
From B.M. 47-2 To B.M. 47-3A
Date 3-28-55
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
	1.722		075		#11	11.863		077		B.M. 47-2
	1.647		078			11.726		076		CITY OF PAS. WELL ON S.
	1.569		153			11.650		153		SIDE OF W'LY PROD OF
1	4.938	1.646		.153	68°	35.179	11.726		.153	VENTURA ST. & W'LY SIDE OF
	0.711		172			5.233		173		WINDSOR
	0.569		174			5.060		173		L. & N. IN N.W. COR. OF W.
	0.395		346			4.887		346		DOORWAY PAINTED B.M. A
2	1.675	0.568		.499		15.180	5.060		.499	
	7.786		187			4.331		182		
	7.549		189			4.149		184		
	7.360		376			3.965		366		T E. LANDIN
3	22.645	7.548		.875		12.445	4.148		.865	
	2.428		236			11.864		242		
	2.192		233			11.622		242		
	1.959		469			11.380		484		
4	6.579	2.193		1.344		34.866	11.622		1.349	
	4.075		193			10.288		197		
	3.882		192			10.091		198		
	3.690		385			9.893		395		
5	11.647	3.882		1.729		30.272	10.091		1.744	
		15.837					42.647			

F.B. 1368 P.G. 41

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather HAZE Inst. No. 50010
Notes by G. E. DREIER Time 10:40 TO 11:20 Rod No. 11912

Name L. A. CO. PRECISE LEVEL NET
Job No 0301.02
From B.M. 47-2 To B.M. 47-3A
Date 3-28-55
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
	4.325	15.837	194	1.729		4.639	42.647	191	1.744	
	4.131		192			4.446		189		
	3.939		1386			4.257		380		
6	12.395	4.132		2.115		13.340	4.[illegible]		2.124	
	4.130		194			6.[illegible]		193		SUMMATION OF RUN
	3.936		190			6.6[illegible]		194		B.M. 47-2 TO B.M. 47-3A
	3.746		384			6.465		287		TOTAL BACKSIGHTS + 35.956
7	11.812	3.937		2.499		19.97[illegible]	6.[illegible]59		2.5[illegible]	TOTAL FORESIGHTS - 55.557
	6.098		148			1.319		146		DIFF IN ELEVATION - 17.601
	5.950		146			1.173		144		
	5.804		254			1.029		295		
8	17.852	5.951	9	2.7[illegible]3		3.521	1.[illegible]4		2.801	
	6.247		149			0.770		140		B.M. 47-3A
	6.098		147			0.630		139		E. SIDE OF OAK GROVE PARK
	5.951		296			0.491		279		AT JCT. OF POWER LINES
9	18.296	6.099		3.0[illegible]9		1.891	0.630		3.080	A L.B. BOX IN P.P.# 818803E
										SEE F.B. 1368-9
		35.956					55.557			

F.B. 1368 P.G. 42

76P526 S & E #379 1-54

PLEASE RETURN TO
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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: G. E. DREIER Weather: HAZE Inst. No: 50010
Notes by: G. E. DREIER Time: 8:45 TO 10:20 Rod No: 11812

Name: L. A. CO. PRECISE LEVEL NET
Job No: 0.301.02
From: B.M. 47-3A To: B.M. 47-2
Date: 7-28-55
Indexed: A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	0.791		139		#11	6.268		149		B.M. 47-3A
	0.652		140			6.119		147		LARGE 8 SPK IN POWER POLE
	0.512		279			5.972		296		# 818803E
1	1.955	0.652		279		18.359	6.120		295	SEE F.B. 1368-9 FOR DESC.
	1.306		145			6.082		145		
	1.161		142			5.937		146		
	1.019		287			5.291		291		
2	3.486	1.162		.566		17.310	5.937		.587	T. E. LANDA
	6.844		195			4.118		191		
	6.649		192			3.927		190		
	6.457		387			3.737		381		
3	19.950	6.650		.953		11.782	3.927		.968	
	4.464		189			4.150		193		
	4.275		188			3.957		194		
	4.087		377			3.763		387		
4	12.826	4.275		1.330		11.870	3.957		1.355	
	10.489		199			4.279		195		
	10.290		198			4.084		192		
	10.092		397			3.892		387		
5	30.871	10.290		1.727		12.255	4.085		1.742	
		23.029					24.026			

F.B. 1368 P.G. 43

76P526 S & E #379 1-54

PLEASE RETURN TO
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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather HAZE - SR[illegible] Inst. No. 50010
Notes by G. E. DREIER Time 8:45 to 10:[illegible] Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-3A To B.M. 47-2
Date 3-28-55
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
	11.857	23 029	243	1.727		2 418	26	238	1.742	
	11.612		242			2.180		234		
	11.370		487			1.946		472		
6	34.839	11.613		2.214		6.544	2.181		2.214	
	4.740		193			8.132		187		SUMMATION OF RUN
	4.547		187			7.945		185		B.M. 47-3A TO B.M.
	4.360		380			7.760		372		TOTAL BACKSIGHTS + 55.943
7	13.647	4.549		2.594		23.837	7.946		2.586	TOTAL FORESIGHTS - 36.331
	5.159		175			0.664		173		DIFF IN ELEVATION + 19.612
	4.984		174			0.491		171		
	4.810		349			0.320		344		
8	14.953	4.984		2.943		1.475	0.492		2.930	
	11.845		077			1.763		077		B.M. 47-2
	11.768		077			1.686		077		CITY OF PAS. WELL ON S. SIDE
	11.691		154			1.609		154		S. OF W'LY PROL. OF VENTURA
9	35.304	11.768		3.097		5.058	1.686		3.084	ST., W. OF WINDSOR
										L. & NAIL IN N.W. COR. OF
										W. DOORWAY PAINTED
										"B.M. A"
										SEE F.B. 1368-8 FOR DESC.
		55.943					36.331			

F.B. 1368 P.G. 44

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 3:20 T 3:30 Rod No. 11 812

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-3 To B.M. 47-3A
Date 4-1-55
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
	3.220		027			3095		028		B.M. 47-3
	3.193		.027			3.067		028		W. SIDE ARROYO SECO, E. SIDE OAK AVE
	3.166		054			3.039		056		GROVE PK. ON E'ly PROD MICHIGAN
1	9.579	3.193		054		9.201	3.067		056	SEE F.B. 1368-9 FOR DESC.
										B.M. 47-3A
										LARGE B.SPK IN P.P. # 818803
										SEE F.B. 1368-9
	2970		029			2845		028		B.M. 47-3
	2.941		027			2817		028		
	2.914		056			2789		056		
1	8.825	2.942		056		8.451	2.817		056	
										+ 3.193 + 2.942
										- 3.067 - 2.817
										+ 0.126 - 0.125
								MEAN		DIFF IN ELEV. + 0.125

F.B. 1368 P.G. 45

76P526 S & E #379 1-54

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER 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. 1368 P.G. 116										

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather HAZE BREEZE Inst. No. 50010
Notes by G. E. DREIER Time 2:00 TO 3:05 Rod No. 11912

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-3A To B.M. 47-4
Date 3-28-55
Indexed K. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6.338		189		#11	4.198		196		B.M. 47-3A
	6.149		187			4.002		193		E. SIDE OF OAK GROVE PARK
	5.962		376			3.809		389		AT JCT. OF POWER LINES
1	18.449	6.150		376	72°	12.009	4.003		.389	SEE F.B. 1368-9 FOR DESC
	11.001		191			4.334		186		
	10.810		190			4.148		188		
	10.620		381			3.960		374		
2	32.431	10.810		757		12.442	4.147		.763	⊥ E. LANDA
	5.819		191			2.178		195		
	5.628		191			1.983		192		
	5.437		382			1.791		387		
3	16.884	5.628		1.139		5.952	1.984		1.150	
	7.351		086			0.455		092		
	7.265		085			0.363		092		
	7.180		171			0.271		184		
4	21.796	7.265		1.310		1.089	0.363		1.334	
	11.992		090			0.488		089		
	11.902		089			0.399		088		
	11.813		179			0.311		177		
5	35.707	11.902		1.489		1.198	0.399		1.511	
		41.755					10.896			

F.B. 1368 P.G. 47

76P526 S & E #379 1-54

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather BREEZE-HAZE Inst. No. 50010
Notes by G.E. DREIER Time 2:00 TO 3:05 Rod No 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No 0301.02
From B.M.47-3A To B.M.47-4
Date 3-28-55
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
	9.178	41.755	088	1.489		0.360	10.896	087	1.511	
	9.090		089			0.273		085		
	9.001		177			0.188		172		
6	27.269	9.090		1.666		0.821	0.274		1.683	71.085
	11.818		128			0.445		095		14.506
	11.690		129			0.350		096		+56.579
	11.561		257			0.254		191		
7	35.069	11.690		1.923		1.049	0.350		1.874	
	8.744		194			3.003		218		
	8.550		194			2.785		215		
	8.356		388			2.570		433		
8	25.650	8.550		2.321		8.358	2.786		2.307	
	5.005		099			4.340		101		B.M.47-4
	4.906		098			4.239		099		MICHIGAN AVE & VIRO RD.
	4.808		197			4.140		200		SEE F.B. 1368-10
9	14.719	4.906		2.508		12.719	4.240		2.507	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M.47-3A TO B.M.47-4
										TOTAL BACKSIGHTS +75.991
										" FORESIGHTS -18.546
		75.991					18.546			DIFF IN ELEVATION +57.445

F.B. 1368 P.G. 48

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather BREEZE Inst. No. 50010
Notes by G. E. DREIER Time 3:05 TO 3:50 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-4 To B.M. 47-3A
Date 3-28-55
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
	4.380		100			5.049		100		B.M. 47-4
	4.280		099			4.949		099		MICHIGAN AVE & VIRO RD.
	4.181		199			4.850		199		SEE F.B. 1368-10
1	12.841	4.280		.199		14.848	4.949		.199	FOR DESCRIPTION
	2.904		216		#11	8.645		195		
	2.688		218			8.450		194		
	2.470		434			8.256		389		
2	8.062	2.687		.633		25.351	8.450		.588	E. LANDA
	0.428		098			11.797		128		
	0.330		096			11.669		128		
	0.234		194			11.541		256		
3	0.992	0.331		.827		35.007	11.669		.844	
	0.521		083			9.342		089		
	0.438		084			9.253		089		
	0.354		167			9.164		178		
4	1.313	0.438		.994		27.759	9.253		1.022	
	0.527		088			11.870		087		
	0.439		088			11.783		084		
	0.351		176			11.699		171		
5	1.317	0.439		1.170		35.352	11.784		1.193	
		8.175					46.105			

F.B. 1368 P.G. 49

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather BREEZE-[illegible]F Inst. No. 50010
Notes by G. E. DREIER Time 3:05 TO 3:50 Rod No. 11.812

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-4 To B.M. 47-3A
Date 3-28-55
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	0.368	8.175	090	1.170		7.425	4.[illegible]05	086	1.193	
	0.278		089			7.339		087		
	0.189		179			7.252		173		
6	0.835	0.278		1.349		22.016	7.339		1.366	
	2.344		193			5.987		190		
	2.151		191			5.797		188		
	1.960		384			5.609		378		
7	6.455	2.152		1.733		17.393	5.798		1.744	
	4.411		189			11.075		191		
	4.222		187			10.884		188		
	4.035		376			10.696		379		
8	12.668	4.223		2.109		32.655	10.885		2.123	
	4.180		197			6.316		186		B.M. 47-3A
	3.983		194			6.130		183		E. SIDE OAK GROVE PARK IN
	3.789		391			5.947		369		P.P.# 818803E
9	11.952	3.984		2.500		18.393	6.131		2.492	SEE F.B. 1368-9 FOR DESC.
										SUMMATION OF RUN
										B.M. 47-4 TO B.M. 47-3A
										TOTAL BACKSIGHTS +18.812'
										TOTAL FORESIGHTS - 76.258'
		18.812					76.258			DIFF IN ELEVATION - 57.446

F.B. 1368 P.G. 50

76P526 S & E #379 1-54

PLEASE RETURN TO
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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party B. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 10:30 TO 11:40 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-4 To B.M. 47-5
Date 4-1-55
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
	6.174		192		#11	3.580		195		B.M. 47-4
	5.982		190			3.385		194		MICHIGAN AVE & VIRO RD.
	5.792		382			3.191		389		SEE F.B. 1368-10
1	17.948	5.983		.382		10.156	3.385		.389	FOR DESCRIPTION
	6.800		191			3.455		193		
	6.609		189			3.262		191		⊼ E. LANDA
	6.420		380			3.071		384		
2	19.829	6.610		.762		9.788	3.263		.773	
	7.940		140			1.182		136		
	7.800		139			1.046		136		
	7.661		279			0.910		272		
3	23.401	7.800		1.041		3.138	1.046		1.045	
	9.731		064			0.467		.068		
	9.667		065			0.399		066		
	9.602		129			0.333		134		
4	29.000	9.667		1.170		1.199	0.400		1.179	
	11.108		061			0.628		050		
	11.047		062			0.578		049		
	10.985		123			0.529		099		
5	33.140	11.047		1.293		1.735	0.578		1.278	
		41.107					8.672			

F.B. 1368 P.G. 51

76P526 S & E #379 1-54

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 10:30 TO 11:40 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-4 To B.M. 47-5
Date 4-1-55
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
	10.639	11.107	.048	1.293		0.321	0.272	.050	1.278	
	10.591		.050			0.271		.050		
	10.541		.098			0.221		.100		
6	31.771	10.590		1.391		0.813	0.271		1.378	
	11.091		.051			0.401		.050		
	11.040		.050			0.351		.051		
	10.990		.101			0.300		.101		
7	33.121	11.040		1.492		1.052	0.351		1.479	
	11.990		.058			0.448		.063		
	11.932		.056			0.385		.064		
	11.876		.114			0.321		.127		
8	35.798	11.933		1.606		1.154	0.385		1.606	
	11.272		.063			0.885		.064		
	11.209		.065			0.821		.062		
	11.144		.128			0.759		.126		
9	33.625	11.208		1.734		2.465	0.822		1.732	
	10.761		.188			7.781		.197		
	10.573		.188			7.584		.193		
	10.385		.376			7.391		.390		
10	31.719	10.573		2.110		22.756	7.585		2.122	
		96.451					18.086			

F.B. 368 P.G. 52

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 10:30 TO 11:40 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-4 To B.M. 47-5
Date 4-1-55
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
	3.880	96.451	190	2.110		5.990	18.086	189	2.122	
	3.690		189			5.801		189		
	3.501		378			5.612		378		
11	11.071	3.690		2.488		17.403	5.801		2.500	
	2.311		191			9.561		193		
	2.120		191			9.368		192		
	1.929		382			9.176		385		
12	6.360	2.120		2.870		28.105	9.368		2.885	
	0.932		163			10.180		161		
	0.769		164			10.019		160		
	0.605		327			9.859		321		
13	2.306	0.769		3.197		30.058	10.019		3.206	
	1.183		103			7.032		103		
	1.080		102			6.929		102		
	0.978		205			6.827		205		
14	3.241	1.080		3.402		20.788	6.929		3.411	
	4.154		131			5.568		120		
	4.023		128			5.448		120		
	3.895		259			5.328		240		
15	12.072	4.024		3.661		16.344	5.448		3.651	
		108.134					55.651			

F.B. 1368 P.G. 53

76P526 S & E #379 1-54

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

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 10:30 TO 11:40 Rod No. 118 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-4 To B.M. 47-5
Date 4-1-55
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.138	108.134	123	3.661		6.320	55.651	125	3.651	B.M. 47-5
	5.015		122			6.195		124		FOOTHILL BLVD & GEORGIAN RD.
	4.893		245			6.071		249		SEE F.B. 1368-11
16	15.046	5.015		3.906		18.586	6.195		3.900	FOR DESCRIPTION
										SUMMATION OF RUN B.M. 47-4 TO B.M. 47-5
										TOTAL BACKSIGHTS +113.149
										TOTAL FORESIGHTS -61.846
										DIFF IN ELEVATION +57.303
		113.149					61.846			

F.B. 1367 P.G. 54

76P526 S & E #379 1-54

PLEASE RETURN TO
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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 11:40 To 12:05 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-5 To B.M. 47-4
Date 4-1-55
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
	6.370		123		#11	5.184		122		B.M. 47-5
	6.247		126			5.062		122		FOOTHILL BLVD. & GEORGIAN RD.
	6.121		249			4.940		244		SEE F.B. 1368-11
1	18.738	6.246		.249		15.186	5.062		.244	FOR DESCRIPTION
	5.633		122			4.213		125		
	5.511		121			4.088		127		E. LANDA
	5.390		243			3.961		252		
2	16.534	5.511		.492		12.262	4.087		.496	
	6.989		105			1.139		104		
	6.884		103			1.035		104		
	6.781		208			0.931		208		
3	20.654	6.885		.700		3.105	1.035		.704	
	10.148		160			0.902		164		
	9.988		159			0.738		162		
	9.829		319			0.576		326		
4	29.965	9.988		1.019		2.216	0.739		1.030	
	9.546		194			2.293		191		
	9.352		192			2.102		191		
	9.160		386			1.911		382		
5	28.058	9.353		1.405		6.306	2.102		1.412	
		37.983					13.025			

F.B. 1368 P.G. 55

76P526 S & E #379 1-54

PLEASE RETURN TO
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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 1:00 TO Rod No. 11812

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-5 To B.M. 47-4
Date 4-1-55
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
	6.042	37.983	189	1.405		3.936	13.025	191	1.412	
	5.853		187			3.745		187		
	5.666		376			3.558		378		
6	17.561	5.854		1.781		11.239	3.746		1.790	
	7.754		195			10.737		190		
	7.559		195			10.547		187		
	7.364		390			10.360		377		
7	22.677	7.559		2.171		31.644	10.548		2.167	
	0.935		063			11.322		063		
	0.872		062			11.259		065		
	0.810		125			11.194		128		
8	2.617	0.872		2.296		33.775	11.258		2.295	
	0.345		064			11.886		056		
	0.281		062			11.830		056		
	0.219		126			11.774		112		
9	0.845	0.282		2.422		35.490	11.830		2.407	
	0.364		052			11.052		050		
	0.312		050			11.002		051		
	0.262		102			10.951		101		
10	0.938	0.313		2.524		33.005	11.002		2.508	
		52.863					61.409			

F.B. 1368 P.G. 56

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 1:00 TO 3:00 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-5 To B.M. 47-4
Date 4-1-55
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
	0.347	52.863	049	2.524		10.665	61.409	050	2.508	
	0.298		049			10.615		049		
	0.249		.098			10.566		.099		
11	0.894	0.298		2.622		31.846	10.615		2.607	
	0.630		051			11.111		062		
	0.579		049			11.049		062		
	0.530		100			10.987		124		
12	1.739	0.580		2.722		33.147	11.049		2.731	
	0.555		064			9.824		066		
	0.491		063			9.758		068		
	0.428		127			9.690		134		
13	1.474	0.491		2.849		29.272	9.757		2.865	
	1.080		135			7.841		140		
	0.945		135			7.701		140		
	0.810		270			7.561		280		
14	2.835	0.945		3.119		23.103	7.701		3.145	
	3.511		195			6.851		191		
	3.316		192			6.660		190		
	3.124		387			6.470		381		
15	9.951	3.317		3.506		19.981	6.660		3.526	
		58.494					107.191			

F.B. 1368 P.G. 57

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 1:00 TO 3:00 Rod No. 11812

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-5 To B.M. 47-4
Date 4-1-55
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
	4.076	58.494'	196	3.506		6.672	107.191'	192	3.526'	B.M. 47-4
	3.880		192			6.480		190		MICHIGAN AVE & VIRO RD.
	3.688		388'			6.290		382'		SEE F.B. 1368-10
16	11.644'	3.881'		3.894'		19.442'	6.481'		3.908'	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 47-5 TO B.M. 4
										TOTAL BACKSIGHTS +62.375'
										TOTAL FORESIGHTS -113.672'
										DIFF IN ELEVATION -51.297'
		62.375'					113.672'			

F.B. 1368 P.G. 58

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 9:30 TO 10:10 Rod No. 11 & 12

Name L.A.Co. PRECISE LEVEL NET
Job No 030102
From B.M. 47-5 To B.M. 47-6
Date 4-4-55
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
	10.627		195		#11	1.511		191		B.M. 47-5
	10.432		192			1.320		192		FOOTHILL BLVD. & GEORGIAN RD.
	10.240		387			1.128		383		SEE F.B. 1368-11
1	31.299	10.433		387	62°	3.959	1.320		383	FOR DESCRIPTION
	9.320		191			0.746		192		← N.8 W. PAINTED "B.M. 78 1167.71"
	9.129		190			0.554		190		E. LANDA
	8.939		381			0.364		382		
2	27.388	9.129		.768		1.664	0.555		.765	
	9.801		191			0.834		188		
	9.610		190			0.646		189		
	9.420		381			0.457		377		
3	28.831	9.610		1.149		1.937	0.646		1.142	
	9.530		192			1.571		191		
	9.338		190			1.380		190		
	9.148		382			1.190		381		
4	28.016	9.339		1.531		4.141	1.380		1.523	
	7.789		194			2.217		190		
	7.597		188			2.027		190		
	7.409		379			1.837		380		
5	22.795	7.598	80	1.918		6.081	2.027		1.903	
		46.109					5.928			

F.B. 1368 P.G. 59

76P526 S & E #379 1-54

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 9:30 TO 10:10 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-5 To B.M. 47-6
Date 4-4-55
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
	8.343	46.109	191	1.910		1.944	1.828	191	1.903	
	8.152		190			1.753		189		
	7.962		381			1.564		380		
6	24.457	8.152		2.291		5.261	1.754		2.283	
	7.940		189			1.669		192		
	7.751		190			1.477		190		
	7.561		379			1.287		382		
7	23.252	7.751		2.670		4.433	1.478		2.665	SUMMATION OF RUN
	8.689		191			1.200		190		B.M. 47-5 TO B.M. 47-6,
	8.498		191			1.010		188		TOTAL BACKSIGHTS + 84.272
	8.307		382			0.822		378		TOTAL FORESIGHTS - 15.757
8	25.494	8.498		3.058		3.032	1.011		3.043	DIFF IN ELEVATION +68.515
	7.087		121			2.473		122		
	6.966		119			2.351		120		
	6.847		240			2.231		242		
9	20.900	6.967		3.298		7.055	2.352		3.285	
	6.917		122			3.355		121		B.M. 47-6
	6.795		122			3.234		120		FOOTHILL BLVD. & OAKWOOD AVE.
	6.673		244			3.114		241		SEE F.B. 1368-12
10	20.385	6.795		3.536		9.703	3.234		3.526	FOR DESCRIPTION
		84.272					15.757			

F.B. 1368 P.G. 60

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 10:10 TO 10:45 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-6 To B.M. 47-5
Date 4-4-55
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
	3408		120		#11	6969		121		B.M. 47-6
	3.288		120			6,848		121		FOOTHILL BLVD. & OAKWOOD AVE
	3.168		240			6,727		242		SEE F.B. 1368-12
1	9.864	3.288		240	60°	20.544	6.848		242	FOR DESCRIPTION
	2498		121			7.112		121		
	2.377		121			6.991		120		
	2.256		242			6,871		241		⊼ E. LANDA
2	7.131	2.377		482		20.974	6.991		483	
	1.233		189			8 721		191		
	1.044		187			8.530		189		
	0.857		376			8.341		380		
3	3.134	1.045		.858		25.592	8.531		.863	
	1.646		191			7.921		190		
	1.455		190			7.731		189		
	1.265		381			7.542		379		
4	4.366	1.455		1.239		23.194	7.731		1242	
	1.930		190			8 331		190		
	1.740		190			8.141		189		
	1.550		380			7.952		379		
5	5.220	1.740		1.619		24.424	8.141		1.621	
		9.905					38.242			

F.B. 1368 P.G. 61

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER
Notes by G. E. DREIER
Weather BREEZE-CLEAR Inst. No. 50610
Time 10:10 TO 10:115 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 030102
From B.M. 47-6 To B.M. 47-5
Date 4-4-55
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
	2.262	9.905	191	1.619		7.836	38.742	192	1.621	
	2.071		189			7.644		189		
	1.882		380			7.455		381		
6	6.215	2.072		1.999		22.935	7.645		2.002	
	1.593		188			9.551		192		
	1.405		190			9.359		189		
	1.215		378			9.170		381		
7	4.213	1.404		2.377		28.080	9.360		2.383	SUMMATION OF RUN B.M. 47-6 TO B.M. 47-5
	0.801		191			9.768		190		TOTAL BACKSIGHTS +15.960
	0.610		189			9.578		191		TOTAL FORESIGHTS -84.475
	0.421		380			9.387		381		DIFF IN ELEVATION -68.515
8	1.832	0.611		2.757		28.733	9.578		2.764	
	0.747		193			9.319		191		
	0.554		193			9.128		191		
	0.361		386			8.937		382		
9	1.662	0.554		3.143		27.384	9.128		3.146	
	1.606		193			10.711		188		B.M. 47-5
	1.413		191			10.523		192		FOOTHILL BLVD & GEORGIAN RD.
	1.222		384			10.331		380		SEE F.B. 1368-11
10	4.241	1.414		3.527		31.565	10.522		3.526	FOR DESCRIPTION
		15.960					84.475			

F.B. 1368 P.G. 62

76P526 S & E #379 1-54

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather Clear Inst. No. 50010
Notes by E. Landa Time 11:50 To 12:30 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-6 To B.M. 47-7
Date 4-4-55
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
	8721		188		#11	2213		191		B.M. 47-6
	8533		185			2022		190		Foothill Blvd. & Oakwood Ave
	8348		373			1832		381		See F.B. 1368-12
1	25602	8.534		373	60°	6067	2.022		381	for description
	7629		190			1700		188		
	7439		188			1512		189		⊼ G.E. Dreier
	7251		378			1323		377		
2	22319	7.440		751		4535	1.512		758	
	9071		192			1907		189		
	8879		189			1718		188		
	8690		381			1530		377		
3	26640	8.880		1132		5155	1.718		1135	
	11363		191			2070		189		
	11172		189			1881		191		
	10983		380			1690		380		
4	33518	11.173		1512		5641	1.880		1515	
	8826		191			2528		190		
	8635		189			2338		190		
	8446		380			2148		380		
5	25907	8.636		1892		7014	2.338		1895	
		44.663					9.470			

F.B. 1368 P.G. 63

76P526 S & E #379 1-54

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather Clear Inst. No. 50010
Notes by E. Lande Time 11:50 To 12:30 Rod No. 11&12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-6 To B.M. 47-7
Date 4-4-55
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
	10253	44.663	162	1892		10659	9.470	158	1895	
	10091		162			0909		158		
	9929		324			0749		316		
6	30273	10.091		2216		2721	0.907		2211	
	9570		147			1058		147		
	9423		144			0911		148		
	9279		291			0763		295		
7	28272	9.424		2507		2732	0.911		2506	
	9850		149			1466		149		
	9701		149			1317		149		
	9552		298			1168		298		
8	29103	9.701		2805		3951	1.317		2804	
	8757		148			1741		145		
	8609		148			1596		145		
	8461		296			1451		1290		
9	25827	8.609		3101		4788	1.596		3094	
	9943		146			1638		148		
	9797		146			1490		147		
	9651		292			1343		295		
10	29391	9.797		3393		4471	1.490		3389	
		92.285					15.691			

F.B. 1368 P.G. 64

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather Clear Inst. No. 50010
Notes by ~~G. E. DREIER~~ E. Landa Time 11:50 To 12:30 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-6 To B.M. 47-7
Date 4-4-55
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
	9644	92.285	171	3393		1899	15.691	170	3389	B.M. 47-7
	9473		170			1729		168		Foothill Blvd. & ANGELES CREST Hwy
	9303		341			1561		338		See F.B. 1368-13
11	28420	9.473		3734	60°	5189	1.730		3727	for description
										Summation of Run B.M. 47-6 To B.M. 47-7
										Total Backsights = + 101.758
										Total Foresights = - 17.421
										Diff. in Elev. = + 84.337
		101.758					17.421			

F.B. 1368 P.G. 65

76P526 S & E #379 1-54

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather Inst. No.
Notes by G. E. DREIER 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. 1368 P.G. 66										

76P526 S & E #379 1-54

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather Windy Inst. No. 50010
Notes by E. Landa Time 11:00 To 11:50 Rod No. 115'12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-7 To B.M. 47-6
Date 4-4-55
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
	1911		170		#11	9658		171		B.M. 47-7
	1741		169			9487		170		Foothill Blvd. & Angeles Crest Hwy
	1572		339			9317		341		See F.B. 1368-13
1	5224	1.741		339	62°	28462	9.487		341	for description
	1615		146			9922		147		
	1469		145			9775		146		⊼ G.E. Dreier
	1324		291			9629		293		
2	4408	1.469		630		29326	9.775		634	
	1801		147			8813		147		
	1654		145			8666		147		
	1509		292			8519		294		
3	4964	1.655		922		25998	8.666		928	
	1562		149			9948		151		
	1413		151			9797		149		
	1262		300			9648		300		
4	4237	1.412		1222		29391	9.797		1228	
	1079		148			9591		147		
	0931		144			9444		144		
	0787		292			9300		291		
5	2797	0.932		1514		28335	9.445		1519	
		7.209					47.176			

F.B. 1368 P.G. 67

76P526 S & E #379 1-54

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather Windy Inst. No. 50010
Notes by E. Lenda Time 11:00 To 11:50 Rod No. 11912

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-7 To B.M. 47-6
Date 4-4-55
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
	10907	7.209	158	1514		10284	11.178	166	1519	
	0932		155			10118		165		
	0777		313			9953		331		
6	27799	0.933		1827		30355	10.118		1850	
	2498		190			8795		189		
	2308		189			8606		189		
	2119		379			8417		378		
7	6925	2.308		2206		25818	8.606		2228	
	2028		190			11319		191		
	1838		189			11128		190		
	1649		379			10938		381		
8	5515	1.838		2585		33385	11.128		2609	
	1897		189			9062		191		
	1708		188			8871		191		
	1520		377			8680		382		
9	5125	1.708		2962		26613	8.871		2991	
	1643		188			7572		189		
	1455		187			7383		190		
	1268		375			7193		379		
10	4366	1.455		3337		22148	7.383		3370	
		15.451					93.276			

F.B. 1368 P.G. 68

7

76P526 G & E #379 1-54

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather Windy Inst. No. 50010
Notes by ~~G. E. DREIER~~ F. Landt Time 11:00 To 11:50 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-7 To B.M. 47-6
Date 4-4-55
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
	2118	15.451'	196	3337'		8613	93.276 7	181	3370'	B.M. 47-6
	1922		195			8432		179		Foothill Blvd. & Oakwood Ave
	1727		391'			8253		360'		See F.B. 1368-12
11	5767'	1.922'		3728'	61°	25298	8.433'		3730'	for description
										Summation of Run B.M. 47-7 To B.M. 47-6
										Total Backsights = +17.373'
										Total Foresights = -101.709 10
										Diff. in Elev. = -84.336 7
										F.B. 1368 P.G. 69
		17.373'					101.709 10			

76P526 S & E #379 1-54

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather Inst. No.
Notes by G. E. DREIER 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. 1368 P.G. 70

76P526 S & E #379 1-54

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather BREEZE-CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 10:05 TO 10:30 Rod No 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-7 To B.M. 47-8
Date 4-5-55
Indexed A. C. Johnson

Number of Station	(FORESIGHTS) ~~BACKSIGHT~~ Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	(BACKSIGHTS) ~~FORESIGHT~~ Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	+ 10.416		175		# 11	− 0.860		180		B.M. 47-7
	+ 10.241		171			− 0.680		179		FOOTHILL BLVD. & ANGELES CREST Hwy
1	+ 10.070	0680	346	359		− 0.501	10.242	359	.346	SEE F.B. 1368-13
	30.727	~~10.242~~		~~.346~~	66°	2.041	~~0.680~~		~~.359~~	FOR DESCRIPTION
	1.240		162			8.700		160		
	− 1.078		164			+ 8.540		159		
	0.914		326	.685		8.381		319	.665	⊼ E. LANDA
2	3.232	1.077		~~.672~~		25.621	8.540		~~.678~~	
	2.094		174			11.012		169		
	− 1.920		171			+ 10.843		168	1002	
	1.749		345	1.030		10.675		337	~~.992~~	
3	5.763	1.921		~~1.017~~		32.530	10.843		~~1.015~~	
	0.933		113			8.359		109		
	− 0.820		110			+ 8.250		109		
	0.710		223	1.253		8.141		218	1.2~~10~~ 20	
4	2.463	0.821		~~1.240~~		24.750	8.250		~~1.233~~	
	1.400		147			11.504		146		
	− 1.253		144			+ 11.358		147		
	1.109		291	1.544		11.211		293	1.5~~33~~ 13	
5	3.762	1.254		~~1.531~~		34.073	11.358		~~1.526~~	
		5.753					49.233			

F.B. 1368 P.G. 71

76P526 S & E #379 1-54

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 10:05 TO 10:30 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-7 To B.M. 47-8
Date 4-5-55
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
	8.874	49.233	156	1.563 13		0.622	5.753	166	1.544	
	8.718		158			0.456		165		
	8.560		314			0.291		331		
6	26.152	8.717		1.877 27		1.369	0.456		1.875	
	9.421		197			1.221		189		B.M. 47-8
	9.224		194			1.032		187		AT CO. LIBARY ON LA CANADA
	9.030		391			0.845		376		BLVD. & 1ST ALLEY N. OF FOOTHILL BLVD.
7	27.675	9.225		2.268 18		3.098	1.033		2.251	SEE F.B. 1368-14 FOR DESC.
										SUMMATION OF RUN B.M. 47-7 TO B.M. 47-8
										TOTAL BACKSIGHTS + 67.175
										TOTAL FORESIGHTS - 7.242
										DIFF IN ELEVATION + 59.933
		67.175					7.242			

F.B. 1368 P.G. 72

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 9:30 TO 10:05 Rod No. 11812

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-8 To B.M. 47-7
Date 4-5-55
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
	1.172		191		#11	9.369		195		B.M. 47-8
	0.981		190			9.174		194		LA CANADA BLVD. & 1ST ALLEY N. OF
	0.791		381			8.980		389		FOOTHILL BLVD
1	2.944	0.981		.381	64°	27.523	9.174		.389	SEE F.B. 1368-14 FOR DESC.
	0.580		164			8.834		159		
	0.416		165			8.675		159		π E. LANDA
	0.251		329			8.516		318		
2	1.247	0.416		.710		26.025	8.675		.707	
	1.410		145			11.517		147		
	1.265		146			11.370		148		
	1.119		291			11.222		295		
3	3.794	1.265		1.001		34.109	11.370		1.002	
	0.888		114			8.312		108		
	0.774		112			8.204		107		
	0.662		226			8.097		215		
4	2.324	0.775		1.227		24.613	8.204		1.217	
	1.445		167			10.369		169		
	1.278		168			10.200		169		
	1.110		335			10.031		338		
5	3.833	1.278		1.562		30.600	10.200		1.555	
		4.715					47.623			

F.B. 1368 P.G. 73

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather BREEZE-CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 9:30 TO 10:05 Rod No. 11 812

Name L.A.Co. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-8 To B.M. 47-7
Date 4-5-55
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
	1.183	4.715'	163	1.562'		8.639	4.323'	159	1.555'	
	1.020		162			8.480		158		
	0858		325'			8.322		317'		
6	3.061	1.020'		1.887'		25.441	8.480		1.872'	
	0.851		181			10.407		175		B.M. 47-7
	0.670		177			10.232		171		FOOTHILL BLVD. & ANGELES CREST Hwy
	0.493		358'			10 061		346'		SEE F.B. 1368-13
7	2.014	0.671'		2.245'		30.700	10.233'		2.218'	FOR DESCRIPTION
										SUMMATION OF RUN B.M. 47-8 TO B.M. 47-7
										TOTAL BACKSIGHTS +6.406'
										TOTAL FORESIGHTS -66.336'
										DIFF IN ELEVATION -59.930'
		6.406'					66.336'			

F.B. 1368 P.G. 74

76P526 S & E #379 1-54

PLEASE RETURN TO
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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather BREEZE-CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 11:30 TO 12:10 Rod No 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 2301.02
From B.M. 47-8 To B.M. 47-9
Date 4-5-55
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
	1.090		127		#11	5.182		131		B.M. 47-8
	0.963		124			5.051		131		LA CANADA BLVD. & 1ST ALLEY
	0.839		251			4.920		262		N. OF FOOTHILL BLVD.
1	2.892	0.964		.251		5.153	5.051		.262	SEE F.B. 1368-14 FOR DESC.
	7.783		104			2.755		103		
	7.679		104			2.652		101		↑ E. LANDA
	7.575		208			2.551		204		
2	23.037	7.679		.459		7.958	2.653		.466	
	9.524		178			0.772		172		
	9.346		178			0.600		172		
	9.168		356			0.428		344		
3	28.038	9.346		.815		1.800	0.600		.810	
	10.423		173			1.019		170		
	10.250		172			0.849		171		
	10.078		345			0.678		341		
4	30.751	10.250		1.160		2.546	0.849		1.151	
	9.918		178			1.550		174		
	9.740		179			1.376		174		
	9.561		357			1.202		348		
5	29.219	9.740		1.517		4.128	1.376		1.499	
		37.979					10.529			

F.B. 1368 P.G. 75

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather GUSTY - CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 11:30 TO 12:10 Rod No. 18 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-8 To B.M. 47-9
Date 4-5-55
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
	10.020	37.979	162	1.517		1.310	10.529	163	1.499	
	9.858		163			1.147		163		
	9.695		325			0.984		326		
6	29.573	9.858		1.842		3.441	1.147		1.825	
	9.610		170			1.525		167		
	9.440		166			1.358		167		
	9.274		336			1.191		334		
7	28.324	9.441		2.178		4.074	1.358		2.159	
	9.790		189			1.802		184		
	9.601		189			1.618		187		
	9.412		378			1.431		371		
8	28.803	9.601		2.556		4.851	1.617		2.530	
	9.741		164			0.986		166		
	9.577		164			0.820		167		
	9.413		328			0.653		333		
9	28.731	9.577		2.884		2.459	0.820		2.863	
	9.706		162			0.592		161		
	9.544		160			0.431		161		
	9.384		322			0.270		322		
10	28.634	9.545		3.206		1.293	0.431		3.185	
		86.001					15.902			

F.B. 1368 P.G. 76

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather GUSTY CLEAR Inst. No. 50010
Notes by G.E. DREIER Time 11:30 TO 12:10 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-8 To B.M. 47-9
Date 4-5-55
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
	10.530	86.001	190	3.206		1.858	15.962	196	3.185	
	10.340		188			1.662		192		
	10.152		378			1.470		388		
11	31.022	10.341		3.584		4.990	1.663		3.573	
	7.451		191			4.801		191		
	7.260		190			4.610		190		
	7.070		381			4.420		381		
12	21.781	7.260		3.965		13.831	4.610		3.954	
	5.242		190			5.143		189		B.M. 47-9
	5.052		190			4.954		187		FOOTHILL BLVD. & EL CAMINO CORTO
	4.862		380			4.767		376		SEE F.B. 1368-15
13	15.156	5.052		4.345		14.864	4.955		4.330	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 47-8 TO B.M. 47-9
										TOTAL BACKSIGHTS +108.654
										TOTAL FORESIGHTS - 27.130
										DIFF IN ELEVATION +81.524
		108.654					27.130			

F.B. 1368 PG. 77

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather Inst. No.
Notes by G. E. DREIER 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. 368 P.G. 78

76P526 S & E #379 1-54

PLEASE RETURN TO
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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather BREEZE-CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 10:50 TO 11:30 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 030102
From B.M. 47-9 To B.M. 47-8
Date 4-5-55
Indexed E. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.638		189		#11	4.740		192		B.M. 47-9
	4.449		189			4.548		194		FOOTHILL BLVD & EL CAMINO CORTO
	4.260		378			4.354		386		SEE F.B. 1368-15
1	13.347	4.449		.378	66°	13.642	4.547		.386	FOR DESCRIPTION
	4.795		192			7.445		193		
	4.603		189			7.252		191		T E. LANDA
	4.414		381			7.061		384		
2	13.812	4.604		.759		21.758	7.253		.770	
	1.890		195			10.564		189		
	1.695		195			10.375		188		
	1.500		390			10.187		377		
3	5.085	1.695		1.149		31.126	10.375		1.147	
	0.586		163			9.699		162		
	0.423		160			9.537		161		
	0.263		323			9.376		323		
4	1.272	0.424		1.472		28.612	9.537		1.470	
	0.991		165			9.752		163		
	0.826		166			9.589		164		
	0.660		331			9.425		327		
5	2.477	0.826		1.803		28.766	9.589		1.797	
		11.998					41.301			

F.B. 1368 P.G. 79

76P526 S & E #379 1-54

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 10:50 TO 11:30 Rod No. 11812

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-9 To B.M. 47-8
Date 4-5-55
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
	1.812	11.998	185	1.803		9.799	9.601	190	1.797	
	1.627		187			9.609		190		
	1.440		372			9.419		380		
6	4.879	1.626		2.175		28.827	9.609		2.177	
	1.459		168			9.542		167		
	1.291		166			9.375		165		
	1.125		334			9.210		332		
7	3.875	1.292		2.509		28.127	9.376		2.509	
	1.299		165			10.008		165		
	1.134		162			9.843		163		
	0.972		327			9.680		328		
8	3.405	1.135		2.836		29.531	9.844		2.837	
	1.612		173			9.981		179		
	1.439		172			9.802		176		
	1.267		345			9.626		355		
9	4.318	1.439		3.181		29.409	9.803		3.192	
	1.022		171			10.425		173		
	0.851		170			10.252		172		
	0.681		341			10.080		345		
10	2.554	0.851		3.522		30.757	10.252		3.537	
		18.341					90.185			

F.B. 1368 P.G. 80

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party B. E. DREIER Weather CLEAR Inst. No. 50010
Notes by G. E. DREIER Time 10:50 TO 11:30 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-9 To B.M. 47-8
Date 4-5-55
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
	1.659	18.341	176	3.522		10.411	90.185	178	3.537	
	1.483		173			10.233		174		
	1.310		349			10.059		352		
11	4.452	1.484		3.871		30.703	10.234		3.889	
	2.750		101			7.779		105		
	2.649		101			7.674		103		
	2.548		202			7.571		208		
12	7.947	2.649		4.073		23.024	7.675		4.097	
	5.170		131			1.078		127		B.M. 47-8
	5.039		130			0.951		124		LA CANADA BLVD. & 1ST ALLEY N.
	4.909		261			0.827		251		OF FOOTHILL BLVD.
13	15.118	5.039		4.334		2.856	0.952		4.348	SEE F.B. 1368-14 FOR DESC.
										SUMMATION OF RUN
										B.M. 47-9 TO B.M. 47-8
										TOTAL BACKSIGHTS + 27.513
										TOTAL FORESIGHTS - 109.046
										DIFF IN ELEVATION - 81.533
				27.513					109.046	

F.B. 1368 P.G. 81

76P526 S & E #379 1-54

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather Inst. No.
Notes by G. E. DREIER 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. 1368 P.G. 82

76P526 S & E #379 1-54

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: G. E. DREIER Weather: Windy Inst. No. 50010
Notes by: E. Landa Time: 2:25 To 3:00 Rod No. 11 & 12

Name: L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From: B.M. 47-9 To: B.M. 47-10
Date: 4-5-55
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
	5438		130		#11	4597		130		B.M. 47-9
	5308		129			4467		130		Foothill Blvd & El Camino Corto
	5179		259			4337		260		See F.B. 1368-15
1	15925	5.308		259	66°	13401	4.467		260	for description
	5101		128			5748		130		
	4973		126			5618		128		⊼ G.E. Dreier
	4847		254			5490		258		
2	14921	4.974		513		16856	5.619		518	
	4382		191			4870		193		
	4191		189			4677		193		
	4002		380			4484		386		
3	12575	4.192		893		14031	4.677		904	
	8066		193			1476		189		
	7873		192			1287		190		
	7681		385			1097		379		
4	23620	7.873		1278		3860	1.287		1283	
	8562		131			0780		131		
	8431		130			0649		131		
	8301		261			0518		262		
5	25294	8.431		1539		1947	0.649		1545	
	30778					16699				

F.B. 1368 P.G. 83

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather Windy Inst. No. 50010
Notes by E. Landez Time 2:25 To 3:00 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0303.01
From B.M. 47-9 To B.M. 47-10
Date 4-5-55
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
	9099	30.778	108	1539		0822	16.699	110	1545	
	8991		109			0712		108		
	8882		217			0604		218		
6	26972	8.991		1756		2138	0.713		1763	
	9325		110			0890		109		
	9215		109			0781		109		
	9106		219			0672		218		
7	27646	9.215		1975		2343	0.781		1981	
	10213		129			0883		132		
	10084		128			0751		131		
	9956		257			0620		263		
8	30253	10.0[illegible]		2232		2254	0.751		2244	
	10148		175			1319		177		
	9973		172			1142		176		
	9801		347			0966		353		
9	29922	9.974		2579		3427	1.142		2599	
	8964		191			1468		191		
	8773		190			1277		191		
	8583		381			1086		382		
10	26320	8.773		2960		3831	1.277		2979	
		77.815					21.363			

F.B. 1368 P.G. 84

76P526 S & E #379 1-54

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather WINDY Inst. No. 50010
Notes by E. LANDA Time 2:25 TO 3:00 Rod No. 11812

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-9 To B.M. 47-10
Date 4-5-55
Indexed L. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	9.061	77.815	189	2.960		1.357	21.363	190	2.979	
	8.872		187			1.167		190		
	8.685		376			0.977		380		
11	26.618	8.873		3.336		3.501	1.167		3.359	
	8.430		190			2.345		189		B.M. 47-10
	8.240		190			2.156		187		FOOTHILL BLVD. & LITTLETON PL.
	8.050		380			1.969		376		SEE F.B. 1368-16
12	24.720	8.240		3.716		6.470	2.157		3.735	FOR DESCRIPTION
										SUMMATION OF RUN
										B.M. 47-9 TO B.M. 47-10
										TOTAL BACKSIGHTS + 94.928
										TOTAL FORESIGHTS - 24.687
										DIFF IN ELEVATION + 70.241
										F.B. 1368 P.G. 85
	94.928					24.687				

76P526 S & E #379 1-54

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party..... Weather..... Inst. No.....

Notes by..... Time..... Rod No.....

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

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

F.B. 1368 P.G. 86

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather Windy Inst. No. 50010
Notes by E. Landa Time 1:20 To 2:20 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-10 To B.M. 47-9
Date 4-5-55
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
	2345		188		#11	8432		191		B.M. 47-10
	2157		187			8241		190		Foothill Blvd. & Littleton Pl.
	1970		375			8051		381		See F.B. 1368-16
1	6472	2157		375	65°	24724	8.241		381	for description
	1257		189			8964		189		
	1068		190			8775		191		G.E. Dreier
	0878		379			8584		380		
2	3203	1.068		754		26323	8.774		761	
	1232		193			8731		193		
	1039		190			8538		191		
	0849		383			8347		384		
3	3120	1.040		1137		25616	8.539		1145	
	1234		178			10066		177		
	1056		177			9889		173		
	0879		355			9716		350		
4	3169	1.056		1492		29671	9.890		1495	
	0889		130			10222		131		
	0759		131			10091		131		
	0628		261			9960		262		
5	2276	0.759		1753		30273	10.091		1757	
		6.080					45.535			

F.B. 1368 P.G. 87

76P526 S & E #379 1-54

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Chief of Party G. E. DREIER Weather Windy Inst. No. 50010
Notes by E. Landa Time 1:20 To 2:20 Rod No. 11 E 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-10 To B.M. 47-9
Date 4-5-55
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
	0904	0.080	108	1753		9342	45.535	110	1757	
	0796		108			9232		111		
	0688		216			9121		221		
6	2388	0.796		1969		27695	9.232		1978	
	0539		110			8814		106		
	0429		108			8708		107		
	0321		218			8601		213		
7	1289	0.430		2187		26123	8.708		2191	
	0460		132			8243		132		
	0328		133			8111		131		
	0195		265			7980		263		
8	0983	0.328		2452		24334	8.111		2454	
	1293		191			7883		191		
	1102		190			7692		190		
	0912		381			7502		381		
9	3307	1.102		2833		23077	7.692		2835	
	4793		192			4307		190		
	4601		192			4117		190		
	4409		384			3927		380		
10	13803	4.601		3217		12351	4.117		3215	
		13.337					33.395			

F.B. 1368 P.G. 88

76P526 S & E #379 1-54

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Chief of Party G. E. DREIER Weather WINDY Inst. No. 50010
Notes by E. LANDA Time 1:20 TO 2:20 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-10 To B.M. 47-9
Date 4-5-55
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
	5.682	13.337	129	3.217		5.038	83.395	129	3.215	
	5.553		129			4.909		129		
	5.424		258			4.780		258		
11	16.659	5.553		3.475		14.727	4.909		3.473	
	4.622		130			5.459		129		B.M. 47-9
	4.492		130			5.330		128		FOOTHILL BLVD. & EL CAMINO CORTO
	4.362		260			5.202		257		SEE F.B. 1368-15
12	13.476	4.492		3.735		15.991	5.330		3.730	FOR DESCRIPTION
										SUMMATION OF RUN B.M. 47-10 TO B.M. 47-9
										TOTAL BACKSIGHTS +23.382
										TOTAL FORESIGHTS -93.634
										DIFF IN ELEVATION -70.252
										F.B. 1368 P.G. 89
	23.382					93.634				

76P526 S & E #379 1-54

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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. 368 P.G. 90

76P526 S & E #379 1-54

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Chief of Party G. E. DREIER Weather HAZE Inst. No. 50010
Notes by G. E. DREIER Time 2:20 TO 2:55 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 030102
From B.M. 47-10 To OCEAN VIEW
Date 4-6-55
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
	6.132		186		#11	4.175		193		B.M. 47-10
	5.946		186			3.982		192		FOOTHILL BLVD & LITTLETON PL.
	5.760		372			3.790		385		SEE F.B. 1368-16
1	17.838	5.946		.372	75°	11.947	3.982		.385	FOR DESCRIPTION
	5.709		194			5.902		190		
	5.515		190			5.712		189		T E. LANDA
	5.325		384			5.523		379		
2	16.549	5.516		.756		17.137	5.712		.764	
	3.929		192			7.510		190		
	3.737		194			7.320		189		
	3.543		386			7.131		379		
3	11.209	3.736		1.142		21.961	7.320		1.143	
	2.411		193			8.291		191		
	2.218		192			8.100		190		
	2.026		385			7.910		381		
4	6.655	2.218		1.527		24.301	8.100		1.524	
	2.215		189			8.360		189		
	2.026		189			8.171		187		
	1.837		378			7.984		376		
5	6.078	2.026		1.905		24.515	8.172		1.900	
	19.442					33.286				

F.B. 1368 P.G. 91

76P526 S & E #379 1-54

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Chief of Party G. E. DREIER Weather HAZE-GUSTY Inst. No. 50010
Notes by G. E. DREIER Time 2:20 TO 2:55 Rod No. 11812

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From B.M. 47-10 To OCEAN VIEW
Date 4-6-55
Indexed R. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	1.860	19.442	165	1.905		8.159	33.286	175	1.900	
	1.695		165			7.984		173		
	1.530		330			7.811		348		
6	5.085	1.695		2.235		23.954	7.985		2.248	
	2.753		192			8.251		190		SUMMATION OF RUN
	2.561		190			8.061		189		B.M. 47-10 TO CITY L.A. AT OCEAN VIEW
	2.371		382			7.872		379		TOTAL BACKSIGHTS + 35.647
7	7.685	2.562		2.617		24.184	8.061		2.627	TOTAL FORESIGHTS − 66.453
	2.170		193			8.408		194		DIFF. IN ELEVATION − 30.806
	1.977		193			8.214		192		
	1.784		386			8.022		386		
8	5.931	1.977		3.003		24.644	8.215		3.013	
	2.811		210			5.539		209		CITY L.A.B.M.
	2.601		208			5.330		210		WIRE SPK IN S. CURB
	2.393		418			5.120		419		FOOTHILL BLVD, 30 FT. E. OF B.C.
9	7.805	2.602		3.421		15.989	5.330		3.432	
	7.583		214			3.780		204		OF CURB RET. OF OCEAN
	7.369		214			3.576		205		VIEW BLVD.
	7.155		428			3.371		409		
10	22.107	7.369		3.849		10.727	3.576		3.841	
		35.647					66.453			

F.B. 1368 P.G. 92

76P526 S & E #379 1-54

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Chief of Party G. E. DREIER Weather GUSTY-HAZE Inst. No. 50010
Notes by G. E. DREIER Time 2:55 TO 3:30 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From OCEAN VIEW To B.M. 47-10
Date 4-6-55
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
	3.750		204			7.553		214		CITY L.A. B.M.
	3.546		205			7.339		213		WIRE SPK IN S. CURB FOOTHILL
	3.341		409			7.126		427		BLVD. 30 FT. E. OF B.C. OF CURB
1	10.637	3.546		.409		22.018	7.339		.427	RET OF OCEAN VIEW BLVD.
	5.532		208			2.807		209		
	5.324		207			2.598		208		E. LANDA
	5.117		415			2.390		417		
2	15.973	5.324		.824		7.795	2.598		.844	
	8.400		190			2.161		192		
	8.210		191			1.969		190		
	8.019		381			1.779		382		
3	24.629	8.210		1.205		5.909	1.970		1.226	
	8.250		192			2.746		191		
	8.058		193			2.555		187		
	7.865		385			2.368		378		
4	24.173	8.058		1.590		7.669	2.556		1.604	
	8.020		173			1.724		166		
	7.847		173			1.558		168		
	7.674		346			1.390		334		
5	23.541	7.847		1.936		4.672	1.557		1.938	
		32985					16020			

F.B. 1368 P.G. 93

76P526 S & E #379 1-54

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Chief of Party G. E. DREIER Weather HAZE Inst. No. 50016
Notes by G. E. DREIER Time 2:55 TO 3:30 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From OCEAN VIEW To B.M. 47-10
Date 4-6-55
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
	8.219	32.985	189	1.936		2.072	16.620	190	1.938	
	8.030		189			1.882		187		
	7.841		378			1.695		377		
6	24.090	8.030		2.314		5.649	1.883		2.315	
	8.105		194			2.220		191		
	7.911		191			2.029		190		
	7.720		385			1.839		381		SUMMATION OF RUN
7	23.736	7.912		2.699		6.088	2.029		2.696	OCEAN VIEW TO B.M. 47-10
	7.341		191			3.759		194		TOTAL BACKSIGHTS +65.726
	7.150		190			3.565		192		TOTAL FORESIGHTS -34.915
	6.960		381			3.373		386		DIFF IN ELEVATION +30.811
8	21.451	7.150		3.080		10.697	3.566		3.082	
	5.830		190			5.633		191		
	5.640		189			5.442		190		
	5.451		379			5.252		381		
9	16.921	5.640		3.459		16.327	5.442		3.463	
	4.201		191			6.160		186		B.M. 47-10
	4.010		193			5.974		184		FOOTHILL BLVD & LITTLETON PL.
	3.817		384			5.790		370		SEE F.B. 1368-16
10	12.028	4.009		3.843		17.924	5.975		3.833	FOR DESCRIPTION
		65.726					34.915			

F.B. 1368 P.G. 94

76P526 S & E #379 1-54

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Chief of Party G. E. DREIER Weather HAZE Inst. No. 50010
Notes by G. E. DREIER Time 9:40 TO 10:20 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From OCEAN VIEW To FIRE STAT.
Date 3-24-55
Indexed J. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	9.409		206		#11	1.428		208		CITY OF L.A. B.M.
	9.203		203			1.220		204		WIRE SPK. IN S. CURB FOOTHILL
	9.000		409			1.016		412		BLVD, 30 FT. E. OF B.C. OF CURB
1	27.612	9.204		409		3.664	1.221		412	RET. OF OCEAN VIEW BLVD
	8.548		206			1.669		205		
	8.342		203			1.464		204		
	8.139		409			1.260		409		T. E. LANDA
2	25.029	8.343		818		4.393	1.464		821	
	8.718		190			2.045		192		
	8.528		186			1.853		189		
	8.342		376			1.664		381		
3	25.588	8.529		1.194		5.562	1.854		1.202	
	8.959		191			1.813		190		
	8.768		187			1.623		186		
	8.579		380			1.437		376		
4	26.306	8.769		1.574		4.873	1.624		1.578	
	7.653		193			3.113		192		
	7.460		190			2.921		189		
	7.270		383			2.732		381		
5	22.383	7.461		1.957		8.766	2.922		1.959	
		42.306					9.085			

F.B. 1368 P.G. 95

76P526 S & E #379 1-54

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Chief of Party G. E. DREIER Weather HAZE Inst. No. 50010
Notes by G. E. DREIER Time 9:40 TO 10:00 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From Ocean View To Fire Sta
Date 3-24-55
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.325	42.306	193	1.957		4.623	[illegible]	190	1.959	
	5.132		192			4.432		188		
	4.940		385			4.244		378		
6	15.397	5.132		2.342		13.298	[illegible]		3.337	Summation of Run
	5.213		191			3.709		194		
	5.022		189			3.515		192		Total Backsights = [illegible]
	4.833		380			3.323		386		Total Foresights = [illegible]
7	15.068	5.023		2.722		10.547	[illegible]		[illegible]	Diff. in Elev = + 47.180
	6.268		191			2.352		193		
	6.077		191			2.160		189		
	5.886		382			1.971		381		
8	18.231	6.077		3.104		6.483	2.161		3.104	
	5.992		091			3.512		092		BRASS DISC IN CONC. MON. STAMPED "COUNTY SURVEYOR" 1ST. NE OF STONE, 6 FT. E. OF E. SIDE L. A. CO. FIRE STATION
	5.901		090			3.420		090		
	5.811		181			3.330		182		
9	17.704	5.901		3.285		10.262	[illegible]		3.286	
	7.440		117			2.081		114		# 2541 FOOTHILL BLVD. 20' N. OF N. CURB OF FOOTHILL
	7.323		115			1.967		115		
	7.209		238			1.852		229		
10	21.972	7.324		3.515		5.900	[illegible]		3.515	
		71.763					24.583			

F.B. 136.8 P.G. 96

76P526 S & E #379 1-54

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Chief of Party G. E. DREIER Weather HAZE Inst. No. 50010
Notes by G. E. DREIER Time 11:25 TO 11:55 Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From FIRE STAT. To OCEAN VIEW.
Date 3-24-55
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
	1.101		134		#11	6.451		130		CITY L.A. BLDG.
	0.967		135			6.321		128		BRASS DISC IN CONC. MON.
	0.832		.269			6.193		258		STAMPED "COUNTY SURVEYOR"
1	2.900	0.967		.269		18.965	6.322		.258	1' N.E. OF STONE WALL, 6' E. OF
	3.635		093			6.114		.090		E. SIDE L.A. CO. FIRE STAT. #254
	3.542		091			6.024		.089		FOOTHILL BLVD., 20' N. OF N. CURB
	3.451		184			5.935		179		OF FOOTHILL BLVD.
2	10.628	3.543		.453		18.073	6.024		.437	
	2.608		191			6.526		191		⊼ E. LANDA
	2.417		190			6.335		190		
	2.227		381			6.145		.381		
3	7.252	2.417		.834		19.006	6.335		.818	
	3.692		192			5.201		191		
	3.500		191			5.010		191		
	3.309		383			4.819		382		
4	10.501	3.500		1.217		15.030	5.010		1.200	
	4.656		191			5.359		195		
	4.465		188			5.164		191		
	4.277		379			4.973		386		
5	13.398	4.466		1.596		15.496	5.165		1.586	
		14.893					28.856			

F.B. 1368 P.G. 97

76P526 S & E #379 1-54

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Chief of Party G. E. DREIER Weather HAZE Inst. No. 99010
Notes by G. E. DREIER Time 11:25 TO 11:55 Rod No. 11812

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From FIRE STAT. To OCEAN VIEW
Date 3-24-55
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
	3.072	1.893	191	1.596		7.612	2.356	192	1.586	
	2.881		190			7.420		190		
	2.691		387			7.230		382		
6	8.644	2.881		1.977		22.262	7.421		1.968	
	1.860		190			9.008		191		
	1.670		189			8.817		189		
	1.481		379			8.628		380		
7	5.011	1.670		2.358		26.453	8.818		2.348	SUMMATION OF RUN
	2.169		192			8.840		189		
	1.977		191			8.651		187		TOTAL BACKSIGHTS +24.463
	1.786		383			8.464		376		TOTAL FORESIGHTS - 71.654
8	5.933	1.977		2.744		25.956	8.652		2.724	DIFF IN ELEVATION 47.191
	1.692		204			8.573		204		
	1.488		207			8.369		204		
	1.281		411			8.165		408		
9	4.461	1.489		3.157		25.107	8.369		3.132	L.A. CITY B.M.
	1.755		200			9.748		210		WIRE SPK IN S. CURB FOOTHILL
	1.555		199			9.538		210		BLVD, 30' E. OF B.L. OF S.R. TO
	1.356		399			9.328		420		OCEAN VIEW BLVD
10	4.666	1.555		3.554		28.614	9.538		3.552	
		24.463					71.654			

F.B. 1368 P.G. 98

76P526 S & E #379 1-54

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: G. E. DREIER
Notes by: G. E. DREIER
Weather: HAZE
Time: 10:20 TO 10:55
Inst. No. 50010
Rod No. 11912

Name: L. A. CO. PRECISE LEVEL NET.
Job No. 030102
From: FIRE STAT. To: LA CRESENTA
Date: 3-24-55
Indexed: E. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.072		153		11	2.231		152		CITY L.A.B.M.
	3.919		153			2.079		150		BRASS DISC IN CONC. MON.
	3.766		306			1.929		302		STAMPED "COUNTY SURVEYOR"
1	11.757	3.919		.306		6.239	2.080		.302	1'N. E. OF STONE WALL, 6'E. OF
	8.169		190			2.784		194		E. SIDE L.A. CO. FIRE STAT. #2541
	7.979		188			2.590		192		FOOT HILL BLVD., 20'N. OF N.
	7.791		378			2.398		386		CURB OF FOOTHILL BLVD.
2	23.939	7.980		.684		7.772	2.591		.688	
	8.840		190			1.567		190		
	8.650		190			1.377		189		⊼ E. LANDA
	8.460		380			1.188		379		
3	25.950	8.650		1.064		4.132	1.377		1.067	
	7.519		191			4.521		191		
	7.328		192			4.330		189		
	7.136		383			4.141		380		
4	21.983	7.328		1.447		12.992	4.331		1.447	
	6.002		191			4.629		190		
	5.811		190			4.439		190		
	5.621		381			4.249		380		
5	17.434	5.811		1.828		13.317	4.439		1.827	
		33.688					14.818			

F.B. 1368 P.G. 79

76P526 S & E #379 1-54

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ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather HAZE Inst. No. 50010
Notes by G. E. DREIER Time 10:20 TO 10:55 Rod No. 11812

Name L. A. CO. PRECISE LEVEL NET
Job No. C301.02
From FIRE STAT. To LA CRESENTA AVE.
Date 3-24-55
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.971	33.688	192	1.828		4.044	[illegible]	180	1.527	
	5.779		188			3.850		187		
	5.591		380			3.662		378		
6	17.341	5.780		2.208		11.556	[illegible]		2.205	
	5.483		188			4.625		191		
	5.295		186			4.434		190		
	5.109		374			4.244		381		
7	15.887	5.296		2.582		13.303	4.434		2.586	
	6.210		191			4.441		187		
	6.019		189			4.254		187		
	5.830		380			4.067		374		
8	18.059	6.020		2.962		12.762	4.254		2.960	(L.A. CITY B.M.)
	5.260		194			2.606		196		C.SPK IN S.W. COR. C.B., 1.1' W.
	5.066		195			2.404		195		OF W. CURB TO LA CRESENTA AVE
	4.871		389			2.209		1391		4' N. OF CURB B.C. NORTH OF
9	15.197	5.066		3.351		7.213	2.404		3.351	FOOT HILL BLVD.
										SUMMATION OF RUN
										FIRE STAT. TO LA CRESENTA AVE
										TOTAL BACKSIGHTS +55.850
										TOTAL FORESIGHTS -29.763
		55.850					29.763			DIFF IN ELEV. +26.087

F.B. 1368 P.G. 100

76P526 S & E #379 1-54

PLEASE RETURN TO
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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather HAZE Inst. No. 50010
Notes by G. E. DREIER Time 10:55 TO 11:25 Rod No. 11 & 12

L. A. CO. PRECISE LEVEL NET
Name
Job No 0301.02
From LA CRESENTA AVE To FIRE STAT.
Date 3-24-55
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
	2.631		196			5.291		194		CITY L.A. B.M.
	2.435		195			5.097		196		CUT SPK. IN S.W. COR. C.B.
	2.240		391			4.901		390		1.1' W OF W. CURB TO LA CRESENTA
1	7.306	2.435		.391		15.289	5.096		.390	AVE, 4' N OF CURB E.C. NORTH
	4.500		188			6.270		191		OF FOOTHILL BLVD.
	4.312		190			6.079		189		
	4.122		378			5.890		380		
2	12.934	4.311		.769		18.239	6.080		.770	↑ E. LANDA
	4.641		191			5.501		189		
	4.450		190			5.312		188		
	4.260		381			5.124		377		
3	13.351	4.450		1.150		15.937	5.312		1.147	
	4.122		190			6.050		191		
	3.932		188			5.859		189		
	3.744		378			5.670		380		
4	11.798	3.933		1.528		17.579	5.860		1.527	
	4.635		190			6.010		193		
	4.445		189			5.817		191		
	4.256		379			5.626		384		
5	13.336	4.445		1.907		17.453	5.818		1.911	
		19.574					28.166			

F.B. 1368 P.G. 101

76P526 S & E #379 1-54

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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G. E. DREIER Weather HAZE Inst. No. 50010
Notes by G. E. DREIER Time 10:55 TO 11:[illegible] Rod No. 11 & 12

Name L. A. CO. PRECISE LEVEL NET
Job No. 0301.02
From LA CRESENTA AVE To FIRE STAT.
Date 3-24-55
Indexed L. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.537	4.574	191	1.907		7.53[illegible]	[illegible].66	194	1.911	
	4.346		189			7.343		191		
	4157		380			7.152		385		
6	13.040	4.347		2.287		22.033	[illegible]		2.296	
	1.530		190			8.862		189		SUMMATION OF RUN
	1.340		190			8.673		189		
	1.150		380			8.484		378		TOTAL BACKSIGHTS +29.971
7	4.020	1.340		2.667		25.839	[illegible]		2.674	TOTAL FORESIGHTS -56.062
	2.781		194			8.165		187		DIFF IN ELEVATION -26.091
	2.587		190			7.978		188		
	2.397		384			7.790		375		
8	7.765	2.588		3.051		23.933	[illegible]		3.049	
	2.273		152			4.115		155		BRASS DISC IN CONC. MON.
	2.121		150			3.960		151		STAMPED "COUNTY SURVEYOR"
	1.971		302			3.809		306		1' N.E. OF STONE WALL, 6' E OF E. SIDE
9	6.365	2.122		3.353		11.884	[illegible]		3.555	OF LA. CO. FIRE STAT. # 2541 FOOTHILL
										BLVD., 20 FT. N. OF N. CURB OF
										FOOTHILL BLVD.
		29.971					56.062			

F.B. 1368 P.G. 102

F.B. 1368 Pg. 105

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

SURVEY BY G.E. DREIER WEATHER INST. NO. 96716

NOTES BY DATE JUNE 1966 TIME ROD NO. 9819

INDEXED C. J. GALLI DATE JUL 6 '68 NOTES CHKD DATE

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	RIGHT	MIC.	LEFT.	STADIA
							L.A. CO. PRECISE LEVEL NET
							JOB NO. 0301.02
							LINE NO. 47 1966 RERUN
							REFERENCES, DESCRIPTIONS
							F.B. 1368-5 TO 17
							F.B. 3713-211 TO 232
							DREIER
							WILKS
							SIEMANN
							McKNIGHT

FROM TO

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

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76P526 CE # 308 3-61

F.B. 1368 PG. 106 JOB NO. 0301.02

SURVEY OF L.A.Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES DREIER

INDEXED C. J. GALLI DATE

WEATHER INST. NO. 96716

TIME ROD NO. 9 & 19

NOTES CHKD DATE

LINE NO. 47 SEE F.B. 3713-212 FOR ROUTE SKETCH

BEGINNING AT LINE NO. 24, AT LINCOLN AVE. AND VENTURA ST; W'LY ON VENTURA ST. TO WINSOR AVE; WESTERLY ACCROSS ARROYO SECO TO MICHIGAN AVE; TO FOOTHILL BLVD.; AND NORTHWESTERLY ON FOOTHILL BLVD TO L.A.CITY B.M. AT LA CRESCENTA AVE.

DREIER
WILKS

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM ___ TO ___

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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76P526 CE # 308 3-61

PLEASE RETURN TO
L[illegible] ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

[illegible]E: ANY ADDITIONS OR CHANGES [illegible]HIS SHEET MUST BE MADE OR [illegible]LED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

41.1
.45
.85+
2.35+

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 24-19 TO B.M. 47-1
B.M. 24-19									B.M. 24-19 (ALTADENA F-2)
1.	228	110	529 5	265/190 75	166	400	467 5	204/129 75	LINCOLN AVE & VENTURA ST.
									SEE F.B. 1387-23
2.	81	390	382 5	120/42 78	212	820	513 5	251/173 78	
				153				153	
3.	109	960	410 5	150/68 82	189	082	490 5	231/147 84	
				235				237	
4.	86	932	387 5	123/50 73	236	500	537 5	273/200 73	⊼ = WILKS
				308				310	
5.	94	415	395 5	125/63 62	165	092	466 5	195/136 59	NOTE: SEE F.B. 3753-103 TO 110
				370				369	FOR ADDITTIONAL DIFFERENCES
6.	123	165	424 5	159/87 72	150	733	451 5	186/115 71	IN ELEV. OF B.M.'S IN LINE No. 24.
				442				440	LINE 47 RUN CONSECTIVE
7.	191	093	492 5	194/188 6	176	614	477 5	179/172 7	TO LINE 24
				448 ✓				447 ✓	
B.M. 47-1								448 ✓	
	915	065 ✓			1297	241 ✓		895 ✓	
					915	065 ✓			B.M. 47-1
				-	382	176 ✓			VENTURA ST. & STERLING PL.
									SEE F.B. 1368-7

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G. DREIER
NOTES BY J. C. GOODWIN DATE 6-22-66
INDEXED G. J. GALLI DATE
WEATHER SUNNY INST. NO. 96716
TIME 10:35 TO 11:20 ROD NO. 9819
NOTES CHKD [illegible] DATE JUL 25 '66

F.B. 1368 Pg. 107

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 47-1 TO B.M. 24-19
B.M. 47-1									B.M. 47-1
1	138	290	439 5	147 129 18	143	200	444 5	152 134 18	VENTURA ST. & STERLING PL. SEE F.B. 1368-7
2	174	300	475 5	221 127 94 112	104	127	405 5	151 57 94 112	⊼ WILKS
3	202	328	503 5	239 165 74 186	47	415	348 5	84 10 74 186	
4	186	975	487 5	234 138 96 282	107	800	408 5	155 59 96 282	
5	194	040	495 5	230 159 71 353	93	138	394 5	129 58 71 353	
6	181	700	482 5	208 154 54 407	135	390	436 5	162 108 54 407	
7	130	968	431 5	149 111 38 445	195	363	496 5	214 177 37 444	
B.M. 24-19								445	B.M. 24-19 (ALTADENA F-2)
	1208	601			826	433		889	LINCOLN AVE & VENTURA ST SEE F.B. 1387-23
	826	433							
	+ 382	168							

F.B. 1368 PG. 108 JOB NO. 0301.02

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES DREIER 6-28-66

INDEXED C. J. GALLI DATE

WEATHER HAZY SUN INST. NO. 96716

TIME 10:05 TO 10:35 ROD NO. 9819

NOTES CHKD [signature] DATE JUL 25 '66

76P526 CE # 308 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

[illegible]E: ANY ADDITIONS OR CHANGES [illegible]HIS SHEET MUST BE MADE OR [illegible]ED IN RED INK. WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G. DEETER
NOTES BY J.C. GOODWIN DATE 6-22-66
INDEXED C.J. WILLS DATE
WEATHER SUNNY
TIME 11:25 TO 11:35
NOTES CHKD. [illegible] DATE JUL 25 '66
INST. NO. 26716
ROD NO. 9519
F.B. 1368 PG. 109

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM B.M. 47-1 TO B.M. 47-2
B.M. 47-1									B.M. 47-1
1.	83	470	384 5	102/65 37	134	210	435 5	154/114 40	VENTURA ST. & STERLING PL.
									SEE F.B. 1368-7
2	84	140	385 5	99/70 29	260	930	561 5	276/244 32	
				66				72	
3.	15	111	316 5	23/7 16	294	048	595 5	302/285 17	
				82				89	
4.	14	106	315 5	21/6 15	298	796	599 5	½ 298/290 16	⊼ = WILKS
				97				105	
5.	11	160	312 5	20/3 17	285	680	586 5	293/277 16	
				114				121	
6.	26	000	327 5	36/17 19	284	280	585 5	293/274 19	
				133				140	
7.	17	227	318 5	28/6 22	287	812	588 5	297/277 20	
				155				160	
8.	11	844	312 5	½ 23/11 24	296	762	597 5	½ 296/285 22	
				179				182	
9.	7	231	308 5	½ 20/7 ~~28~~	296	434	597 5	½ 296/285 22	
				~~208~~				204	+ 603.463
10.	38	075	339 5	46/30 16	300	488	601 5	½ 300/292 16	− 3588.436
				227				220	− 2984.973
11.	9	850	310 5	½ 33/9 46	300	590	601 5	½ 300/275 50	
				273				270	
12.	46	831	347 5	½ 76/46 60	263	282	564 5	293/233 60	
				308				330	
13.	12	680	313 5	½ 44/12 64	204	234	505 5	236/172 64	B.M. 47-2 (B.M. "A")
				372				394	S.W. OF VENTURA ST. & WINDSOR AVE.
14	225	698	526 5	248 / 218 30 / 428	80	890	381 5	24 / 66 42 / 428	SEE F.B. 1368-8
B.M. 47-2	603	463			3588	436			~~594~~ 843

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STATION	BACKSIGHT RIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM B.M. 47-2 TO B.M. 47-1
BM 47-2	977 6			45686			B.M. 47-2 (B.M. "A")
1	112 924	413 5	½ 112 / 121 18	193 578	494 5	184 / 203 19	S.W. OF VENTURA ST. & WINDSOR AVE.
2	137 820	438 5	95 / 178 83 / 101	72 441	373 5	31 / 184 83 / 102	SEE F.B. 1368-8
3	255 955	556 5	221 / 288 67 / 168	5 381	306 5	½ 5 / 36 62 / 164	
4	270 450	571 5	254 / 286 32 / 200	4 386	305 5	½ 4 / 23 38 / 202	
5	275 980	576 5	281 / 269 12 / 212	30 574	331 5	35 / 24 11 / 213	
6	257 033	558 5	263 / 249 14 / 226	52 224	353 5	59 / 45 14 / 227	
7	285 935	586 5	296 / 275 21 / 247	21 020	322 5	31 / 10 21 / 248	
8	292 856	593 5	302 / 282 20 / 267	15 480	316 5	25 / 5 20 / 268	
9	289 035	590 5	300 / 279 21 / 288	11 944	312 5	28 22 / 290	
10	293 047	594 5	305 / 283 22 / 310	3 485	304 5	½ 13 / 3 20 / 310	
11	300 180	601 5	½ 300 / 291 18 / 328	4 706	305 5	½ 13 / 4 18 / 328	
12	299 523	600 5	½ 299 / 290 18 / 346	7 281	308 5	½ 16 / 7 18 / 346	
13	298 192	599 5	½ 298 / 285 26 / 372	42 818	343 5	55 / 28 27 / 373	
14	173 100	474 5	200 / 147 53 / 425	103 157	404 5	130 / 77 53 / 426	
15	146 110	447 5	152 / 140 12 / 437	134 338	435 5	139 / 129 10 / 436	
	3688 140 ✓			702 813 ✓		437 / 873	
B.M. 47-1	702 813 ✓						B.M. 47-1 VENTURA ST & STERLING PL. SEE F.B. 1368-7
	2985 327 ✓						

F.B. 1368 PG. 110

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES WILKS (6-28-66)

INDEXED C. J. GALLI DATE

JOB NO. 0301.02

WEATHER HAZY INST. NO. 96716

TIME 9:15 - ROD NO. 9819

NOTES CHKD. [illegible] DATE JUL 25 '66

76P526 CE # 308 3-61

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

SURVEY BY G. E. DREIER WEATHER HAZY INST. NO. 9676

NOTES BY WICKS DATE 6-22-66 TIME 1:45-2:30 ROD NO. 9819

INDEXED C. J. GALLI DATE NOTES CHKD [illegible] DATE JUL 25 '66

F.B. 1368 PG. 111

STATION	BACKSIGHT RIGHT	MIC.	LEFT.	STADIA		FORESIGHT RIGHT	MIC.	LEFT.	STADIA		DESCRIPTION AND REMARKS
											FROM BM 47-2 TO BM 47-3
BM 47-2											BM 47-2 (B.M. "A")
1	69	269	370 5	60 / 78	18	233	408	534 5	224 / 242	18	S.W. OF VENTURA ST. & WINDSOR AVE
											SEE F.B. 1368-8
2	151	149	452 5	132 / 170	38	250	297	551 5	229 / 272	43	
					56					61	
3	116	612	417 5	94 / 138	44	285	603	586 5	259 / 284	50	
					100					111	
~~4~~	~~285~~	~~603~~	~~586 5~~	~~1/2 259 / 284~~	~~5~~						
4 ~~5~~	22	084	323 5	1/2 22 / 40	36	258	194	559 5	244 / 273	29	
					136					140	
5 ~~6~~	98	910	399 5	76 / 120	44	200	654	501 5	180 / 220	40	
					180					180	
6	112	497	413 5	92 / 132	40	187	579	488 5	164 / 209	46	
					220					226	
7	205	121	506 5	181 / 229	48	158	413	459 5	135 / 181	46	
					268					272	
8	177	503	478 5	166 / 188	22	47	717	348 5	37 / 57	20	
					290					292	
9	198	157	499 5	185 / 211	26	182	472	483 5	170 / 194	24	
					316					316	
10	147	349	448 5	130 / 164	34	95	090	396 5	77 / 113	36	
					350 ✓					352 ✓	
BM 47-3										350 ✓	BM 47-3
	1298	651 ✓				1899	427 ✓			702	ON E. SIDE OF OAK GROVE PARK
						1298	651 ✓				SEE F.B. 1368-9
					–	600	776 ✓				

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. NO. 96716 ROD NO. 9819 DATE JUL 25 '66

WEATHER Hazy TIME 2:35 - 3:30 NOTES CHKD

JOB NO. 030102 SURVEY OF L.A. Co. PRECISE LEVEL NET SURVEY BY G.E.D. NOTES D.L.W. 6-22-66 INDEXED C. J. CALLI DATE

F.B. 1368 PG. 112

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM BM 47-3 TO BM 47-2
BM 47-3									BM 47-3
1	95	128 ~~090~~	77 396 5 ~~775~~ ~~36~~	77 113 36	156	382	457 5	143 170 27	ON E. SIDE OF OAK GROVE PARK
				173				72	SEE F.B. 1368-9
2	194	165	495 5	215 42	97	568	398 5	122 50	
				202 78				36 77	
3	228	120	529 5	254 52	64	502	365 5	92 56	
				½253 130				106 133	
4	280	344	581 5	280 54	133	329	434 5	160 54	
				42 184				218 187	
5	49	984	350 5	56 14	226	860	527 5	334 16	
				60 198				257 203	
6	68	955	369 5	76 16	264	455	565 5	271 14	
				108 214				139 217	
7	124	779	425 5	140 32	158	900	459 5	177 38	
				100 246				½12 255	
8	118	398	419 5	136 36	12	903	313 5	25 26	
				½289 282				23 281	
9	300	652	601 5	300 22	34	668	335 5	45 22	
				251 304				125 303	
10	266	527	567 5	281 30	141	228	442 5	156 31	
				132 334				½14 334	
11	147	908	448 5	162 30	14	856	315 5	31 34	
				170 364				140 368	
12	174	787	475 5	178 8	143	315	444 5	146 6	
				372				374	
BM 47-2								372	BM 47-2
	2049 747				1448 966			746	S.W. OF VENTURA ST. & WINDSOR AVE.
	1448 966								SEE F.B. 1368-8
+	600 781								

76P526 CE # 308 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G.E. DREIER
NOTES BY SIEMANN DATE 6-23-66 WEATHER HAZY SUN INST. NO. 96716
TIME 09:25 TO 10:00 ROD NO. 9819
INDEXED C.J. GALLI DATE NOTES CHKD. DATE JUL 25 '68
F.B. 1368 PG. 113

STATION	BACKSIGHT Right Mic.	BACKSIGHT Left.	BACKSIGHT Stadia	FORESIGHT Right Mic.	FORESIGHT Left.	FORESIGHT Stadia	DESCRIPTION AND REMARKS
							FROM B.M. 47-3 TO B.M. 47-4
B.M. 47-3							B.M. 47-3
1	224900 (4)	5255	247 200 47	69966 (0)	3705	94 44 50	E. SIDE OF OAK GROVE PARK
							SEE F.B. 1368-9
2	259810	5605	284 235 49 / 96	30999	3315	56 4 52 / 102	
3	294420	5955	306 281 25 / 121	4000	3055	½ 16 4 24 / 126	π WILKS
4	301580	6025	½ 301 289 24 / 145	3962	3045	½ 12 3 18 / 144	
5	288394	5895	297 279 18 / 163	3492	3045	½ 11 3 16 / 160	
6	297300	5985	½ 297 277 40 / 203	90578	3915	110 71 39 / 199	
7	256710	5575	296 216 80 / 283	10380	3115	½ 52 10 84 / 159	
				146280	4475	133 283	
8	191514	492	204 179 25 / 308			26 / 309	
						308	B.M. 47-4
B.M. 47-4						617	MICHIGAN AVE & VIRO RD
	2114628			359657			SEE F.B. 1368-10
	-359657						
	+1754971						

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 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. 1368 Pg. 114 JOB NO. 0301.02

SURVEY OF L.A.Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES DREIER 6-27-66

INDEXED C. J. GALL DATE

WEATHER HAZY SUN INST. NO. 96716

TIME 2:37 TO 3:25 ROD NO. 9 #19

NOTES CHKD DATE JUL 25 68

HOT

STATION	BACKSIGHT RIGHT	MIC.	LEFT	STADIA	FORESIGHT RIGHT	MIC.	LEFT	STADIA	DESCRIPTION AND REMARKS FROM B.M. 47-4 TO B.M. 47-3
B.M. 47-4									B.M. 47-4
1	54260	355	5	84 23 61	231 045	532	5	261 201 60	MICHIGAN AVE & VIRO RD. SEE F.B. 1368-10
2	85216	386	5	114 56 58 119	220 480	521	5	249 191 58 118	
3	35160	336	5	52 18 34 153	290 647	591	5	307 274 33 151	T WILKS
4	32040	333	5	41 23 18 171	296 794	597	5	306 286 20 171	
5	8724	309	5	118 28 20 191	284 483	585	5	294 274 20 191	
6	23500	324	5	33 12 21 212	267 288	568	5	277 256 21 212	
7	26400	327	5	44 9 35 247	193 602	494	5	210 175 35 247	
8	47351	348	5	60 34 26 273	213 633	514	5	227 200 27 274	
9	116728	417	5	134 98 36 309	186 235 ✓	487	5	204 168 36 310 ✓	
B.M. 47-3	429379 ✓				2184207 ✓			309 619	B.M. 47-3 E. SIDE OAK GROVE PARK SEE F.B. 1368-9
					429379 ✓				
					1754828 ✓				

76P526 CE # 308 3-61

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

E: ANY ADDITIONS OR CHANGES HIS SHEET MUST BE MADE OR CLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

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

SURVEY BY G.E. DREIER DATE 6-23-66 WEATHER HAZY SUN INST. NO. 26716

NOTES BY G.E. DREIER TIME 10:00 TO 11:15 ROD NO. 9817

INDEXED C.J. GALLI DATE NOTES CHKD. DATE JUL 25 '66

F.B. 1368 PG. 115

STATION	BACKSIGHT Right Mic.	BACKSIGHT Left	BACKSIGHT Stadia	FORESIGHT Right Mic.	FORESIGHT Left	FORESIGHT Stadia	DESCRIPTION AND REMARKS
							From B.M. 47-4 To B.M. 47-5
B.M. 47-4				44 274			B.M. 47-4
1	232 355	533 5	271 194 77		345 5	83 5 78	MICHIGAN AVE & VIRO RD.
							SEE F.B. 1368-10
2	231 435	532 5	249 214 35 112	4 542	305 5	½ 20 4 32 110	
3	301 274	602 5	½ 301 293 16 128	4 467	305 5	½ 11 4 14 124	WILKS
4	296 283	597 5	½ 296 291 10 138	5 394	306 5	½ 10 5 10 134	
5	294 814	595 5	299 289 10 148	3 548	304 5	½ 8 3 10 144	
6	298 848	599 5	½ 298 293 10 158	5 947	306 5	½ 10 5 10 154	
7	301 064	602 5	½ 301 296 10 168	2 868	303 5	½ 8 2 12 166	
8	291 762	592 5	296 286 10 178	3 456	304 5	½ 9 3 12 178	
9	300 074	601 5	½ 300 292 16 194	38 552	339 5	46 30 16 194	
10	121 590	422 5	148 94 54 248	187 820	488 5	214 160 54 248	
11	81 480	382 5	102 60 42 290	265 364	566 5	288 242 46 294	
~~12~~							
12	35 157	336 5	50 20 30 320	264 966	565 5	278 250 28 322	
13	38 376	339 5	51 26 25 345	266 370	567 5	278 254 24 346	
14	36 792	337 5	68 4 64 409	200 014	561 5	231 169 62 408	B.M. 47-5
						409	FOOTHILL BLVD. & GEORGIAN RD
B.M. 47-5	2861 304			1297 582		817	SEE F.B. 1368-11
	1297 582						
+	1563 722						

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 47-5 TO B.M. 47-4
B.M. 47-5									B.M. 47-5
1	201	573	502 5	235 166 69	7	147	308 5	1 40 2 7 66	FOOTHILL BLVD. & GEORGIAN RD. SEE F.B. 1368-11
2	266	608	567 5	276 256 20 89	51	417	352 5	63 39 24 90	
3	274	173	575 5	290 258 32 121	39	320	340 5	55 23 32 122	⊼ WILKS
4	273	145	574 5	306 241 65 186	95	530	396 5	127 63 64 186	
5	220	881	521 5	241 199 42 228	301	591	602 5	1 301 2 283 36 222	
6	46	413	347 5	52 40 8 236	298	752	599 5	304 292 12 234	
7	38	510	339 5	43 34 9 245	299	174	600 5	305 293 12 246	
8	9	984	310 5	13 5 8 253	300	003	601 5	1 300 2 295 10 256	
9	5	823	306 5	9 0 9 262	301	892	602 5	1 301 2 296 10 266	
10	5	828	306 5	10 0 10 272	291	352	592 5	296 286 10 276	+ 1571,921 ✓
11	8	623	309 5	13 3 10 282	291	557	592 5	296 285 11 287	− 3135,253 ✓
									− 1563,332 ✓
12	6	716	307 5	13 0 13 295	259	654	560 5	266 252 14 301	
13	3	634	304 5	1 23 2 3 40 335	227	818	528 5	245 209 36 337	
14	75	820	376 5	102 48 54 389	197	323	498 5	222 172 50 389	
15	134	190	435 5	143 126 17 406	172	723	473 5	181 164 17 404	✓ B.M. 47-4
	1571	921 ✓			3135	253 ✓		406 810	✓ MICHIGAN AVE & VIRO RD. ✓ SEE F.B. 1368-10

F.B. 1368 PG. 116

SURVEY OF L.A. Co PRECISE LEVEL NET

SURVEY BY DREIER NOTES DREIER 6-27-66

INDEXED C. J. GALLI DATE

JOB NO. 0301.02

WEATHER HAZY

TIME 11:15 TO

NOTES CHKD. [illegible]

INST. NO. 96716

ROD NO. 9819

DATE JUL 25 [illegible]

76P526 CE # 308 3-61

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

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Do not extend notes this side of this line.

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

SURVEY BY G. E. DREIER DATE 6-27-66 WEATHER Mcld Smog INST. NO. 96716

NOTES BY K. LUCS TIME 1:30-2:30 ROD NO. 9815

INDEXED G. J. GALL DATE NOTES CHKD. DATE 11-25-66

F.B. 1368 PG. 117

STATION	BACKSIGHT Right	Mic.	Left	Stadia		FORESIGHT Right	Mic.	Left	Stadia		DESCRIPTION AND REMARKS
RERUN											FROM BM 47-5 TO BM 47-4
BM 47-5				238		18			½ 7		BM 47-5
1	204	340	505 5	170	68	7	470	308 5	41	68	FOOTHILL BLVD. & GEORGIAN RD.
				247					34		SEE F.B. 1368-1
2	255	803	556 5	263	16	49	055	350 5	62	26	
				267	84				33	94	
3	282	999	583 5	298	31	49	840	350 5	65	32	F.S. − 3138.573 ✓
				253	115				98	126	B.S. + 1575.035 ✓
4	280	029	581 5	308	55	120	005	421 5	143	45	− 1563.538 ✓
				200	170				138	171	
5	225	067	526 5	250	50	163	962	464 5	188	50	
				42	220				291	221	
6	49	916	356 5	56	14	297	810	598 5	303	12	
				0	234				294	233	
7	6	380	307 5	12	12	300	586	601 5	306	12	
				2	246				296	245	
8	7	576	308 5	12	10	301	983	602 5	306	10	
				3	256				291	255	
9	8	184	309 5	12	9	295	622	596 5	299	8	
				0	265				292	263	B.S. STADIA 407 ✓
10	5	785	306 5	10	10	297	597	598 5	302	10	F.S. " 407 −
				15	275				290	273	814 ✓
11	20	391	321 5	25	10	295	282	596 5	300	10	
				4	285				287	283	
12	10	481	311 5	16	14	294	641	595 5	301	14	
13	6	602	307 5	½ 6	299	260	673	561 5	245	297	
				19					275		
14	89	250	390 5	65	20	206	257	507 5	183	30	
				113	325					327	
15	122	232	423 5	105	48	197	790	498 5	229	46	
				139	373				180	373	BM 47-4
					34				214	34	MICHIGAN AVE. & VIRO RD.
BM 47-4	1575 035 ✓				407	3138 573 ✓				407 ✓	SEE F.B. 1368-10

F.B. 1368 Pg. 118 JOB NO. 0301.02

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY NOTES

INDEXED C. J. GALLI DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD DATE

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM TO

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

N[illegible]E: ANY ADDITIONS OR CHANGES [illegible]HIS SHEET MUST BE MADE OR [illegible]ED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

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

SURVEY BY G.E. DREIER

NOTES BY WILKS

DATE 6-23-66

WEATHER WARM

TIME 11:05 11:55

INDEXED G. J. GALLI

DATE

NOTES CHKD

DATE JUL 25 '68

INST. NO. 86716

ROD NO. 9819

F.B. 1368 PG. 119

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM B.M. 47-5 TO B.M. 47-6
B.M. 47-5	4			½ 282				21	B.M. 47-5
1	301	619	602 5	301 38	40	595	341 5	59 38	FOOTHILL BLVD. & GEORGIAN RD.
				½ 269				½ 21	SEE F.B. 1368-11
2	287	790	588 5	287 36	21	559	322 5	43 44	
				257 74				16 82	
3	274	502	575 5	291 34	30	708	331 5	45 29	
	299	221		½ 277 108				2 111	
4	~~24~~	~~492~~	600 5	299 44	24	492	325 5	44 42	
				½ 268 152				8 153	
5	295	461	596 5	295 54	35	499	336 5	62 54	
				½ 251 206				½ 8 207	
6	283	425	584 5	283 64	8	461	309 5	40 64	
				½ 271 270				½ 10 271	
7	296	439	597 5	296 50	10	010	311 5	35 50	
				267 320				61 321	
8	285	391	586 5	302 35	80	960	381 5	99 38	
				239 355				223 359	
9	252	230	553 5	266 27	235	252	536 5	247 24	
				382				383	
BM 47-6								382	BM 47-6
	2576	078 ✓			487	536 ✓		765	FOOTHILL BLVD. & OAKWOOD AVE.
	487	536 ✓							SEE F.B. 1368-12
+	2088	542 ✓							

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM B.M. 47-6 TO B.M. 47-5
B.M. 47-6									B.M. 47-6
1	80	377	381 5	58 / 102 44	285	073	586 5	1/2 263 / 285 44	FOOTHILL BLVD. & OAKWOOD AVE.
									SEE F.B. 1368-12
2	12	660	313 5	1/2 12 / 37 50	299	552	600 5	1/2 277 / 299 44	
				5 / 61 94 / 56				1/2 263 / 291 88 / 56	
3	33	022	334 5	1/2 20 / 49 150 / 58	291	417	592 5	1/2 258 / 287 144 / 58	
4	20	034	321 5	20 / 68 208 / 48	287	257	588 5	1/2 279 / 301 202 / 44	
5	44	791	345 5	16 / 50 256 / 34	301	130	602 5	1/2 270 / 290 246 / 40	
6	33	511	334 5	15 / 51 290 / 36	290	671	591 5	1/2 278 / 296 286 / 36	
7	33	838	334 5	51 / 83 326 / 32	296	046	597 5	246 / 282 322 / 36	
8	67	736	368 5	76 / 88 358 / 24	264	651	565 5	175 / 187 358 / 24	
9	82	881	383 5	382	181	501	482 5	382	
BM 47-5								382	BM 47-5
	408	850			2497	298		764	FOOTHILL BLVD. & GEORGIAN RD.
					408	850			SEE F.B. 1368-11
					2088	448			

WEATHER HAZY INST. NO. 96716
TIME 10:35 - 11:15 ROD NO. 9819
NOTES CHKD [signature] DATE JUL 25 '66

JOB NO. 0301.02
SURVEY OF L.A. Co. PRECISE LEVEL NET
SURVEY BY DREIER NOTES WILKS (6-27-66)
INDEXED G. J. GALLI DATE

F.B. 1368 PG. 120

76P526 CE # 308 3-61

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L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

N[illegible]E: ANY ADDITIONS OR CHANGES [illegible] HIS SHEET MUST BE MADE OR [illegible]ED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
							FROM B.M. 47-6A TO B.M. 47-7A
B.M. 47-6							B.M. 47-6
1	297 942	598 5	1/2 269 / 297 54	16 451	317 5	1/2 16 / 43 54	FOOTHILL BLVD. & OAKWOOD AVE
							SEE F.B. 1368-12
2	287 739	588 5	1/2 266 / 287 42	60 429	361 5	39 / 80 41	
3	292 895	593 5	1/2 272 / 292 98 / 40	6 030	307 5	1/2 6 / 26 95 / 40	
4	301 871	602 5	1/2 280 / 301 138 / 42	70 616	371 5	49 / 91 135 / 42	
5	239 420	540 5	221 / 257 180 / 36	10 640	311 5	1/2 10 / 31 177 / 42	
6	291 135	592 5	1/2 274 / 291 216 / 34	19 261	320 5	3 / 35 219 / 32	
7	298 495	599 5	1/2 282 / 298 250 / 32	11 351	312 5	1/2 11 / 26 251 / 30	
8	300 191	601 5	1/2 281 / 300 282 / 38	47 396	348 5	29 / 65 287 / 36	
9	301 999	602 5	1/2 281 / 301 320 / 40	8 874	309 5	1/2 8 / 25 317 / 34	
10	263 546	564 5	251 / 276 360 / 25	46 575	347 5 / 5	30 / 62 351 / 32	
			385			383	
BM 47-7A						385	BM 47-7A
	2875 233			297 623		768	FOOTHILL BLVD. & ANGELES CREST HWY.
	297 623						SEE F.B. 3713-225
	+ 2577 610						

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

SURVEY BY G.E. DREIER

NOTES BY WILKS DATE 6-23-66

INDEXED C. J. GALLI DATE

WEATHER HAZY-SUN INST. NO. 96716

TIME 1:10-2:05 ROD NO. 9 & 19

NOTES CHKD [illegible] DATE JUL 25 '66

F.B. 1368 PG. 121

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 47-7A TO B.M. 47-6
B.M. 47-7A					54				B.M. 47-7A
1	9	286	310 5	1/2 9 / 28 38	295	681	596 5	1/2 276 / 295 38	FOOTHILL BLVD. & ANGELES CREST HWY.
									SEE F.B. 3713-225
2	35	050	336 5	19 / 51 32	295	274	596 5	1/2 278 / 295 34	
				70				72	
3	26	577	327 5	7 / 45 38	293	818	594 5	1/2 276 / 293 34	
				108				106	
4	26	372	327 5	11 / 41 30	287	790	588 5	1/2 272 / 287 28	
				138				134	
5	24	413	325 5	7 / 41 34	298	217	599 5	1/2 282 / 298 32	
				172				166	
6	6	069	307 5	1/2 6 / 25 38	255	290	556 5	233 / 277 44	
				210				210	
7	38	779	339 5	11 / 64 53	287	145	588 5	1/2 266 / 287 42	
				263				252	
8	6	890	307 5	1/2 6 / 25 38	297	136	598 5	1/2 276 / 297 42	
				301				294	
9	8	919	309 5	1/2 8 / 34 52	274	007	575 5	1/2 244 / 274 60	
				353				354	
10	75	232	376 5	59 / 91 32	250	928	551 5	234 / 266 32	
				385				386	
BM 47-6								385	BM 47-6
	257	587			2835	286		771	FOOTHILL BLVD. & OAKWOOD AVE.
					257	587			SEE F.B. 1386-12
					2577	699			

F.B. 1368 PG. 122

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES WILKS (6-27-66)

INDEXED C. J. GALLI DATE

JOB NO. 0301.02

WEATHER HAZY

TIME 9:50 - 10:30

NOTES CHKD [signature]

INST. NO. 96716

ROD NO. 9819

DATE JUL 25 '66

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

N[illegible]E: ANY ADDITIONS OR CHANGES [illegible]HIS SHEET MUST BE MADE OR C[illegible]ED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M.47-7A TO B.M.47-8
B.M.47-7A									B.M. 47-7A
1	298	792	599 5	½ 298 278 40	33 11 ~~7~~	32 170	312 5	½ 33 11 44	FOOTHILL BLVD & ANGELES CREST HWY
									SEE F.B ~~1368~~ 3713-225
2	291	400	592 5	½ 291 273 36 76	3	882	304 5	½ 21 3 36 80	
3	291	040	592 5	½ 291 271 40 116	4	200	305 5	½ 22 4 36 116	⊼ WILKS
					~~38~~		~~33 5~~		
4	279	510	580 5	293 265 28 144	38	343	339 5	52 24 28 144	
5	273	285	574 5	289 258 31 175	36	697	337 5	52 20 32 176	
6	276	880	577 5	½ 276 250 52 227	5	543	306 5	½ 30 5 50 226	
7	278	553	579 5	288 268 20 247	69	407	370 5	79 59 20 246 247	
B.M.47-8									B.M.47-8
	1989	460			169	242		493	1ST ALLEY N. OF FOOTHILL BLVD. & LA CANADA BLVD.
	169	242							SEE F.B. 1368-14
+	1820	218							

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

SURVEY BY G.E. DREIER

NOTES BY SIEMANN DATE 6-23-66

INDEXED C. J. GALLI DATE

WEATHER HAZY SUN INST. NO. 96716

TIME 8:14:10 TO 14:45 ROD NO. 9E19

NOTES CHKD [illegible] DATE 11 25 '66

F.B. 1368 PG. 123

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER HOT-SMOGGY INST. NO. 96716
TIME 9:20 TO 9:45 ROD NO. 9819
NOTES CHKD. DATE

SURVEY OF L.A.Co. PRECISE LEVEL NET
SURVEY BY DREIER NOTES SIEMANN 6-27-66
INDEXED C. J. GATT DATE

F.B. 1368 PG. 124 JOB NO. 0301.02

STATION	BACKSIGHT Right Mic.	BACKSIGHT Left	BACKSIGHT Stadia	FORESIGHT Right Mic.	FORESIGHT Left	FORESIGHT Stadia	DESCRIPTION AND REMARKS
							FROM B.M. 47-8 TO B.M. 47-7A
B.M. 47-8							B.M. 47-8
1	32 31 13 274	314 5	25 2 23	53 22 300 951	601 5	K300 L288 24	1ST ALLEY N. OF FOOTHILL BLVD. & LA CANADA BLVD.
2	34 272	335 5	53 3 15 28 61	250 007	551 5	269 231 38 62	SEE F.B. 1368-14
3	3 791	304 5	K24 L3 42 103	298 343	599 5	K298 L279 38 100	
4	4 463	305 5	K22 L4 36 139	298 340	599 5	K298 L280 36 136	
5	16 500	317 5	33 0 33 172	297 144	598 5	K297 L278 38 174	
6	6 163	307 5	K26 L6 40 212	289 307	590 5	K289 L269 40 214	
7	26 320	327 5	43 9 34 246	191 163 ✓	492 5	207 175 32 246	✓
B.M. 47-7A						246	✓
	104783	✓		1925255	✓	492	✓
				104 783	✓		
				1820472	✓		

T WILKS

76P526 CE # 308 3-61

PLEASE RETURN TO

L ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY G.E. DREIER

NOTES BY G.E. DREIER DATE 6-23-66 TIME 14:45 TO WEATHER HAZY SUN INST. NO. 96714

INDEXED C.J. GALL DATE NOTES CHKD DATE ROD NO. 98119

F.B. 1368 PG. 125

STATION	BACKSIGHT Right Mic.	BACKSIGHT Left.	BACKSIGHT Stadia	FORESIGHT Right Mic.	FORESIGHT Left.	FORESIGHT Stadia	DESCRIPTION AND REMARKS
							FROM B.M. 47-8 TO B.M. 47-9A
B.M. 47-8							B.M. 47-8
1	7 55 53 114 907	4155	137 91 46	255 42 39 420	3405	63 15 48	1ST ALLEY N. OF FOOTHILL BLVD. & LA CANADA BLVD.
							SEE F.B. 1368-14
2	298 911	5995	½ 298 276 44 90	3850	3045	½ 24 3 42 90	
3	277 100	5785	293 261 32 122	18 524	3195	34 2 32 122	π WILKS
4	287 780	5885	305 269 36 158	22 400	3235	40 4 36 158	
5	279 075	5805	297 261 36 194	14 365	3155	½ 32 14 36 194	
6	278 266	5795	297 260 37 231	23 790	3245	42 5 37 231	
7	300 893	6015	½ 300 277 46 277	9 134	3105	½ 30 9 42 273	
8	301 255	6025	½ 301 280 42 319	4 465	3055	½ 23 4 38 311	
9	298 753	5995	½ 298 279 38 357	7 212	3085	½ 24 7 34 345	
10	291 360	5925	½ 291 266 50 407	101 400	4025	130 73 57 402	
11	181 111	4825	199 163 36 443	160 668	4615	180 141 39 441	
B.M. 47-9A						443 884	B.M. 47-9A
	2909 411			4052 28			FOOTHILL BLVD. & EL CAMINO CORTO
	405 228						SEE F.B. 1368-17
	+2504 183						

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 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. 1368 PG. 126 | JOB NO. 0301.02 | INST. NO. 96716 | ROD NO. 9819

SURVEY OF L.A.Co. PRECISE LEVEL NET | NOTES WILKS (6-24-66) | DATE

SURVEY BY DREIER | DATE

INDEXED C. J. GALL

WEATHER HAZY | TIME 2:30 - | NOTES CHKD

FROM B.M. 47-9A TO B.M. 47-8

STATION	BACKSIGHT RIGHT	MIC.	LEFT	STADIA	FORESIGHT RIGHT	MIC.	LEFT	STADIA	DESCRIPTION AND REMARKS
	765				919	40			
B.M. 47-9A				90				169	B.M. 47-9A
1	121	435	422 5	151 61	199	860	500 5	229 60	FOOTHILL BLVD. & EL CAMINO CORTO
				½ 4				½ 280	SEE F.B. 1368-17
2	4	543	305 5	27 46	299	245	600 5	299 38	
				12 107				½ 279 98	
3	29	000	330 5	45 33	298	925	598 5	297 36	
				½ 6 140				½ 275 134	
4	6	871	307 5	25 38	293	930	594 5	293 36	
				35 178				253 170	
5	49	862	350 5	63 28	272	800	573 5	291 38	
				35 206				½ 277 208	
6	52	103	353 5	69 34	294	000	595 5	294 34	
				39 240				246 242	
7	55	870	356 5	71 32	262	187	563 5	277 31	
				9 272				½ 272 273	
8	27	663	328 5	44 35	290	824	591 5	290 36	
				16 307				251 309	
9	32	810	333 5	48 32	267	697	568 5	282 31	
				0 339				½ 278 340	
10	16	792	317 5	36 36	297	202	598 5	297 38	
				8 375				170 378	
11	25	770	326 5	42 34	188	735	489 5	206 36	
				132 409				96 414	
12	146	214	447 5	160 28	108	629	409 5	120 24	
				437				938	
								437	BM 47-8 LA CANADA BLVD
BM 47-8								875	FOOTHILL BLVD. & ~~EL CAMINO~~
	568	933			3073	034			SEE F.B. 1368-14
					568	933			
					2504	101			

76P526 CE # 308 3-61

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
	546	53			445	3			FROM B.M. 47-9A TO B.M. 47-10
B.M. 47-9A									B.M. 47-9A
1	191	630	492 5	222 160 62	162	903	463 5	194 130 64	FOOTHILL BLVD. & EL CAMINO CORTO SEE F.B. 1368-17
2	122	780	423 5	161 83 78 140	3	917	304 5	½ 41 3 76 140	
3	301	081	602 5	½ 301 280 42 182	2	266	303 5	½ 19 2 34 174	⊼ WILKS
4	301	710	602 5	½ 301 287 28 210	5	281	306 5	½ 19 5 28 202	
5	301	838	602 5	½ 301 287 28 238	4	231	305 5	½ 18 4 28 230	
6	284	422	585 5	296 272 24 262	23	457	324 5	39 7 32 262	
7	287	858	588 5	304 270 34 296	44	033	345 5	61 26 35 297	
8	287	760	588 5	½ 287 261 52 348	5	900	306 5	½ 31 5 52 349	
9	279	559	580 5	300 258 42 390	34	141	335 5	55 13 42 391	
10	167	375	468 5	172 161 11 401	116	828	417 5	121 111 10 401	
								401	
B.M. 47-10								802	B.M. 47-10
	2526	013			402	957			FOOTHILL BLVD. & LITTLETON PL. SEE F.B. 1368-16
	402	957							
+	2123	056							

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

SURVEY BY G. E. DREIER DATE 6-24-66 WEATHER THIN OVERCAST INST. NO. 96716

NOTES BY C. J. GALLI DATE TIME 8:47 TO 9:25 ROD NO. 9819

INDEXED DATE NOTES CHKD. DATE JUL 25 '66

F.B. 1368 PG. 127

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 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. 1368 Pg. 128 JOB NO. 0301.02

SURVEY OF L.A.Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES DREIER 6-24-66

INDEXED C. J. GALLI DATE

WEATHER HAZY SUN INST. NO. 96716

TIME 1:50 TO 2:30 ROD NO. 9819

NOTES CHKD. DATE

STATION	BACKSIGHT RIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
							FROM B.M. 47-10 TO B.M. 47-9A
B.M. 47-10							B.M. 47-10
1	20072	321 5	½ 51 20 62	298090	599 5	½ 298 272 52	FOOTHILL BLVD. & LITTLETON PL.
							SEE F.B. 1368-16
2	16690	317 5	139 216 46 108	296552	597 5	½ 296 271 50 102	
3	53150	354 5	73 33 40 148	290785	591 5	½ 290 268 44 146	↑ WILKS
4	3100	302 5	½ 17 3 28 176	295530	596 5	½ 295 280 30 176	
5	4351	305 5	½ 19 4 30 206	299953	600 5	½ 299 285 28 204	
6	3260	304 5	½ 15 3 24 230	300634	601 5	½ 300 288 24 228	
7	22243	323 5	35 9 26 256	269880	570 5	283 255 28 256	
8	6263	307 5	½ 34 6 56 312	235840	536 5	263 207 56 312	
9	175595	476 5	199 151 48 360	113115	414 5	137 89 48 360	
10	153581	454 5	175 131 44 404	180693	481 5	202 158 44 404 ✓	
B.M. 47-9A						404	B.M. 47-9A
	458305 ✓			2581072 ✓		808	FOOTHILL BLVD. & EL CAMINO CORTO
				458305 ✓			SEE F.B. 1368-17
				2122767 ✓			

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES [illegible] THIS SHEET MUST BE MADE OR [illegible]ED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

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

SURVEY BY G.E. DREIER

NOTES BY G.E. DREIER DATE 6-24-66

INDEXED [illegible] DATE

WEATHER HAZY SUN INST. NO. 96716

TIME 9:26 TO ROD NO. 9819

NOTES CHKD. [illegible] DATE JUL 25 '68

F.B. 1368 PG. 129

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
	67644				56543				FROM B.M. 47-10 TO LA. CITY 09-00540
B.M. 47-10									B.M. 47-10
1	209	463	510 5	241 / 128 63	115	604	416 5	147 / 83 64	FOOTHILL BLVD. & LITTLETON PL.
									SEE F.B. 1368-16
2	97	128	398 5	130 / 64 66 / 129	270	402	571 5	303 / 237 66 / 130	
3	25	736	326 5	½ 52 / 25 54 / 183	297	662	598 5	½ 297 / 271 52 / 182	⊼ WILKS
4	7	090	308 5	½ 34 / 9 50 / 233	283	414	584 5	½ 283 / 258 50 / 232	BM 47-10 to 47-10A
									BS = 870.923
5	55	452	356 5	84 / 26 58 / 291	300	580	601 5	½ 300 / 270 60 / 292	FS = 1585.741
									Diff = -714.818
6	31	302	332 5	62 / 1 61 / 352	205	961	506 5	236 / 174 62 / 354	
7	235	832	536 5	260 / 211 49 / 401	29	036	330 5	53 / 5 48 / 402	
									Dist = 843 m
8	208	920	509 5	218 / 198 20 / 421	83	082	384 5	93 / 73 20 / 422	See over
T.P. = 47-10A	870	923			1585	741		421 / ~~843~~	T.P. LA City 09-00511 = BM 47-10A
									FOOTHILL BLVD. & OCEAN VIEW BLVD. N.W. COR.
9	248	965	549 5	½ 248 / 223 50 / 471	25	852	326 5	50 / 0 50 / 472	L. & NAIL IN CURB AT N.W. END OF CR.
									PAINTED "B.M."
10	261	735	562 5	284 / 238 46 / 517	41	405	342 5	64 / 18 46 / 518	10:07:30
11	290	435	591 5	½ 290 / 259 62 / 579	7	142	308 5	½ 38 / 7 62 / 580	10:11:45
12	230	010	531 5	268 / 192 76 / 655	97	423	398 5	135 / 59 76 / 656	10:16:00
13	199	814	500 5	233 / 165 68 / ~~223~~ 302	26	022	327 5	½ 60 / 26 64 / ~~220~~ 298	
	1230	957			197	~~84~~			21:15
	~~2101~~	~~882~~			~~1783~~	~~585~~			CONT. NEXT PAGE

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
	~~1230~~	~~959~~		~~302~~	~~491~~	~~844~~		~~298~~	✓ FROM B.M. 47-10 TO LA. CITY 09-00540 47-12
	~~2161~~	~~882~~	✓	~~203~~	~~1783~~	~~585~~	✓	~~720~~	
14	231	152	532.5	250 213 37	✓ 50	413	351 5 ½	69 50 38	✓
				~~760~~				~~758~~	✓
				339				~~760~~	✓
	~~2333~~	~~034~~	✓		~~1833~~	~~998~~	✓	~~1518~~	✓
B.M.	~~1833~~	~~998~~	✓		248	257		336	B.M. LA. CITY 09-00540 = 47-12
LA. CITY 09-00540	~~+499~~	~~036~~	✓					339	FOOTHILL BLVD =
= 47-12	1462	111						675	
	248	257							
	+1213	854							

F.B. 1368 PG. 130

JOB NO. 0301.02

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES DREIER 6-24-66

INDEXED C. J. GALLI DATE

WEATHER

TIME

NOTES CHKD. [signature]

INST. NO. 96716

ROD NO. 9819

DATE JUL 25 '66

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

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

SURVEY BY G.E. DREIER

NOTES BY G.E. DREIER DATE 6-24-66 TIME 11:20 WEATHER HAZY SUN INST. NO. 26716

INDEXED G. J. GALLI DATE NOTES CHKD DATE ROD NO. 9814

F.B. 1368 PG. 131

STATION	BACKSIGHT Right Mic.	Left	Stadia	FORESIGHT Right Mic.	Left	Stadia	DESCRIPTION AND REMARKS
							FROM L.A. CITY ~~47-12A~~ 09-00540 TO B.M. 47-10
~~47-11A~~ B.M. L.A. CITY 09-00540 = 47-12	~~5963~~ 15 670	316 5	39 ½ 15 48	255 168	556 5	279 231 48	B.M. L.A. CITY 09-00540 = 47-12 FOOTHILL BLVD. E OF AT ABANDON FIRE STATION -
2	45 826	346 5	82 8 74 122	181 016	482 5	218 144 74 122	
3	145 267	446 5	175 115 60 182	193 700	494 5	223 163 60 182	
4	5 560	306 5	33 ½ 5 56 238	300 123	601 5	300 ½ 272 56 238	B.M. 47-11 to 47-10 A BS + 370.215 FS -1584.097 Diff = -1213.882
5	32 337	333 5	53 10 43 281	269 040	570 5	290 248 42 280	
6	45 111	346 5	68 22 46 327	262 660	563 5	285 240 45 325	TO 11:58
7	80 444	381 5	93 67 26 353	122 390	423 5	135 109 26 351	Dist = 704 m.
T.P. = 47-10A	370 215			1584 097		353 704	T.P. = LA CITY 09-00511 FOOTHILL BLVD. & OCEAN VIEW BLVD. N.W. COR, N. & L. IN CURB AT W. END CR. = 47-10A
8	31 730	332 5	50 13 37 396	251 213	552 5	270 231 39 390	1:10
9	34 892	335 5	56 12 44 434	166 626	467 5	188 145 43 433	
10	221 970	522 5	250 193 57 491	28 400	329 5	57 0 57 490	
11	287 622	588 5	1287 ½ 265 44 535	38 528	339 5	60 16 44 534	
12	271 771 ~~54 677~~	572 5 ~~355 5~~	294 ~~248~~ 46 581	54 677	355 5	77 31 46 580	
13	284 690 1132 675 ~~1502 890~~ ✓	585 5	284 ½ 256 56 ~~607~~ 284	39 150 578 594 ~~2162 691~~ ✓	340 5	67 10 57 ~~607~~ 286	

CONT' ON NEXT PAGE

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
	~~1502~~ 1132	~~890~~ 875		~~284~~ ~~637~~	~~2162~~ ~~578~~	~~697~~ 594		~~286~~ ~~637~~	FROM B.M. 09-00540 ~~47-12~~ TO B.M. 47-10
14	278	145	579 5	307 249 58 695	82	216	383 5	111 53 58 695	
15	188	933	489 5	217 159 58 753	181	772	482 5	210 152 58 753	
16	99	806	400 5	117 82 35 ~~788~~ 435	141	671	442 5	159 123 36 789 788	
B.M. 47-10									B.M. 47-10
	~~2069~~	774			~~2968~~	~~344~~		1577	FOOTHILL BLVD. & LITTLETON PL.
	1699	559			~~2069~~	~~774~~		438	SEE F.B. 1368-16
	-984	247			498	570		435	
					984	247		873	
	+715	312							

F.B. 1368 PG. 132

JOB NO. 0301.02

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES G.E. DREIER 6-24-66

INDEXED C. J. GALLI DATE

WEATHER HAZY SUN INST. NO. 96716

TIME TO 1:50 ROD NO. 9819

NOTES CHKD. [illegible] DATE JUL 25 '66

76P526 CE # 308 3-61

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

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

SURVEY BY G.E. DREIER

NOTES BY WILKS

INDEXED

DATE 6-24-66

DATE

WEATHER HAZY

TIME 10:30 - 10:50

NOTES CHKD

INST. NO 86716

ROD NO 2819

DATE JUL 25 '66

F.B. 1368 PG. 133

FROM L.A. CITY 09-00540 FOOTHILL & LA CRESCENTA TO

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
L.A. City 09,00540 = 47-12	2				208						32		L.A. City 09,00540 = 47-12
1	231	070	532	5	264	46	55	236	356	5	79	47	@ 2541 FOOTHILL BLVD.
					½ 271						½ 11		
2	301	103	602	5	301	60	11 ~~23~~	826	312	5	42	62	
					207	102					99	109	
3	236	338	537	5	265	58	127	623	428	5	155	56	
					187	144					127	165	
4	216	817	517	5	245	58	156	683	457	5	185	58	
					164	222					104	223	
5	193	759	494	5	223	59	134	347	435	5	164	60	
					180	281					77	283	
6	210	515	511	5	240	60	108	680	409	5	138	61	
						341						544 ✓	
												341 ✓	LA City - 09-00570
	1389	602 ✓					594	395 ✓				685 ✓	FOOTHILL BLVD. & LA CRESCENTA AVE N.W. COR. 4'N. END C.Z., CSPK. IN S.W. COR. OF CATCH BASIN 1 FT. BACK OF CURB.
	594	395 ✓											
+	795	207 ✓											

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM _____ TO L.A. City 09.00540 (117-12)
1	110	542	411 5	80 / 140 60	212	301	513 5	182 / 242 60	L.A. City 09-00570 FOOTHILL BLVD. & LA CRESCENTA AVE.
2	124	110	425 5	100 / 148 48	200	035	501 5	175 / 226 51	N.W. COR., 4 FT. N OF E.C.R., C.SPP IN S.W. COR CB, 1 FT BACK OF CURB.
3	141	700	442 5	113 / 169 56	200	040	501 5	172 / 228 56	
4	140	342	441 5	105 / 175 70	228	960	529 5	193 / 263 70	
5	15	291	316 5	1/2 15 / 45 60	290	245	591 5	1/2 262 / 291 58	
6	9	630	310 5	1/2 9 / 38 58	205	157	506 5	175 / 234 59	
				352				354	
								352	L.A. City 09.00540 - 47-12
	541	615			1336	738		706	@ 2541 FOOTHILL BLVD.
					541	615			
					795	123			

WEATHER HAZY INST. NO. 96716

TIME 10:50 ROD NO. 9819

NOTES CHKD. [signature] DATE JUL 25 '66

F.B. 1368 PG. 134 JOB NO. 0301.02

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES WILKS (6-24-66) (PAY DAY)

INDEXED C. J. GALLI DATE

Notes Ck'd by	Survey of L.A. Co. PRECISE LEVEL NET F. B. 1368 PG. 135
Map No.	JN 030102 Tape Std °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes Date MAR. 1971
Date	Indexed G. BALLI MAR 30 '71

JOB No. 030102

L.A. Co. PRECISE LEVEL NET

(ALSO JOB No. 0020.05 EARTHQUAKE STUDIES)

LINE No. 47 MARCH 1971 RELEVELING

SEE F.B. 1368 - 5 TO 18 AND F.B. 3713 - 211 TO 236 FOR DESCRIPTIONS

DREIER
MALDONADO
SIEMANN
McKNIGHT

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

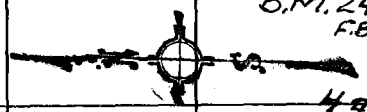
Do not extend this side of this line.

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

76F3095 CE#310 3-68

ROUTE SKETCH, LINE NO. 47

F. B. 1368 PG 136



B.M. 24-17A
F.B. 3713-111

B.M. 24-19
F.B. 1387-23

B.M. 24-18
F.B. 1387-22

VENTURA ST.

FIGUEROA ST.

B.M. 47-2A
F.B. 3713-214

47-1C
F.B. 3713-213

WINDSOR AVE.

47-2
F.B. 1368-8

47-2B
F.B. 3713-216

47-3
F.B. 1368-9

47-2C
F.B. 3713-216

OAK GROVE DR.

47-2D
F.B. 3713-218

VIRO RD.

47-4
F.B. 1368-10

DALERIDGE RD.

FOOTHILL FRWY

47-4A
F.B. 3713-220

47-5
F.B. 1368-11

GEORGIAN RD

47-6
F.B. 1368-12

OAKWOOD AVE

47-7A
F.B. 3713-225

ANGELES CREST Hwy #2

LA CANADA BLVD.

B.M. 47-8A
F.B. 3713-227

EL CAMINO CORTO

47-9A
F.B. 1368-17

47-10
F.B. 1368-16

LITTLETON PL.

OCEAN VIEW BLVD.

47-11 (CITY L.A 09-00509)
F.B. 3713-233

47-10A (CITY L.A 09-00511)
F.B. 3713-232, 233

B.M. 47-12 CITY L.A 09-00540)
F.B. 3713-235

LA CRESCENTA AVE

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

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

76P526B CE # 306 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0020.05 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET 53 CLEAR

SURVEY BY G.E. DREIER WEATHER MODERATE WIND INST. NO. 96716

NOTES BY G.E. DREIER DATE 3-1-71 TIME 9:35 ROD NO. 96896

INDEXED G.L. GALLO DATE NOTES CHKD DATE

F.B. 1368 PG. 137

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
1	162	958	463 5	164 160 4	215	818	516 5	242 188 54	54M- 4M= 50M=0.20 mm
2	158	771	459 5	160 156 4	106	001	407 5	133 79 54	54 M- 4M= 50 M=0.20 mm
	321	729		8	321	819		108	
	+					0.40 mm		- 8	Curvature Corr.=0.40 mm
					~~-0.~~	~~mm~~		100	
					321	779			
					321	729			
					-	0.50 mm			

mm= "C"

- 0.005 mm= "C"

100 / 0.50

F.B. 1368 Pg. 138 JOB NO. 0020.05

SURVEY OF EARTHQUAKE STUDIES

SURVEY BY _____ NOTES _____

INDEXED _____ DATE _____

WEATHER _____ INST. NO. _____

TIME _____ ROD NO. _____

NOTES CHKD _____ DATE _____

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT	STADIA	RIGHT	MIC.	LEFT	STADIA	FROM _____ TO _____

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. ~~0301.02~~ 002005 EARTHQUAKE STUDIES SURVEY OF L.A. CO. PRECISE LEVEL NET 73°

SURVEY BY G.E. DREIER WEATHER CLEAR INST. NO. 96716

NOTES BY G.E. DREIER DATE 3-3-71 TIME 2:15 ROD NO. 85896

INDEXED G.J. GALL DATE ~~MR~~ 30 ~~71~~ NOTES CHKD. DATE

F.B. 1368 PG. 139

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
1	152	369	453 5	154 150 4	61	819	362 5	88 34 54	54M- 4M= 50M=0.20 mm
2	177	168	478 5	179 175 4	267	689	568 5	294 240 54	54M- 4 M= 50M=0.20 mm
	329	537		8	329	508		108	
	329	468				0.40 mm			
	+	069 mm			~~-0.~~	~~mm~~		+ 8	Curvature Corr.=0.40 mm
					329	468		100	
					-				

+ 0.007 mm= "C"

100 / 0.69

mm= "C"

F.B. 1368 Pg. 140 JOB NO. 0020.05

SURVEY OF EARTHQUAKE STUDIES

SURVEY BY _____ NOTES _____

INDEXED _____ DATE _____

WEATHER _____ INST. NO. _____

TIME _____ ROD NO. _____

NOTES CHKD _____ DATE _____

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 Los Angeles County Engineering Bldg.

Do not extend notes this side of this line.

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

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT	STADIA	RIGHT	MIC.	LEFT	STADIA	FROM _____ TO _____

76P526B CE # 308 6-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM ____ TO ____
	DETERMINATION OF "C"												
	NEAR ROD						FAR ROD						
1	170	339	471	5	172 168	4	201	119	502	5	228 174	54	54 M- 4 M= 50 M=0.20 mm
2	160	858	461	5	162 158	4	130	244	431	5	157 103	54	54 M- 4 M= 50 M=0.20 mm
	331	197					331	363				108	
						8		040				8	
	+						-0.	mm					Curvature Corr.=0.40 mm
								323				100	
								197					
							-	126 mm					
					mm= "C"								
								-0.013 mm = "C"					
							100	126					

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T-60 EARTHQUAKE STUDIES 0020.05

SURVEY BY G.E. DREIER WEATHER SUNNY CLEAR INST. NO. 96716

NOTES BY SIEMANN DATE 3-4-71 TIME 8:35 TO 8:45 ROD NO. 95896

INDEXED G.J. GALLI DATE MAR 30 71 NOTES CHKD ____ DATE ____

F.B. 1368 PG. 141

F.B. 1368 PG. 142 JOB NO. 0020.05

SURVEY OF

SURVEY BY NOTES

INDEXED DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD DATE

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 Los Angeles County Engineering Bldg.

Do not extend notes this side of this line.

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

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT	STADIA	RIGHT	MIC.	LEFT	STADIA	FROM TO

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY G.E. DREIER DATE 3-5-71 WEATHER HAZE 56°

NOTES BY G.E. DREIER DATE 3-5-71 TIME 9:00 INST. NO. 96716

INDEXED [illegible] DATE [illegible] 30 71 NOTES CHKD DATE ROD NO. 95 & 96

F.B. 1368 Pg. 143

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
1	153	518	454 5	155 151 4	157	147	458 5	1 157 2 130 54	54M- 4 M= 50 M=0.20 mm
2	163	831	464 5	165 161 4	160	281	461 5	187 133 54	54M- 4 M= 50 M=0.20 mm
	317	349		8	317	428		108	
	+					0.40 mm			
					-0	~~mm~~		8	Curvature Corr.=0.40 mm
					317	388		100	
					317	349			
					-	039 mm			
				mm= "C"					
						-0.004		mm= "C"	
					100	0.39			

F.B. 1368 Pg. 144 JOB NO.

SURVEY OF

SURVEY BY NOTES

INDEXED DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD DATE

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT	STADIA	RIGHT	MIC.	LEFT	STADIA	FROM TO

76P526B CE # 306 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T=56°

SURVEY BY G.E. DREIER WEATHER CLEAR INST. NO. 96716

NOTES BY SIEMANN DATE 3-8-71 TIME 8:30 TO 8:40 ROD NO. 95296

INDEXED G.J. GALL DATE MAR 30 71 NOTES CHKD DATE

F.B. 1368 Pg. 145

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
1	156	611	457 5	158 / 154 4	194	098	495 5	221 / 167 54	54 M- 4 M= 50 M=0.20 mm
2	152	200	453 5	154 / 150 4	114	875	415 5	141 / 87 54	54 M- 4 M= 50 M=0.20 mm
	308	811			308	973		108	
	+			8	-0.	040 mm		8	Curvature Corr.=0.40 mm
						933		100	
						811			
					-	122			
				mm= "C"					
						-0.012 mm= "C"			
					100	122			

F.B. 1368 PG. 146 JOB NO.

SURVEY OF

SURVEY BY NOTES

INDEXED DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD DATE

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT	STADIA	RIGHT	MIC.	LEFT	STADIA	FROM TO

76P526B CE # 308 6-59

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G.E. DREIER
NOTES BY G.E. DREIER
DATE 3-9-71
WEATHER HAZE 55°
TIME 8:45
INST. NO. 26776
ROD NO. 25 #96
F.B. 1368 PG. 147
INDEXED
DATE
NOTES CHKD
DATE

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
				DETERMINATION OF "C"					
				NEAR ROD			FAR ROD		
1	153	692	454 5	155 151 4	215	628	576 5	242 188 54	54M- 4 M= 50 M=0.20 mm
2	146	919	447 5	148 144 4	85	098	386 5	112 58 54	54 M- 4 M= 50 M=0.20 mm
	300	611		8	300	726		108	
	+					0.40 mm			
					-0. mm			- 8	Curvature Corr.=0.40 mm
					300	686		108	
					300	611			
					-	0.75 mm.			
				mm= "C"					
	1								
						-0.008 mm= "C"			
					100	0.75			

F.B. 1368 Pg. 148 JOB NO.

SURVEY OF

SURVEY BY NOTES

INDEXED DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD DATE

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 Los Angeles County Engineering Bldg.

Do not extend notes this side of this line.

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

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT	STADIA	RIGHT	MIC.	LEFT	STADIA	FROM	TO

76P526B CE # 308 8/68

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

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

Do not extend notes this side of this line.

JOB NO. ~~0301.02~~ 002005 SURVEY OF L.A. CO. PRECISE LEVEL NET — EARTHQUAKE STUDIES
SURVEY BY G.E. DREIER
NOTES BY G.E. DREIER DATE 3-1-71
INDEXED [redacted] J. GALLI DATE [redacted] 30 71
WEATHER 53° CLEAR MODERATE WIND
TIME 7:40 TO 10:05
NOTES CHKD DATE
INST. NO. 96716
ROD NO. 25 & 26
F.B. 1368 PG. 149

STATION	BACKSIGHT Right Mic.	BACKSIGHT Left.	BACKSIGHT Stadia	FORESIGHT Right Mic.	FORESIGHT Left.	FORESIGHT Stadia	DESCRIPTION AND REMARKS
							FROM BM. 47-12 TO BM. 47-10A
BM. 47-12			152			279	B.M. 47-12 (CITY L.A. 09-00540)
1	30.230	331.5	30.44	257.611	558.5	235.44	FOOTHILL BLVD AT HO. # 2541
							SEE F.B. 3713-235
2	75.581	376.5	101 50.51	208.508	509.5	233 183.50	
			171 95			227 94	
3	131.049	432.5	91 80	184.491	485.5	141 86	
			175			180	
4	51.520	352.5	76 26 50	294.238	595.5	1294 2270 48	↑ R. SIEMANN
			225			228	
5	22.947	323.5	45 1 44	270.655	571.5	292 248 44	
			269			272	
6	29.803	330.5	54 4 50	276.777	577.5	301 251 50	
			319			322	
7	82.070	383.5	97 67 30	144.850	445.5	158 130 28	
			349			350	
						349	
BM. 47-10A							B.M. 47-10A (CITY L.A. 09-00511)
	423.200			1637.130		699	FOOTHILL BLVD. & OCEAN VIEW BLVD.
							SEE F.B. ~~1368-129~~ 3713:232
				423.200			
				1213.930			

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 47-10A TO B.M. 47-12
B.M. 47-10A									B.M. 47-10A (City L.A. 09-00511
1	277	139	578 5	303 251 52	45	272	346 5	71 19 52	FOOTHILL BLVD. & OCEAN VIEW BLVD. N.W. COR
2	298	860	599 5	298 ½ 270 56	11	421	312 5	43 ½ 11 64	SEE F.B. ~~1368-129~~ 3713-232
3	298	001	599 5	298 ½ 269 108 58	51	500	352 5	75 27 116 48	⊼ R. SIEMANN
4	205	534	506 5	238 172 166 66	116	008	417 5	148 84 164 64	
5	205	139	506 5	240 170 232 70	30	278	331 5	64 ½ 30 228 68	
6	232	092	533 5	249 215 302 34	48	601	349 5	68 28 296 40	
				336 ✓				✓ 336	
B.M. 47-12								336	B.M. 47-12
	1516	765 ✓			303	080 ✓		✓ 672	FOOTHILL BLVD & Ho # 2541
	303	080							SEE F.B. 3713-235
	1213	685 ✓							

F.B. 1368 PG. 150 JOB NO. 0020.05

SURVEY OF EARTHQUAKE STUDIES

SURVEY BY DREIER NOTES DREIER 3-3-71

INDEXED C. J. GAIN DATE

WEATHER CLEAR INST. NO. 96716

TIME 1:55 TO 2:35 ROD NO. 95896

NOTES CHKD DATE

73°

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 47-10A TO B.M. 47-11
B.M 47-10A									B.M. 47-10A (CITY L.A 09-00511) N.W. COR. FOOTHILL BLVD. & OCEAN VIEW BLVD.
1	69	992	370 5	84 54 30	105	550	406 5	121 89 32 30	SEE F.B. ~~1368-129~~ 3713-232
					69	992			R. SIEMANN
					-35	558		62	
B.M 47-11									B.M. 47-11 CITY L.A. 09-00509) FOOTHILL BLVD. & OCEAN VIEW BLVD. N.E. COR. SEE F.B. 3713-233

JOB NO. ~~0301.02~~ 0020.05 SURVEY OF L.A. CO. PRECISE LEVEL NET EARTHQUAKE STUDIES 52° GUSTY WIND

SURVEY BY G.E. DREIER WEATHER CLEAR INST. NO. 96716

NOTES BY G.E. DREIER DATE 3-1-71 TIME 10:05 TO 10:10 ROD NO. 95896

INDEXED G.J. GALLY DATE ~~NOV~~ 30 71 NOTES CHKD DATE

F.B. 1368 PG. 151

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 47-11 TO B.M. 47-10A
B.M. 47-11									B.M. 47-11 (CITY L.A 09-00509 FOOTHILL BLVD. & OCEAN VIEW BLVD. N.E. COR.
1	100	991	401.5	116 84 32	65	420	366.5	80 50 30 32	SEE F.B. 3713-233
	65	420							
	+35	571 ✓						+62	
B.M. 47-10A									B.M. 47-10A (CITY L.A. 09-00511 FOOTHILL BLVD & OCEAN VIEW BLVD. N.W. COR. SEE F.B. ~~1368-129~~ 3713-232

F.B. 1368 PG. 152 JOB NO. 0020.05

SURVEY OF EARTHQUAKE STUDIES

SURVEY BY DREIER NOTES DREIER 3-3-71

INDEXED [illegible] DATE

WEATHER CLEAR 73° INST. NO. 96716

TIME 1:50 TO 1:55 ROD NO. 95896

NOTES CHKD DATE

76P526B CE # 308 8/68

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

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

Do not extend notes this side of this line.

JOB NO. ~~0501.02~~ 0020.05 SURVEY OF L.A. CO. PRECISE LEVEL NET — EARTHQUAKE STUDIES
SURVEY BY G.E. DREIER
NOTES BY G.E. DREIER DATE 3-1-71
INDEXED C. J. GACKE DATE MAR 30 '71
WEATHER CLEAR 52° GUSTY WIND
TIME 10:10 TO 10:40
INST. NO 26716
ROD NO 85 & 96
NOTES CHKD DATE
F.B. 1368 PG. 153

STATION	BACKSIGHT Right Mic.	BACKSIGHT Left.	BACKSIGHT Stadia	FORESIGHT Right Mic.	FORESIGHT Left.	FORESIGHT Stadia	DESCRIPTION AND REMARKS
							FROM B.M. 47-11 TO B.M. 47-10
BM. 47-11							B.M. 47-11 (CITY L.A. 09-00509 NE COR FOOTHILL BLVD. & OCEAN VIEW BLVD. SEE F.B. ?3713-233
1	12220	313 5	34 ½ 12 44	274 292	575 5	296 252 44	
2	112 565	413 5	151 73 78	16 131	217.5	53 ½ 216 74	
3	284 588	585 5	284 ½ 260 48 122	15 090	316 5	41 ½ 15 52 118	⊼ R. SIEMANN
4	293 699	594 5	293 ½ 266 54 170	34 840	335 5	60 8 52 170	
5	299 864	600 5	299 ½ 265 68 224	19 950	320 5	51 ½ 19 ~~32~~ 64 222	
6	277 620	578 5	277 ½ 242 70 292	111 479	412 5	148 74 74 286	
7	145 729	446 5	176 114 62 362	203 857	504 5	235 171 64 360	
			424 ✓			424 ✓	
						424	B.M. 47-10
B.M. 47-10	1426 285 ✓			675 639 ✓		848	FOOTHILL BLVD. & LITTLETON PL. SEE F.B. 1368-16
	675 639						
	+750 646 ✓						

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM B.M. 47-10 TO B.M. 47-11
B.M. 47-10									B.M. 47-10
1	228	290	529 5	259 / 197 62	116	631	417 5	148 / 84 64	FOOTHILL BLVD. & LITTLETON PL.
									SEE F.B. 1368-16
2	103	363	404 5	135 / 71 64	268	485	569 5	300 / 236 64	
3	17	190	318 5	126 / 44 / ½ 17 54	298	350	599 5	128 / 298 / ½ 273 50	⊼ R. SIEMANN
4	26	284	327 5	180 / 51 / 1 50	257	423	558 5	178 / 281 / 233 48	
5	40	540	341 5	230 / 65 / 15 50	243	327	544 5	226 / 268 / 218 50	
6	17	091	318 5	280 / 44 / ½ 17 54	293	128	594 5	276 / 293 / ½ 266 54	
7	179	101	480 5	334 / 209 / 149 60	13	108	314 5	330 / 44 / ½ 13 62	
8	189	980	490 5	394 / 200 / 178 22	62	130	363 5	392 / 73 / 51 22	
				416 ✓				✓ 414	
B.M. 47-11								416	B.M. 47-11 (CITY L.A. 09-00509)
	801	839 ✓			~~1552~~	~~682~~	1552582	✓ 830	FOOTHILL BLVD. & OCEAN VIEW BLVD.
					801	839	801839		SEE F.B. 3713-233
					~~-750~~	~~843~~	-750 743		
							RCB		

F.B. 1368 PG. 154

JOB NO. 0020.05

SURVEY OF L.A. Co. Pr. EARTHQUAKE STUDIES

SURVEY BY DREIER NOTES DREIER 3-3-71

INDEXED C. J. SALO DATE

WEATHER CLEAR - BR INST. NO. 96716

TIME 1:15 TO 1:55 ROD NO. 95896

NOTES CHKD. DATE

76°

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 47-10 TO B.M. 47-9A
B.M. 47-10									B.M. 47-10
1	36	240	337.5	64 / 1/2 36.56	299	779	600.5	299 / 1/2 273.52	FOOTHILL BLVD. & LITTLETON PL., N.E. COR
									SEE F.B. 1368-16
2	36	190	337.5	57 / 15.42	269	157	570.5	290 / 248.42	
3	18	857	319.5	98 / 1/2 44 / 18.52	294	043	595.5	94 / 1/2 294 / 272.44	⊼ R. SIEMANN
4	19	169	320.5	150 / 33 / 5.28	299	680	600.5	138 / 299 / 283.32	
5	8	261	309.5	178 / 1/2 22 / 8.28	296	977	597.5	170 / 1/2 296 / 282.28	
6	10	850	311.5	206 / 1/2 21 / 10.22	299	259	600.5	198 / 1/2 299 / 286.26	
7	10	595	311.5	228 / 1/2 22 / 10.24	276	859	577.5	224 / 290 / 262.28	
8	18	962	319.5	252 / 1/2 41 / 18.46	273	401	574.5	252 / 296 / 250.46	
9	153	801	454.5	298 / 176 / 130.46	129	780	430.5	298 / 150 / 108.42	
10	186	999	487.5	344 / 216 / 156.60	184	906	485.5	340 / 215 / 153.62	
				404 ✓				✓ 402	
B.M. 47-9A								404	B.M. 47-9A
	499	924 ✓			2623	831 ✓		✓ 806	FOOTHILL BLVD & EL CAMINO CORTO
					499	924			SEE F.B. 1368-17
					2123	907 ✓			

JOB NO. ~~0301.02~~ 0020.05 SURVEY OF L.A. CO. PRECISE LEVEL NET EARTHQUAKE STUDIES

SURVEY BY G.E. DREIER

NOTES BY G.E. DREIER DATE 3-1-71

INDEXED C. J. GABBY DATE MAR 30 71

WEATHER 55° CLEAR GUSTY WIND

TIME 10:40 TO 11:20

NOTES CHKD. DATE

INST. NO. 96716

ROD NO. 95 & 96

F.B. 1368 PG. 155

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 47-9A TO B.M. 47-10
B.M. 47-9A									B.M. 47-9A
1	209	664	510 5	242 176 66	167	290	468 5	200 134 66	FOOTHILL BLVD. & EL CAMINO CORTO
									SEE F.B. 1368-17
2	115	449	416 5	149 81 68	46	460	347 5	78 14 64	
3	269	321	570 5	285 253 134 32	33	432	334 5	50 16 130 34	⊼ R. SIEMANN
4	289	881	590 5	302 276 166 26	24	420	325 5	37 11 164 26	
5	299	348	600 5	1/2 299 286 192 26	6	479	307 5	1/2 20 6 190 28	
6	297	579	598 5	1/2 297 284 218 26	11	939	312 5	1/2 25 11 218 28	
7	282	550	583 5	296 268 244 28	53	830	354 5	66 40 246 26	
8	289	897	590 5	1/2 289 269 272 40	49	036	350 5	69 29 272 40	
9	292	046	593 5	1/2 292 267 312 50	13	521	314 5	1/2 37 13 312 48	
10	266	780	567 5	284 248 362 36	82	619	383 5	101 63 360 38	
				398				398	
B.M. 47-10								398	B.M. 47-10
	2612	515 ✓			489	026 ✓		796	FOOTHILL BLVD. & LITTLETON PL
	489	026							SEE F.B. 1368-16
	+ 2123	489 ✓							

F.B. 1368 PG. 156 JOB NO. 0020.05

SURVEY OF EARTHQUAKE STUDIES

SURVEY BY DREIER NOTES DREIER 3-3-71

INDEXED [redacted] DATE

WEATHER CLEAR 71° INST. NO. 96716

TIME 11:30 ROD NO. 95896

NOTES CHKD. DATE

76P526B CE # 308 8/68

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

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

Do not extend notes this side of this line.

JOB NO. ~~0301.02~~ 002.005 SURVEY OF L.A. CO. PRECISE LEVEL NET — EARTHQUAKE STUDIES
SURVEY BY G.E. DREIER
NOTES BY G.E. DREIER DATE 3-3-71 WEATHER CLEAR 72°
INDEXED C.J. GALEN DATE MAR 30 71 TIME 2:35 TO NOTES CHKD DATE
INST. NO 96716 ROD NO 95 896
F.B. 1368 PG. 157

STATION	BACKSIGHT Right Mic.	Left.	Stadia	FORESIGHT Right Mic.	Left.	Stadia	DESCRIPTION AND REMARKS
				RERUN			FROM B.M. 47-10 TO B.M. 47-9A
B.M. 47-10							B.M. 47-10
1	31 090	332 5	60 ½ 31.58	293 201	594 5	½ 293 ½ 269.48	FOOTHILL BLVD. & LITTLETON PL.
							SEE F.B. 1368-16
2	7 060	308 5	33 ½ 7 52	296 991	597 5	½ 296 ½ 270 52	
3	43 188	344 5	63 110 23 40	300 119	601 5	100 ½ 300 ½ 278 44	RERUN
4	7 892	308 5	150 ½ 23 ½ 7 32	291 280	592 5	144 305 277 28	π R. SIEMANN
5	6 591	307 5	182 ½ 18 ½ 6 24	299 440	600 5	172 ½ 299 ½ 285 28	
6	10 988	311 5	206 ½ 22 ½ 10 24	295 460	596 5	200 308 282 26	
7	11 288	312 5	230 ½ 25 ½ 11 28	296 643	597 5	226 ½ 296 ½ 278 36	
8	19 059	320 5	258 ½ 45 ½ 19 52	220 752	521 5	262 246 194 52	
9	202 893	503 5	310 237 167 70	145 833	446 5	314 176 114 62	
10	161 812	462 5	380 171 151 20	185 790	486 5	376 197 173 24	
			400			400	
B.M. 47-9A						400	B.M. 47-9A
	501 861			2625 509		800	FOOTHILL BLVD. & EL CAMINO CORTO
				501 861			SEE F.B. 1368-17
				2123 648			

F.B. 1368 Pg. 158 JOB NO. 0020.65

SURVEY OF EARTHQUAKE STUDIES

SURVEY BY _____ NOTES _____

INDEXED _____ DATE _____

WEATHER _____ INST. NO. _____

TIME _____ ROD NO. _____

NOTES CHKD _____ DATE _____

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM _____ TO _____

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. ~~0301.02~~ 0020.05 SURVEY OF L.A. CO. PRECISE LEVEL NET EARTHQUAKE STUDIES T= 52°

SURVEY BY G.E. DREIER

NOTES BY SIEMANN DATE 3-1-71 WEATHER CLEAR GUSTY WIND INST. NO 96716

INDEXED C. J. CALL DATE MAR 30 71 TIME 11:25 TO 12:10 ROD NO 95896

NOTES CHKD DATE

F.B. 1368 PG. 159

STATION	BACKSIGHT RIGHT	MIC.	LEFT.	STADIA	FORESIGHT RIGHT	MIC.	LEFT.	STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 47-9A TO B.M. 47-8A
B.M. 47-9A									B.M. 47-9A
1	137	165	438 5	169 105 64	236	864	537 5	268 204 64	FOOTHILL BLVD. & EL ~~CORTO~~ CAMINO CORTO
									SEE F.B. 1368-17
2	7	025	308 5	131 2 7 48	290	002	591 5	306 274 32	
				112				96	
3	41	585	342 5	52 30 22	290	905	591 5	290 271 38	↑ DREIER
				134				134	
4	15	892	316 5	32 -2 34	251	020	552 5	268 234 34	
				168				168	
5	8	843	309 5	128 2 8 40	286	563	587 5	306 266 40	
				208				208	
6	15	118	316 5	136 2 15 42	299	748	600 5	299 278 42	
				250				250	
7	16	262	317 5	136 2 16 40	296	320	597 5	296 276 40	
				290				290	
8	34	490	335 5	53 15 38	279	481	580 5	296 262 34	
				328				324	
9	9	270	310 5	128 2 9 38	292	250	593 5	292 272 40	
				366				364	
10	3	073	304 5	124 2 3 42	297	415	598 5	297 278 38	
				408				402	
11	8	342	309 5	128 2 8 40	178	239	479 5	201 155 46	
				448 ✓				448 ✓	
B.M. 47-8A								448	B.M. 47-8A
	297	065 ✓			299	8807 ✓		896	FOOTHILL BLVD. & LA CANADA BLVD.
					297	065			SEE F.B. 3713-227
					2701	742 ✓			

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER SUNNY-CLEAR INST. NO 96716
TIME 10:40 TO 11:25 ROD NO 95496
NOTES CHKD ____ DATE ____

T = 70°

F.B. 1368 PG. 160 JOB NO 0020.05
SURVEY OF EARTHQUAKE STUDIES
SURVEY BY DREIER NOTES SIEMANN 3-3-71
INDEXED J. GALL DATE ____

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM B.M. 47-8A TO B.M. 47-9A
B.M. 47-8A									B.M. 47-8A
1	280	848	581 5	302 258 44	19	632	320 5	143 219 48	FOOTHILL BLVD & LA CANADA BLVD
									SEE F.B. 3713-227
2	294	900	595 5	294 277 34	11	076	312 5	29 11 36	
				78				84	
3	266	557	567 5	282 250 32	68	819	369 5	83 53 30	
				110				114	
4	271	706	572 5	288 254 34	65	080	366 5	79 51 28	
				144				142	
5	289	167	590 5	306 272 34	11	402	412 5	30 11 38	T = DREIER
				178				180	
6	281	754	582 5	298 264 34	36	082	337 5	53 19 34	
				212				214	
7	277	240	578 5	294 260 34	52	523	353 5	68 36 32	
				246				246	
8	290	452	591 5	290 271 38	7	023	308 5	27 7 40	
				284				286	
9	297	739	598 5	298 278 38	6	135	307 5	25 6 38	
				322				324	
10	298	888	599 5	298 279 38	27	772	328 5	45 9 36	
				360				360	
11	270	551	571 5	291 249 42	130	231	431 5	151 109 42	
				402				402	
12	198	361	499 5	219 177 42	180	969	481 5	200 160 40	
				444				442	
B.M. 47-9A								444	B.M. 47-9A CAMINO
	3318163				616744			886	FOOTHILL BLVD & EL CORTO
	616744								SEE F.B. 1368-17
	+ 2701419								

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	MIC.	LEFT.	STADIA	FORESIGHT RIGHT	MIC.	LEFT.	STADIA	DESCRIPTION AND REMARKS
									RERUN FROM B.M. 47-9A TO B.M. 47-8A
B.M. 47-9A									B.M. 47-9A
1	130	245	431 5	157 / 103 54	191	807	492 5	218 / 164 54	FOOTHILL BLVD. & EL CAMINO CORTO
									SEE F.B. 1368-17
2	48	683	349 5	23 / 23 50	281	142	582 5	300 / 262 38	
				104				92	
3	3	646	304 5	1/2 18 / 3 30	298	872	599 5	1/2 298 / 279 38	RERUN
				134				130	
4	16	909	317 5	30 / 1 30	261	745	562 ~~241 589 542 5~~	279 / 243 36	
				164				166	
5	6	580	307 5	1/2 26 / 6 40	281	961	582 5	300 / 262 38	
				204				204	π = DREIER
6	41	892	342 5	61 / 21 40	292	631	593 5	1/2 292 / 273 38	
				244				242	
7	7	689	308 5	1/2 28 / 7 42	297	715	598 5	1/2 297 / 278 38	
				286				280	
8	28	285	329 5	46 / 10 36	287	345	588 5	307 / 267 40	
				322				320	
9	15	236	316 5	1/2 34 / 15 38	297	676	598 5	1/2 297 / 278 38	
				360				358	
10	23	340	324 5	41 / 5 36	295	779	596 5	1/2 295 / 278 34	
				396				392	
11	19	511	320 5	1/2 43 / 19 48	256	984	557 5	282 / 230 52	
				444				444	
B.M. 47-8A								444	B.M. 47-8A
	342	016			3043	657		888	FOOTHILL BLVD. & LA CANADA BLVD.
					342	016			SEE F.B. 3713-227
					2701	641			

JOB NO. ~~0001.02~~ 0020.05 EARTHQUAKE STUDIES ~~SURVEY OF L.A. CO. PRECISE LEVEL NET~~ T = 60°

SURVEY BY G.E. DREIER

NOTES BY SIEMANN DATE 3-4-71 WEATHER SUNNY & CLEAR INST. NO. 96716

INDEXED C. J. GALLI DATE MAR 30 71 TIME 8:45 TO 9:30 ROD NO. 95496

NOTES CHKD. DATE

F.B. 1368 PG. 161

F.B. 1368 Pg. 162 JOB NO. 002005

SURVEY OF EARTHQUAKE STUDIES

SURVEY BY _____ NOTES _____

INDEXED _____ DATE _____

WEATHER _____ INST. NO. _____

TIME _____ ROD NO. _____

NOTES CHKD _____ DATE _____

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM _____ TO _____

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 47-8A TO B.M. 47-7A
B.M. 47-8A									B.M. 47-8A
1	5	198	306 5	1/2 1 / 2 5 32	251	173	552 5	267 / 235 32	FOOTHILL BLVD. & LA CANADA BLVD. FOOTHILL FRWY
									SEE F.B. 3713-227
2	62	617	363 5	78 / 46 32	288	033	589 5	305 / 271 34	
				64				66	
3	14	143	315 5	132 / 214 36	301	540	602 5	1301 / 2283 36	
				100				102	
4	25	970	326 5	41 / 9 30	293	000	594 5	1293 / 2278 30	π DREIER
				130				132	
5	54	216	355 5	68 / 40 28	264	502	565 5	277 / 251 26	
				158				158	
6	48	829	349 5	64 / 32 32	264	616	565 5	279 / 249 30	
				190				188	
7	35	517	336 5	52 / 18 34	204	710	505 5	222 / 186 36	
				224 ✓				224 ✓	
B.M. 47-7A								224	B.M. 47-7 A
	246	490 ✓			1867	574 ✓		448	FOOTHILL BLVD. & ANGELES CREST HWY.
					246	490			SEE F.B. 3713-225
					1621	084 ✓			

JOB NO. ~~0301.02~~ 0020.05 SURVEY OF L.A. CO. PRECISE LEVEL NET EARTHQUAKE STUDIES T=54°

SURVEY BY G.E. DREIER

NOTES BY SIEMANN DATE 3-1-71 WEATHER HEAVY WIND INST. NO. 96716

INDEXED G. J. GALLI DATE MAR 30 71 TIME 1:45 TO 2:10 ROD NO. 95 & 96

NOTES CHKD. DATE

F.B. 1368 PG. 163

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	MIC.	LEFT.	STADIA	FORESIGHT RIGHT	MIC.	LEFT.	STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 47-7A TO B.M. 47-8A
B.M. 47-7A									B.M. 47-7A
1	290	415	591 5	290 271 38	10	749	311 5	29 10 38	FOOTHILL BLVD. & ANGELES CREST HWY. SEE F.B. 3713-225
2	273	311	574 5	288 258 30	46	967	347 5	61 31 30	
3	281	131	582 5	296 266 30 68	56	054	357 5	71 41 30 68	
4	289	162	590 5	303 275 28 98	35	680	336 5	50 20 30 98	
5	273	680	574 5	287 259 28 126	38	691	339 5	52 24 28 128	π = DREIER
6	262	616	563 5	277 247 30 154	73	267	374 5	88 58 30 156	
7	222	621	523 5	237 207 30 184	10	583	311 5	24 10 28 186	
				214 ✓				214 ✓	
B.M. 47-8A								214	B.M. 47-8A
	1892	936 ✓			271	991 ✓		✓ 428	FOOTHILL BLVD. & LA CANADA BLVD. SEE F.B. 3713-227
	271	991							
	+ 1620	945 ✓							

T=70°

WEATHER SUNNY-CLEAR INST. NO. 96716

TIME 10:15 TO 10:35 ROD NO. 95896

NOTES CHKD. DATE

JOB NO. 0020.05

SURVEY OF EARTHQUAKE STUDIES

SURVEY BY DREIER NOTES SIEMANN 3-3-71

INDEXED [redacted] DATE

F.B. 1368 PG. 164

76P526B CE # 308 8/68

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

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

Do not extend notes this side of this line.

JOB NO. ~~0001.02~~ 0020.05 SURVEY OF L.A. CO. PRECISE LEVEL NET — EARTHQUAKE STUDIES T = 54°

SURVEY BY G.E. DREIER — NOTES BY SIEMANN — DATE 3-1-71 — WEATHER HEAVY WIND — INST. NO 96716

INDEXED C. L. GALLI — DATE MAR 30 71 — TIME 2:15 TO 3:00 — ROD NO. 95 & 96

NOTES CHKD — DATE

F.B. 1368 Pg. 165

STATION	BACKSIGHT Right Mic.	Left	Stadia	FORESIGHT Right Mic.	Left	Stadia	DESCRIPTION AND REMARKS
							FROM B.M. 47-7A TO B.M. 47-6
B.M. 47-7A							B.M. 47-7A
1	23 343	324 5	½ 41 / 223 36	297 515	598 5	297 / 279 36	FOOTHILL BLVD. & ANGELES CREST HWY.
							SEE F.B. ~~129~~ 3713-225
2	14 055	315 5	½ 32 / 214 36	298 322	599 5	298 / 280 36	
			72			72	
3	30 241	331 5	48 / 12 36	291 023	592 5	291 / 274 34	
			108			106	
4	7 525	308 5	½ 25 / 7 36	291 788	592 5	307 / 275 32	T = DREIER
			144			138	
5	16 972	317 5	33 / -1 34	297 322	598 5	297 / 280 34	
			178			172	
6	14 119	315 5	½ 32 / 214 36	233 214	534 5	253 / 213 40	
			214			212	
7	79 003	380 5	98 / 60 38	276 990	577 5	294 / 258 36	
			252			248	
8	21 924	322 5	39 / 3 36	273 087	574 5	289 / 257 32	
			288			280	
9	48 890	347 5	66 / 26 40	275 761	576 5	298 / 252 46	
			328			326	
10	79 856	380 5	98 / 60 38	242 113	543 5	262 / 222 40	
			366			366	
11	111 141	412 5	122 / 100 22	245 404	546 5	256 / 234 22	
			388			388	
						388	B.M. 47-6
B.M. 47-6	445 069			3022539		776	FOOTHILL BLVD. & OAKWOOD AVE.
				445 069			SEE 1368-12
				2577470			

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F.B. 1368 Pg. 166 JOB NO. 0020.05

SURVEY OF EARTHQUAKE STUDIES

SURVEY BY DREIER NOTES SIEMANN 3-3-71

INDEXED C. J. GALL DATE

WEATHER SUNNY - CLEAR INST. NO. 96716

TIME 9:30 TO 10:10 ROD NO. 95896

NOTES CHKD DATE

T = 68

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM B.M. 47-6 TO B.M. 47-7A
B.M. 47-6									B.M. 47-6
1	276392	571	5	284 256 28	57188	358	5	74 40 34	FOOTHILL BLVD. & OAKWOOD AVE.
									SEE F.B. 1368-12
2	252670	553	5	280 224 56	40304	341	5	66 14 52	
3	290150	591	5	290 ½ 226 84 48	18055	319	5	41 ½ 18 86 46	
4	299110	600	5	299 ½ 281 132 36	22788	323	5	41 3 132 38	
5	248980	549	5	272 224 168 48	9127	310	5	32 ½ 9 170 46	
6	300829	601	5	300 ½ 282 216 36	14640	315	5	31 ½ 14 216 34	π = DREIER
7	301420	602	5	301 ½ 285 252 32	22308	323	5	38 6 250 32	
8	280702	581	5	294 266 284 28	53780	354	5	68 38 282 30	
9	263733	564	5	278 248 312 30	50 ~~49~~ 253	351	5	65 35 312 30	
10	279535	580	5	293 265 342 28	12895	313	5	26 -2 342 28	
11	198772	499	5	209 187 370 22	107583	408	5	118 96 370 22	
				-392				-392	
B.M. 47-7A								392	B.M. 47-7A
	2986293 ✓				408921 ✓			✓784	FOOTHILL BLVD. & ANGELES CREST HWY.
	408921								SEE F.B. 3713-225
	+2577372 ✓								

76P526B CE # 308 8/68

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 47-6 TO B.M. 47-5
B.M. 47-6									B.M. 47-6
1	62	500	363 5	86 38 48	283	383	584 5	306 260 46	FOOTHILL BLVD. & OAKWOOD AVE. S.E. COR.
									SEE F.B. 1368-12
2	5	649	306 5	31 ½ 5 52	300	611	601 5	300 ½ 277 46	
3	84	009	385 5	100 103 65 38	272	407	573 5	92 296 248 48	⊼ R. SIEMANN
4	28	511	329 5	138 53 3 50	258	049	559 5	140 283 233 50	
5	8	582	309 5	188 33 ½ 8 50	256	970	557 5	190 280 232 48	
6	22	129	323 5	238 40 4 36	278	630	579 5	238 296 260 36	
7	18	812	319 5	274 36 0 36	268	872	569 5	274 286 250 36	
8	10	485	311 5	310 30 ½ 70 40	242	470	543 5	310 261 223 38	
9	102	662	403 5	350 110 94 16	270	200	571 5	348 279 261 18	
				366 ✓				366 ✓	
B.M. 47-5								366	B.M. 47-5
	343	339 ✓			2831	592 ✓		732	FOOTHILL BLVD. & GEORGIAN RD.
					343	339			SEE F.B. 1368-11
					2088	253 ✓			

JOB NO. ~~0301.02~~ 0020.05 SURVEY OF L.A. CO. PRECISE LEVEL NET EARTHQUAKE STUDIES

SURVEY BY G.E. DREIER DATE 3-1-71 WEATHER CLEAR GUSTY WIND INST. NO. 96716

NOTES BY G.E. DREIER DATE 3-1-71 TIME 3:00 TO 3:30 ROD NO. 95 & 96

INDEXED G. J. GALLI DATE MAR 30 71 NOTES CHKD DATE

F.B. 1368 PG. 167

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

F.B. 1368 PG. 168 JOB NO. 0020.05

SURVEY OF EARTH QUAKE STUDIES

SURVEY BY DREIER NOTES G.E. DREIER 3-3-71

INDEXED [redacted] DATE

WEATHER CLEAR 66° TIME 8:45 TO 9:30 NOTES CHKD

INST. NO. 96716 ROD NO. 95896 DATE

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM B.M. 47-5 TO B.M. 47-6
B.M. 47-5									B.M. 47-5
1	291	790	592 5	304 279 25	92	395	393 5	106 78 28	FOOTHILL BLVD. & GEORGIAN RD
									SEE F.B. 1368-11
2	292	310	593 5	292 269 46	10	939	311 5	133 ½ 10 46	
3	293	408	594 5	293 275 71 36	22	471	323 5	40 4 74 36	R. SIEMANN
4	295	219	596 5	295 275 107 40	24	037	325 5	45 3 110 42	
5	296	309	597 5	296 267 147 58	33	090	334 5	60 6 152 54	
6	301	999	602 5	½ 301 271 205 60	26	102	327 5	55 ½ 26 206 58	
7	297	762	598 5	297 ½ 269 265 56	11	908	312 5	40 ½ 11 264 58	
8	292	940	593 5	292 ½ 271 321 40	39	777	340 5	59 18 322 41	
9	223	751	524 5	236 210 361 26	236	750	537 5	248 224 363 24	
				387 ✓				✓ 387	
B.M. 47-6								387	B.M. 47-6
	2585	488 ✓			497	469 ✓		✓ 774	FOOTHILL BLVD. & OAKWOOD AVE
	497	469							SEE F.B. 1368-12
	2088	019 ✓							

76P526B CE # 308 8/68

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Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 47-5 TO B.M. 47-4A
B.M. 47-5									B.M. 47-5
1	203	709	504.5	226 / 180 46	135	191	436.5	158 / 112 46	FOOTHILL BLVD. & GEORGIAN RD. SEE F.B. 1368-11
2	242	400	543.5	258 / 226 32 / 78	29	090	330.5	44 / 14 30 / 76	
3	300	398	601.5	½ 300 / 286 28 / 106	62	000	363.5	77 / 47 30 / 106	⊼ R. SIEMANN
4	295	606	596.5	½ 295 / 276 38 / 144	66	978	367.5	85 / 47 38 / 144	
5	211	392	512.5	240 / 182 58 / 202	77	952	378.5	106 / 48 58 / 202	
6	187	330	488.5	195 / 179 16 / 218	210	910	511.5	218 / 202 16 / 218	
B.M. 47-4A								218	B.M. 47-4A (ALTADENA CI 1935)
	1440	835			582	121		436	MICHIGAN AVE & DALERIDGE RD. SEE F.B. 3713-220
	582	121							
	858	714							

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET 64°

SURVEY BY G.E. DREIER WEATHER HAZE INST. NO 96716

NOTES BY G.E. DREIER DATE 3-4-71 TIME 9:45 ROD NO 95 & 96

INDEXED C.J. GALLI DATE MAR 30 71 NOTES CHKD. DATE

F.B. 1368 PG. 169

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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F.B. 1368 PG. 170 JOB NO. 0301.02

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 3-8-71

INDEXED [redacted] DATE

WEATHER Hazy Sun INST. NO. 96716

TIME 10:00 to 10:20 ROD NO. 95896

NOTES CHKD DATE

T-62°

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 47-4A TO BM 47-5
BM 47-4A				151				214	BM 47-4A (ALTADENA C-1 1935)
1	117	807	418 5	84 67	180	991	481 5	145 69	Michigan Ave. & Daleridge Rd.
				73				299	See F.B. 3743-220
2	54	331	355 5	35 38	279	689	580 5	259 40	
				40 105				292 109	
3	25	577	326 5	10 30	277	550	578 5	262 30	
				25 135				283 139	T-Siemann
4	10	436	311 5	10 ½ 30	269	640	570 5	255 28	
				112 165				171 167	
5	87	879	388 5	62 50	147	109	448 5	123 48	
				215 ✓				215 ✓	
								215	
	296	030 ✓			1154	979 ✓		430 ✓	
					296	030			
					858	949 ✓			
BM 47-5									BM 47-5 Foothill Blvd. & Hampton Rd., & Georgian Rd. See F.B. 1368-11

76P526B CE # 308 8/68

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

Do not extend notes this side of this line.

STATION	BACKSIGHT Re-Run			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM BM47-5 TO BM47-4A
BM47-5							BM47-5
1	149.818	450.5	174 124.50	99.059	400.5	123. 75.48	Foothill Blvd. & Hampton Rd. & Georgian Rd.
2	299.931	600.5	299 283½ 32	14.991	351.5	31 14½ 34	See F.B. 1368-11
3	299.609	600.5	299 283½ 82 32	22.992	323.5	39 5 82 34	
4	261.172	562.5	279 243 114 36	101.111	402.5	118 84 116 34	R-Siemann
5	200.078	501.5	232 168 150 64	113.672	414.5	144 82 150 62	1st Re-Run
			214 ✓			212 ✓	
						214	
	1210.608 ✓			351.825 ✓		426 ✓	
	351.825						
	+858.783 ✓						
BM47-4A							BM47-4A (ALTADENA C-1 1935) Michigan Ave. & Daleridge Rd. See F.B. 3713-220

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

SURVEY BY G.E. Dreier

NOTES BY Maldonado DATE 3-8-71

INDEXED G. J. GALLI DATE MAR 30 71

WEATHER Sunny INST. NO. 96716

TIME 10:25 to 10:50 ROD NO. 95 & 96

NOTES CHKD. DATE

T-64°

F.B. 1368 PG. 171

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	MIC.	LEFT.	STADIA	Re-Run FORESIGHT RIGHT	MIC.	LEFT.	STADIA	DESCRIPTION AND REMARKS
									FROM BM47-4A TO BM 47-5
BM 47-4A				161				230	B.M. 47-4A (ALTADENA C-1 1935)
1	127	650	428 5	93 68	196	689	497 5	162 68	Michigan Ave. & Daleridge Rd.
				54				302	See F.B. 3713-220
2	33	300	334 5	12 42	281	650	582 5	260 42	
				29 1/2 110				297 1/2 110	
3	12	101	313 5	12 34	297	365	598 5	281 32	K-Siemann
				39 144				239 142	
4	24	129	325 5	9 30	225	433	526 5	211 28	1st ReRun-
				116 174				172 170	
5	95	980	396 5	74 42	150	994	451 5	128 44	
				216 ✓				214 ✓	
								216	
	293	160			1152	131 ✓		430 ✓	
					293	160			
					858	971 ✓			
BM 47-5									BM 47-5 Foothill Blvd. & Hampton Rd. & Georgian Rd. See F.B. 1368-11

T-68°

WEATHER Sunny & Calm INST. NO. 96716

TIME 11:00 to 11:25 ROD NO. 95896

NOTES CHKD ____ DATE ____

F.B. 1368 PG. 172 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 3-8-71

INDEXED G.J. [redacted] DATE ____

76P526B CE # 308 8/68

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Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 47-5 TO BM 47-4A
BM 47-5				170				112	BM 47-5 (~~ALTADENA C-1 1935~~)
1	147	500	448 5	124 46	90	969	391 5	68 44	Foot Hill Blvd. & Hampton Rd. & Georgian Rd.
2	298	462	599 5	298 1/2 278 40	6	926	307 5	24 1/2 6 36	See F.B. 1368-11
3	299	322	600 5	299 1/2 283 86 32	20	280	321 5	38 2 80 36	
4	280	299	581 5	305 255 118 50	109	030	410 5	134 84 116 50	X-Seemann
5	208	281	509 5	230 186 168 44	147	857	448 5	170 124 166 46	2nd Re-Run
				212				212	
								212	
	1233	864			375	062		424	
	375	062							
	+858	802							BM 47-4A (ALTADENA C-1 1935) Michigan Ave. & Daleridge Rd. See F.B. 3713-220
BM 47-4A									

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

SURVEY BY G.E. Dreier

NOTES BY Maldonado DATE 3-8-71

INDEXED [illegible] DATE NOV 30 '71

WEATHER Sunny & Calm INST. NO. 95716

TIME 11:30 to 11:50 ROD NO. 75896

NOTES CHKD DATE

T-68°

F.B. 1368 PG. 173

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

Do not extend notes this side of this line.

STATION	BACKSIGHT Re-Run				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM47-4A TO BM 47-5
BM 47-4A				140				222	BM 47-4A (ALTADENA C-1, 1935)
1	104	570	405 5	68 72	186	571	487 5	150 72	Michigan Ave. & Daleridge Rd.
				48				288 1	See F.B. 3713-220
2	28	652	329 5	8 40	288	539	589 5	268½ 40	
				46 112				291 1 112	
3	31	920	332 5	16 30	291	426	592 5	276½ 30	
				33 142				241 142	π-Siemann
4	18	959	319 5	3 30	225	759	526 5	209 32	
				123 172				172 174	
5	102	411	403 5	81 42	152	881	453 5	132 40	2nd Re-Run
				214 ✓				214 ✓	
								214	
	286	512 ✓			1145	176 ✓		428 ✓	
					286	512			
					858	664 ✓			
BM 47-5									B.M. 47-5
									Foothill Blvd. & Hampton Rd.
									& Georgian Rd.
									See F.B. 1368-11

T-70°

WEATHER Sunny & Calm INST. NO. 96716

TIME 11:50 to 12:10 ROD NO. 95 & 96

NOTES CHKD ____ DATE ____

F.B. 1368 PG. 174 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 3-8-71

INDEXED C. J. GALL DATE ____

76P526B CE # 308 8/68

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G.E. DREIER WEATHER HAZE 66°
NOTES BY G.E. DREIER DATE 3-4-71 TIME 10:10 TO 10:55 INST. NO. 96716
INDEXED G. J. GALLI DATE MAR 30 71 NOTES CHKD DATE ROD NO. 95 & 96
F.B. 1368 PG. 175

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 47-4A TO B.M. 47-4
B.M. 47-4A									B.M. 47-4A
1	41	951	342	5 53 29 24	297	471	598	5 ½ 304 ½ 290 14	MICHIGAN AVE & DALERIDGE RD.
									SEE F.B. 3713-220
2	13	740	314	5 18 8 10	300	330	601	5 306 294 12	
3	3	867	304	5 8 34 ½ 3 10	292	438	593	5 297 26 287 10	⊼ R. SIEMAN
4	19	941	320	5 23 44 15 8	297	441	598	5 302 36 292 10	
5	16	358	317	5 20 52 12 8	291	771	592	5 297 46 285 12	
6	1½	971	312	5 16 40 6 10	297	780	598	5 302 58 292 10	
7	7	699	308	5 12 70 2 10	278	528	579	5 284 68 272 12	
8	14	204	315	5 25 80 3 22	243	339	544	5 254 80 232 22	
9	46	770	347	5 72 102 20 52	217	229	518	5 243 102 191 52	
10	122	060	423	5 141 154 10 38	204	557	505	5 224 154 184 40	
				192 ✓				194 ✓	
B.M. 47-4								192	B.M. 47-4
	298	561 ✓			2720	884 ✓		✓ 386	MICHIGAN AVE & VIRO RD., S.E. COR.
					298	561			SEE F.B. 1368-10
					2422	323 ✓			

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F.B. 1368 PG. 176 JOB NO. 0301.02

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES Maldonado 3-8-71

INDEXED C. J. GAN DATE

WEATHER Hazy Sun INST. NO. 96716

TIME 9:15 PM ROD NO. 25 & 96

NOTES CHKD DATE

T-62°

STATION	BACKSIGHT Right	Mic.	Left	Mic.	Stadia		FORESIGHT Right	Mic.	Left	Mic.	Stadia		DESCRIPTION AND REMARKS
													From B.M. 47-4 to B.M. 47-4A
B.M. 47-4	55	65			254		55	52			118		B.M. 47-4
1	220	988	521	5	186	68	85	353	386	5	52	66	MICHIGAN AVE & VIRO RD., S.E. COR.
					275						25		SEE F.B. 1368-10
2	253	278	554	5	231	44	5	170	306	5	52	40	
					304	112					27	106	
3	297	435	598	5	290	14	20	552	321	5	13	14	π - Siemann
					306	126					12	120	
4	301	719	602	5	296	10	6	251	307	5	0	12	
					305	136					12	132	
5	300	769	601	5	295	10	7	448	308	5	2	10	
					298	146					9	142	
6	294	693	595	5	290	8	4	342	305	5	4 ½	10	
					301	154					14	152	
7	297	292	598	5	293	8	8	891	309	5	2	12	
					299	162					28	164	
8	295	910	596	5	291	8	22	441	323	5	16	12	
					307	170					66	176	
9	301	176	602	5	295	12	61	932	362	5	56	10	
					248	182					164	186	
10	241	360	542	5	234	14	159	878	460	5	154	10	
						196 ✓						196 ✓	
												196	
	2804	620 ✓					382	258 ✓				392 ✓	
	382	258											
	+2422	362 ✓											
BM 47-4A													BM 47-4A
													Michigan Ave. & Dale Ridge Rd.
													See F.B. 3713-220

76P526B CE # 308 8/68

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LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA		RIGHT MIC.	LEFT.	STADIA	FROM B.M.47-4 TO B.M.47-2D
B.M.47-4								B.M.47-4 MICHIGAN AVE & VIRO RD S.E.COR. SEE F.B. 1368-10
1	90.701	391.5	116 64 52		273.979	574.5	298 248 50	
&					90.701		52	
B.M.47-2D					183.278 ✓		102 ✓	B.M.47-2D MICHIGAN AVE. & OAK GROVE DR. ℄ SEE F.B. 3713-218

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

SURVEY BY G.E. DREIER DATE 3-4-71 WEATHER HAZE 67° INST. NO 26216

NOTES BY G.E. DREIER TIME 10:55 ROD NO 25496

INDEXED G.J. GALL DATE MAR 30 71 NOTES CHKD DATE

F.B. 1368 PG. 177

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 47-2D TO B.M. 47-4
B.M. 47-2D									B.M. 47-2D
				302				118	MICHIGAN AVE & OAK GROVE DR. ℄.
1	276	279	577 5	250 52	92	949	393 5	66 52	SEE F.B. 3713-218
	92	949						52	
	+183	330 ✓						104 ✓	K-Siemann
B.M. 47-4									B.M. 47-4
									MICHIGAN AVE & VIRO RD., S.E. COR
									SEE F.B. 1368-10

T-62°

WEATHER Hazy Sun INST. NO. 96716

TIME 9:10 to 9:15 ROD NO. 95896

NOTES CHKD. DATE

F.B. 1368 PG. 178 JOB NO. 0020-05

SURVEY OF EARTHQUAKE STUDIES

SURVEY BY Drejer NOTES Maldonado 3-8-71

INDEXED G. J. GALLI DATE

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M.47-2D TO B.M.47-2C
B.M.47-2D									B.M.47-2D
1	123	998	424 5	148 98 50	208	192	509 5	234 182 52	MICHIGAN AVE. & OAK GROVE DR. ℄ INT.
									SEE F.B. 3713-218
2	72	617	373 5	102 42 60	252	403	553 5	282 222 60	
				110				112	
3	46	503	347 5	78 14 64	275	206	576 5	307 243 64	
				174				176	
4	21	730	322 5	1/2 59 21 76	295	740	596 5	1/2 295 257 76	
				250				252	
5	65	837	366 5	1/2 85 65 40	240	772	541 5	261 219 42	
				290				294	
6	50	800	351 5	60 40 20	294	848	595 5	304 284 20	
				310				314	π = DREIER
7	8	672	309 5	1/2 21 8 26	249	340	550 5	261 235 26	
				336				340	
8	136	070	437 5	156 116 40	4	834	305 5	1/2 21 4 34	
				376				374	- 2526.582
9	162	515	463 5	182 142 40	283	405	584 5	305 261 44	+ 1640.978
				416				418	- 885.604 ✓
10	25	532	326 5	38 12 26	240	365	541 5	253 227 26	
				442				444	
11	202	583	503 5	215 189 26	5	632	306 5	16 5 22	
				468				466	
12	272	094	573 5	280 264 16	9	051	310 5	18 0 18	
13	286	384	587 5	286 260 484	56	139	357 5	81 31 484	B.M.47-2C (U.S.C.&G.S. S68)
14	165	643	466 5	185 145 52 536	110	655	411 5	131 89 50 534	LA CANADA VERDUGO RD. BRIDGE
				40				42	SEE F.B. 3713-216
				576 ✓				576	
B.M. 47-2C								576	
	1640	978 ✓			2526	582 ✓		1152 ✓	

JOB NO. 0020.05 EARTHQUAKE STUDIES T=64°

SURVEY BY G.E. DREIER

NOTES BY SIEMANN DATE 3-4-71

INDEXED L.J. GALLI DATE 30

WEATHER SUNNY/CLEAR

TIME 10:50 TO

NOTES CHKD

INST. NO. 96716

ROD NO. 95096

DATE

F.B. 1368 PG. 179

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 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. 1368 Pg. 180 JOB NO. 0020.05

SURVEY OF EARTH QUAKE STUDIES

SURVEY BY DREIER NOTES SIEMANN 3-5-71

INDEXED B. L. GALL DATE

WEATHER SUNNY, CLEAR INST. NO. 26716

TIME 2:45 TO 3:30 ROD NO. 95596

NOTES CHKD DATE

T = 64°

STATION	BACKSIGHT Right Mic.	BACKSIGHT Left	BACKSIGHT Stadia	FORESIGHT Right Mic.	FORESIGHT Left	FORESIGHT Stadia	DESCRIPTION AND REMARKS
							FROM B.M. 47-2C TO B.M. 47-2D
B.M. 47-2C	61 5 5						B.M. 47-2C (USC&G.S. S 68 RESET 1954)
1	113 096	414 5	144 / 82 62	265 558	566 5	296 / 234 62	LA CANADA VERDUGO RD. &
2	124 730	425 5	139 / 109 30 / 92	278 500	579 5	293 / 263 30 / 92	DEVIL'S GATE DAM E. END. SEE F.B. 3713-216
3	6 765	307 5	14 / -2 16 / 108	301 602	602 5	301 / 293 16 / 108	
4	13 530	314 5	30 / 24 34 / 142	58 420	359 5	75 / 41 34 / 142	
5	287 815	588 5	300 / 274 26 / 168	50 227	351 5	63 / 37 26 / 168	
6	288 997	589 5	288 / 235 66 / 234	16 215	317 5	49 / 16 66 / 234	T = DREIER
7	247 526	548 5	266 / 228 38 / 272	249 885	550 5	270 / 228 42 / 276	
8	298 221	599 5	298 / 276 44 / 316	75 / 37 448	376 5	95 / 55 40 / 316	
9	272 415	573 5	302 / 242 60 / 376	42 808	343 5	73 / 11 62 / 378	
10	262 804	563 5	292 / 232 60 / 436	59 227	360 5	89 / 29 60 / 438	
11	282 088	583 5	282 / 245 74 / 510	44 002	345 5	81 / 7 74 / 512	
12	242 946	543 5	273 / 211 62 / 572 ✓	113 305	414 5	143 / 83 60 / 572 ✓	
B.M. 47-2D						572 / 1144	B.M. 47-2D MICHIGAN AVE. & OAK GROVE DR. SEE F.B. 3713-218
	2440933 ✓			1554197 ✓			
	1554197						
	+ 886736 ✓						

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M 47-2C TO B.M. 47-2B
B.M.-47-2C									B.M. 47-2C (U.S.C.&G.S. 5-6B RESET '54)
1	136	585	437.5	178 ✓ 136 84	160	516	461.5	202 118 84	LA. CANADA VENTURA RD. & DEVILS
								84	GATE DAM. N.E. COR. BR.
					136	585			SEE F.B. 3713-216
								168 ✓	T = DREIER
B.M. 47-2B					23	931 ✓			B.M. 47-2B
									EQUSTRIAN TUNNEL AT E. END OF
									DEVIL'S GATE DAM
									SEE F.B. 3713-216

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T=68°

SURVEY BY G.E. DREIER WEATHER SUNNY, CLEAR INST. NO 96716

NOTES BY SIEMANN DATE 3-4-71 TIME 1:45 TO 1:55 ROD NO 95496

INDEXED G.J. GALLI DATE MAR 30 70 NOTES CHKD DATE

F.B. 1368 PG. 181

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 47-2B TO B.M. 47-2C
B.M. 47-2B									B.M. 47-2B (LA.CO.F.C.D. 050-04620
1	156	882	457	5 178 134 44	157	773	458	5 179 135 44	LA CANADA VERDUGO RD. & DEVIL'S GATE DAM. E. END. SEE F.B. 3713-216
2	160	693	461	5 182 138 44 88	135	925	436	5 156 114 42 86 88	π: DREIER
B.M. 47-2C									B.M. 47-2C
	317	575			293	698		174	LA CANADA VERDUGO RD. & DEVIL'S GATE DAM. W. END. SEE F.B. 3713-216
	293	698							
	+ 23	877 ✓							

T = 64°

WEATHER SUNNY, CLEAR INST. NO. 96716

TIME 2:30 TO 2:45 ROD NO. 95896

NOTES CHKD. _____ DATE _____

F.B. 1368 PG. 182 JOB NO. 0301-02

SURVEY OF L.A.C.O. PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 3-5-71

INDEXED B. J. GALLI DATE _____

76P526B CE # 308 8/68

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

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Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G.E. DREIER
NOTES BY STIEMANN DATE 3-4-71 WEATHER HAZY SUN INST. NO 36716
INDEXED B.J. GALL DATE MAR 30 71 TIME 1:50 TO 3:00 ROD NO. 25896
NOTES CHKD DATE
T = 68°
F.B. 1368 PG. 183

STATION	BACKSIGHT Right Mic.	BACKSIGHT Left	BACKSIGHT Stadia	FORESIGHT Right Mic.	FORESIGHT Left	FORESIGHT Stadia	DESCRIPTION AND REMARKS
							FROM B.M. 47-2B TO 47-2A
B.M. 47-2B							B.M. 47-2B (L.A.C.F.C.D. 050-04620)
1	150 058	451.5	175 / 125 50	25 454	326.5	50 / 0 50	EQUESTIAN TUNNEL AT EAST END OF DEVIL'S GATE DAM.
2	233 420	534.5	248 / 218 30	17 989	318.5	32 / 2 30	SEE F.B. 3713 - 216
			80			80	
3	298 637	599.5	298 / 288 20	8 536	309.5	17 / -1 18	
			100			98	
4	301 070	602.5	300 / 284 32	82 887	383.5	100 / 64 36	
			132			134	
5	183 138	484.5	209 / 157 52	155 472	456.5	178 / 132 46	
			184			180	
6	232 927	533.5	266 / 198 68	76 155	377.5	112 / 40 72	
			252			252	T = DREIER
7	299 867	600.5	279 / 268 62	44 412	345.5	75 / 13 62	
			314			314	
8	301 507	602.5	301 / 270 62	34 243	335.5	65 / 3 62	
			376			376	
9	281 313	582.5	281 / 250 62	16 908	317.5	147 / 216 62	
			438			438	
10	298 740	599.5	298 / 261 74	3 650	304.5	138 / 3 70	
11	301 785	602.5	301 / 272 58	7 105	308.5	9 / 7 68	?
			570			572	
12	178 745	479.5	197 / 159 38	180 512	481.5	199 / 161 38	
13	170 558	471.5	179 / 161 18	153 767	454.5	163 / 143 20	
			626			830	
B.M. 47-2A						626	B.M. 47-2A (U.S.C.&G.S. Y-171)
	323 1765			807090		1256	AT 2692 WINDSOR AVE. PAS. WATER CO. PUMP HOUSE.
	807090						SEE F.B. 3713 - 214
	+242 $675						
	4						

PLEASE RETURN TO

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STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 47-2A TO B.M. 47-2B.
B.M. 47-2A									B.M. 47-2A (U.S.C.&G.S. Y-171 1934)
1	170	968	471 5	183 157 26	159	857	460 5	173 145 28	AT. 2692 WINDSOR AV. PAS. WATER PUMP HOUSE.
2	119	690	420 5	147 91 56 82	287	832	588 5	287 259 56 84	SEE F.B. 3713-214
3	47	432	348 5	76 18 58 140	296	764	597 5	296 267 58 142	
4	24	001	325 5	57 24 ~~61~~ 206	298	709	599 5	298 266 64 206	
5	5	077	306 5	35 5 60 266	279	339	580 5	279 249 60 266	
6	69	205	370 5	96 42 54 320	274	153	575 5	301 247 54 320	π = DREIER
7	36	227	337 5	66 6 60 380	286	245	587 5	286 256 60 380	
8	115	103	416 5	143 87 56	216	928	517 5	244 188 56	
9	107	362	408 5	134 80 436 54 490	158	197	459 5	185 131 436 54 490	
10	111	450	412 5	131 91 40 530	297	613	598 5	297 272 40 530	
11	6	047	307 5	16 6 20 550	298	612	599 5	298 288 20 550	
12	12	821	313 5	26 -2 28 578	251	999	552 5	266 236 30 580	
13	12	341	313 5	40 12 56 634	156	300	457 5	183 129 54 634	B.M. 47-2B (L.A.CO. F.C.D. 050-04620)
B.M. 47-2B								634	LA CANADA VERDUGO RD. & DEVIL'S
	837	724			3262	548		1268	GATE DAM.
					837	724			SEE F.B. 3713-216
					-2424	884			

T = 62°

WEATHER SUNNY, CLEAR INST. NO. 96716

TIME 1:35 TO 2:30 ROD NO. 95496

NOTES CHKD. DATE

JOB NO. 0301.02

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 3-5-71

INDEXED G. J. GALLI DATE

F.B. 1368 PG. 184

76P526B CE # 308 8/68

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

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Do not extend notes this side of this line.

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM B.M. 47-2A TO B.M. 47-1C
B.M. 47-2A									B.M. 47-2A (U.S.C.&G.S. Y 171 1934)
1	153	771	454.5	163 143 20	148	201	449.5	161 135 26	PAS. W. & P. PUMP HOUSE #2692
									WINDSOR AVE
2	138	478	439.5	171 105 66	33	330	334.5	64 1 63	SEE F.B. 3713-214
3	295	999	596.5	295 86 263 64	64	002	365.5	94 89 34 60	
4	172	122	473.5	180 150 164 16	108	800	409.5	116 149 100 16	
				166 ✓				165 ✓	
B.M. 47-1C								166	B.M. 47-1C
	760	370 ✓			354	333 ✓		331 ✓	VENTURA ST. & WINDSOR AVE, S.W. COR
	354	333							SEE F.B. 3713-213
	+406	037 ✓							

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G.E. DREIER
NOTES BY G.E. DREIER
DATE 3-5-71
WEATHER HAZE 56°
TIME 9:05 TO 9:25
INST. NO 26716
ROD NO 25896
INDEXED
DATE
NOTES CHKD
DATE
F.B. 1368 PG. 185

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA		RIGHT MIC.	LEFT.	STADIA		FROM B.M. 47-1C TO B.M. 47-2A
B.M. 47-1C									B.M. 47-1C
1	51 682	352 5	1/2 81 51	60	248 925	549 5	274 222	52	VENTURA ST. & WINDSOR AVE
									SEE F.B. 3713 - 213
2	35 184	336 5	63 7	56	271 545	572 5	300 242	58	
				116				110	
3	192 280	493 5	210 174	36	157 523	458 5	177 137	40	⊼ R. SIEMANN
				152				150	
4	144 881	445 5	152 136	16	152 095	453 5	160 144	16	
				168 ✓				166 ✓	
								168	
B.M. 47-2A	424 027 ✓				830 088 ✓			334	B.M. 47-2A (U.S.C.&G.S. Y
					424 027				PAS W.&P. PUMP HO. 2692
									WINDSOR AVE.
					406 061 ✓				SEE F.B. 3713 - 214

F.B. 1368 PG. 186 JOB NO. 0301.02

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES DREIER 3-5-71

INDEXED B. J. GALLI DATE

WEATHER HAZE 62°

TIME 1:15

NOTES CHKD

INST. NO. 96716

ROD NO. 95 & 96

DATE

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM B.M.47-1C TO B.M. 47-1B
B.M.47-1C	204949	505.5	219. 189.30	93163	394.5	+68 78 30	B.M.47-1C VENTURA ST. & WINDSOR AVE S.W. COR
	93163					30	SEE F.B. 3713-213
						60	
B.M. 47-1B	+111786 ✓						B.M.47-1B. — VENTURA ST. & STERLING PL. N.W. COR SEE F.B. 1368-7

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

SURVEY BY G.E. DREIER WEATHER HAZE 56°

NOTES BY G.E. DREIER DATE 3-5-71 TIME 9:25 TO INST. NO. 96216

INDEXED G.J. CALLI DATE MAR 30 '71 NOTES CHKD DATE ROD NO. 95896

F.B. 1368 PG. 187

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 47-1B TO B.M. 47-1C
B.M. 47-1B									B.M. 47-1B.
1	91	340	392 5	106 76 30	203	076	504 5	218 188 30	VENTURA ST. & STERLING PL. N.W. COR
					91	340		30	SEE F.B. 1368 - 7
2								60	
					111	736 ✓			
B.M. 47-1C									B.M. 47-1C
									VENTURA ST. & WINDSOR AVE., S.W. COR
									SEE F.B. 3713 - 213

F.B. 1368 PG. 188 JOB NO. 0301.02

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES DREIER 3-5-71

INDEXED [redacted] DATE

WEATHER HAZE 62° INST. NO. 96716

TIME 1:15 ROD NO. 95896

NOTES CHKD. DATE

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 47-1B TO B.M. 24-19
B.M. 47-1B									B.M. 47-1B
1	110	670	411 5	1142 / 2110 64	138	751	439 5	169 / 107 62	VENTURA ST & STERLING PL.
									SEE F.B. 1368-7
2	192	432	493 5	225 / 159 66	126	199	427 5	159 / 93 66	
3	250	151	551 5	282 / 218 130 64	113	267	414 5	146 / 80 128 66	⊼ R. SIEMANN
4	193	360	494 5	228 / 157 194 71	132	451	433 5	168 / 96 194 72	
5	193	470	494 5	224 / 162 265 62	117	045	418 5	146 / 88 266 58	
6	224	301	525 5	256 / 192 327 64	139	960	440 5	173 / 106 324 67	
7	160	321	461 5	187 / 133 391 54	193	582	494 5	220 / 166 391 54	
				✓ 445				✓ 445	
B.M. 24-19								445	B.M. 24-19
	1324	705 ✓			961	255 ✓		✓ 890	LINCOLN AVE & VENTURA ST.
	961	255							SEE F.B. 1387-23
	+363	450 ✓							

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

SURVEY BY G.E. DREIER

NOTES BY G.E. DREIER DATE 3-5-76

INDEXED R.J. GALLI DATE MAR 30 '71

WEATHER HAZE 52°

TIME 9:30 TO 10:00

NOTES CHKD

INST. NO 96716

ROD NO 95 & 96

DATE

F.B. 1368 PG. 189

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

F.B. 1368 PG. 190 JOB NO. 030602

SURVEY OF LA Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES DREIER 3-5-71

INDEXED [redacted] DATE

INST. NO 96716 ROD NO 95896 DATE

WEATHER HAZE 65°

TIME 11:30 TO

NOTES CHKD

STATION	BACKSIGHT Right Mic.	BACKSIGHT Left.	BACKSIGHT Stadia	FORESIGHT Right Mic.	FORESIGHT Left.	FORESIGHT Stadia	DESCRIPTION AND REMARKS
							FROM B.M. 24-19 TO B.M. 47-1B
B.M. 24-19							B.M. 24-19
1	208 841	509 5	238 178 60	133 000	434 5	162 104 58	LINCOLN AVE. & VENTURA ST. SEE F.B. 1387-23
2	106 702	407 5	136 76 60	186 170	487 5	214 158 56	
3	114 694	415 5	146 82 120 64	194 200	495 5	194 114 160 68	R. SIEMANN
4	111 405	412 5	142 80 184 62	175 799	476 5	206 144 182 62	
5	108 080	409 5	140 X76 246 64	251 379	552 5	283 219 244 64	
6	120 874	421 5	150 90 310 60	190 030	491 5	220 160 308 60	
7	146 399	447 5	171 121 370 50	173 890	474 5	199 147 368 52	
8	125 098	426 5	138 112 420 26	101 328	402 5	114 88 420 26	
			446 ✓			446 ✓	
B.M. 47-1B						446	B.M. 47-1B
	1042193 ✓			1405796 ✓		892	VENTURA ST. & STERLING PL., N.W. COR. SEE F.B. 1368-7
				1042193			
				363603 ✓			

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 24-19 TO B.M. 24-18
B.M. 24-19									B.M. 24-19 (ALTADENA F-2
1	72	130	373 5	89 55 34	284	459	585 5	303 265 38	LINCOLN AVE & VENTURA ST.
									SEE F.B 1387-23
2	12	324	313 5	30 ½ 12 36	292	683	593 5	292 ½ 275 34	
3	33	740	334 5	53 13 70 40	287	089	588 5	306 268 72 38	⊼ R. SIEMANN
4	6	547	307 5	26 ½ 6 110 40	294	072	595 5	294 ½ 274 110 40	
5	19	870	320 5	39 -1 150 40	273	050	574 5	297 253 150 44	
6	85	879	386 5	94 76 190 18	213	420	514 5	221 205 194 16	
				208 ✓				210 ✓	
B.M. 24-18								208	B.M. 24-18 (ALTADENA E-2 1940)
	230	490 ✓			1644	773 ✓		418	LINCOLN AVE & FIGUEROA DR.
					230	490			SEE F.B. 1387-22
					1414	283 ✓			

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET 58°

SURVEY BY G.E. DREIER WEATHER HAZE INST. NO 96716

NOTES BY G.E. DREIER DATE 3-5-71 TIME 10:00 ROD NO 95 & 96

INDEXED C. J. GALLI DATE MAR 30 '71 NOTES CHKD DATE

F.B. 1368 PG. 191

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 24-18 TO B.M. 24-19
B.M. 24-18									B.M. 24-18 (ALTADENA E-2 1940)
1	294	388	595 5	294 / ½ 275 38	37	647	338 5	54 / 20 34	LINCOLN AVE & FIGUEROA DR. SEE F.B. 1387-22
2	273	618	574 5	293 / 253 40	7	741	308 5	29 / ½ 27 44	
3	295	879	596 5	78 / ½ 295 / 277 36	35	850	336 5	78 / 53 / 17 36	⊼ R. SIEMANN
4	300	419	601 5	114 / 300 / ½ 280 40	15	829	316 5	114 / 35 / ½ 15 40	
5	299	235	600 5	154 / 299 / ½ 279 40	23	739	324 5	154 / 42 / 4 38	
6	200	378	501 5	194 / 206 / 194 12	128	931	429 5	192 / 135 / 121 14	
				206 ✓				✓ 206	
B.M. 24-19								206	B.M. 24-19 (ALTADENA
	1663	917 ✓			249	737 ✓		✓ 412	LINCOLN AVE & ~~FIGUR~~ VENTURAS
	249	737							SEE F.B. 1387-23
	+1414	180 ✓							

F.B. 1368 PG. 192 JOB NO. 0301.02

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES DREIER 3-5-71

INDEXED G. J. GALLI DATE

63°

WEATHER HAZE INST. NO. 96716

TIME 11:10 TO 11:30 ROD NO. 95 & 96

NOTES CHKD DATE

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY G.E. DREIER

NOTES BY S.E. MANN DATE 3-5-71

INDEXED O.J. GALLI DATE MAR 30 71

WEATHER SUNNY CLEAR INST. NO. 26716

TIME 10:25 TO 10:50 ROD NO. 95496

NOTES CHKD DATE

F.B. 1368 PG. 193

T = 60°

STATION	BACKSIGHT Right Mic.	BACKSIGHT Left	BACKSIGHT Stadia	FORESIGHT Right Mic.	FORESIGHT Left	FORESIGHT Stadia	DESCRIPTION AND REMARKS
							FROM B.M. 24-18 TO B.M. 24-17A
B.M. 24-18							B.M. 24-18 (ALTADENA E-2 1940)
1	45775	346.5	65 25.40	279 119	580.5	299 259.40	LINCOLN AVE. & FIGUEROA DR.
							SEE F.B. 1387-22
2	52 481	353.5	71 33.38	278 900	579.5	297 259.38	
			78			78	
3	27 168	328.5	46 8.38	250 070	551.5	269 231.38	
			116			116	
4	22 490	323.5	43 1.42	259 633	560.5	280 238.42	π = DREIER
			158			158	
5	23 798	324.5	43 3.40	268 107	569.5	288 248.40	
			198			198	
6	113 469	414.5	119 107.12	173 522	474.5	179 167.12	
			210			210	
B.M. 24-17A						210	B.M. 24-17A
	285 181			1509351		420	LINCOLN AVE. & ACACIA ST.
				285181			SEE F.B. 3713-111
				-1224170			

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 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. 1368 PG. 194 JOB NO. 0301.02

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 3-5-71

INDEXED [redacted] DATE

WEATHER SUNNY, CLEAR INST. NO. 96716

TIME 10:55 TO ROD NO. 25896

NOTES CHKD DATE

T = 66°

STATION	BACKSIGHT Right Mic.	BACKSIGHT Left	BACKSIGHT Stadia	FORESIGHT Right Mic.	FORESIGHT Left	FORESIGHT Stadia	DESCRIPTION AND REMARKS
							FROM B.M. 24-17A TO B.M. 24-18
B.M. 24-17A							B.M. 24-17A
1	272 900	573 5	289 255 34	65 613	366 5	83 47 36	LINCOLN AVE. & ACACIA ST.
							SEE F.B. 3713-111
2	271 380	572 5	289 253 36	57 878	358 5	75 39 36	
			70			72	
3	278 676	579 5	298 258 40	42 493	343 5	62 22 40	
			110			112	
4	291 891	592 5	291 270 42	37 721	338 5	58 16 42	T = DREIER
			152			154	
5	270 385	571 5	290 250 40	15 239	316 5	135 215 40	
			192			194	
6	210 760	511	218 202 16	152 983	453 5	160 144 16	
			208 ✓			216 ✓	
						208	
B.M. 24-18							B.M. 24-18
	1595992 ✓			371 927 ✓		418 ✓	LINCOLN AVE. & FIGUROA DR.
	371 927						SEE F.B. 1387-22
	+1224 065 ✓						

76P526B CE # 308 8/68

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T = 76°
SURVEY BY G.E. DREIER WEATHER SUNNY, CLEAR
NOTES BY SIEMANN DATE 3-8-71 TIME 2:15 TO 2:40 INST. NO. 96716
INDEXED B.J. GALLI DATE MAR 30 71 NOTES CHKD. DATE ROD NO. 25896
F.B. 1368 PG. 195

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM B.M. 47-2D TO B.M. 47-3
B.M. 47-2D									B.M. 47-2D
1	126	026	427	5 151 / 101 50	184	059	485	5 209 / 159 50	MICHIGAN AVE & OAK GROVE DR.
									SEE F.B. 3713-218
2	95	939	396	5 118 / 72 46	217	413	518	5 241 / 193 48	
3	15	801	316	5 26 96 / 4 22	299	000	600	5 299 98 / 288 22	
4	23	060	324	5 32 118 / 14 18	277	059	578	5 286 120 / 268 18	
5	14	888	315	5 24 136 / 4 20	278	502	579	5 288 138 / 268 20	T = MALDONADO
6	22	152	323	5 34 156 / 10 24	278	339	579	5 290 158 / 266 24	
7	58	080	359	5 79 180 / 37 42	265	093	566	5 286 182 / 244 42	
8	79	821	380	5 104 224 / 54 50	207	747	508	5 231 224 / 183 48	
				272 ✓				272 ✓	
								272	B.M. 47-3
B.M. 47-3	435	767 ✓			2007	222 ✓		544	MICHIGAN AVE. & P.P.# 818803E
					435	767			SEE F.B. 1368-9
					-1571	455 ✓			

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 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. 1368 PG. 196 JOB NO. 0301.02

SURVEY OF L.A. CO PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 3-8-71

INDEXED [redacted] DATE

WEATHER SUNNY & CLEAR INST. NO. 76716

TIME 1:40 TO 2:10 ROD NO. 95496

NOTES CHKD DATE

T = 68°

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM BM. 47-3 TO BM. 47-2D
B.M. 47-3					5				B.M. 47-3
1	218	349	519 5	246 190 56	36	250	337 5	65 7 58	MICHIGAN AVE & P.P.# 818803E
									SEE F.B. 1368-9
2	220	789	521 5	238 202 36 / 92	55	078	356 5	74 36 38 / 96	
3	276	654	577 5	288 264 24 / 116	18	152	319 5	30 7 23 / 119	
4	301	877	602 5	301 289 24 / 140	7	990	308 5	16 7 18 / 137	
5	297	932	598 5	306 288 18 / 158	9	514	310 5	18 1 17 / 154	T = MALDONADO
6	298	631	599 5	306 290 16 / 174	84	660	385 5	94 74 20 / 174	
7	231	264	532 5	264 198 66 / 240	77	680	378 5	110 44 66 / 240	
8	172	763	473 5	184 160 24 / 264 ✓	157	578	458 5	169 45 24 / 264 ✓	
B.M. 47-2D								264 / 528	B.M. 47-2D
	2018259 ✓				446902 ✓				MICHIGAN AVE. & OAK GROVE DR.
	446902								SEE F.B. 3713-218
	+1571357 ✓								

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY G.E. PRELER

NOTES BY SIEMANN DATE 3-8-71

INDEXED [illegible] DATE MAR 30 71

WEATHER SUNNY, CLEAR INST. NO 96716

TIME 2:45 TO 3:30 ROD NO 95 & 96

NOTES CHKD DATE

T = 74°

F.B. 1368 PG. 197

STATION	BACKSIGHT RIGHT	MIC.	LEFT.	STADIA	FORESIGHT RIGHT	MIC.	LEFT.	STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 47-3 TO B.M. 47-2
B.M. 47-3									B.M. 47-3
1	88	642	389 5	117 59 58	108	880	409 5	137 79 58	MICHIGAN AVE. & P.P. # 818803E
									SEE F.B. 1368-9
2	272	598	573 5	308 236 72	51	978	352 5	88 14 74	
				130				132	
3	298	111	599 5	298 264 68	143	030	444 5	176 110 66	
				198				198	
4	18	598	319 5	26 10 16	162	026	463 5	170 154 16	
				214				214	
5	131	849	432 5	164 98 66	216	170	517 5	248 184 64	π = MALDONADO
				280				278	
6	276	856	577 5	298 254 44	22	541	323 5	46 -2 48	
				324				326	
7	197	531	498 5	224 170 54	7	682	308 5	135 7 56	
				378				382	
8	159	893	460	164 154 10	131	621	432 5	135 127 8	
				388 ✓				390 ✓	
B.M. 47-2								388	B.M. 47-2
	444	078 ✓			843	928 ✓		778	CITY OF PASADENA WATER CO. PUMP
	843	928							HOUSE DOORWAY.
+	600	150 ✓							SEE F.B. 1368-8

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 47-2 TO B.M. 47-3
B.M. 49-2									B.M. 47-2
1	52	478	353 5	61 43 18	221	951	522 5	229 213 16	IN ARROYO SECO AT W. END OF VENTURA ST SEE F.B. 1368-8
2	142	917	443 5	174 110 64 82	260	455	561 5	291 229 62 78	⊼ J. MALDONADO
3	102	661	403 5	129 75 54 136	289	128	590 5	289 260 58 136	
5	266	171	567 5	294 238 56 192	140	231	441 5	167 113 54 190	
6	280	282	581 5	104 257 47 239	191	988	492 5	215 167 48 238	
7	8	398	309 5	140 ½ 8 64 303	240	548	541 5	271 209 62 300	
8	45	182	346 5	71 19 52 355	182	343	483 5	211 154 57 357	
9	106	978	407 5	128 84 44 399 ✓	78	800	379 5	100 56 44 401 ✓	
B.M. 49-3								399	B.M. 47-3
	1005	068 ✓			1605	444 ✓		800	BY POLE AT E. SIDE OAKGROVE PARK SEE F.B. 1368-9
					1005	068			
					600	378 ✓			

61°

F.B. 1368 PG. 198

JOB NO. 0301.02

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES DREIER 3-9-71

INDEXED G. J. GALLI DATE

WEATHER HAZE INST. NO. 96716

TIME 10:55 ROD NO. 95 & 96

NOTES CHKD. DATE

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET 52°

SURVEY BY G.E. DREIER

NOTES BY G.E. DREIER DATE 3-9-71

INDEXED G.J. GALLO DATE [illegible] 30 71

WEATHER OVERCAST

TIME 8:40 TO 9:55

NOTES CHKD

INST. NO 96716

ROD NO. 95 & 96

DATE

F.B. 1368 PG. 199

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 47-2 TO B.M. 47-1C
B.M. 47-2	97	99			97	77			B.M. 47-2
1	109	459	410 5	½ 116 / 109 14	145	159	446 5	153 / 137 16	IN ARROYO SECO AT W. END OF VENTURA ST. SEE F.B. 1368-8
2	54	063	355 5	75 / 33 42	144	185	445 5	164 / 124 40	
3	244	125	545 5	281 / 207 56 / 74	59	509	360 5	96 / 22 56 / 74	⊼ J. MALDONADO
4	298	645	599 5	½ 298 / 266 130 / 64	298	340	599 5	½ 298 / 264 130 / 68	
5	240	910	541 5	260 / 220 194 / 40	18	320	319 5	½ 40 / 18 198 / 44	
6	286	638	587 5	301 / 671 234 / 30	34	648	335 5	49 / 19 242 / 30	
7	300	739	601 5	½ 300 / 294 264 / 12	93	712	394 5	96 / 90 272 / 6	+4203.215
8	265	090	566 5	274 / 256 276 / 18	39	094	340 5	47 / 31 278 / 16	-1310.612
9	300	472	601 5	½ 300 / 288 294 / 24	22	532	323 5	34 / 10 294 / 24	+2892.603
10	296	278	597 5	307 / 285 318 / 22	26	143	327 5	37 / 15 318 / 22	
11	267	378	568 5	277 / 257 340 / 20	32	318	333 5	42 / 22 340 / 20	
12	297	768	598 5	308 / 286 360 / 22	5	944	306 5	½ 15 / 5 360 / 20	
13	301	518	602 5	½ 301 / 292 382 / 18	25	149	326 5	32 / 18 380 / 14	
14	292	441	593 5	301 / 283 400 / 18	10	926	311 5	19 / 1 394 / 18	
15	292	539	593 5	301 / 283 418 / 18	33	901	334 5	45 / 21 412 / 24	
16	232	265	533 5	248 / 216 436 / 32	196	060	497 5	211 / 181 436 / 30	474 B.M. 47-1C
17	122	887	423 5	125 / 119 468 / 6	124	672	425 5	128 / 120 466 / 8	474 VENTURA ST. & WINDSOR AVE
	4203	215		474	1310	612		474	948 SEE F.B. 3713-213

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 47-1C TO B.M. 47-2
B.M. 47-1C									B.M. 47-1C
1	178	678	479 5	192 / 164 28	140	239	441 5	155 / 125 30	VENTURA ST. & WINDSOR AVE
	99	929	400 5	115 / 83 32 / 60	295	921	596 5	1295 / 279 32 / 62	SEE F.B. 3713-213
2									
3	3	512	304 5	1/2 12 / 3 18 / 78	287	148	588 5	296 / 278 18 / 80	
4	15	759	316 5	23 / 7 16 / 94	277	041	578 5	285 / 269 16 / 96	⊼ J. MALDONADO
5	10	983	311 5	18 / 2 16 / 110	278	149	579 5	286 / 270 16 / 112	
6	23	281	324 5	33 / 13 20 / 130	264	198	565 5	274 / 254 20 / 132	
7	11	866	312 5	22 / 0 22 / 152	278	187	579 5	289 / 267 22 / 154	
8	5	022	306 5	1/2 16 / 5 22 / 174	284	613	585 5	295 / 273 22 / 176	
9	10	373	311 5	21 / 1 20 / 194	294	618	595 5	304 / 284 20 / 196	
10	19	051	320 5	28 / 10 18 / 212	296	576	597 5	304 / 289 15 / 211	
11	17	724	318 5	34 / 0 34 / 246	299	671	600 5	1/2 299 / 282 34 / 245	
12	28	378	329 5	47 / 9 38 / 284	241	291	542 5	260 / 222 38 / 283	
13	60	951	361 5	92 / 28 64 / 348	224	494	525 5	256 / 192 64 / 347	
14	102	468	403 5	130 / 74 56 / 404	75	337	376 5	102 / 48 54 / 401	
15	135	521	436 5	142 / 128 14 / 418	78	513	379 5	86 / 69 17 / 418 ✓	
								418	
B.M. 47-2								836	B.M. 47-2
	723	496 ✓			3615	996 ✓			IN ARROYO SECO AT W. END VENTURA ST
					723	496			SEE F.B. 1368-8
					2892	500 ✓			

F.B. 1368 PG. 200 JOB NO. 0301.02

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES DREIER 3-9-71

INDEXED G. J. GALLI DATE

WEATHER HAZE INST. NO. 96716

TIME 9:55 TO 10:55 ROD NO. 95 & 96

NOTES CHKD DATE

55°

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM _____ TO _____

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

SURVEY BY _____ WEATHER _____ INST. NO. _____

NOTES BY _____ DATE _____ TIME _____ ROD NO. _____

INDEXED _____ DATE _____ NOTES CHKD _____ DATE _____

F.B. PG.

F.B. Pg. JOB NO.

SURVEY OF

SURVEY BY NOTES

INDEXED DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD DATE

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM ____ TO ____

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM _____ TO _____

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

SURVEY BY _____ WEATHER _____ INST. NO. _____

NOTES BY _____ DATE _____ TIME _____ ROD NO. _____

INDEXED _____ DATE _____ NOTES CHKD _____ DATE _____

F.B. _____ PG. _____

F.B. Pg. JOB NO.

SURVEY OF

SURVEY BY NOTES

INDEXED DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD DATE

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM ____ TO ____

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

76P526 CE # 308 3-61

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM TO

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

SURVEY BY WEATHER INST. NO.

NOTES BY DATE TIME ROD NO.

INDEXED DATE NOTES CHKD DATE

F.B. Pg.

F.B. Pg.

JOB NO.

SURVEY OF

SURVEY BY NOTES

INDEXED DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD DATE

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM TO