Ck'd by

Survey of

IN Tape Std °F

Surveyed by

Notes Date

Indexed

F. B. PG.

2
2
2

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.

8238

F. B. _____ PG. _____

Notes Ck'd by	Survey of L.A. Co. Precise Level Net	F. B. 2833 Pg. 5
Map No.	JN 0301.02 Tape Std °F	
Office Work	Surveyed by F. E. Brooks	
Checked	Notes F. E. Brooks Date Dec 1960	
Date	Indexed H. E. Ott DEC 22 '60	

J. N. 0301.02

L. A. CO. PRECISE LEVEL NET

LINE No. 48

B. M. descriptions F. B. 1369 pg 5 to pg

Differences of Elev. F. B. 2830 pg 11 to pg 248

F. B. 2831 pg 11 to pg 248

F. B. 2833 pg 11 to pg 88

Stadia Factor of Zeiss = 15066 = 334

F. E. Brooks
A. R. Barilotti
N. Smith
R. R. Rodriguez
G. R. Esquer

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 time.

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

76F309S S&E #247 11-58

F. B. 2833 PG. 6

ROUTE of LEVEL LINE No 48

Continued from B.M. 48-143 31.54 miles from B.M. 27-14 at Culver Blvd. and Vista del Mar. in Playa del Rey

Direction	Street Traveled	To	miles	B.M.
West	Pacific Coast Hwy.	Sta 346+81.64	31.77	48-144
"	" " "	Broad Beach Rd.	32.08	48-145
"	" " "	house 32001	32.24	48-146
"	" " "	Sta 314+55	32.40	48-147A
"	" " "	house #32232	32.51	48-147
"	" " "	" #32606	32.96	48-148
"	" " "	Decker Rd	33.63	48-149
"	" " "		34.13	48-150A
"	" " "		34.39	48-150
"	" " "	Sta 178+87	35.02	48-151
"	" " "	" 160+42	35.37	48-152
"	" " "		35.80	48-153
"	" " "		35.83	48-154
"	" " "	Arroyo sequit	36.03	48-155
"	Through Leo Carrillo Beach	Life Guard sta	36.24	48-157
"	" " " "	" " "	36.25	48-158
"	Pacific Coast Hwy	0.13 mi W of Arroyo Sequit	36.35	48-159A
"	" " "	L.A. - Ventura Co Line	36.82	U.S. 3366
East	" " "	0.08 mi headwall	36.92	48-160A

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.
Note: Any Additions or Changes on This Sheet Must Be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by H. J. AMBERE	Survey of L.A. Co. Precise Lev. Net
Map No.	JN 0301.02 Tape Std °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date Dec 60
Date	Indexed

F. B. 2833 PG. 7

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 slip of this time.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.

76F309S S&E #247 11-58

F. B. 2033 PG. 8

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

Do not extend this side of this line.

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

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks Weather: Sun-Wind Inst. No.: 15166
Notes by: Esquer Time: 1:10 - 1:25 Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 48-143 To: BM 48-144
Date: 9 Dec 60
Indexed: H. E. OTT Dec 22 60

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	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	6629		187		#	3598		188		BM 48-143
	6442		188			3410		185		Pacific Coast Hwy at Sta.
	6254		375			3225		373		358+95.7
	19325	6442		375	62°	10233	3411		373	See F.B. 1369-118
2	7251		188			3613		185		T Barilotti
	7063		186			3428		184		Summation of Run
	6877		374			3244		369		From B.M. 48-143
	21191	7064		749		10285	3428		742	To B.M. 48-144
3	7074		185			3511		187		
	6889		185			3324		183		Backsight stadia = 1.844
	6704		370			3141		370		Foresight Stadia = 1.823
	20667	6889		1119		9976	3325		1112	Total Stadia = 3.617
										= .23 mi.
4	7173		185			4179		187		
	6988		188			3992		186		Total Backsights = + 33.149
	6800		373			3806		373		Total Foresights = − 19.308
	20961	6987		1492		11977	3992		1485	Diff. Elev. = +13.841
5	5943		176			5321		170		BM 48-144
	5767		176			5151		168		Pacific Coast Hwy. at Sta.
	5591		352			4983		338		346+81.64
	17301	5767		1844		15455	5152		1823	
	33149					19308				

F.B. 1375 P.G. 11

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sun-Wind Inst. No. 15066
Notes by Esquer Time 2:30-2:45 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-144 To BM 48-143
Date 12-12-60
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	5152		171		#19	5767		175		BM 48-144
	4981		171			5592		174		Pacific Coast Hwy. at sta.
	4810		342			5418		349		346+81.64
	14943	4981		342	76°	16777	5592		349	
2	3924		187			6916		186		
	3737		186			6730		186		
	3551		373			6544		372		Summation of Run
	11212	3737		715		20190	6730		721	From B.M. 48-144
										To B.M. 48-143
3	3365		187			6929		186		
	3178		187			6743		185		Backsight stadia = 1.833
	2991		374			6558		371		Foresight Stadia = 1.839
	9534	3178		1089		20230	6743		1092	Total Stadia = 3.672
4	3390		188			7025		186		
	3202		184			6839		186		Total Backsights = + 18.396
	3018		372			6653		372		Total Foresights = − 32.213
	9610	3203		1461		20517	6839		1464	Diff. Elev. = − 13.817
5	3463		186			6496		187		BM 48-143
	3277		186			6309		188		Pacific Coast Hwy. at sta.
	3091		372			6121		375		358+95.7
	9831	3277		1833		18926	6309		1839	
		18376					32213			

F.B. 2833 P.G. 12

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny - Windy Inst. No. 15066
Notes by Brooks - Esquer Time 1:30 - 2:05 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-144 To BM 48-145
Date 9 Dec 60
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	5.022 4.833 4.648		.189 .185 .374			6.335 6.149 5.965		.186 .184 .370		BM 48-144 Pacific Coast Hwy at Sta. 346 + 81.64 See F.B. 1369-119
	14.503	4.834		.374	62°	18.449	6.150		370	
2	2.852 2.669 2.484		.183 .185 .368			7.280 7.092 6.907		.188 .185 .373		T N. Smith
	8.005	2.668		.742		21.279	7.093		.743	
3	1.742 1.555 1.372		.187 .183 .370			8.398 8.209 8.021		.189 .188 .377		
	4.669	1.556		1.112		24.628	8.209		1.120	
4	0866 0680 0492		186 188 374			8408 8220 8035		188 185 373		
	2038	0679		1486		24.63	8221		1493	
5	1158 0972 0788		186 184 370			8374 8188 8000		186 188 374		
	2918	0973		1856		24562	8187		1867	
	10.710					37.860				

F.B. 1037 P.G. 17

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sun - Wind Inst. No. 150.66
Notes by Brooks - Esquer Time 1:30 - 2:05 Rod No. 19 - 20

Name LA. Co. Precise Level Net
Job No. 0301.02
From BM 48-144 To BM 48-145
Date 12-9-60
Indexed J. E. on

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	2284	10.710	189	1856		6825	39.860	181	1867	
	2095		187			6644		182		
	1908		376			6462		363		
	6287	2096		2232		19931	6644		2230	
7	6505		096			5260		096		BM 48-145
	6409		099			5164		095		Pacific Coast Hwy near Bixby
	6310		195			5069		191		Beach Rd.
	19224	6408		2427		15493	5164		2421	See F.B. 1369-120
										Summation of Run From B.M. 48-144 To B.M. 48-145
										Total Backsights = + 19.214 Total Foresights = - 49.668 Diff. Elev - 30.454
										Backsight stadia = 2.427 Foresight Stadia = 2.421 Total Stadia = 4.848 = .31 mi.
	19.214					49.668				

F.B. 2857 P.G. 14

76P526-CE 379--10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks Weather: sunny Inst. No.: 15066
Notes by: E. E. Brooks Time: 2:10 - 2:30 Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0701.02
From: BM48-145 To: BM48-144
Date: 12 Dec 60
Indexed: H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5.131		.096			6.378		.098		BM 48-145
	5.035		.095			6.280		.098		Pacific Coast Hwy near
1	4.940		.191			6.182		196		Broad Beach Rd.
	15.106	5.035		.191	62	18.840	6.280		196	3rd F.B. 1319-120
	6.807		.185			2.259		.187		
	6.622		.182			2.072		.185		T Smith
2	6.440		.367			1.887		.372		
	19.869	6.623		.558		6.218	2.073		.568	
	8.543		.189			1.324		.184		
	8.354		.186			1.140		.181		
3	8.168		.375			0.959		.365		
	25.065	8.355		.933		3.423	1.141		.933	
	8.492		.184			0.950		.187		
	8.308		.187			0.763		.184		
4	8.121		.371			0.579		.371		
	24.921	8.307		1.304		2.292	0.764		1.304	
	8.869		.187			2.218		.187		
	8.682		.185			2.031		.183		
5	8.497		.372			1.848		.370		
	26.048	8.683		1.676		6.097	2.032		1.674	
	37.0031					12.190				

F.B. 2033 P.G. 15

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Sunny Inst. No.: 15066
Notes by: F. E. Brooks Time: 2:16 - 2:30 Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM48-145 To: BM48-144
Date: 12 Dec 60
Indexed: H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	7.200	37.003	.187	1.676		2.773	12.290	.184	1.674	
	7.013		.184			2.589		.185		
	6.829		.371			2.404		.369		
	21.042	7.014		2.047		7.766	2.589		2.043	
7	6.374		.184			5.063		.188		BM48-144
	6.190		.185			4.875		.187		Pacific Coast Hwy at
	6.005		.369			4.688		.375		Sta. 346+81.64
	18.569	6.190		2.416		14.626	4.875		2.418	See F.B. 1369-119
										Summation of Run From B.M. 48-145 To B.M. 48-144
F.B. 1833 P.G. 16										Total Backsights = + 50.207 Total Foresights = − 19.754 Diff. Elev. = + 30.453
										Backsight stadia = 2.416 Foresight Stadia = 2.418 Total Stadia = 4.834 = .31 mi.
	50.207					19.754				

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Broat. Weather: Sun-Wind Inst. No.: 15066
Notes by: Esquer Time: 2:05 - 2:25 Rod No.: 19-20

Name: L.A. Co. Precise Level Nat
Job No.: 1301.02
From: BM 48-145 To: BM 48-146
Date: 12-9-60
Indexed: H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	6698 6510 6324		188 186 374			2269 2083 1899		186 184 370		BM 48-145 Pacific Coast Hwy near Broad Beach Rd. See F.B. 1369-120
	19532	6511		374	62°	6251	2084		370	
2	9187 9011 8839		176 172 348			0560 0385 0210		175 175 350		T Smith Summation of Run From B.M. 48-145 To B.M. 48-146
	27037	9012		722		1155	0.385		720	
3	6801 6735 6668		066 067 133			2225 2158 2090		067 068 135		Total Backsights = + 40.651 Total Foresights = − 5.566 Diff. Elev. = +35.085
	20204	6.735		855		6473	2158		855	
4	8546 8441 8339		105 102 207			0729 0621 0516		108 105 213		Backsight stadia = 1.287 Foresight Stadia = 1.287 Total Stadia = 2.574 = .16 mi.
	25326	8442		1062		1866	0622		1068	
5	10064 99.51 9839		113 112 225			0427 0317 0208		110 109 219		BM 48-146 Pacific Coast Hwy. at house #32001 F.B. 1369-121
	29854	9.951		1287		0952	0317		1287	
		40.651					5.566			

F.B. 2833 P.G. 12

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Sun-wind Inst. No. 15066
Notes by Esquer Time 2:00 – 2:10 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 48-146 To B.M. 48-145
Date 12-12-60
Indexed G. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	0481 0371 0260		110 111 221		#19	10118 10005 9895		113 110 223		BM 48-146 Pacific Coast Hwy. at house # 32001 F.B. 1369-121
	1112	0371		221	76°	30018	10006		223	
2	1261 1154 1050		107 104 211			9079 8973 8870		106 103 209		T Smith Summation of Run From B.M. 48-146 To B.M. 48-145
	3465	1155		432		26922	8974		432	
3	2775 2708 2640		067 068 135			7351 7285 7221		066 064 130		Total Backsights = + 7,035 Total Foresights = – 42,123 Diff. Elev. = – 35,088
	8123	2708		567		21857	7286		562	
4	0531 0357 0180		174 177 351			9160 8984 8810		176 174 350		Backsight stadia = 1.290 Foresight Stadia = 1.288 Total Stadia = 2.578 = .16 mi.
	1068	0356		918		26954	8985		912	
5	2631 2445 2259		186 186 372			7060 6871 6684		189 187 376		BM 48-145 Pacific Coast Hwy. near Broad Beach Rd. See F.B. 1369-120
	7335	2445		1290		20615	6872		1288	
		7035					42123			

F.B. 22333 P.G. 18

76P526-CE 379--10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny - Windy Inst. No. 15066
Notes by F. E. Brooks Time 2:30 - 2:40 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-146 To BM 48-147A
Date 9 Dec. 60
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	8.064		.106			1.458		.106		BM 48-146
	7.958		.108			1.352		.103		Pacific Coast Hwy near
	7.850		.214			1.249		.209		house #32001
	23.872	7.957		.214	62	4.059	1.353		.209	See F.B. 1369-121
2	9.293		.104			1.605		.103		
	9.189		.101			1.502		.102		T. N. Smith
	9.088		.205			1.400		.205		
	27.570	9.190		.419		4.507	1.502		.414	
3	9.009		.103			1.561		.102		
	8.906		.101			1.459		.105		
	8.805		204			1.354		.207		
	26.720	8.907		.623		4.374	1.458		.621	
4	8.585		.104			2.088		.105		
	8.481		.102			1.983		.103		
	8.379		.206			1.880		.208		
	25.445	8.482		.829		5.951	1.984		.829	
5	8.175		.105			2.015		.104		
	8.070		.102			1.911		.102		
	7.968		.207			1.809		.206		
	24.213	8.071		1.036		5.735	1.912		1.035	
		42.607					8.209			

F.B. 2833 P.G. 19

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny - Windy Inst. No. 15066
Notes by F. E. Brooks Time 2:30 - 2:40 Rod No. 19 - 20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-146 To BM 48-147A
Date 9 Dec 60
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	8.231	42.607	.110	1.036		1.959	8.209	.111	1.035	BM 48-147A
	8.121		.112			1.848		.109		Pacific Coast Hwy 25' W.
	8.009		.222			1.739		.220		of Sta. A 314+55
	24.361	8.120		1.258		5.546	1.849		1.255	See F.B. 1369-145
										Summation of Run From B.M. 48-146 To B.M. 48-147A
										Total Backsights = + 50.727 Total Foresights = − 10.058 Diff. Elev. = + 40.669
										Backsight stadia = 1.258 Foresight Stadia = 1.255 Total Stadia = 2.513 = .16 mi
		50.727					10.058			

F.B. 2833 P.G. 21

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

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

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-147A To BM 48-146
Date 12-17-60
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	1618 1507 1398 4523	1508	111 109 220	220	#19 76°	7889 7779 7668 23336	7779	110 111 221	221	BM 48-147A Pacific Coast Hwy 25' W. of Sta A3144.55 See F.B. 1369-145
2	1932 1828 1723 5483	1828	104 105 209	429		8090 7987 7884 23961	7987	103 103 206	427	T Smith
3	1755 1651 1547 4953	1651	104 104 208	637		8251 8148 8043 24442	8147	103 105 208	635	
4	1358 1254 1151 3763	1254	104 103 207	844		8805 8702 8600 26107	8702	103 102 205	840	
5	1271 1168 1065 3504	1168	103 103 206	1050		8959 8854 8750 26563	8854	105 104 209	1049	
		7409					41469			

F.B. 2373 P.G. 21

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

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

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-147A To BM 48-146
Date 12-12-60
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	1209	7409	104	1050		7815	41469	107	1049	BM 48-146
	1105		105			7708		106		Pacific Coast Hwy near
	1000		209			7602		213		house # 32001
	3314	1105		1259		23125	7708		1262	See F.B. 1369-121

Summation of Run
From B.M. 48-147A
To B.M. 48-146

Total Backsights = + 8.514
Total Foresights = − 49.177
Diff. Elev. = − 40.663

Backsight stadia = 1.259
Foresight Stadia = 1.262
Total Stadia = 2.521
= .16 mi.

F.B. 2033 P.G. 22

8514 49177

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather CLEAR & WARM Inst. No. 15066
Notes by N. SMITH Time 9:45 - 9:55 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-147A To BM 48-147
Date 12-13-60
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	7339		185			3181		186		BM 48-147A
	7154		184			2995		185		Pacific Coast Hwy at
	6970		369			2810		371		Sta A 314+55
1	21463	7154		369	66°	8986	2995		371	See F.B. 1369-145
	6774		186			4916		187		π Barilotti
	6588		187			4729		183		
	6401					4546				
2	19763	6588	373	742		14191	4730	370	741	
	6225		60			7382		64		BM 48-147
	6165		60			7318		65		Pacific Coast Hwy near
	6105		120			7253		129		house # 32232
3	18495	6165		862		21953	7318		870	See F.B. 1369-122

Summation of Run
From B.M. 48-147A
To B.M. 48-147
Total Backsights = + 19.907
Total Foresights = − 15.043
Diff. Elev. = + 4.864 ✓

Backsight stadia = .862
Foresight Stadia = .870
Total Stadia = 1.732
= .11 mi.

F.B. 1369 P.G. 27

19907 ✓ 15043

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

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

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-147 To BM 48-147A
Date 12-14-60
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	7282 7218 7152		64 66 130		68°	6125 6065 6005		60 60 120		BM 48-147 Pacific Coast Hwy near house # 32232 See F.B. 1369-122
	21652	7217		130		18195	6065		120	
2	4951 4768 4585		183 183 366			6811 6621 6432		190 189 379		T Barilotti
	14304	4768		496		19864	6621		499	
3	3142 2957 2771		185 186 371			7302 7116 6930		186 186 372		BM 48-147A Pacific Coast Hwy at Sta A 314+55 See F.B. 1369-145
	8870	2957		867		21348	7116		871	
										Summation of Run From B.M. 48-147 To B.M 48-147A Total Backsights = + 14.942 Total Foresights = − 19.802 Diff. Elev. = − 4.860 Backsight stadia = 867 Foresight Stadia = 871 Total Stadia = 1738 = .33 Mi.
		14.942					19.802			

F.B. 2833 PG. 24

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks. Weather Sun-Wind Inst. No. 15066
Notes by N. Smith Time 10⁰⁰ - 10²⁵ Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-147 To BM 48-148
Date 12-13-60
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6996		186			4546		184		BM 48-147
	6810		186			4362		186		Pacific Coast Hwy. near
	6624					4176				house # 32232
1	20430	6810	372	372	66°	13084	4361	370	370	See F.B. 1369-122
	5947		185			4774		185		π Bailotti
	5762		184			4589		181		
	5578		369			4408		366		
2	17287	5762		741		13771	4590		736	
	6072		183			5086		185		
	5889		186			4901		183		
	5703		369			4718		368		
3	17664	5888		1110		14705	4902		1104	
	5851		125			5499		128		
	5726		125			5371		126		
	5601		250			5245		254		
4	17178	5726		1360		16115	5372		1358	
	7164		185			4413		186		
	6979		185			4227		183		
	6794		370			4044		369		
5	20937	6979		1730		12684	4228		1727	
		31165					23453			

F.B. 28733 P.G. 25

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Sunny Inst. No. 15066
Notes by: N. Smith Time: 10:00 - 10:25 Rod No. 19620

Name: L.A. Co. Precise Level Net
Job No. 0301.20
From BM 48-147 To BM 48-148
Date 12-13-60
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
				1730					1727	
	5755	31165	186			4772	23453	185		
	5569		184			4587		185		Summation for Run
	5385		370			4402		370		From B.M. 48-147
6	16709	5569		2160		13761	4587		2097	To B.M. 48-148
	5899		185			4552		184		
	5714		186			4368		187		Backsight stadia = 3548
	5528		371			4181		371		Foresight Stadia = 3541
7	17141	5714		2471		13101	4367		2468	Total Stadia = 7089
										= .45 m.
	5472		184			5166		184		
	5288		187			4982		183		Total Backsights = + 58.316
	5101		371			4799		367		Total Foresights = − 48.240
8	15861	5287		2842		14947	4982		2835	Diff. Elev. = + 10.076
	5555		185			4549		186		
	5370		185			4363		185		
	5185		370			4178		371		
9	16110	5370		3212		13090	4363		3206	
	5379		168			6656		168		B.M 48-148
	5211		168			6488		167		PACIFIC COAST HWY. NEAR
	5043		336			6321		335		HOUSE # 32606
10	15633	5211		3548		19465	6488		3541	SEE F.B. 1369-123
	58.316					48.240				

F.B. 2822 PG. 26

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: B. E. Brooks Weather: CLOUDY Inst. No. 15066
Notes by: N. SMITH Time: 1 50 2 20 Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0310.02
From B.M 48-148 To B.M. 48-147
Date 12-14-60
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6071		168		60°	4795		169		B.M 48-148
	5903		167			4626		169		PACIFIC COAST HWY. NEAR
	5736		335			4457		338		HOUSE # 32606
1	17710	5903		335		13878	4626		338	SEE FB. 1369-123
	4398		186			5404		184		
	4212		184			5220		185		
	4028		370			5035		369		
2	12638	4213		705		15659	5220		707	
	5090		184			5398		186		
	4906		185			5212		184		
	4721		369			5028		370		
3	14717	4906		1074		15638	5213		1077	
	4420		185			5765		184		
	4235		186			5581		187		
	4049		371			5394		371		
4	12704	4235		1445		16740	5580		1448	
	4587		185			5570		185		
	4402		186			5385		185		
	4216		371			5200		370		
5	13205	4402		1816		16155	5385		1818	
	23.659					26.024				

F.B. 2833 P.G. 27

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Cloudy Inst. No. 15066
Notes by N. Smith Time 1 50 2 20 Rod No. 19 - 20

Name L.A. Co. Precise Level Net
Job No. 0310.02
From BM 48-148 To BM 48-147
Date 12-14-60
Indexed E. E. Brooks

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
				1816					1818	
	4299	23.659	187			7048	26.024	186		Summation of Run
	4112		184			6862		184		From B.M. 48-148
	3928		371			6678		370		To B.M. 48-147
6	12339	4113		2187		20588	6863		2188	
	5350		127			5702		124		Total Backsights = + 46.555
	5223		125			5578		127		Total Foresights = − 56.635
	5098		252			5451		251		Diff. Elev. = − 10.080
7	15671	5224		2439		16731	5577		2439	
	4836		185			5822		183		Backsight stadia = 3.544
	4651		184			5639		186		Foresight Stadia = 3.545
	4467		369			5453		369		Total Stadia = 7.089
8	13954	4651		2808		16914	5638		2808	= .45
	4625		184			5799		184		
	4441		183			5615		184		
	4258		367			5431		368		
9	13324	4441		3175		16845	5615		3176	
	4652		185			7103		185		B.M. 48-147
	4467		184			6918		184		PACIFIC COAST HWY. NEAR
	4283		369			6734		369		HOUSE # 32253
10	13402	4467		3544		20755	6918		3545	SEE F.B. 1369-122
	46.555					56.635				

F.B. 1833 PG. 28

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks
Notes by: F. E. Brooks
Weather: Sunny
Time: 10:30 - 11:15
Inst. No.: 15066
Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 48-148 To: BM 48-149
Date: 13 Dec 60
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	5.172		.182			7.203		.184		BM 48-148
	4.990		.184			7.019		.184		Pacific Coast Hwy near house
	4.806		.366			6.835		.368		32606
	4.918	4.989		.366	66°	21.057	7.019		.368	See F.B. 1369-123
2	2.911		.181			7.191		.183		
	2.730		.184			7.008		.181		T Bailo Hi
	2.546		.365			6.827		.364		
	8.187	2.729		.731		21.026	7.009		.732	
3	2.749		.182			7.184		.180		
	2.567		.186			7.004		.180		
	2.381		.368			6.824		.360		
	7.697	2.566		1.099		21.012	7.004		1.092	
4	2.779		.185			6.913		.182		
	2.595		.184			6.731		.182		
	2.411		.369			6.549		.364		
	7.785	2.595		1.468		20.193	6.731		1.456	
5	3.758		.182			7.426		.183		
	3.176		.180			7.243		.182		
	2.996		.362			7.061		.365		
	9.530	3.177		1.830		21.730	7.243		1.821	
	16.056					35.006				

F.B. 1637 P.G. 29

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks Weather: Sunny Inst. No. 15066
Notes by: F. E. Brooks Time: 10:30 - 11:15 Rod No. 79-26

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 48-148 To: BM 48-149
Date: 13 Dec 60
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	3.310	16.056	.186	1.830		7.883	35.006	.184	1.821	
	3.124		.188			7.699		.181		
	2.941		.369			7.518		.365		
	9.375	3.125		2.199		23.100	7.700		2.186	
7	3.168		.181			7.770		.187		
	2.987		.181			7.583		.184		
	2.806		.362			7.399		.371		
	8.961	2.987		2.561		22.752	7.584		2.557	
8	1.740		.188			9.228		.183		
	1.552		.184			9.045		.183		
	1.368		.372			8.862		.366		
	4.660	1.553		2.937		27.135	9.045		2.927	
9	1.334		.146			9.411		.154		
	1.188		.146			9.257		.151		
	1.042		.292			9.106		.305		
	3.564	1.188		3.225		27.774	9.258		3.228	
10	1.436		.109			9.236		.111		
	1.327		.109			9.125		.112		
	1.218		.218			9.013		.223		
	3.981	1.327		3.443		27.374	9.125		3.451	
		26.236					77.718			

F.B. 2037 P.G. 30

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks Weather: Sunny Inst. No. 15066
Notes by: E. E. Brooks Time: 10:30 - 11:15 Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-148 To BM 48-149
Date: 13 Dec 60
Indexed: H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	1.628	26.236	.103	3.443		9.164	77.918	.104	3.451	
	1.525		.104			9.060		.104		
11	1.421		.207			8.956		.208		
	4.574	1.525		3.650		27.180	9.060		3.659	
	1.449		.090			8.610		.089		
	1.359		.089			8.521		.089		
12	1.270		.179			8.432		.178		
	4.078	1.359		3.829		25.563	8.521		3.837	
	1.232		.102			8.169		.101		
	1.130		.102			8.068		.104		
13	1.028		.204			7.964		.205		
	3.390	1.130		4.033		24.201	8.067		4.042	
	1.669		.178			9.173		.172		
	1.491		.177			9.001		.172		
14	1.314		.355			8.829		.344		
	4.474	1.491		4.388		27.003	9.001		4.386	
	2.229		.185			7.023		.184		
	2.044		.185			6.839		.186		
15	1.859		.370			6.653		.370		
	6.132	2.044		4.758		20.515	6.838		4.756	
		33.785					119.205			

F.B. 2837 P.G. 31

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Sunny Inst. No.: 15066
Notes by: E. E. Brooks Time: 10:30 - 11:15 Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 48-148 To: BM 48-149
Date: 13 Dec 60
Indexed: D. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.194	33.785	.187	4.758		2.823	119.205	.184	4.752	
	4.007		.187			2.639		.187		
16	3.820		.374			2.452		.371		
	12.021	4.007		5.132		7.914	2.638		5.127	
	6.418		.077			4.282		.078		BM 48-149
	6.341		.077			4.204		.076		Pacific Coast Hwy near
19	6.264		.154			4.128		.154		Decker Rd.
	19.023	6.341		5.286		12.614	4.205		5.281	See F.B. 1369-149
										Summation of Run From B.M. 48-148 To B.M. 48-149
										Total Backsights = + 44.133 Total Foresights = − 126.048 Diff. Elev. = − 81.915
										Backsight stadia = 5.286
										Foresight Stadia = 5.281 Total Stadia = 10.567 = .67 mi.
	44.133					126.048				

F.B. 1432 P.G. 32

76P526-CE 379--10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sun-wind Inst. No. 15066
Notes by Esquer Time 12:50 - 1:45 Rod No. 19-20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 48-149 To BM 48-148
Date 12-14-60
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	4214		077			6352		077		BM 48-149
	4137		077			6275		076		Pacific Coast Hwy near
	4060		154			6199		153		Decker Rd.
	12411	4137		154	72°	18826	6275		153	See F.B. 1369-124
2	2918		180			4285		184		T Borilotti
	2738		182			4101		183		
	2556		362			3918		367		
	8212	2737		516		12304	4101		520	
3	6851		185			2058		186		
	6666		184			1872		183		
	6482		369			1689		369		
	19999	6666		885		5619	1873		889	
4	8909		174			1403		179		
	8735		172			1224		180		
	8563		346			1044		359		
	26207	8736		1231		3671	1224		1248	
5	7948		102			1014		103		
	7846		104			0911		103		
	7742		206			0808		206		
	23536	7845		1437		2733	0911		1454	
	30121					14384				
	31									

F.B. 2037 P.G. 37

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Sun - Wind Inst. No. 15066
Notes by Esquer Time 1:50 - 1:45 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-149 To BM 48-148
Date 12-14-60
Indexed H. E. On

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	8509	30.121	091	1937		1340	14.384	086	1454	
	8418		091			1254		087		
	8327		182			1167		173		
	25254	8418		1619		3761	1254		1627	
7	8951		102			1418		105		
	8849		104			1313		102		
	8745		206			1211		207		
	26545	8848		1825		3942	1314		1834	
8	8964		108			1165		107		
	8856		112			1058		111		
	8744		220			0947		218		
	26564	8855		2045		3170	1057		2052	
9	9205		146			1141		149		
	9059		148			0992		149		
	8911		294			0843		298		
	27175	9058		2339		2996	0992		2350	
10	9057		185			1563		184		
	8872		183			1379		181		
	8689		368			1198		365		
	26618	8873		2707		4140	1380		2715	
		74.173					20.381			

F.B. 2833 P.G. 74

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Sun-wind Inst. No.: 15066
Notes by: Esquer Time: 12:50 - 1:45 Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 48-149 To: BM 48-148
Date: 10-14-60
Indexed: H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
11	7466	74.173	182	2107		2871	20.381	184	2715	
	7284		183			2687		183		
	7101		365			2504		367		
	21851	7284		3072		8062	2687		3082	
12	7613		184			3033		180		
	7429		187			2853		180		
	7242		371			2673		360		
	22284	7428		3443		8559	2853		3442	
13	7223		182			3157		182		
	7041		181			2975		182		
	6860		363			2793		364		
	21124	7041		3806		8925	2975		3806	
14	6705		181			2572		186		
	6524		180			2386		184		
	6344		361			2202		370		
	19573	6524		4167		7160	2387		4176	
15	7130		186			2689		181		
	6944		184			2508		181		
	6760		370			2327		362		
	20834	6945		4537		7524	2508		4538	
	109.395					23.791				

F.B. 2837 P.G. 36

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks
Weather: Sun - Wind
Inst. No.: 15066
Notes by: Esquer
Time: 12:50 - 1:45
Rod No.: 19 - 20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 48 - 149 To: BM 48 - 148
Date: 12-14-60
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
16	6970	109.395	182	4537		2691	33.791	184	4538	
	6788		183			2507		182		
	6605		375			2325		366		
	20363	6788		4912		7523	2508		4904	
17	7032		187			4999		182		BM 48 - 148
	6845		188			4817		181		Pacific Coast Hwy near
	6659		375			4636		363		house # 32606
	20536	6845		5287		14452	4817		5267	
										Summation of Run From B.M. 48 - 149 To B.M. 48 - 148
										Total Backsights = + 123.028 Total Foresights = - 41.116 Diff. Elev. = + 81.912
										Backsight stadia = 5.287 Foresight Stadia = 5.267 Total Stadia = 10.554 = .69 mi.
	123.028					41.116				

F.B. 2872 PG. 36

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: V. E. Brooks
Notes by: N. SMITH
Weather: CLEAR
Time: 11²⁰ 12⁰³
Inst. No.: 15066
Rod No.: 19-20

Name: L.A. Co. Precise Level Nat
Job No.: 0301.02
From: BM 48-149 To: BM 48-150A
Date: 12-13-60
Indexed: H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	2738		115		74°	5412		111		BM 48-149
	2623		112			5301		112		Pacific Coast Hwy near
	2511		227			5189		223		Decker Rd.
1	7872	2624		227		15902	5301		223	See F.B. 1369-124
	1169		143			6776		154		T. R. RODRIGUEZ
	1026		145			6622		151		
	0881		288			6471		305		
2	3076	1025		515		19869	6623		528	
	4021		187			5669		180		
	3834		185			5489		180		
	3649		372			5309		360		
3	11504	3835		887		16467	5489		888	
	7194		183			2857		185		
	7011		182			2672		181		
	6829		365			2491		366		
4	21034	7011		1252		8020	2673		1254	
	8272		181			2401		180		
	8091		182			2221		179		
	7909		363			2042		359		
5	24272	8091		1615		6664	2222		1613	
	22586					22308				

F.B. 2833 P.G. 37

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

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

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-149 To BM 48-150A
Date 12-13-60
Indexed H. E. Ott

Number of Station	BACKSIGHT 1615 Thread Readings	Mean 22586	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT 1613 Thread Readings	Mean 22308	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	8223		182			2298		183		
	8041		182			2115		186		
	7859		364			1929		369		
6	24123	8041		1979		6342	2114		1982	
	8065		182			2489		184		
	7883		182			2305		184		
	7701		364			2121		368		
7	23649	7883		2343		6915	2305		2350	
	8039		181			2749		186		
	7858		183			2563		184		
	7675		364			1979		370		
8	23572	7857		2707		6491	2164		2720	
	8379		204			2879		204		
	8175		202			2675		200		
	7973		406			2475		404		
9	24527	8176		3113		8029	2676		3124	
	6611		189			2835		181		
	6422		185			2654		179		
	6237		374			2475		360		
10	19270	6423		3487		7964	2655		3484	
		60966					34222			

F.B. 2833 P.G. 38

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

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

Name L.A. Co. Precise Level Net
Job No. 030162
From BM 48-149 To BM 48-150 A
Date 12-13-62
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
		60966		3487			34222		3484	
	6928		186		74°	4469		181		
	6742		183			4288		184		
	6559		369			4104		365		
11	20229	6743		3856		12861	4287		3849	
	5588		56			5812		61		BM 48-150A
	5532		53			5751		62		Pacific Coast Hwy 0.5 mi
	5479		109			5689		123		W. of Decker Rd.
12	16599	5533		3965		17252	5751		3972	See F.B. 1369-146

Summation of Run
From B.M. 48-149
To B.M 48-150A

Total Backsights = + 73.242
Total Foresights = − 44.260
Diff. Elev. = + 28.982

Backsight stadia = 3965
Foresight Stadia = 3972
Total Stadia = 7.937
= .50 mi.

F.B. 1833 P.G. 39

73242 44260

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brock Weather WINDY Inst. No. 15066
Notes by N. SMITH Time 11:15 11:45 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-150A To BM 48-149
Date 12-14-60
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5779		060		66°	5559		57		BM 48-150A
	5719		58			5502		55		Pacific Coast Hwy 0.5 mi.
	5661		118			5447		112		W. of Decker Rd.
1	17159	5720		118		16508	5503		112	See F.B. 1369-145
	4439		187			6892		183		T Rodriguez
	4252		183			6709		186		
	4069		370			6523		369		
2	12760	4253		488		20124	6708		481	
	3699		182			7469		184		
	3517		186			7285		183		
	3331		368			7102		367		
3	10547	3516		856		21856	7285		848	
	2865		200			8363		201		
	2665		203			8162		201		
	2462		403			7961		402		
4	7992	2664		1259		24486	8162		1250	
	2347		186			8035		184		
	2161		184			7851		182		
	1977		370			7669		366		
5	6485	2162		1629		23555	7852		1616	
		18315					35510			

F.B. 2833 P.G. 46

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: WINDY Inst. No.: 15066
Notes by: N. SMITH Time: 11 15 11 45 Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 48-150A To: BM 48-149
Date: 12-14-60
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean 18.315	Thread Intervals	Sum of Intervals 1629	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean 35.510	Thread Intervals	Sum of Intervals 1616	DESCRIPTION AND REMARKS
	2495		180			8079		190		
	2315		178			7889		186		
	2137		358			7703		376		
6	6947	2316		1987		23671	7890		1992	
	2309		185			8231		182		
	2124		183			8049		180		
	1941		368			7869		362		
7	6374	2125		2355		24149	8050		2354	
	2448		180			8319		187		
	2268		179			8132		183		
	2089		359			7949		370		
8	6805	2268		2714		24400	8133		2724	
	2767		185			7099		178		
	2582		187			6921		180		
	2395		372			6741		358		
9	7744	2581		3086		20761	6920		3082	
	5615		186			3961		186		
	5429		184			3775		184		
	5245		370			3591		370		
10	16289	5430		3456		11327	3776		3452	
		33.035					70.279			

F.B. 7833 P.G. 41

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: WINDY Inst. No. 15066
Notes by: N. SMITH Time: 11'5 11'45 Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301 62
From: BM 48-150A To: BM 48-149
Date: 12-14-60
Indexed: H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
		33.035		3456			70279		3452	
	6849		150			1245		144		
	6699		154			1101		146		
	6545		304			0955		290		
11	20099	6700		3760		3301	1100		3742	
	5379		108			2711		118		BM 48-149
	5271		107			2593		118		Pacific Coast Hwy near
	5164		215			2475		236		Decker Rd.
12	15814	5271		3975		7779	2593		3978	See F.B. 1369-124
										Summation of Run From B.M. 48-150 A To B.M. 48-149
										Total Backsights = + 45.006 Total Foresights = − 73.972 Diff. Elev. = − 28.966
										Backsight stadia = 3975 Foresight Stadia = 3978 Total Stadia = 7953 = .50 Mi
		45006					73972			

F.B. 2823 P.G. 42

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather overcast Inst. No. 15066
Notes by F. E. Brooks Time 9:25 - 10:05 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-149 To BM 48-150A
Date 15 Dec 68 F.E. Ott
Indexed

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	2.667		.115			5.342		.111		BM 48-149
	2.552		.111			5.231		.112		Pacific Coast Hwy.
1	2.441		.226			5.119		.223		near Decker Rd.
	7.660	2.553		.226	64	15.692	5.231		.223	See F.B. 1369-124
	1.179		.142			6.787		.155		
	1.037		.146			6.632		.151		T Rodriguez
2	0.891		.368			6.481		.306		
	3.107	1.036		.594		19.900	6.633		.529	
	4.059		.178			5.729		.190		
	3.881		.175			5.539		.194		
3	3.706		.353			5.345		.384		
	11.646	3.882		.947		16.613	5.538		.913	
	7.069		.178			2.741		.189		
	6.891		.176			2.552		.185		
4	6.715		.354			2.367		.374		
	20.675	6.892		1.301		7.660	2.553		1.287	
	8.239		.178			2.379		.187		
	8.061		.180			2.192		.183		
5	7.881		.358			2.009		.370		
	24.181	8.060		1.659		6.580	2.193		1.657	
		22.423					22.148			

F.B. 0873 P.G. 43

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks Weather: overcast Inst. No. 15066
Notes by: F. E. Brooks Time: 9:25 - 10:05 Rod No. 19 - 20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM48-149A To: BM48-150A
Date: 15 Dec 60
Indexed: H. E. Oh

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	8.282	22.423	.183	1.659		2.359	22.148	.184	1.657	
	8.099		.180			2.175		.183		
6	7.919		.363			1.992		.367		
	24.300	8.100		2.022		6.526	2.175		2.024	
	8.092		.181			2.519		.184		
	7.911		.182			2.335		.186		
7	7.729		.363			2.149		.370		
	23.732	7.911		2.385		7.003	2.334		2.394	
	8.198		.183			2.509		.185		
	8.015		.183			2.324		.183		
8	7.832		.366			2.141		.368		
	24.045	8.015		2.751		6.974	2.325		2.762	
	8.449		.209			2.942		.197		
	8.240		.205			2.745		.198		
9	8.035		.414			2.547		.395		
	24.724	8.241		3.165		8.234	2.745		3.157	
	7.564		.185			3.795		.183		
	7.379		.182			3.612		.183		
	7.197		.369			3.429		.366		
	22.140	7.380		3.532		10.836	3.612		3.523	
		62.070					35.339			

F.B. 2833 PG. 44

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Overcast Inst. No. 15066
Notes by F. E. Brooks Time 9:25 - 10:05 Rod No. 19 - 20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-149 To BM 48-150A
Date 15 Dec 60
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6.949	62.070	.190	3.532		4.485	35.339	.180	3.523	
	6.759		.188			4.305		.180		
11	6.571		.378			4.125		360		
	20.279	6.760		3.910		12.915	4.305		3.883	
	5.681		.054			5.908		.063		BM 48-150A
	5.627		.054			5.845		.064		Pacific Coast Hwy 0.5 mi W
12	5.573		.108			5.781		.127		of Decker Rd.
	16.881	5.627		4.018		17.534	5.845		4.010	See F.B. 1369-146
										Summation of Run From B.M. 48-149 To B.M. 48-150A
										Total Backsights = + 74.457 Total Foresights = − 45.489 Diff. Elev. = + 28.968
										Backsight stadia = 4.018 Foresight Stadia = 4.010 Total Stadia = 8.028 = .50 mi.
		74.457					45.489			

F.B. 2037 P.G. 45

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party..... 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. 2837 PG. 44

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny Inst. No. 15066
Notes by F. E. Brooks Time 1:05 - 1:25 Rod No. 19-20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 48-150A To BM 48-150
Date 13 Dec 60
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6.609		.128			5.204		.123		BM 48-150A
	6.481		.132			5.081		.126		Pacific Coast Hwy 0.50
1.	6.349		.260			4.955		.249		mi. W. of Decker Rd
	19.439	6.480		.260	76°	15.240	5.080		.249	See F.B. 1369-146
	5.789		.180			5.101		.189		T Rodriguez
	5.609		.180			4.912		.187		
2.	5.429		.360			4.725		.376		
	16.827	5.609		.620		14.738	4.913		.625	
	5.632		.184			5.362		.190		
	5.448		.184			5.172		.187		
3	5.264		.368			4.985		.377		
	16.344	5.448		.988		15.519	5.173		1.002	
	6.088		.191			4.949		.185		
	5.897		.189			4.764		.182		
4.	5.708		.380			4.582		.367		
	17.693	5.898		1.368		14.295	4.765		1.369	
	5.841		.184			5.007		.186		
	5.657		.185			4.821		.185		
5.	5.472		.369			4.636		.371		
	16.970	5.657		1.737		14.464	4.821		1.740	
	29.092					24.752				

F.B. 1373 P.G. 47

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny Inst. No. 15066
Notes by F. E. Brooks Time 1:05 - 1:25 Rod No. 19-20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 48-150A To BM 48-150
Date 13 Dec 60
Indexed D. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	5.677	29.092	.142	1.737		5.809	24.752	.141	1.740	BM 48-150
	5.535		.144			5.668		.142		Pacific Coast Hwy 0.85
	5.391		.286			5.526		.283		mi W. of Decker Rd.
	16.603	5.534		2.023		17.003	5.668		2.023	See F.B. 1369-125
										Summation of Run From B.M. 48-150A To B.M. 48-150
										Total Backsights = + 34.626 Total Foresights = − 30.420 Diff. Elev. = + 4.206
										Backsight stadia = 2.023 Foresight Stadia = 2.023 Total Stadia = 4.046 = .26 mi
	34.626					30.420				

F.B. 1833 P.G. 48

76P526-CE 379---10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

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

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 48-150 To: BM 48-150A
Date: 14 Dec 60
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5.722		.141			5.589		.141		BM 48-150
	5.581		.142			5.448		.141		Pacific Coast Hwy 0.85 mi
1	5.439		.283			5.307		.282		W. of Decker Rd.
	16.742	5.581		.283	46°	16.344	5.448		.282	See F.B. 1369-125
	5.023		.184			5.859		.186		T. Rodriguez
	4.839		.187			5.673		.182		
2	4.652		.371			5.491		.368		
	14.514	4.838		.554		17.023	5.674		.550	
	4.888		.186			6.021		.188		
	4.702		.190			5.833		.184		
3	4.512		.376			5.649		.372		
	14.102	4.701		1.030		17.503	5.834		1.022	
	5.289		.184			5.565		.184		
	5.105		.186			5.381		.187		
4	4.919		.370			5.194		.371		
	15.313	5.104		1.400		16.140	5.380		1.393	
	5.047		.186			5.741		.186		
	4.861		.184			5.557		.185		
5	4.677		.370			5.372		.371		
	14.585	4.862		1.770		16.670	5.557		1.764	
	15.086					17.893				

F.B. 1373 P.G. 49

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

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

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 48-150 To: BM 48-150A
Date: 14 Dec 60
Indexed: D. E. OH

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	5.192	25.086	123	1.770		6.599	29.893	.130	1.764	BM 48-150A
	5.069		.127			6.469		.128		Pacific Coast Hwy 0.50 mi
6	4.942		.250			6.341		.258		W. of Decker Rd.
	15.203	5.068		2.020		19.409	6.470		2.022	See F.B. 1369-146
										Summation of Run From B.M. 48-150 To B.M. 48-150A
										Total Backsights = + 30.154 Total Foresights = - 34.363 Diff. Elev. - 4.209
										Backsight stadia = 2.020 Foresight Stadia = 2.022 Total Stadia = 4.042 = .26 mi.
	30.154					34.363				

F.B. 1373 PG. 50

76P526-CE 379--10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: CLEAR Inst. No.: 15066
Notes by: N. SMITH Time: 1:30 - 2:10 Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 48-150 To: BM 48-151
Date: 12-13-60
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6498		187		76°	5676		185		BM 48-150
	6311		186			5491		186		Pacific Coast Hwy at
	6125		373			5305		371		sta R12+00.2
1	18934	6311		373		16472	5491		371	see F.B. 1369-125
	4268		183			7079		184		π BARILOTTI
	4085		183			6895		183		
	3902		366			6712		367		
2	12255	4085		739		20686	6895		738	
	2620		184			8555		186		
	2436		183			8369		184		
	2253		367			8185		370		
3	7309	2436		1106		25109	8370		1108	
	1705		197			9053		204		
	1508		199			8849		204		
	1309		396			8645		408		
4	4527	1507		1502		26547	8849		1516	
	3603		182			5839		184		
	3421		183			5655		184		
	3238		365			5471		368		
5	10262	3421		1867		16965	5655		1884	
		17760					35260			

F.B. 2833 P.G. 57

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks
Notes by: N. SMITH
Weather: CLEAR
Time: 1:30 - 2:10
Inst. No.: 15066
Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 48-150 To: BM 48-151
Date: 12-12-60
Indexed: H. E. OH

Number of Station	BACKSIGHT 1867 Thread Readings	Mean 17.760	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT 1884 Thread Readings	Mean 35.260	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5019		187			5653		179		
	4832		189			5474		177		
	4643		376			5297		356		
6	14494	4831		2243		16424	5475		2240	
	5479		186			2663		180		
	5293		184			2483		182		
	5109		370			2301		362		
7	15881	5294		2613		7447	2482		2602	
	9591		186			0645		187		
	9405		182			0458		187		
	9223		368			0271		374		
8	28219	9406		2981		1374	0458		2976	
	9881		183			1530		186		
	9698		185			1344		186		
	9513		368			1158		372		
9	29092	9697		3349		4032	1344		3348	
	9036		186			2051		188		
	8850		187			1863		187		
	8663		373			1676		375		
10	26549	8850		3722		5590	1863		3723	
	55838					46882				

F.B. 2833 PG. 52

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks
Weather: CLEAR
Inst. No.: 15066
Notes by: N. SMITH
Time: 13° 2 20
Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 48-150 To: BM 48-151
Date: 12-13-60
Indexed: H. E. Orr

Number of Station	BACKSIGHT 3722 Thread Readings	Mean 55.838	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT 3723 Thread Readings	Mean 46.882	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	8951		184		74°	1384		186		Summation of Run
	8765		185			1198		188		From B.M. 48-150
	8580		369			1010		374		To B.M. 48-151
11	26296	8765		4091		3592	1197		4097	
	8572		184			2977		185		Total Backsights = + 86.078
	8388		187			2792		187		Total Foresights = − 61.857
	8201		371			2605		372		Diff. Elev. = + 24.221
12	25161	8387		4462		8374	2791		4469	
	7113		185			4428		187		Backsight stadia = 5009
	6928		184			4241		187		Foresight Stadia = 5012
	6744		369			4054		374		Total Stadia = 10,021
13	20785	6928		4831		12723	4241		4843	.635 mi.
	6249		90			6830		84		BM 48-151
	6159		88			6746		85		PACIFIC COAST HWY AT STATE
	6071		178			6661		169		HWY STA. A-178+87
14	18479	6160		5009		20237	6746		5012	SEE FB 1369-128
		86.078					61.857			

F.B. 2833 P.G. 53

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks
Notes by: N. SMITH
Weather: WINDY
Time: 10^15 - 10^50
Inst. No.: 15066
Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM48.151 To: BM48.150
Date: 12-14-60
Indexed: E. OTI

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	6604		87			6017		86		BM48-151
	6517		89			5931		83		PACIFIC COAST HWY AT STATE
	6428		176			5848		169		HWY STA. A 178+87
1	19549	6516		176		17796	5932		169	SEE FB 1369-128
	4271		184			6959		186		T BARILOTTI
	4087		188			6773		184		
	3899		372			6589		370		
2	12257	4086		548		20321	6774		539	
	2881		185			8477		185		
	2696		187			8292		187		
	2509		372			8105		372		
3	8086	2695		920		24874	8291		911	
	1186		183			8764		189		
	1003		182			8575		189		
	0821		365			8386		378		
4	30101003			1285		25725	8575		1289	
	1889		188			8874		186		
	1701		187			8688		188		
	1514		375			8500		374		
5	5104	1701		1660		26062	8687		1663	
		16001					38259			

F.B. 2837 P.G. 54

76P526-CE 378—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather WINDY Inst. No. 15066
Notes by N. SMITH Time 10[15] 10[50] Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-151 To BM 48-150
Date 12-14-60
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean 16.001	Thread Intervals	Sum of Intervals 1660	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean 38.259	Thread Intervals	Sum of Intervals 1663	DESCRIPTION AND REMARKS
	1385		188			9738		185		
	1197		186			9553		185		
	1011		374			9368		370		
6	3593	1198		2034		28659	9553		2033	
	0589		188			9538		187		
	0401		186			9351		183		
	0215		374			9168		370		
7	1205	0402		2408		28057	9352		2403	
	2488		184			5299		183		
	2304		183			5116		185		
	2121		367			4931		368		
8	6913	2.304		2775		15346	5115		2771	
	5473		183			4832		183		
	5290		184			4649		187		
	5106		367			4462		370		
9	15869	5290		3142		13943	4648		3141	
	5587		185			3355		185		
	5402		183			3170		185		
	5219		368			2985		370		
10	16208	5403		3510		9510	3170		3511	
	30.598					70097				

F.B. 2833 P.G. 55

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: WINDY Inst. No. 15066
Notes by: N. SMITH Time: 10^15 - 10^50 Rod No. 19-20

Name: LA. Co. Precise Level Net
Job No. 0301.02
From BM 48-151 To BM 48-150
Date 12-14-60
Indexed M. E. OH

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
		30.598		3510			70.097		3511	
	8840		203			1495		200		Summation of Run
	8637		203			1295		200		From B.M. 48-151
	8434		406			1095		400		To B.M. 48-150
11	25911	8637		3916		3885	1295		3911	Total Backsights = + 59.866
	8528		186			2591		184		Total Foresights = − 84.097
	8342		185			2407		184		Diff. Elev. = −24.231
	8157		371			2223		368		
12	25027	8342		4287		7221	2407		4279	Backsight stadia = 5018
										~~Foresight Stadia = 5020~~
	7050		183			4239		183		Total Stadia = 10.038
	6867		182			4056		185		= .63 mi
	6685		365			3871		368		
13	20602	6867		4652		12166	4055		4647	
	5604		181			6430		187		BM 48-150
	5423		185			6243		186		Pacif Coast Hwy at Sta
	5238		366			6057		373		R 12+00.2
14	16265	5422		5018		18730	6243		5020	See F.B. 1369-125
	59.866					84.097				

F.B. 2833 PG. 56

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks Weather: Sunny Inst. No.: 15066
Notes by: F. E. Brooks Time: 2:15 - Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 48-151 To: BM 48-152
Date: 13 Dec. 60
Indexed: H. E. on

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	5.405 5.222 5.035		.183 .187 .370			5.688 5.506 5.323		.182 .183 .365		BM 48-151 Pacific Coast Hwy at Sta A 178+87 See F.B. 1369-126
	15.662	5.221		.370	79°	16.517	5.506		.365	
2	4.861 4.674 4.485		.187 .189 .376			5.405 5.221 5.033		.184 .188 .372		π Esgover
	14.020	4.673		.746		15.659	5.220		.737	
3	4.355 4.168 3.983		.187 .185 .372			5.455 5.270 5.085		.185 .185 .370		
	12.506	4.169		1.118		15.810	5.270		1.107	
4	4.618 4.432 4.248		.186 .184 .370			5.730 5.542 5.353		.188 .189 .377		
	13.298	4.433		1.488		16.625	5.542		1.484	
5.	4.259 4.072 3.889		.187 .183 .370			4.586 4.401 4.218		.185 .183 .368		
	12.220	4.073		1.858		13.205	4.402		1.852	
	22.569					25.940				

F.B. 1833 P.G. 57

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks — Weather: Sunny — Inst. No.: 15066
Notes by: F. E. Brooks — Time: 2:15 - 3:00 — Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0501.02
From: BM 48-151 To: BM 48-152
Date: 13 Dec 60
Indexed: H. E. O.

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4.660	22.569	.189	1.858		4.750	25.940	.184	1.852	
	4.471		.185			4.566		.184		
6	4.286		.374			4.382		.368		
	13.417	4.472		2.232		13.698	4.566		2.220	
	5.101		.185			5.965		.185		
	4.916		.186			5.780		.189		
7	4.730		.371			5.591		.374		
	14.747	4.916		2.603		17.336	5.779		2.594	
	4.245		.082			4.639		.091		BM 48-152
	4.163		.082			4.548		.089		Pacific Coast Hwy at Sta.
8	4.081		.164			4.459		.180		160+42
	12.489	4.163		2.767		13.646	4.549		2.774	see F.B. 1369-127
	36.120					40.834				

F.B. 2857 P.G. 58

Summation of Run
From B.M. 48-151
To B.M. 48-152

Total Backsights = + 36.120
Total Foresights = − 40.834
Diff. Elev. = − 4.714

Backsight stadia = 2.767
Foresight Stadia = 2.774
Total Stadia = 5.541
= .35 mi.

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny Inst. No. 15066
Notes by N. Smith Time 9:35 - 10:10 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-152 To BM 48-151
Date 12-14-60
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4608		88		66°	4220		85		BM 48-152
	4520		88			4135		81		Pacific Coast Hwy at Sta
1	4432		176			4054		166		160+ 4R
	13560	4520		176		12409	4136		166	See F.B. 1369 - 129
	5951		183			5095		188		π Esquer
	5768		180			4907		188		
2	5588		363			4719		376		
	17307	5769		539		14721	4907		542	
	4908		185			4815		186		
	4723		187			4629		195		
3	4536		372			4444		371		
	14167	4722		911		13888	4629		913	
	4655		186			4326		185		
	4469		182			4141		185		
4	4287		368			3956		370		
	13411	4470		1279		12423	4141		1283	
	5623		184			4515		189		
	5439		188			4326		185		
5	5251		372			4141		374		
	16313	5438		1651		12982	4327		1657	
	24.919'					22.140				

F.B. 2833 P.G. 59

76P526-CE 379—10-37

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Sunny Inst. No.: 15066
Notes by: N. Smith Time: 9:35 10:10 Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 48-152 To: BM 48-151
Date: 12-14-60
Indexed: H. E. Or

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals 1651	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals 1657	DESCRIPTION AND REMARKS
6	5283	24.919	185			4181	22.140	187		
	5098		189			3994		186		
	4909		374			3808		373		
	15290	5097		2025		11983	3994		2030	
7	5375		187			4830		185		
	5188		183			4645		185		
	5005		370			4460		370		
	15568	5189		2395		13935	4645		2400	
8	5839		188			5551		186		BM 48-151
	5651		184			5365		184		Pacific Coast Hwy at
	5467		372			5181		370		Sta A 178+87
	16957	5652		2767		16097	5366		2770	See F.B. 1369-126
										Summation of Run
										From B.M. 48-152
										To B.M. 48-151
										Total Backsights = + 40.857
										Total Foresights = − 36.145
										Diff. Elev. = + 4.712
										Backsight stadia = 2.768
										Foresight Stadia = 2.770
	40.857					36.145				Total Stadia = 5.537 = .35 mi.

F.B. 2823 PG. 60

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather hazy Inst. No. 15066
Notes by F.E.B. Esquer Time 10:25-11:00 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-152 To BM 48-153
Date 15 Dec 60
Indexed B. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	1.692		.152			7.881		.148		BM 48-152
	1.540		.151			7.733		.149		Pacific Coast Hwy at
	1.389		.303			7.584		.297		Sta 160+42
	4.621	1.540		.303	68°	23.198	7.733		.297	See F.B. 1369-127
2	2.028		.148			9.291		.146		
	1.880		.147			9.145		.146		π Bariloti
	1.733		.295			8.999		.292		
	5.641	1.880		.598		27.435	9.145		.589	
3	0.682		.151			10.771		.148		
	0.531		.147			10.623		.146		
	0.384		.298			10.477		.294		
	1.597	0.532		.896		31.871	10.624		.883	
4	1.235		.106			10.052		.113		
	1.129		.108			9.939		.114		
	1.021		.214			9.825		.227		
	3.385	1.128		1.110		29.816	9.939		1.110	
5	0.970		110			9.533		.110		
	0.860		110			9.423		.110		
	0.750		.220			9.313		.220		
	2.580	0.860		1.330		28.269	9.423		1.330	
		5.940					46.864 ✓			

F.B. 2833 P.G. 61

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Hazy Inst. No. 15066
Notes by Esquer Time 10:25 - 11:00 Rod No. 19 20

Name L.A. Co. Precise Level Net
Job No. 0301-02
From BM 48-152 To BM 48-153
Date 12-15-60
Indexed H. E. OT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	1142	5940	111	1330		9355	46864	111	1330	
	1031		111			9244		111		
	0920		222			9133		222		
	3093	1031		1.552		27732	9244		1.552	
7	1543		108			9270		111		
	1435		111			9159		111		
	1324		219			9048		222		
	4302	1434		1.771		27477	9159		1.774	
8	1347		111			9467		111		
	1236		111			9356		111		
	1125		222			9245		222		
	3708	1236		1.993		28068	9356		1.996	
F.B. 2833 P.G. 62 9	0957		113			9884		110		
	0844		111			9774		110		
	0731		224			9664		220		
	2532	0844		2.217		29322	9774		2.216	
10	1282		112			9775		110		
	1170		111			9665		110		
	1059		223			9555		220		
	3511	1170		2.440		28995	9665		2.436	
		11.655					94062			

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Hazy Inst. No. 15066
Notes by Esquer Time 10:25 - 11:00 Rod No. 19 - 20

Name LA. Co. Precise Level Net
Job No. 0301.02
From BM 48-152 To BM 48-153
Date 12-15-60
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
11	1122	11655	111	2440	#19	9952	94062	110	2436	T Barilotti
	1011		111			9842		110		
	0900		222			9732		220		Summation of Run
	3033	1011		2.666	68°	29526	9842		2.656	From B.M. 48-152 To B.M. 48-153
12	1133		111			10172		110		
	1022		110			10062		111		Total Backsights = + 15.431
	0912		221			9951		221		Total Foresights = −134.221
	3067	1022		2.887		30185	10062		2.877	Diff. Elev. = −118.790
13	0591		108			10237		114		Backsight stadia = 3.359
	0483		109			10123		112		Foresight Stadia = 3.366
	0374		217			10011		226		Total Stadia = 6.725
	1448	0483		3.104		30371	10124		3.103	.43 mi.
14	1388		128			10262		131		BM 48-153
	1260		127			10131		132		Pacific Coast Hwy 500 ft
	1133		255			9999		263		E. of Arroyo Seguit
	3781	1260		3.359		30392	10131		3.366	See F.B. 1369-128

15.431 134221

F.B. 2433 P.G. 63

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

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

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-153 To BM 48-152
Date 12-15-60
Indexed B.E.

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	10138		129		#19	1266		128		BM 48-153
	10009		131			1138		127		Pacific Coast Hwy. 500 ft.
	9878		260			1011		255		E. of Arroyo Sequit
	30025	10008		260	66°	3415	1138		255	See F.B. 1369-128
2	10171		111			0530		110		T Barilotti
	10060		109			0420		110		
	9951		220			0310		220		
	30182	10061		480		1260	0420		475	
3	10084		110			1049		112		
	9974		109			0937		114		
	9865		219			0823		226		
	29923	9974		699		2809	0936		701	
4	9998		114			1165		110		
	9884		111			1055		111		
	9773		225			0944		221		
	29655	9885		924		3164	1055		922	
5	9692		111			1200		111		
	9581		109			1089		113		
	9472		220			0976		224		
	28745	9582		1144		3265	1088		1146	
	49.510					4.637				

F.B. 2833 PG. 64

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

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

LA. Co. Precise Level Net
Name
Job No. 0301.02
From BM 48-153 To BM 48-152
Date 12-15-60
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	9918	49.510		1144		0991	4.639		1146	
6	9808		110			0878		113		
	9698		110			0765		113		
			220					226		
	29424	9808		1364		2634	0878		1372	
	9379		110			1262		111		
7	9269		110			1151		111		
	9159		220			1040		222		
	27807	9269		1584		3453	1151		1594	
	9364		114			1633		107		
8	9250		112			1526		107		
	9138		226			1419		214		
	27752	9251		1810		4578	1526		1808	
	9271		110			1059		110		
9	9161		110			0949		110		
	9051		220			0839		220		
	27483	9161		2030		2847	0949		2028	
	9559		109			0998		113		
10	9450		111			0885		112		
	9339		220			0773		225		
	28348	9449		2250		2656	0885		2253	
		96.448					10.026			

F.B. 2833 P.G. 65

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

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

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-153 To BM 48-152
Date 10-15-60
Indexed G. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
11	10041	9.448	111	2250		1229	10.026	110	2253	T Borilotti
	9930		111			1119		109		
	9819		222			1010		219		Summation of Run
	29790	9930		2472		3358	1119		2472	From B.M. 48-153
										To B.M. 48-152
12	10790		150			0695		146		
	10640		149			0549		148		Total Backsights = + 134.249
	10491		299			0401		294		Total Foresights = — 15.466
	31921	10640		2771		1645	0548		2766	Diff. Elev. = + 118.783
13	9498		147			2231		147		
	9351		150			2089		146		Backsight stadia = 3.369
	9201		297			1938		293		Foresight Stadia = 3.358
	28050	9350		3068		6253	2084		3059	Total Stadia = 6.727
										.43 mi.
14	8032		152			1838		149		BM 48-152
	7880		149			1689		150		Pacific Coast Hwy. at
	7731		301			1539		299		Sta. 160+42
	23643	7881		3369		5066	1689		3358	See F.B. 1369-127

F.B. 2833 P.G. 44

134.249 | 15.466

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks
Notes by: N. SMITH
Weather: HAZY
Time: 11 15 11 30
Inst. No.: 15066
Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301-02
From: BM 48-154 To: BM 48-155
Date: 12-15-60
Indexed: H. E. On

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	3786		188		64°	7809		193		BM 48-154
	3598		189			7616		191		Pacific Coast Hwy 500 ft
	3409		377			7425		384		E. of Arroyo Seguit
1	10793	3598		377		22850	7617		384	Svy F.B. 1319-128
	1492		191			6929		187		π E. E. Brooks
	1301		193			6742		190		
	1108		384			6552		377		
2	3901	1300		761		20223	6741		761	
	5091		185			5620		187		
	4906		184			5433		183		
	4722		369			5250		370		
3	14719	4906		1130		16303	5434		1131	
	5965		75			0864		74		
	5890		75			0790		74		
	5815		150			0716		148		
4	17670	5890		1280		2370	0790		1279	
	10967		57			4280		61		
	10910		58			4219		61		
	10852		115			4158		122		
5	32729	10910		1395		12657	4219		1401	
		26604					24801			

F.B. 2833 P.G. 69

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather HAZY Inst. No. 15066
Notes by N. SMITH Time 11'5 1130 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-154 To BM 48-155
Date 12-15-60
Indexed H. E. OT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
				1395					1401	
	5375	26604	77		64°	4360	24801	78		B.M 48-155
	5298		78			4282		79		Pacific Coast Hwy at Arroyo
	5220		155			4203		157		sequit, 16.6 ft E of W end Bridge
6	15893	5298		1550		12845	4282		1558	See F.B. 1369-129
										Summation of Run From B.M. 48-154 To B.M. 48-155
										Total Backsights = + 31.902 Total Foresights = − 29.083 Diff. Elev. = + 2.819
										Backsight stadia = 1.550 Foresight Stadia = 1.558 Total Stadia = 3.108 = .20 mi.
	31,902					29083				

F.B. 2833 PG. 171

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather HAZY Inst. No. 15066
Notes by N. SMITH Time 11:30 11:50 Rod No. 19-20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 48-155 To BM 48-154
Date 12-15-60
Indexed H. E. on

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4329		79		68°	5342		77		BM 48-155
	4250		79			5265		77		Pacific Coast Hwy at Arroyo
	4171		158			5188		154		Sequit 16.6 Ft. E. of W. end Bridge
1	12750	4250		158		15795	5265		154	See F.B. 1369-129
	4292		61			10978		56		T E. E. Brooks
	4231		61			10922		57		
	4170		122			10865		113		
2	12693	4231		280		32765	10922		267	
	0757		73			5861		77		
	0684		74			5784		76		
	0610		147			5708		153		
3	2051	0684		427		17353	5784		420	
	5537		184			5010		185		
	5353		185			4825		183		
	5168		369			4642		368		
4	16058	5353		796		14477	4826		788	
	6968		188			1532		192		
	6780		190			1340		192		
	6590		378			1148		384		
5	20338	6780		1174		4020	1340		1172	
	21298					28137				

F.B. 2833 P.G. 71

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather HAZY Inst. No. 15066
Notes by N. SMITH Time 11:30 11:50 Rod No 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48 155 To BM 48 154
Date 12-15-60
Indexed W. E. Oh

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
				1174					1172	
	7800	21298	195			3772	28137	190		B.M. 48-154
	7605		193			3582		187		Pacific Coast Hwy 500 ft. E
	7412		388			3395		377		of Arroyo Seguit
6	22817	7606		1562		10749	3583		1549	See F.B. 1369-128
										Summation of Run From B.M. 48-155 To B.M. 48-154
										Total Backsights = + 28.904 Total Foresights = − 31.720 Diff. Elev. = − 2.816
										Backsight stadia = 1.562 Foresight Stadia = 1549 Total Stadia = 3.111 .20mi
		28.904					31.720			

F.B. 2833 P.G. 70

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

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

Name: L.A. Co. Precise Level Net
Job No.: 0311.02
From: BM 48-155 To: BM 48-157
Date: 12-16-68
Indexed: L.E. on

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5992		182		68°	4438		187		BM 48-155
	5810		182			4251		196		Pacific Coast Hwy at
	5628		364			4061		377		Arroyo Sequit
1	17430	5810		364		12750	4250		377	See F.B. 1309-129
	8230		107			1279		102		
	8123		105			1177		104		
	8018		212			1073		206		
2	24371	8124		576		3529	1176		583	
	9640		985			1290		83		
	9555		084			1207		84		
	9471		169			1123		167		
3	28666	9555		745		3620	1207		750	
	9629		97			2051		100		
	9532		95			1951		98		
	9437		192			1853		198		
4	28598	9533		937		5855	1952		948	
	4585		189			7243		184		
	4396		191			7059		184		
	4205		380			6875		368		
5	13186	4395		1317		21177	7059		1316	
	37417					15.644				

F.B. 2033 P.G. 77

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny Inst. No. 15066
Notes by N. SMITH Time 10-25 10 40 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48 155 To BM 48 157
Date 12-6-60
Indexed G. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
				1317					1316	
	1908	37.417	160		68°	6899	15.644	160		BM 48 157
	1748		161			6739		160		475 ft. S. of Pacific Coast
	1587		321			6579		320		Hwy near Life Guard Sta.
	65243	1748		1638		20217	6739		1630	See F.B. 1369-131
										Summation of Run
										From B.M. 48-155
										To B.M. 48-157
										Total Backsights = + 39.165
										Total Foresights = − 22.383
										Diff. Elev. = + 16.782
										Backsight stadia = 1,638
										Foresight Stadia = 1.630
										Total Stadia = 3.274
										= .21 mi.
	39.165					22.383				

F.B. 2833 P.G. 74

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: B. E. Brook Weather: Sunny Inst. No.: 15066
Notes by: N. Smith Time: 1 25 / 1 45 Rod No.: 19-20

L.A. Co. Precise Level Net
Name:
Job No.: 0701.02
From: BM 48-157 To: BM 48-155
Date: 12-19-69
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	6462		163			1469		159		BM 48-157
	6299		161			1310		159		475 ft S. of Pacific Coast
	6138		324			1151		318		Hwy near Life Guard Sta.
	18899	6300		324		3930	1310		318	See F.B. 1369-131
2	7267		187			4608		190		
	7080		184			4418		188		
	6896		371			4230		378		
	21243	7081		695		13256	4419		696	
3	2002		97			9581		97		
	1905		97			9484		96		
	1808		194			9388		193		
	5715	1905		889		28453	9484		889	
4	1244		82			9596		85		
	1162		84			9511		87		
	1078		166			9424		172		
	3484	1161		1055		28531	9510		1061	
5	1053		102			8002		105		
	0951		105			7897		104		
	0846		207			7793		209		
	2850	0950		1262		23692	7897		1270	
	17897					32601				

F.B. 2833 P.G. 75

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny Inst. No. 15066
Notes by N. Smith Time 1 25 1 45 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-157 To BM 48-155
Date 12-19-60
Indexed E.E.

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
				1262					1270	
C	4349	17.397	189			5904	32.620	184		BM 48-155
	4160		186			5720		183		Pacific Coast Hwy at
	3974		375			5537		367		Arroyo Seguit
	12483	4161		1637		17161	5720		1637	See F.B. 1369-129
										T Bavilotti
										Summation of Run From B.M. 48-157 To B.M. 48-155
										Total Backsights = + 21.558
										Total Foresights = − 38.340
										Diff. Elev. = − 16.782
										Backsight stadia = 1.637
										Foresight Stadia = 1.637
										Total Stadia = 3.274
										= .621 mi
	21.558					38.340				

F.B. 2833 PG. 76

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny Inst. No. 15066
Notes by N. Smith Time 1040 1045 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 1301.02
From BM 48-157 To BM 48-158
Date 16 Dec 60
Indexed H. E. Orn

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	0838		30			8743		29		BM 48-157
	0808		30			8714		27		475 ft S. of Pacific Coast Hwy
	0778		60			8687		56		near life guard sta.
1	2424	0808		60		26144	8715		56	See F.B. 1369-131
	1904		20			6356		23		BM 48-158
	1884		21			6333		21		525 ft. S. of Pacific Coast
	1863		41			6312	6334	44		Hwy on rock point
2	5651	1884		101		~~19301~~	~~6434~~		100	See F.B. 1369-131
						19001				Summation of Run From B.M. 48-157 To B.M. 48-158
										Total Backsights = + 2.692 ~~2.748~~
										Total Foresights = − 15.048 ~~15.148~~
										Diff. Elev. = −12.356 ~~−12.457~~
										Backsight stadia = 101
										Foresight Stadia = 100
										Total Stadia = 201
										= .01 mi.
		2.692					15.048 ~~15.148~~			

F.B. 2833 P.G. 77

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. Brooks Weather Sunny Inst. No. 15066
Notes by N. Smith Time 1:20 - 1:25 Rod No. 19-20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 48-158 To BM 48-157
Date 12-19-60
Indexed H. E. Ot.

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6226		23			1773		20		BM 48-158
	6203		21			1753		20		525 ft. S. of Pacific Coast
	6182	6.204	44			1733		40		Hwy on rock point
1	18611	6304		44		5259	1753		40	See F.B. 1369-131
	8701		29			0797		30		BM 48-157
	8673		29			0767		30		475 ft. S. of Pacific Coast
	8644		58			0737		60		Hwy near Life Guard Sta.
2	26018	8673		102		2301	0767		100	See F.B. 1369-131
										Summation of Run From B.M. To B.M.
										Total Backsights = + 14.977 Total Foresights = − 2.520 Diff. Elev. = + 12.~~457~~ 12.357
										Backsight stadia = Foresight Stadia = Total Stadia =
		14.877 ~~14.977~~					2.520			

F.B. 2833 PG. 78

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny Inst. No. 15066
Notes by N. Smith Time 10 45 11 00 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-158 To BM 48-159 A
Date 12-16-60
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	8367		38		68°	1367		39		BM 48-158
	8329		38			1328		39		525 ft. S. of Pacific Coast
	8291		76			1289		78		Hwy on a rock point
1	24987	8329		76		3984	1328		78	See F.B. 1369-131
	9585		31			2121		30		T Bariloti
	9554		31			2091		30		Summation of Run
	9523		62			2061		60		From B.M. 48-158
2	28662	9554		138		6273	2091		138	To B.M. 48-159 A
	9478		185			1843		189		Total Backsights = + 35.612
	9293		189			1654		188		Total Foresights = — 9.866
	9104		374			1466		377		Diff. Elev. = +25.746
3	27875	9292		512		4963	1654		515	
	8590		152			4942		149		BM 48-159A
	8438		155			4793		150		Pacific Coast Hwy 0.15
	8283		307			4643		299		mi. W. of Arroyo Sequit
4	25311	8437		819		14378	4793		814	See F.B. 1369-147
										Backsight stadia = .819
										Foresight Stadia = .814
										Total Stadia = 1.633
										= .10 mi.
	35.612					9.866				

F.B. 2933 P.G. 79

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather SUNNY Inst. No. 15066
Notes by N. SMITH Time 1^10 1^20 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48-159A To BM 48-158
Date 12-19-60
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	4849		149			8498		152		BM 48-159A
	4698		147			8346		155		Pacific Coast Hwy 0.15
	4551		296			8191		307		mi W. of Arroyo Seguit
1	14098	4699		296		25035	8345		307	See F.B. 1369-147
	1757		188			9393		186		Summation of Run
	1569		188			9207		189		From B.M. 48-159A
	1381		376			9018		375		To B.M. 48-158
2	4707	1569		672		27618	9206		682	
	1982		32			9442		30		Total Backsights = + 9.416
	1950		32			9412		29		Total Foresights = − 35.161
	1918		64			9383		59		Diff. Elev. = − 25.745
3	5850	1950		736		28237	9412		741	
	1238		40			8236		38		BM 48-158
	1198		40			8198		38		525 ft. S. of Pacific Coast
	1158		80			8160		76		Hwy on rock point
4	3594	1198		816		24594	8198		817	See F.B. 1369-131
										Backsight stadia = .816
										Foresight Stadia = .817
										Total Stadia = 1.633
										= .10 mi
	9.416					35.161				

F.B. 2233 P.G. 80

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: R. E. Brooks Weather: SUNNY Inst. No.: 15066
Notes by: N. SMITH Time: 11:00 11:20 Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 48-159A to U.S. 3366
Date: 12-16-68
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	9499		112			1607		112		BM 48-159A
	9387		114			1495		111		Pacific Coast Hwy 4 mi N.
	9273		226			1384		223		of Arroyo Sequit
1	28159	9386		226	68	4486	1495		223	See F.B. 1369-147
	9547		134			2091		135		π Bank H.
	9413		133			1956		135		
	9280		267			1821		270		
2	28240	9413		493		5868	1956		493	
	9761		186			2371		188		
	9575		184			2183		186		
	9391		370			1997		374		
3	28727	9576		863		6551	2184		867	
	7252		186			4653		188		
	7066		187			4465		188		
	6879		373			4277		376		
4	21197	7066		1236		13395	4465		1243	
	5241		188			5319		190		
	5053		186			5129		186		
	4867		374			4943		376		
5	15161	5054		1610		15391	5130		1619	
	40.495					15.230				

F.B. 2837 P.G. 81

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny Inst. No. 15066
Notes by N. Smith Time 11.00 HEAT WAVES 11.30 Rod No. 19-20

Name LA. Co. Precise Level Net
Job No. 0301.02
From Bm 48-159A To B.M. US 3366
Date 12-16-60
Indexed H. E. O.T.

Number of Station	BACKSIGHT 1610 Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT 1619 Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5938	40.495	187			4875	15.230	189		
	5751		187			4686		187		
	5564		374			4499		376		
6	17253	5751		1984		14060	4687		1995	
	6076		191			4489		184		
	5885		189			4305		186		
	5696		380			4119		370		
7	17657	5886		2364		12913	4304		2365	
	5292		187			4565		185		
	5105		187			4380		188		
	4918		374			4192		373		
8	15315	5105		2738		13137	4379		2738	
	5817		189			4846		189		
	5628		185			4657		189		
	5443		374			4468		378		
9	16888	5629		3112		13971	4657		3116	
	7888		187			2856		189		
	7701		186			2667		187		
	7515		373			2480		376		
10	23104	7701		3485		8003	2668		3492	
	70.567					35.925				

F.B. 2833 P.G. 02

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. Brooks Weather Sunny Inst. No. 15066
Notes by N. Smith Time 11:00 11:30 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 48 159A To BM US 3366
Date 12-16-60
Indexed H. E. On

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals 3483	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals 3492	DESCRIPTION AND REMARKS
	7129	70.567	124			3306	35.925	119		B.M. U.S. 3366
	7005		123			3187		118		L.A. & Ventura Co. Line
	6882		247			3069		237		marker.
11	21016	7005		3732		9562	3187		3729	See F.B. 1369-132

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny Inst. No. 15066
Notes by N. Smith Time 1135 - 12:00 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM US 3366 To Brn 48-159 A
Date 12-16-60
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	3261		120			7084		124		BM US 3366
	3141		120			6960		123		L.A. & Ventura Co. line
	3021		240			6837		247		marker
1	9423	3141		240		20881	6960		247	See F.B. 1369-132
	2849		189			7878		186		T Barilotti
	2660		186			7692		188		
	2474		375			7504		374		
2	7983	2661		615		23074	7691		621	
	4753		188			5726		188		
	4565		187			5538		187		
	4378		375			5351		375		
3	13696	4565		990		16615	5538		996	
	4552		188			5274		185		
	4364		187			5089		187		
	4177		375			4902		372		
4	13093	4364		1365		15265	5088		1368	
	4505		190			6086		189		
	4315		187			5897		189		
	4128		377			5708		378		
5	12948	4316		1742		17691	5897		1746	
		19.042					31.174			

F.B. 2833 P.G. 84

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks
Notes by: N. Smith
Weather: Sunny
Time: 11:35 - 12:00
Inst. No. 15066
Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301-02
From: BM US 3366 To: BM 48-159A
Date: 12-16-60
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
				1742					1746	
	4806	19.047	187			5873	31.174	190		
	4619		188			5683		186		
	4431		375			5497		376		
6	13856	4619		2117		17053	5684		2122	
	5242		189			5164		189		
	5053		188			4975		186		
	4865		377			4789		375		
7	15160	5053		2494		14928	4976		2497	
	4747		184			7351		190		
	4563		188			7161		189		
	4375		372			6972		379		
8	13685	4562		2866		21484	7161		2876	
	2341		188			9734		186		
	2153		187			9548		189		
	1966		375			9359		375		
9	6460	2153		3241		28641	9547		3257	
	1987		138			9436		132		
	1849		138			9304		130		
	1711		276			9174		262		
10	5547	1849		3517		27914	9305		3513	
		37.283					69.847			

F.B. 28233 P.G. 85

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny Inst. No 15066
Notes by N. SMITH Time 11:35 - 12:00 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 6301.02
From BM US 3366 To BM 48-159A
Date 12-16-60
Indexed H. E. OTT

Number of Station	BACKSIGHT 3517 Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT 3513 Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	1515	39.283	112			9409	67.847 ✓	113		B.M 48-159A
	1403		113			9296		113		Pacific Coast Hwy mi.
	1290		225			9183		226		W. of Arroyo Seguit
11	4208	1403		3742		27888	9296		3739	see F.B. 1369-147

Summation of Run
From B.M. U.S. 3366
To B.M. 48-159A

Total Backsights = + 38.686
Total Foresights = — 77.143
Diff. Elev. = - 38.457 ✓

Backsight stadia = 3.742
Foresight Stadia = 3.739
Total Stadia = 7.481
= .47 mi.

F.B. 2833 P.G. 86

38.686 77.143 ✓

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks — Weather: Sunny — Inst. No. 15066
Notes by: N. Smith — Time: 2[10] 2[20] — Rod No. 19-20

Name: L.A. Co. Precise Level Nw
Job No. 0301.02
From: BM US 3366 To: BM 48-160A
Date: 12-19-69
Indexed:

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	3193		120		68°	7018		124		BM US 3366
	3073		120			6894		123		L.A & Ventura Co. Line
	2953		240			6771		247		Marker
1	9219	3073		240		20683	6894		247	See F.B. 1369-132
	2767		189			7797		186		T Barilotti
	2578		187			7611		188		Summation of Run
	2391		376			7423		374		From B.M. US 3366
2	7736	2579		616		22831	7610		621	To B.M. 48-160A
	6266		66			9160		70		BM 48-160A (U.S.C.&G.S. U1051)
	6200		65			9090		70		Pacific Coast Hwy near
	6135		131			9020		140		L.A. & Ventura Co. Line
3	18601	6200		747		27270	9090		761	See F.B. 1369-148
										Total Backsights = + 11.852
										Total Foresights = − 23.594
										Diff. Elev. = − 11.742
										Backsight stadia = 747
										Foresight Stadia = 761
										Total Stadia = 1508
										= .10 mi
		11.852					23.594			

F.B. 2033 P.G. 81

76P526-CE 379—10-57

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

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny Inst. No. 15066
Notes by N. Smith Time 2^20 2^30 Rod No 19-20

Name L.A. Co. Precise Level Net
Job No. 0302-01
From BM 48-160A To BM US 3366
Date 12-19-60
Indexed H. E. OT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	9120		70		66°	6229		67		BM 48-160A U.S.C.&G.S.
	9050		70			6162		66		Pacific Coast Hwy near
	8980		140			6096		133		L.A. Ventura County Line
1	27150	9950		140		18487	6162		133	See F.B. 1369 - 148
	7708		185			2680		190		π Bar 10 ft.
	7523		185			2490		190		Summation of Run
	7338		370			2300		380		From B.M. 48-160A
2	22569	7523		510		7470	2490		513	To B.M. US 3366
	6993		124			3170		118		B.M. US 3366
	6869		125			3052		119		L.A. & VENTURA CO. LINE
	6744		249			2933		237		MARKER
3	20606	6869		759		9155	3052		750	SEE F.B. 1369 -132
										Total Backsights = + 23.442
										Total Foresights = − 11.704
										Diff. Elev. = + 11.738
										Backsight stadia = 759
										Foresight Stadia = 750
										Total Stadia = 1509
										= .10 Mi
		23.442					11.704			

F.B. 2833 P.G. 88

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

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

Do not extend this side of this line.

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.

7673095 SAE #247 11-58

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 this side of this line.

F. B. _____ PG. _____

NOTES RED. _____ JOB NO. 0301.02 SURVEY OF L.A.C. Precise Level Net

DATE _____ SURVEY BY FE Brooks

NOTES CHKD. 11/12/64 NOTES BY F.E.B. DATE 29 Sept 1964

DATE _____ INDEXED C. J. GALLI DATE NOV 10 64

F. B. 2833 PG. 91

DESCRIPTION	ADJ. ELEV.	3RD RUN	2ND RUN	DIFF.	1ST RUN	B.M.
I.N. 0301.02						
L.A.C. PRECISE LEVEL NET						
TRANSFER of ELEVATION						
FROM BM 48-110						
TO BM 48-110A and BM 48-110B						
			FE Brooks			
			W M Klapp			
			N L Bustium			
			D M Mather			

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.

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

765420 353 3-51

76S420 353 3-51

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

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

Do not extend notes this side of this line

JOB NO. 0301.02 SURVEY OF L.A.B. Precise Level Net
SURVEY BY F.E. Brooks
NOTES BY F.E.B. DATE 29 Sept 1964
INDEXED C. J. GALL DATE
NOTES RED. DATE
NOTES CHKD. 11/2/64 DATE

B.M.	1ST RUN	DIFF.	2ND RUN	~~3RD RUN~~ MN.	ADJ. ELEV. 1964	DESCRIPTION
BM 48-110	103.550			103.550	103.550	BM 48-110 Elev. 103.550 F.B. 1349-92 Pacific Coast Hwy 0.40 mi. W. of Escondido Creek Bridge Solstice Canyon D-9B. 4" Brass Disk.
+	3.242		3.338			
π	106.792	-0.665	-0.665	-0.665		
-	3.907		4.003			
BM 48-110A	102.885			102.885	102.885	BM 48-110A - El. = 102.885 F.B. 3706-7 Pacific Coast Hwy 0.40 mi W. of Escondido Creek Bridge 2" IP cone plug & C.E. Tag N. side of highway
+	5.742		5.745			
π	108.657	+1.184	+1.182	+1.183		
-	4.588		4.563			
BM 48-110B	104.069			104.068 +1	104.069	BM 48-110B - Elev = 104.069 F.B. 3706-7 Pacific Coast Hwy 0.40 mi W. of Escondido Creek Bridge 2" IP cone plug & C.E. Tag S. side of highway.
+	4.763		4.710			
π	108.832	-0.519	-0.519	-0.519		
-	5.282		5.229			
BM 48-110	103.550			103.549 +1	103.550	BM 48-110 Elev. 103.550 F.B. 1349-92 See description above.

F.B. 2833 Pg. 92

NOTES RED. _____ JOB NO. 0301.02 SURVEY OF L.A. Co. Precise Level Net

DATE _____ SURVEY BY FE Brooks

NOTES CHKD. 11/12/64 NOTES BY F.E.B. DATE 30 sept 1964

DATE _____ INDEXED C. J. GALLI DATE _____

F. B. 2B33 PG. 93

DESCRIPTION

J. N. 0301.02

L. A. Co. PRECISE LEVEL NET

TRANSFER of ELEVATION

FROM BM 48-114

TO BM 48-114A and BM 48-114B.

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

FE Brooks
K M Kapp
ML Bustillos
RR Rodriguez
RM Mather

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

Do not extend notes this side of this line

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

765420 353 3-51

765420 353 3-51

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

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

Do not extend notes this side of this line

JOB NO. 0301.02 SURVEY OF L.A. Precise Level Net
SURVEY BY F.E. Banks DATE 30 Sept 1964
NOTES BY F.E.B. DATE
INDEXED G. J. GALLI DATE
NOTES CHKD. 11/12/64 DATE
NOTES RED. DATE

F.B. 1837 PG. 94

B.M.	1ST RUN	DIFF.	2ND RUN	~~3RD RUN~~ MN.	ADJ. ELEV. 1964	DESCRIPTION
BM 48-114	105.610			105.610	105.610	BM 48-114 Elev. 105.610 F.B. 1369-96 Pacific Coast Highway near Paradise Cove, Solstice Canyon B-10B 4" Brass disk.
+	5.120		5.073			
Σ	110.730	+1.475	+1.476	+1.476		
−	3.645		3.599			
TP # 1	107.085					
+	0.133		0.105			
Σ	107.218	−5.802	−5.803	−5.802		
−	5.935		5.908			
BM 48-114A	101.283			101.284 −1	101.283	BM 48-114A-El. = 101.283 F.B. 3706-9 Pacific Coast Highway near Paradise Cove 2" Button Brass Cap in wing wall. N. side of highway.
+	5.883		5.847			
Σ	107.166	+5.688	+5.685	+5.686		
−	0.195		0.162			
TP # 2	106.971					
+	3.231		3.185			
Σ	110.202	−2.802	−2.800	−2.801		
−	6.033		5.985			
BM 48-114B	104.169			104.169 −2	104.167	BM 48-114B-El. = 104.167 F.B. 3706-9 Pacific Coast Highway near Paradise Cove chis + Top of bolt on Fire hyd. mounting ring. N. side of highway.
+	6.157		6.091			
Σ	110.326	+1.444	+1.444	+1.444		
−	4.713		4.647			
BM 48-114	105.613			105.613 −3	105.610	BM 48-114 Elev. 105.610 F.B. 1369-96 see description above.

F. B. 2833 Pg. 95

NOTES RED. _____ JOB NO. 0301.02 SURVEY OF L.A. Co. Precise Level Net
DATE _____ SURVEY BY F.E. Brooks
NOTES CHKD. 11/12/64 NOTES BY K.M. Kapp DATE 10-1-64
DATE _____ INDEXED C. J. GALLI DATE _____

DESCRIPTION

J. N. 0301.02

L.A. Co. PRECISE LEVEL NET

TRANSFER of ELEVATION:

From BM 48-120

To BM 48-120 A & BM 48-120 B

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

FE Brooks
KM Kapp
JM Maldonado
RR Rodriguez
ML Bustman
RM Mather

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

Do not extend notes this side of this line

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

765420 353 3-51

765420 353 3-51

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

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

Do not extend notes this side of this line

JOB NO. 0301.02 SURVEY OF L.A. Co. Precise Level Net
SURVEY BY F.E. Brooks
NOTES BY K.M. Kapp DATE 10-1-64
INDEXED G. J. GALLI DATE
NOTES RED. DATE
NOTES CHKD. 11/12/64 DATE

B.M.	1ST RUN	DIFF.	2ND RUN	~~3RD RUN~~ MN	ADJ. ELEV. 1964	DESCRIPTION
BM 48-120	196.228			196.228	196.228	BM 48-120 Elev. = 196.228 F.B. 1369-102
+	6.030		5.763			Pacific Coast Hwy., 0.5 Mi. W. of
π	202.258	+2.143	2.142	+2.142		L.A. Co. Fire Station #71
−	3.887		3.621			
T.P.	198.371			198.370		
+	6.030		6.088			
π	204.401	+2.526	2.527	+2.526		
−	3.504		3.561			
BM 48-120B	200.897			200.896 +2	200.898	BM 48-120 B-El = 200.898 F.B. 3706-11
+	4.541		4.259			Pacific Coast Hwy. (N. Side) near
π	205.438	+1.560	1.558	+1.559		driveway to House #29053. Chiselt in
−	2.981	used steel tape	2.701			top of bolt at N. base of a Fire
						Hydrant.
BM 48-120A	202.457			202.455 +2	202.457	BM 48-120 A-El = 202.457 F.B. 3706-11
+	2.812	used steel tape	3.061			Pacific Coast Hwy. (N. side) near
π	205.269	-2.369	2.369	-2.369		driveway to Ho. #29053. & at Pump
−	5.181		5.430			House. L.A. Co. Eng'r. Button
T.P.	200.088			200.086		Brass Cap in face of conc. wall
+	1.604		2.118			at S. side of Pump House.
π	201.692	-3.863	3.860	-3.862		
−	5.467		5.978			
BM 48-120	196.225			196.224 +4	196.228	BM 48-120 Elev. = 196.228 F.B. 1369-102
						See above for descrip.

F.B. 2833 Pg. 96

769420 S & E-353 4-54

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

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV. 1964	DESCRIPTION
BM 48-131	15.122			15.122	15.122	BM 48-131 L.A.Co. Control System BF Cap Mon.
+	5.931		6.069	5.894		Per FB. 1652
π	21.053	+ 1.251	+ 1.257	+ 1.251	Mn 1.253	Elev = 15.122, 1964 Adj.
−	4.680		4.812	4.643		
BM 48-131 A	16.373			16.375 −2	16.373	BM 48-131A 2" I.P, Conc. plug & C.E. Tag, FB 1652
+	4.796		4.647			(Elev. taken on top of Tag) El = 16.373
π	21.169	−0.736	−0.737	−0.736		
−	5.532		5.384			
BM 48-131B	15.637			15.639 −3	15.636	BM 48-131B 2" I.P, Conc. plug & C.E. Tag, FB 1652
+	4.519		4.433			(Elev. taken on top of Tag) El = 15.636
π	20.156	−0.513	−0.512	−0.512		
−	5.032		4.945			
BM 48-131	15.124			15.127 −5	15.122	BM 48-131 Starting B.M. above

S.N. 0301.02

L.A. Co. Precise Level Net

TRANSFER of ELEVATIONS

From BM 48-131
To BM 48-131 A & BM 48-131 B

NOTES RED. _____ JOB NO. 0301.02 SURVEY OF L.A.Co. Precise Level Net
DATE _____ SURVEY BY R.C. Bowers
NOTES CHKD. 11/12/64 NOTES BY RCB DATE 27 Sept. 64
DATE _____ INDEXED C. J. GALLI DATE _____

F. B. 2833 Pg. 97

F. B. 2833 Pg. 98

JOB NO. _____ SURVEY OF _____ NOTES RED. _____

SURVEY BY _____ DATE _____

NOTES BY _____ DATE _____ NOTES CHKD. _____

INDEXED _____ DATE _____ DATE _____

2833