Survey of Prec. Level Line #30 F. B. 2866 Pg. 5
J.N. 0301.02 Tape — Std — °F
Surveyed by Brooks
Notes Brooks Date 11-1-61
Indexed H. E. Ott

J.N. 0301.02

RE RUN LINE #30

CONT FROM F.B. 1396-250

FOR 2nd

PART

RE RUN LINE #30

ADDED

SEE Pg. 61

Brooks
Maldonado
Cook
Martinez
RODRIGUEZ

[redacted] microfilmed. April 85

76P526-CE 379—10-57

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks
Notes by: F. E. Brooks
Weather: Overcast
Time: 9:30 - 9:40
Inst. No. 15066
Rod No. 19420

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM 30-14A To: BM 30-13A
Date: 20 Oct 1961
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	7.067		.174		#19	3.236		.171		BM 30-14A
	6.893		.173			3.065		.170		7th St on E. side of San
	6.720		.347			2.895		.341		Gabriel River
	20.680	6.893		347	70°	9.196	3.065		341	See F.B. 1396-174
2	6.502		.109			3.335		.094		T Martinez
	6.393		.107			3.241		.094		Summation of Run
	6.286		.216			3.147		.188		From B.M. 30-14A
	19.181	6.394		.563		9.723	3.241		.529	To B.M. 30-13A
3	4.160		.174		11	8.807		.195		Total Backsights = + 22.230
	3.986		.176			8.612		.193		Total Foresights = − 22.230
	3.810		.350			8.419		.388		Diff. Elev. = + 0.000
	11.956	3.985		.913		25.838	8.613		.917	
4	5.113		.154		#19	7.459		.148		BM 30-13A
	4.959		.156			7.311		.148		7th St on W. side of
	4.803		.310			7.163		.296		San Gabriel River
	14.875	4.958		.1223	70°	21.933	7.311		.1213	See F.B. 1396-174
										Backsight stadia = 1.223
										Foresight Stadia = 1.213
										Total Stadia = 2.436
										= .15 mi
		22.232					22.230			

F.B. 2866 P.G. 10

✓ WTM

F. B. 2866 PG. 6

Blank

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by F. E. Brooks Time 10:40 - 11:15 Rod No. 19F20

Name L.A. Co. Precise Level Net
Job No. 030102
From BM30-10A To BM30-11A
Date 19 Oct
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	7.484		.185		#19	6.071		.185		BM30-10A
	7.299		.186			5.886		.185		S.W. CORNER ANAHEIM RD
	7.113		.371			5.701		.370		& STUDEBAKER RD.
	21.896	7.299		.371	74°	17.658	5.886		.370	SEE FB. 1396-171
2	4.534		.184			6.054		.183		
	4.350		.186			5.871		.184		T Barilotti
	4.164		.370			5.687		.367		
	13.048	4.349		.741		17.612	5.871		.737	
3	4.686		.185			5.457		.185		
	4.501		.186			5.272		.183		
	4.315		.371			5.089		.368		
	13.502	4.501		1.112		15.818	5.273		1.105	
4	5.884		.186			5.627		.182		
	5.698		.185			5.445		.184		
	5.513		.371			5.261		.366		
	17.095	5.698		1.483		16.333	5.444		1.471	
5	5.312		.185			5.878		.185		
	5.127		.183			5.693		.185		
	4.944		.368			5.508		.370		
	15.383	5.128		1.851		17.079	5.693		1.841	
		26.975					28.167			

F.B. 2866 P.G. 1

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Clear Inst. No.: 15066
Notes by: F. E. Brooks Time: 10:40-11:15 Rod No.: 19420

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 30-10A To: BM 30-11A
Date: 19 Oct 1961
Indexed: H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	5.157	26.975	.185	1.851		5.567	28.167	.184	1.841	
	4.969		.183			5.383		.185		
	4.786		.368			5.198		.369		
	14.909	4.970		2.219		16.148	5.383		2.210	
7	5.403		.185			5.214		.183		
	5.218		.183			5.031		.183		
	5.035		.368			4.848		.366		
	15.656	5.219		2.587		15.093	5.031		2.576	
8	5.892		.184			5.161		.188		
	5.708		.184			4.973		.189		
	5.524		.368			4.784		.377		
	17.124	5.708		2.955		14.918	4.973		2.953	
9	4.976		.191			5.224		.184		
	4.785		.189			5.040		.183		
	4.596		.380			4.857		.367		
	14.357	4.786		3.335		15.121	5.040		2.320	
10	5.087		.192			4.961		.186		
	4.895		.193			4.775		.186		
	4.702		.385			4.589		.372		
	14.684	4.895		3.720		14.325	4.775		3.692	
		52.553					53.369			

F.B. 2866 PG. 8

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks
Notes by: F. E. Brooks
Weather: Clear
Time: 10:40-11:15
Inst. No. 15066
Rod No. 19820

Name: L.A. Co. Precise Level Net
Job No. 0306.02
From: BM 30-10A To: BM 30-11A
Date: 19 Oct 1961
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
11	9.203	52.553	.078	3.720	#19	3.371	53.369	.077	3.692	BM 30-11A
	9.125		.077			3.294		.077		N.E. Cor Bridge #53-2151 at
	9.048		.155			3.217		.154		7th St. and Los Cerritos Channel
	27.376	9.125		3.875	72°	9.882	3.294		3.846	See F.B. 1396-172
		61.678					56.663			

Summation of Run
From B.M. 30-10A
To B.M. 30-11A

Total Backsights = + 61.678
Total Foresights = − 56.663
Diff. Elev. = + 5.015

Backsight stadia = 3.875
Foresight Stadia = 3.846
Total Stadia = 7.721
= .49 mi.

F.B. 2866 P.G. 9

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Overcast Inst. No. 15066
Notes by Workman Time 10:07 10:35 Rod No. 19420

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-11A To BM 30-10A
Date Oct. 20, 1961
Indexed 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	4.337		.078		#19	10.173		.078		BM 30-11A
	4.259		.078		68°	10.095		.078		N.E. Cor Bridge #53-2151
	4.181		.156			10.017		.156		at 7th St. and Los Cerritos
	12.777	4.259		.156		30.285	10.095		.156	Channel See #8. 1396-172
2	5.011		.188			5.237		.189		
	4.823		.185			5.048		.188		T Barilotti
	4.638		.373			4.860		.377		
	14.472	4.824		.529		15.145	5.048		.533	
3	5.299		.187			5.258		.189		
	5.112		.189			5.069		.191		
	4.923		.376			4.878		.380		
	15.334	5.111		.905		15.205	5.068		.913	
4	5.448		.187			5.870		.189		
	5.261		.184			5.681		.186		
	5.077		.371			5.495		.375		
	15.786	5.262		1.276		17.046	5.682		1.288	
5	5.038		.186			5.224		.184		
	4.852		.183			5.040		.183		
	4.669		.369			4.857		.367		
	14.559	4.853		1.645		15.121	5.040		1.655	
	24.309					30.933				

F.B. 2866 P.G. 11

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Overcast Inst. No. 15066
Notes by Workman Time 10:07 10:35 Rod No. 19420

Name L.A. Co. Precise Level Net
Job No. 0.30102
From BM30-11A To BM30-10A
Date Oct. 20, 1961
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	5.580	24.309	.185	1.645	#19	5.165	30.937	.182	1.655	
	5.395		.185		68°	4.983		.183		
	5.210		.370			4.800		.365		
	16.185	5.395		2.015		14.948	4.982		2.020	
7	5.697		.185			5.130		.186		
	5.512		.185			4.944		.183		
	5.327		.370			4.761		.369		
	16.536	5.512		2.385		14.835	4.945		2.389	
8	5.339		.183			5.595		.184		
	5.156		.183			5.411		.183		
	4.973		.366			5.228		.367		
	15.468	5.156		2.751		16.234	5.411		2.756	
9	5.453		.183			4.683		.185		
	5.270		.184			4.498		.186		
	5.086		.367			4.312		.371		
	15.809	5.269		2.118		13.493	4.497		3.127	
10	5.945		.185			4.425		.185		
	5.760		.183			4.240		.183		
	5.577		.368			4.057		.368		
	17.282	5.760		3.486		12.722	4.240		3.495	
		51.408					55.056			

F.B. 2866 P.G. 11

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: R. E. Brooks — Weather: Overcast — Inst. No.: 15066
Notes by: Workman — Time: 10:07 10:35 — Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM30-11A To: BM30-10A
Date: Oct. 20, 1961
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
11	6.057 5.871 5.687 11.615	51.40X 5.871	.186 .184 .370 3.856	3.486	#19 68°	7.468 7.284 7.100 21.852	55.008 7.284	.184 .184 .368 3.863	3.495	BM30-10A S.W. Cor. Anaheim Rd and Studebaker Rd. See F.B. 1396-171
										Summation of Run From B.M. 30-11A To B.M. 30-10A
F.B. 2866 P.G. 12										Total Backsights = + 57.272 Total Foresights = − 62.292 Diff. Elev. = − 5.020
										Backsight stadia = 3.856 Foresight Stadia = 3.863 Total Stadia = 7.719 .49 mi.
	57.272					62.292				

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Clear Inst. No.: 15066
Notes by: F. E. Brooks Time: 11:15 Rod No.: 19820

L.A. Co. Precise Level Net
Name:
Job No.: 0301.02
From: BM 30-11 A To: BM 30-12
Date: 19 Oct 1961
Indexed: H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	2.963		.192		#19	10.079		.182		B.M 30-11 A
	2.771		.193			9.897		.183		N.E. COR. BRIDGE #53-2151
	2.578		.385			9.714		.365		AT 7TH ST. & LOS CERRITOS
1	8.312	2.771		.385	72°	29.690	9.897		.365	CHANNEL SEE F.B.
										B.M 30-12
										E. SIDE LOS CERRITOS CHANNEL
										ON 7TH ST. DOWN 6.0 IN HAND
										HOLE SEE F.B. 1396-172
										Summation of Run
										From B.M. 30-11 A
										To B.M. 30-12
										Total Backsights = + 2.771
										Total Foresights = − 9.897
										Diff. Elev. = −7.126
										Backsight stadia = .385
										Foresight Stadia = .365
										Total Stadia = .750
										= .05 mi.

F.B. 2866 P.G. 13

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Clear Inst. No. 15066
Notes by: F. E. Brooks Time: 11:20 Rod No. 19720

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM 30-12 To: BM 30-11A
Date: 19 Oct 1961
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	10.054		.183		#19	2.935		.194		BM 30-12
	9.871		.182			2.741		~~.19~~ 201		E. SIDE LOS CERRITOS CHANNEL
	9.689		.365			2.540	39	~~385~~		ON 7TH ST. DOWN 6.0 IN HARD
1	29.614	9.871		365	74°	8.216	2.7~~72~~		395	HOLE SEE F.B. 1396-172
										BM 30-11A
										N.E. COR. BRIDGE #53-2151
										AT 7TH ST & LOS CERRITOS CHANNEL
										SEE F.B. 1396-172
										Summation of Run
										From B.M. 30-12
										To B.M. 30-11A
										Total Backsights = + 9.871
										Total Foresights = − 2.7~~72~~ 32
										Diff. Elev. = + 7.1~~99~~ 32
										Backsight stadia = 365
										Foresight Stadia = 395
										Total Stadia = 760
										= .05 mi.

F.B. 1396 P.G. 14

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brock Weather Clear Inst. No. 15066
Notes by Workman Time 11:30 11:55 Rod No. 19 & 20

L. A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 30-12 To BM 30-13 A
Date Oct. 19, 1961
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	10026		183		#19	4840		204		BM 30-12
	9843		182		74°	4636		204		E. side Los Cerritos channel
	9661		365			4432		408		on 7th St. down 6.0' in hand
	29530	9843		1365		13908	4636		408	hole See. F.B. 1396-172
2	5351		191			5548		175		T Barlotti
	5160		191			5373		172		
	4969		382			5201		347		
	15480	5160		747		16122	5374		755	
3	4193		185			5852		184		
	4008		184			5668		182		
	3824		369			5486		366		
	12025	4008		1116		17006	5668		1121	
4	5021		184			4513		182		
	4837		185			4331		183		
	4652		369			4148		365		
	14510	4836		1485		12992	4330		1486	
5	5588		181			3347		185		
	5407		181			3162		184		
	5226		362			2978		369		
	16221	5407		1847		9487	3162		1855	
		29254					23178			

F.B. 2866 P.G. 15

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by Norkman Time 11:30 11:55 Rod No. 19820

Name L. A. Co. Precise Level Net
Job No 0301.02
From BM 30-12 To BM 30-13A
Date Oct. 19, 1961
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	7761	29.255	147	1847	#19	1782	23172	146	1855	
	7614		148		74°	1636		148		
	7466		295			1488		294		
	22841	7613		2142		4906	1635		2149	
7	6535		087			2601		088		BM 30-13A
	6448		087			2513		085		7th St. and San Gabriel
	6361		174			2428		173		River N.W. Cor. of Bridge #53-2022
	19344	6448		2316		7542	2514		2322	See F.B. 1396-174
										Summation of Run From B.M. 30-12 To B.M. 30-13A
										Total Backsights = +43315 Total Foresights = −27318 Diff. Elev. = +15996
										Backsight stadia = 2316 Foresight Stadia = 2322 Total Stadia = 4638 = .29 mi.
		43315						27318		

F.B. 2866 PG. 16

76P526-CE 379--10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks
Notes by: F. E. Brooks
Weather: Over cast
Time: 9:45 - 10:00
Inst. No.: 15066
Rod No.: 19820

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 30-13A To: BM 30-12
Date: 20 oct 1961
Indexed: H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	2.969		.087		#19	6.903		.085		BM 30-13A
	2.882		.088			6.818		.087		7th St and San Gabriel
	2.794		.175			6.731		.172		River N.W. Cor Bridge #53-2622
	8.645	2.882		.175	70°	20.452	6.817		.172	See F.B. 1396-174
2	1.958		.147			7.937		.147		
	1.811		.147			7.790		.147		T Bariloti
	1.664		.294			7.643		.294		
	5.433	1.811		.469		23.370	7.790		.466	
3	3.647		.184			6.891		.182		
	3.463		.182			6.709		.181		
	3.281		.366			5.528		.363		
	10.391	3.464		.835		17.128	5.709		.829	
4	5.028		.184			6.537		.183		
	4.844		.183			5.350		.184		
	4.661		.367			5.166		.367		
	14.533	4.844		1.202		16.049	5.350		1.196	
5	5.817		.181			4.158		.182		
	5.636		.184			3.976		.183		
	5.452		.365			3.793		.365		
	16.905	5.635		1.567		11.927	3.976		1.561	
		18.636					19.042			

F.B. 2866 P.G. 17

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks
Notes by: F. E. Brooks
Weather: Overcast
Time: 9:45 - 10:00
Inst. No.: 15066
Rod No.: 19820

Name: L.A. Co. Precise Level Net
Job No.: 0.3C1.02
From: BM30-13A To: BM30-12
Date: 20 Oct 1961
Indexed: H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	4.906 4.723 4.542	18.636	.183 .181 .364	1.567		4.693 4.511 4.330	29.642	.182 .181 .363	1.561	
	14.171	4.724		1.931		13.534	4.511		1.924	
7	4.789 4.602 4.417		.187 .185 .372		#19	9.997 9.805 9.614		.192 .191 .383		BM 30-12 E. side Los Cerritos Channel 1 on 7th St. down 6' in hand
	13.808	4.603		2.303	68°	29.416	9.805		2.307	hole See F.B. 1396-172
										Summation of Run From B.M. 30-13A To B.M. 30-12
										Total Backsights = + 27.962 Total Foresights = − 43.958 Diff. Elev. = −15.996
										Backsight stadia = 2.303 Foresight Stadia = 2.307 Total Stadia = 4.610 = .29 mi
		27.962					43.958			

F.B. 2866 P.G. 18

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks
Notes by: F. E. Brooks
Weather: clear-Windy
Time: 1:10 – 1:25
Inst. No. 15066
Rod No. 19420

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM 30-13A To: BM 30-14A
Date: 19 Oct 1961
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	6.691		.166		#19	4.351		.185		BM 30-13A
	6.525		.164			4.166		.182		7th St. on W. side of
	6.361		.370			3.984		.367		San Gabriel River.
	9.577	6.526		330	72°	12.501	4.167		367	See F.B. 1398-174
2	8.683		.187			4.058		.186		
	8.496		.185			3.872		.183		T Martinez
	8.311		.372			3.689		.369		
	25.490	8.497		.702		11.619	3.873		.736	Summation of Run
3	3.442		.095			6.607		.109		From B.M. 30-13A
	3.347		.094			6.498		.109		To B.M. 30-14A
	3.253		.189			6.389		.218		Total Backsights = + 21.575
	10.042	3.347		.891		19.487	6.496		.954	Total Foresights = – 21.575
4	3.391		.186		#19	7.192		.154		Diff. Elev. = + 0.00
	3.205		.186			7.038		.157		BM 30-14 A
	3.019		.372			6.881		.311		7th St. on E. side of
	9.615	3.205		1.263	72°	21.111	7.037		1.265	San Gabriel River
										See F.B. 1396-174
										Backsight stadia = 1.263
										Foresight Stadia = 1.265
										Total Stadia = 2.528
		21.575					21.575			= .16 mi

F.B. 2866 P.G. 19

76P526-CE 379---10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by Workman Time 1:30 2:00 Rod No. 19420

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM30-14A To BM30-15
Date Oct. 19, 1961
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	7317		171		#19	3486		172		BM 30-14A.
	7146		172		72°	3314		170		7 76 st on E. side of
	6974		343			3144		342		San Gabriel River
	21437	7145		343		9944	3314		342	See F.B. 1396-174
2	6602		107			3438		095		T Martinez
	6495		107			3343		095		
	6388		214			3248		190		
	19485	6495		557		10029	3343		532	
3	4038		183			8667		188		
	3855		183			8479		186		
	3672		366			8293		374		
	11565	3855		923		25439	8479		906	
4	2308		125			6467		142		
	2183		124			6325		141		
	2059		249			6184		283		
	6550	2183		1172		18976	6325		1189	
5	4721		180			5437		188		
	4541		176			5249		186		
	4365		356			5063		374		
	13627	4542		1528		15749	5249		1563	
		24220					26710			

F.B. 2866 P.G. 21

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks — Weather: Clear — Inst. No.: 15066
Notes by: Workman — Time: 1:30 2:00 — Rod No.: 19820

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: Bm 30-14A To: Bm 30-15
Date: Oct 19, 1961
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	5669	2422	190	1528	#19	5009	2671	183	1563	
	5479		189		72°	4826		181		
	5290		379			4645		364		
	16438	5479		1907		14480	4826		1927	
7	5120		188			5062		183		
	4932		187			4879		186		
	4745		375			4693		369		
	14797	4932		2292		14634	4878		2296	
8	5149		187			5292		183		
	4962		190			5109		185		
	4772		377			4924		368		
	14883	4961		2659		15325	5108		2664	
9	5609		189			5048		185		
	5420		189			4863		182		
	5231		378			4681		367		
	16260	5420		3037		14592	4864		3031	
10	1141		075			8804		075		
	1066		075			8729		074		
	0991		150			8655		149		
	3198	1066		3187		26188	8729		3180	
	46.0					55.1				

F.B. 2866 P.G. 22

76P526-CE 379—10-57

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Chief of Party R. E. Brooks Weather Clear Inst. No. 15066
Notes by Klerkman Time 1:30 2:00 Rod No. 19 & 20

Name L. A. Co. Precise Level Net
Job No. 0301.02
From BM 30-14A To BM 30-15
Date Oct. 19, 1961
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	1413	46078 (80)	122	3187	#19	5635	55115 (9)	126	3180	
11	1291		122		72°	5509		126		
	1169		244			5383		252		
	3873	1291		3431		16527	5509		3432	
										BM 30-15 (F.C.B.M. 73-20) San Gabriel River at Tower #19 See F.B. 1396-18 & 19
										Summation of Run From B.M. 30-14A To B.M. 30-15
										Total Backsights = +47369 (71) Total Foresights = −60628 (8) Diff. Elev. = −13259
										Backsight Stadia = 3431 Foresight Stadia = 3432 Total Stadia = 6863 = .43
		47369 (71)					60628 (8)			

F.B. 2846 P.G. 27

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Overcast Inst. No. 15066
Notes by F. E. Brooks Time 8:55 - 9:30 Rod No. 19 & 20

Name L. A. Co. Precise Level Nct
Job No. 0301.07
From BM 30-15 To BM 30-14A
Date 20 Oct 1961
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	5.356		.132		#19	1.125		.116		BM 30-15 (F.C.BM 73-2C)
	5.224		.132			1.009		.116		San Gabriel River at
	5.092		.264			0.893		.232		Tower #19
	15.672	5.224		.264	70°	3.027	1.009		.232	Sec F.B. 1396-18 & 19
2	8.790		.076			1.124		.075		
	8.714		.075			1.049		.074		T Martinez
	8.639		.151			0.975		.149		
	26.143	8.714		.415		3.148	1.049		.381	
3	5.019		.179			5.589		.195		
	4.840		.179			5.394		.193		
	4.661		.358			5.201		.388		
	14.520	4.840		.773		16.184	5.395		.769	
4	5.184		.186			5.040		.188		
	4.998		.188			4.852		.189		
	4.810		.374			4.663		.377		
	14.992	4.997		1.147		14.555	4.852		1.146	
5	4.921		.185			4.976		.186		
	4.736		.186			4.790		.186		
	4.550		.371			4.604		.372		
	14.207	4.736		1.518		14.370	4.790		1.518	
		28.511					17.095			

F.B. 2866 P.G. 24

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks
Notes by F. E. Brooks
Weather Overcast
Time 8:55 - 9:30
Inst. No. 15066
Rod No. 19 & 20

Name L. A. Co. Precise Level Net
Job No. 0301.02
From BM 30-15 To BM 30-14A
Date 20 Oct 1961
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	5.002	28.511	.187	1.518		5.653	17.095	.184	1.518	
	4.815		.187			5.469		.186		
	4.628		.374			5.283		.370		
	14.445	4.815		1.892		16.405	5.468		1.888	
7	5.403		.188			4.541		.204		
	5.215		.186			4.337		.207		
	5.029		.374			4.130		.411		
	15.647	5.216		2.266		13.008	4.336		2.299	
8	6.004		.113			2.148		.122		
	5.991		.111			2.026		.124		
	5.880		.224			1.902		.246		
	17.975	5.992		2.490		6.076	2.025		2.545	
F.S. 9	8.764		.195			4.115		.174		
	8.569		.196			3.941		.172		
	8.373		.391			3.769		.346		
	25.706	8.569		2.881		11.825	3.942		2.891	
F.S. 10	3.319		.099			6.479		.107		
	3.220		.096			6.372		.104		
	3.124		.195			6.268		.211		
	9.663	3.221		3.076		19.119	6.373		3.102	
		56.325					39.239			

F.B. 2962 p. 25

76P526-CE 379—10-57

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~~L. A. Co. Precise Level Net~~

Chief of Party: E. E. Brooks — Weather: Overcast — Inst. No. 15066
Notes by: F. E. Brooks — Time: 8:55 - 9:30 — Rod No. 19 & 20

Name:
Job No. 0301.02
From BM 30-15 To BM 30-14A
Date: 20 Oct 1961
Indexed: H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
11	3.181 3.010 2.841	56.32~~4~~ 3	.171 .169 .340	3.076	#19	7.013 6.840 6.669	39.239	.173 .171 .344	3.102	BM 30-14A 7th St. on E. side of San Gabriel River See F.B. 1396-174
	9.032	3.011		3.416	70°	20.522	6.841		3.446	
										Summation of: From B.M. 30-15 To B.M. 30-14A
										Total Backsights = + 59.33~~3~~ 4 Total Foresights = − 46.080 Diff. Elev. = + 13.25~~4~~ 4
										Backsight stadia = 3.416 Foresight Stadia = 3.446 Total Stadia = 6.862 = .4~~2~~ 3 mi.
	59.33~~3~~ 4					46.080				

F.B. 2866 Pg. 26

F.B. _____ P.G. _____

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear-Windy Inst. No. 15066
Notes by F. E. Brooks Time 2:05-2:20 Rod No. 19720

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-15 To TBM 20
Date 19 Oct 1961
Indexed E. 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	3.430		.191		#19	4.989		.190		BM 30-15 (F.C.BM. 73-2C)
	3.239		.190			4.799		.189		San Gabriel River W. side
	3.049		.381			4.610		.379		at Tower # 19
	9.718	3.239		.381	70°	14.398	4.799		.379	See F.B. 1369-18
2	5.370		.188			5.030		.188		
	5.182		.187			4.842		.187		T Martinez
	4.995		.375			4.655		.375		Summation of Run
	15.547	5.182		.756		14.527	4.842		.754	From B.M. 30-15
3	5.160		.191			4.697		.187		To B.M. TBM 20
	4.969		.191			4.510		.185		
	4.778		.382			4.325		.372		Total Backsights = + 19.189
	14.907	4.969		.1138		13.532	4.511		.1126	Total Foresights = − 19.210
4	5.909		.111		#19	5.170		.111		Diff. Elev. = − 0.021
	5.798		.109			5.059		.114		TBM 20
	5.689		.220			4.945		.225		W. Side San Gabriel River
	17.396	5.799		1.358	70°	15.174	5.058		1.351	at Tower #20
										See F.B. 1396-18
										Backsight stadia = 1.358
										Foresight Stadia = 1.351
										Total Stadia = 2.709
										= .17 mi.
		19.189					19.210			

F.B. 2866 P.G. 20

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Cloudy Inst. No. 15066
Notes by Workman Time 8:40 8:55 Rod No. 19820

L.A. Co. Precise Level Net
Name
Job No. C301.02
From TBM 20 To BM 30-15
Date Oct 20, 1961
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	5874 5760 5649	5761	114 111 .225	.225	#19 70°	6778 6667 6555	6666	111 112 .223	.223	TBM 20 San Gabriel River W. side at Tower #20 See F.B. 1396-18
2	4661 4473 4288	4474	188 185 .373	.598		5124 4933 4740	4932	191 193 .384	.607	T Martinez Summation of Run From B.M. TBM 20 To B.M. 30-15
3	4970 4781 4592	4781	189 189 .378	.976		5309 5120 4934	5121	189 186 .375	.982	Total Backsights = +19.936 Total Foresights = −20.080 Diff. Elev. = −00.144
4	5110 4921 4730	4920	189 191 .380	1.356	#19 70°	3552 3361 3170	3361	191 191 .382	1.364	BM 30-15 (F.C. BM 73-2C) San Gabriel River W. side at Tower #19 See F.B. 1396-18
										Backsight stadia = 1.356 Foresight Stadia = 1.364 Total Stadia = 2.720 = .17 mi
			19.936					20.080		

F.B. 2866 P.G. 28

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by Workman Time 2:12 2:22 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-15 To TBM 20
Date Oct. 20, 1961
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	3.420		.192		#19	4.979		.190		BM 30-15
	3.228		.190		72°	4.789		.190		San Gabriel River W. side
	3.038		.382			4.599		.380		at Tower #19
	9.686	3.228		.382		14.367	4.789		.380	See F.B. 1369-18
2	5.121		.185			4.784		.187		T Martinez
	4.936		.186			4.597		.189		
	4.750		.371			4.408		.376		Summation of Run
	14.807	4.935		.753		13.789	4.596		.756	From B.M. 30-15
										To B.M. TBM-20
3	4.988		.191			4.524		.186		
	4.797		.194			4.338		.188		Total Backsights = + 19.668
	4.603		.385			4.150		.374		Total Foresights = − 19.528
	14.388	4.796		1.138		13.012	4.337		1.130	Diff. Elev. = + 0.142
4	6.819		.110			5.918		.114		TBM 20
	6.709		.110			5.804		.113		W. side of San Gabriel
	6.599		.220			5.691		.227		River at tower #20
	20.127	6.709		1.358		17.413	5.804		1.357	See F.B. 1396-18
										Backsight stadia = 1.358
										Foresight Stadia = 1.357
										Total Stadia = 2.715
		19.668					19.528			= .17 mi

F.B. 2866 P.G. 29

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

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

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

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

F.B. 2966 P.G. 30

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather clear Inst. No. 15066
Notes by G E Cook Time 1:40 pm To 1:20 pm Rod No. 19820

Name L.A. Co. Precise Level Net
Job No. 0301.02
From TBM 20 To BM 30-16
Date 10-23-63
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	5730		147		19	4851		150		TBM 20
	5583		146			4701		150		San Gabriel River W. side
	5437					4551				of Tower No 20
	16750	5.583	293	293	74°	14103	4.701	300	300	See F.B. 1396 - 18
2	5071		188			4907		186		T. - J. Maldonado
	4883		190			4721		188		Summation of Run
	4693					4533				From B.M. TBM 20
	14647	4.882	378	671		14161	4.720	374	674	To B.M. 30-16
3	5680		188			5098		189		Total Backsights = 20.558
	5492		185			4909		187		Total Foresights = 17.768
	5307					4722				Diff. Elev. =
	16479	5.493	373	1044		14729	4.910	376	1050	+ 2.790
4	4668		.068		19	3503		.065		BM 30-16
	4600		.068			3438		.067		San Gabriel River, West
	4532		.136			3371		.132		Side @ Tower #21
	13800	4.600		1180	74°	10312	3.437		1182	See FB 1396 - 18
										Backsight stadia = 1.180
										Foresight Stadia = 1.182
										Total Stadia = 2.362
		20.558					17.768			= .15 mi.

F.B. 2866 P.G. 31

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by G. E. Cass Time 2:10 To 2:35 Rod No. 19820

Name L.A. Co. Precise Level Net
Job No. 030102
From BM 30-16 To TBM 20
Date 10-24-61
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
	3684		.067		19	4846		.066		BM 30-16
	3617		.067			4780		.067		San Gabriel River, West
	3550					4713				Side @ Tower #21
1	10851	3617	134	134	72°	14339	4779	133	133	
	5262		180			5859		193		T. M. Martinez
	5082		180			5666		194		Summation of Run
	4902					5472				From B.M. 30-16
2	15246	5082	360	494		16997	5666	387	520	To TB.M. #20
	5002		194			5153		183		Total Backsights = + 18,235
	4808		190			4970		183		Total Foresights = − 21,024
	4618					4787				Diff. Elev. = − 2,789
3	14428	4809	384	878		14910	4970	366	886	
	4875		148		19	5758		149		TBM #20, San Gabriel
	4727		149			5609		150		River, West side @ Tower
	4578					5459				#20
4	14180	4727	297	1175	72°	16826	5609	299	1185	
										Backsight stadia = 1.175
										Foresight Stadia = 1.185
										Total Stadia = 2.360
	18235					21024				d = .15 mi

F.B. 3866 P.G. 32

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks — Weather: Clear — Inst. No. 15066
Notes by: E. E. Brooks — Time: 1:20 – 1:30 — Rod No. 19420

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM 30-16 To: TBM 22
Date: 23 Oct 1961
Indexed: H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	4.017		.187		#19	5.342		.187		BM 30-16
	3.830		.187			5.155		.185		San Gabriel River W. Side
	3.643		.374			4.970		.372		at tower #21
	11.490	3.830		.374	74°	15.417	5.156		.372	See F.B. 1396-18
2	6.533		.190			6.398		.188		
	6.343		.188			6.210		.187		A Maldonado
	6.155		.378			6.023		.375		Summation of Run
	16.031	5.344		.752		15.631	5.210		.747	From B.M. 30-16
3	6.200		.151			6.587		.150		To B.M. TBM 22
	6.049		.149			6.437		.150		Total Backsights = + 19.900
	4.900		.300			5.287		.300		Total Foresights = − 21.558
	15.149	5.050		1.052		16.311	5.437		1.047	Diff. Elev. = − 1.658
4	6.750		.073		#19	6.850		.096		TBM 22
	6.677		.077			6.754		.094		San Gabriel River W.
	6.600		.150			6.660		.190		side at Tower No 22
	17.027	5.676		1.202	74°	17.264	5.755		1.237	See F.B. 1396-
										Backsight stadia = 1.202
										Foresight Stadia = 1.237
										Total Stadia = 2.439
		19.900					21.558			= .15 mi

F.B. 2866 P.G. 33

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by G.E. Cook Time 2:00 To 2:10 Rod No. 19820

Name L.A. Co. Precise Level Net
Job No. 0301.02
From TBM 22 To BM 30-16
Date 10-29-61
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rad and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	5887		089		19	5799		.080		TBM 22
	5798		090			5719		.081		San Gabriel River W.
	5708					5638				Side at Tower No 22
	17393	5798	179	179	72°	17156	5719	161	161	See F.B. 1396-18
2	5464		150			5078		151		T. E. Martinez
	5314		149			4927		149		Summation of Run
	5165					4778				From B.M. TBM 22
	15943	5314	299	478		14783	4927	300	461	To B.M. 30-16
3	5404		189			5542		191		
	5215		186			5351		189		Total Backsights = + 21.644
	5029					5162				Total Foresights = — 19.988 9
	15648	5216	375	853		16055	5352	380	841	Diff. Elev. = + 1.658 5
4	5502		187		19	4179		189		BM 30-16
	5315		185			3990		186		San Gabriel River W. Side
	5130					3804				at Tower No 21
	15947	5316	372	1225	72°	11973	3990	375	1216	See F.B. 1396-18
										Backsight stadia = 1.225
										Foresight Stadia = 1.216
										Total Stadia = 2.441
										= .15 mi.
			21644				9 19988			

F.B. 2866 G.G. 34

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear & Windy Inst. No. 15066
Notes by G.E. Cook Time 1:35 PM To 2:00 PM Rod No. 19870

Name L.A. Co. Precise Level Net
Job No. C301.02
From TBM #22 To BM 30-17
Date 10-23-61
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	5590		173		19	4340		188		TBM #22
	5417		177			4152		184		San Gabriel River W. Side
	5240					3968				at tower #22
	16247	5416	350	350	74°	12460	4153	372	350	See F.B. 1396-18
2	4819		189			4586		187		T. J. Maldonado
	4680		187			4399		187		Summation of Run
	4443					4212				From B.M. T.B.M. #22
	13892	4631	376	726		13197	4399	374	724 46	To B.M. 30-17
3	4803		151			4909		150		
	4652		149			4759		149		Total Backsights = + 19.892
	4503					4610				Total Foresights = − 18.618
	13958	4653	300	1026		14278	4759	299	1023 45	Diff. Elev. = + 1.274
4	5257		065			5371		065		BM 30-17.
	5192		064			5306		066		San Gabriel River West
	5128					5240				Side at Tower #23
	15577	5192	129	1155	74°	15917	5306	131	1154 76	
										Backsight stadia = 1.155
										Foresight Stadia = 1.154
										Total Stadia = 2.309
		19.892					18.618			2.15 mi.

F.B. 2866 P.G. 33

76P526-CE 379—10-57

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Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by G. E. Cook Time 1^45 To 2^00 Rod No. 19620

Name L.A. Co. Precise Level Net
Job No. 03.01.02
From BM 30-17 To TBM #22
Date 10-24-61
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
	5501		.066		19	5386		.065		BM 30-17, San Gabriel
	5435		.065			5321		.065		River, W. Side at Tower
1	5370					5256				#23
	16306	5435	131	131	74°	15963	5321	130	130	
	4887		149			4780		150		T. M. Martinez
	4738		150			4630		150		
2	4588					4480				Summation of Run From B.M. 30-17 To T.B.M. #22
	14213	4738	299	430		13890	4630	300	430	
	4791		184			5028		188		Total Backsights = 19.001
	4607		187			4840		188		Total Foresights = 20.275
3	4420					4652				Diff. Elev. = − 1.274
	13818	4606	371	801		14520	4840	376	806	
	4409		188		19	5659		176		TBM #22, San Gabriel
	4221		186			5483		174		River, West Side at Tower
4	4035					5309				#22
	12665	4222	374	1175	72°	16451	5484	350	1156	
										Backsight stadia = 1.175
										Foresight Stadia = 1.156
										Total Stadia = 2.331
										= .15 mi.
	19001					20275				

F.B. 2866 PG. 36

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks — Weather: Clear - Windy — Inst. No.: 15066
Notes by: E. E. Brooks — Time: 2:00 - 2:10 — Rod No.: 19720

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 30-17 To: TBM # 24
Date: 23 Oct 1963
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
	5.257		.187		#19	4.560		.187		BM 30-17
	5.070		.188			4.373		.186		San Gabriel River N. Side
1	4.882		.375			4.187		.373		at tower # 23
	15.209	5.070		.375	74°	13.120	4.373		.373	See F.B. 1396-20
	4.971		.188			4.001		.184		
	4.783		.185			3.817		.188		
2	4.598		.373			3.629		.372		π Maldonado
	14.352	4.784		.748		11.447	3.816		.745	Summation of Run From B.M. 30-17 To T.B.M. # 24
	5.180		.150			4.368		.150		
	5.030		.149			4.218		.150		Total Backsights = + 20.511
3	4.881		.299			4.068		.300		Total Foresights = − 19.804
	15.091	5.030		.1047		12.654	4.218		.1045	Diff. Elev. = + 0.707
	5.697		.070		#19	7.463		.066		TBM 24
	5.627		.069			7.397		.067		San Gabriel River W.
4	5.558		.139			7.330		.133		side at Tower No 24
	16.882	5.627		1.186	74°	22.190	7.397		1.178	See F.B. 1396-20
										Backsight stadia = 1.186
										Foresight Stadia = 1.178
										Total Stadia = 2.364
		20.511					19.804			≈ .15 mi.

F.B. 2866 P.G. 32

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny Inst. No. 15066
Notes by J.M.M. Time 1:35 to 1:45 Rod No. 19820

Name L.A. Co. Precise Level Net
Job No. 0301.02
From T.B.M. #24 To BM 30-17
Date 10-24-61
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	7.385		.066		#19	5.618		.069		T.B.M. #24
	7.319		.068			5.549		.070		San Gabriel River N Side
	7.251		.134			5.479		.139		At tower #24
	21.955	7.318		.134	74°	16.646	5.549		.139	See FB 1396-20
2	4.444		.151			5.258		.150		T Martinez
	4.293		.149			5.108		.150		Summation of Run
	4.144		.300			4.958		.300		From T.B.M. #24
	12.881	4.294		.434		15.324	5.108		.439	To B.M. 30-17
3	4.014		.186			4.983		.186		Total Backsights = + 19.995
	3.828		.188			4.797		.188		Total Foresights = − 20.706
	3.640		.374			4.609		.374		Diff. Elev. = − 0.71
	11.482	3.827		.808		14.389	4.796		.813	
4	4.743		.186			5.441		.189		BM 30-17
	4.557		.187			5.252		.186		San Gabriel River N. Side
	4.370		.373			5.061		.375		At tower #23
	13.670	4.557		.1181	74°	15.759	5.253		.1188	See F.B. 1396-20
										Backsight Stadia = 1.181
										Foresight Stadia = 1.188
										Total Stadia = 2.369
										= .15 mi.
	19.995					20.706				

F.B. 2266 P.G. 38

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks
Notes by: E. E. Brooks
Weather: Clear - Windy
Time: 2:10 - 2:25
Inst. No. 15066
Rod No. 19820

Name: L.A. Co. Precise Level Net
Job No. 030107
From: TBM #24 To: TBM #25
Date: 23 Oct 1961
Indexed: E. E. Oh

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	7.398		.187		#19	6.327		.188		T.B.M #24
	7.211		.183			5.139		.188		San Gabriel River N. Side
	7.028		.370			4.951		.376		at tower #24
	21.637	7.212		.370	74°	15.417	5.139		.376	See F.B. 1396-20
2	6.833		.185			4.058		.188		T. Maldonado
	6.648		.189			3.870		.187		Summation of Run
	6.459		.374			3.683		.375		From B.M. TBM #24
	19.940	6.647		.744		11.611	3.870		.751	To B.M. " #25
3	4.592		.150			4.380		.150		Total Backsights = + 22.103
	4.442		.152			4.230		.150		Total Foresights = − 17.666
	4.290		.302			4.080		.300		Diff. Elev. = + 4.437
	13.324	4.441		1.046		12.690	4.230		1.051	
4	4.864		.061		#19	4.487		.060		TBM 25
	4.803		.060			4.428		.059		San Gabriel River W. Side
	4.743		.121			4.368		.119		at tower #25
	14.410	4.803		1.167	72°	13.282	4.427		1.170	See F.B. 1396-20
										Backsight stadia = 1.167
										Foresight Stadia = 1.170
										Total Stadia = 2.337
		22.103					17.666			= .15 mi.

F.B. 2866 P.G. 39

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks
Notes by: J. M. M.
Weather:
Time: 1:20 to 1:35
Inst. No. 15066
Rod No. 19820

L.A. Co. Precise Level Net
Name:
Job No. 03.01.02
From T.B.M. #25 To T.B.M. #24
Date: 10-24-61
Indexed: H. E. Oh

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	4.442		.059		#19	4.820		.060		T.B.M. #25
	4.383		.059			4.760		.060		San Gabriel River W. Side
	4.324		.118			4.700		.120		at tower #25
	13149	4.383		.118	74°	19280	4.760		120	See F.B. 1396-20
2	4.454		.149			4.670		.152		T. E. Martinez
	4.305		.149			4.518		.151		Summation of Run
	4.156		.298			4.367		.303		From T.B.M. #25
	12916	4.305		.416		13555	4.518		.423	To T.B.M. #24
3	4.097		.189			5.869		.186		
	3.908		.186			5.683		.188		Total Backsights = + 17.794
	3.722		.375			5.495		.374		Total Foresights = − 22.231
	11727	3.909		.791		17047	5.682		.797	Diff. Elev. = − 4.437
4	5.383		.185			7.458		.188		T.B.M. #24
	5.198		.189			7.270		.186		San Gabriel River W. Side
	5.009		.374			7.084		.374		at tower #24
	15590	5.197		1.165	74°	21812	7.271		1.171	See F.B. 1396-20
										Backsight stadia = 1.165
										Foresight stadia = 1.171
										Total Stadia = 2.336
										= .15 mi
	17.794					22.231				

F.B. 2866 P.G. 40

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear - Windy Inst. No. 15066
Notes by E. E. Brooks Time 2:25 - 2:35 Rod No. 19420

Name L.A. Co. Precise Level Net
Job No. 0.301.02
From TBM #25 To TBM #26
Date 23 Oct 1961
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	5.172		.184		#19	4.971		.184		T.B.M #25
	4.988		.187			4.787		.187		San Gabriel River W. Side
	4.801		.371			4.600		.371		at tower 25
	14.961	4.987		.371	74°	14.358	4.786		.371	See F.B. 1396-20
2	5.083		.185			5.152		.184		T Maldonado
	4.898		.188			4.968		.187		
	4.710		.373			4.781		.371		Summation of Run
	14.691	4.897		.744		14.901	4.967		.742	From B.M. T.B.M. #25
										To B.M. " #26
3	5.432		.150			4.230		.149		
	5.282		.151			4.081		.150		Total Backsights = + 20.241
	5.131		.301			3.931		~~.302~~ .299		Total Foresights = − 19.701
	15.845	5.282		1.045		12.242	4.081		1.041 ~~1.044~~	Diff. Elev. = + 0.540
4	5.147		.071		#19	5.941		.073		TBM 26
	5.076		.072			5.868		.076		San Gabriel River W. Side
	5.003		.144			5.792		.149		at tower #26
	15.226	5.075		1.184	74°	17.601	5.867		1.190 ~~1.197~~	See F.B. 1396-20
										Backsight stadia = 1.189
										Foresight Stadia = 1.199
										Total Stadia = 2.388
		20.241					19.701			= .15 mi.

F.B. 2866 P.G. 1

76P526-CE 379—10-57

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks
Weather:
Inst. No. 15066
Notes by: J.M.M.
Time: 1:10 to 1:20
Rod No. 19720

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: T.B.M. #26 To: T.B.M. #25
Date: 10-2-61
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	5.617		0 .173		#19	4.822		.071		T.B.M. #26
	5.544		0 .173			4.751		.071		San Gabriel River W. Side
	5.471		.146			4.680		.142		at tower #26
	16.632	5.544		.346	74°	14.253	4.751		.142	See F.B. 1396-20
2	4.161		.151			5.362		.151		TEMantinez
	4.010		.148			5.211		.149		
	3.862		.299	.445		5.062		.300		Summation of Run From T.B.M. #26 To T.B.M. #25
	12.033	4.011		.645		15.635	5.212		.442	
3	5.200		.189			5.129		.188		
	5.011		.186			4.941		.186		Total Backsights = + 19.347
	4.825		.375	.820		4.755		.374		Total Foresights = − 19.886
	15.036	5.012		~~1.020~~		14.825	4.942		.816	Diff. Elev. = − 0.539
4	4.966		.186			5.168		.187		T.B.M. #25
	4.780		.186			4.981		.186		See F.B. 1396-20
	4.594		.372	1.192		4.795		.373		Backsight stadia = 1.392
	14.340	4.780		~~1.392~~	74°	14.944	4.981		1.189	Foresight Stadia = 1.189
										Total Stadia = 2.581
										= .49 mi.
										.15

F.B. 2866 P.G. 42

19.347 ✓ 19.886 ✓

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks — Weather: Clear + Windy — Inst. No. 15066
Notes by: G.E. Cook — Time: 2:45 to 3:00 — Rod No. 19420

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: TBM #26 To: BM 30-18
Date: 10-23-61
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	6655		187		19	5088		190		TBM #26
	6468		185			4898		189		San Gabriel River W. Side
	6283					4709				at Tower #26
	19406	6469	372	372	74	14695	4898	379	379	See F.B. 1396-20
2	5296		188			4762		190		A F.E. Brooks
	5108		188			4572		188		Summation of Run
	4920					4384				From B.M. TBM 26
	15324	5108	376	748		13718	4573	378	757	To B.M. 30-18
3	4981		152			4718		150		Total Backsights = + 20.340
	4829		149			4568		150		Total Foresights = − 18.536
	4680					4418				Diff. Elev. = + 1.804
	14490	4830	301	1049		13704	4568	300	1057	
4	4020		090		19	4588		091		
	3930		090			4497		092		Backsight stadia = 1.329
	3840					4405				Foresight Stadia = 1.340
	11790	3930	180	1.329	74	13490	4497	183	1.340	Total Stadia = 2.669
										BM 30-18, San Gabriel River W. Side at Tower #27, See FB 1396-22
		20340					18536			

F.B. 2866 PG. 43

229

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by R.E. Cook Time 11:55 - 12:05 Rod No. 19820

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 30-18 To TBM #26
Date 10-24-61
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	5539		.090		19	4974		.090		BM 30-18, San Gabriel River W. Side at Tower #27, See FB 1396-22
	5449		.090			4884		.091		
	5359					4793				
	16347	5449	180	180	74°	14651	4884	181	181	
2	5112		150			5372		150		T. Rodriguez
	4962		150			5222		150		Summation of Run From B.M. 30-18 To T.B.M. #26
	4812					5072				
	14886	4962	300	480		15666	5222	300	481	
3	5202		189			5734		186		Total Backsights = + 20.608
	5013		186			5548		189		Total Foresights = − 22.399
	4827					5359				Diff. Elev. = − 1.791
	15042	5013	375	855		16641	5547	375	856	
4	5363		186		19	6933		186		Backsight stadia = 1.230
	5177		189			6747		188		Foresight Stadia = 1.230
	4988					6559				Total Stadia = 2.460
	15528	5176	375	1230	76°	20239	6746	374	1230	d = .16 mi
										TBM #26, San Gabriel River West Side at Tower #26 See FB 1396-20

F.B. 2966 P.G. 44

20608 22399

+1

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear windy Inst. No. 15066
Notes by G.E. Cook Time 3:00 TO 3:20 Rod No. 19420

Name L.A. Co. Precise Level Net
Job No. 030102
From BM 30-18 To TBM #28
Date 10-25-61
Indexed B.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	1890		189		19	4680		189		BM 30-18
	1702		187			4491		186		San Gabriel River W. Side
	1515					4305				at tower #27
	5107	1702	375	375	74°	13476	4492	375	375	See F.B. 1396-22
2	4900		189			4871		186		T. F.E. Brooks
	4711		186			4685		185		Summation of Run
	4525					4500				From B.M. 30-18
	14136	4712	375	750		14056	4685	371	746	To B.M. TBM-28
3	5330		185			5482		200		
	5145		185			5282		198		Total Backsights = + 15.168
	4960					5084				Total Foresights = − 18.162
	15435	5145	370	1120		15848	5283	398	1144	Diff. Elev. = − 2.994
4	3760		150		19	3848		146		
	3610		151			3702		142		Backsight stadia = 1.421
	3459					3560				Foresight Stadia = 1.432
	10829	3609	301	1421	74°	11110	3703	288	1432	Total Stadia = 2.853
										= .18 mi.
										TBM #28, San Gabriel River W. Side at Tower #28, See F.B. 1396-22
		15168					18162			

F.B. 1396 P.G. 25

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Clear Inst. No. 15066
Notes by: G.E. Cook Time: 11:40 to 11:55 Rod No. 19420

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: B.M. #28 To: B.M. 30-18
Date: 10-29-61
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	5352		150		19	5252		144		TBM #28, San Gabriel River W. Side, at Tower #28 See F.B. 1396-22
	5202		150			5108		145		
	5052					4963				
	15606	5202	300	300	74°	15323	5108	289	289	
2	5585		200			5432		187		TT R.R. Rodriguez
	5385		198			5245		186		Summation of Run From B.M. TBM 28 To B.M. 30-18
	5187					5059				
	16157	5386	398	698		15736	5245	373	662	
3	5237		180			5281		198		Total Backsights = +21.044
	5057		179			5083		194		Total Foresights = −18.045
	4878					4889				Diff. Elev. = +2.999
	15172	5057	359	1057		15253	5084	392	1054	
4	5585		186		19	2793		185		Backsight stadia = 1.430
	5399		187			2608		186		Foresight Stadia = 1.425
	5212					2422				Total Stadia = 2.855 = .18 mi.
	16196	5399	373	1430	74°	7823	2608	371	1425	
										BM 30-18 San Gabriel River W. Side at Tower #27. See FB 1396-22
			21044					18045		

F.B. 2866 P.G. 46

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Clear & Windy Inst. No. 15066
Notes by G. E. Cook Time 3:20 pm To 3:40 pm Rod No. 19820

L.A. Co. Precise Level Net
Name
Job No. 030102
From TBM #28 To BM 30-19
Date 10-23-61
Indexed B. 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	4060		188		19	4029		189		T.B.M #28
	3872		187			3840		192		San Gabriel River W. Side
	3685					3648				at tower #28
	11617	3872	375	375	74°	11517	3839	381	381	See F.B 1396-22
2	5048		183			4851		189		T F.E. Brooks
	4865		180			4662		189		Summation of Elev
	4685					4473				From B.M. TBM 28
	14598	4866	363	738		13986	4662	378	759	To B.M. 30-19
3	4963		151			4719		150		
	4812		150			4569		149		Summation of Elev Total Backsights = +
	4662					4420				From B.M. = Total Foresights = −
	14437	4812	301	1039		13708	4569	299	1058	To B.M. + 7.940 = Diff. Elev. =
4	5172		087		19	3714		084		
	5090		080			3630		085		= .15 mi.
	5010					3545				Backsight stadia = 1.201
	15272	5090	162	1201	72°	10889	3629	169	1227	Foresight Stadia = 1.227
										Total Stadia = 2.428
										BM 30-19 San Gabriel River W. Side at Tower #29 See F.B. 1396-22
		18638					16699			

F.B. 2866 P.G. 11

76P526-CE 379—10-57

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Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by G. E. Cook Time 11:25 to 11:40 Rod No. 19720

L.A. Co. Precise Level Net
Name
Job No. 1391.02
From BM 30-19 To TBM #28
Date 10-24-61
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	3917		.084		19	5378		.082		BM 30-19, San Gabriel River W. Side at Tower #29 See F.B. 1396-22
	3833		.083			5296		.084		
	3750					5212				
	11500	3833	167	167	74°	15886	5295	166	166	
2	5091		149			5334		149		T. R.R. Rodriguez
	4942		150			5185		150		Summation of Run From B.M. 30-19 To T.B.M. 28
	4792					5035				
	14825	4942	299	466		15554	5185	299	465	
3	5235		187			5437		184		Total Backsights = + 18.084
	5048		183			5253		182		Total Foresights = − 20.029
	4865					5071				Diff. Elev. = − 1.945
	15148	5049	370	836		15761	5254	366	831	
4	4449		188		19	4484		184		Backsight stadia = 1.213
	4261		189			4295		188		Foresight Stadia = 1.208
	4072					4107				Total Stadia = 2.421
	12782	4261	377	1213	74°	12886	4295	377	1208	= .15 mi.
										TBM #28, San Gabriel River W. Side, at Tower #28 See FB 1396-22
			18084					20029		

F.B. 2866 P.G. 18

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Sunny Inst. No. 15066
Notes by ~~F. E. Brooks~~ J.M.M. Time 8:35 to 8:50 Rod No. 19420

L.A. Co. Precise Level Net
Name
Job No. 030102
From BM 30-19 To BM 30-20
Date 10-24-61
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	3.751		.187		#19	4.095		.189		BM 30-19
	3.564		.185			3.906		.186		San Gabriel River W. Side
	3.379		.372			3.720		.375		at tower #29
	10.694	3.565		.372	62°	11.721	3.907		.375	See F.B. 1396-22
2	5.441		.186			4.889		.190		π F. E. Brooks
	5.255		.185			4.699		.192		Summation of Run
	5.070		.371			4.507		.382		From B.M. Run 30-19
	15.766	5.255		.743		14.095	4.698		.757	To B.M. 30-20
3	5.435		.150			4.982		.150		
	5.285		.150			4.832		.149		Total Backsights = + 18.975
	5.135		.300			4.683		.299		Total Foresights = − 18.090
	15.855	5.285		1.043		14.497	4.832		1.056	Diff. Elev. = + 0.885
4	4.930		.060			4.715		.060		BM 30-20
	4.870		.060			4.655		.060		San Gabriel River W. Side
	4.810		.120			4.595		.120		at tower #30
	14.610	4.870		1.163	62°	13.965	4.655		1.176	See F.B. 1396-22
										Backsight stadia = 1.163
										Foresight Stadia = 1.176
										Total " = 2.339
										= .15 mi.
		18.975					18.090			

F.B. 2866 P.G. 46

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks
Weather:
Inst. No. 15066
Notes by:
Time: 11:05 + 11:15
Rod No. 19820

Name: L.A. Co. Precise Level Net
Job No. 6301.02
From: BM 30-20 To: BM 30-19
Date: 10-24-61
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	4.939		.060		#19	5.152		.060		BM 30-20
	4.879		.060			5.092		.060		San Gabriel River W. side
	4.819		.120			5.032		.120		at tower #30
	14.637	4.879		.120	74°	15.276	5.092		.120	See F.B. 1396-22
2	5.105		.152			5.555		.150		T R.R. Rodriguez
	4.953		.148			5.405		.148		Summation of Run
	4.805		.300			5.257		.298		From B.M. 30-20
	14.863	4.954		.420		16.217	5.406		.418	To B.M. 30-19
3	5.066		.193			5.617		.188		Total Backsights = +18.949
	4.873		.190			5.429		.187		Total Foresights = −19.827
	4.683		.383			5.242		.375		Diff. Elev. = −0.878
	14.622	4.874		.803		16.288	5.429		.793	
4	4.429		.187			4.087		.186		B.M. 30-19
	4.242		.187			3.901		.189		San Gabriel River W. side
	4.055		.374			3.712		.375		at tower #29
	12.726	4.242		1.177	74°	11.700	3.900		1.168	See F.B. 1396-22
										Backsight stadia = 1.177
										Foresight Stadia = 1.168
										Total Stadia = 2.345
										= .15 mi.
	18.949					19.827				

F.B. 2966 P.G. 50

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks — Weather: Sunny — Inst. No. 15066
Notes by: ~~F. E. Brooks~~ J.M.M. — Time: 8:50 to 9:05 — Rod No. 19920

L.A. Co. Precise Level Net
Name:
Job No. 030102
From BM 30-20 To T.B.M. #31
Date: 10-24-61
Indexed: H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	5.071		.187		#19	5.115		.186		BM 30-20
	4.884		.185			4.929		.186		San Gabriel River W. Side
	4.699		.372			4.743		.372		at tower # 30
	14.654	4.885		.372	62°	14.787	4.929		.372	See F.B 1396-22
2	4.791		.169			4.123		.168		π F. E. Brooks
	4.622		.167			3.955		.166		Summation of Run
	4.455		.336			3.789		.334		From B.M. 30-20
	13.868	4.623		.708		11.867	3.956		.706	To T.B.M. #31
3	4.491		.129			5.151		.131		Total Backsights = + 18.519
	4.362		.130			5.020		.131		Total Foresights = − 19.493
	4.232		.259			4.889		.262		Diff. Elev. = − 0.974
	13.085	4.362		.967		15.060	5.020		.968	
4	4.838		.188			5.775		.187		T.B.M. #31
	4.650		.188			5.588		.187		San Gabriel River W. Side
	4.462		.376			5.401		.374		at tower #31
	13.950	4.650		13.43	64°	16.764	5.588		1.342	See F.B. 1396-24
										Backsight stadia = 1.343
										Foresight Stadia = 1.342
										Total Stadia = 2.685
										= .17 mi.
		18.519					19.493			

F.B. 2866 P.G. 57

76P526-CE 379—10-57

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Inst. No. 15066
Notes by Time 10:50 to 11:05 Rod No. 19920

Name L.A. Co. Precise Level Net
Job No. 0.30.1.07
From T.B.M. #31 To B.M. 30-20
Date 10-24-61
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	6.025 5.838 5.652	5.838	.187 .186 .373	.373	#19 74°	5.088 4.899 4.712	4.899	.189 .187 .376	.376	T.B.M. #31 San Gabriel River W. Side at tower #31 See F.B. 1396-24
2	5.308 5.177 5.046	5.177	.131 .131 .262	.635		4.649 4.519 4.389	4.519	.130 .130 .260	.636	T R.R. Rodriguez Summation of Run From T.B.M. #31 To B.M. 30-20
3	4.337 4.168 4.002	4.169	.169 .166 .335	.970		5.003 4.835 4.668	4.835	.168 .167 .335	.971	Total Backsights = + 20.290 Total Foresights = − 19.313 Diff. Elev. = + 0.977
4	5.292 5.105 4.921	5.106	.187 .184 .371	1.341	74°	5.247 5.061 4.873	5.060	.186 .188 .374	1.345	B.M. 30-20 San Gabriel River W. Side at tower #30 See F.B. 1396-22
										Backsight stadia = 1.341 Foresight Stadia = 1.345 Total Stadia = 2.686 = .17 mi.

F.B. 2866 P.G. 52

20.290 19.313

4

76P526-CE 379—10-57

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Chief of Party F. E. Brooks Weather Sunny Inst. No. 15066
Notes by ~~F. E. Brooks~~ J.M.M. Time 9:05 to 9:15 Rod No. 19 FRD

L.A. Co. Precise Level Net
Name
Job No. 030102
From TBM #31 To BM 30-21
Date 10-24-66
Indexed H. E. Off

Number of Station	BACKSIGHT Thread 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	5.731		.092		#19	4.661		.096		TBM #31
	5.639		.095			4.565		.096		San Gabriel River W. Side
	5.544		.187			4.469		.192		at tower #31
	16.914	5.638		.187	64°	13.695	4.565		.192	See F.B. 1396-24
2	5.195		.190			4.918		.188		F. E. Brooks
	5.005		.187			4.730		.188		Summation of Run
	4.818		.377			4.542		.376		From T.B.M. #31
	15.018	5.006		.564		14.190	4.730		.568	To B.M. 30-21
3	5.100		.188			4.858		.189		Total Backsights = + 20.561
	4.912		.187			4.669		.187		Total Foresights = − 18.904
	4.725		.375			4.482		.376		Diff. Elev. = + 1.657
	14.737	4.912		.939		14.009	4.670		.944	
4	5.191		.187			5.127		.187		BM 30-21
	5.004		.185			4.940		.189		San Gabriel River W. Side
	4.819		.372			4.751		.376		at tower #32
	15.014	5.005		1.311	68°	14.818	4.939		1.320	See F.B. 1396-24
										Backsight stadia = 1.311
										Foresight Stadia = 1.320
										Total Stadia = 2.631
										= .17 mi.
		20.561					18.904			

F.B. 2866 P.G. 55

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny Inst. No. 15066
Notes by F. E. Brooks Time 10:40 to 10:50 Rod No. 19420

Name L.A. Co. Precise Level Net
Job No. 0301.02
From B.M. 30-21 To T.B.M. #31
Date 10-24-61
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	5233 5.047 4.861		.186 .186 .372		#19	5301 5.113 4927		.188 .186 .374		B.M. 30-21 San Gabriel River W. Side at tower #32 See F.B. 1396-24
	15.141	5.047		.372	72°	15.341	5.114		.374	
2	4.924 4.738 4.552		.186 .186 .372			5.167 4.979 4.792		.188 .187 .375		T R.R. Rodriguez Summation of Run From B.M. 30-21 To T.B.M. #31
	14.214	4.738		.744		14.938	4.979		.749	
3	5.132 4.947 4.758		.185 .189 .374			5.409 5.219 5.029		.190 .190 .380		Total Backsights = + 19.533 Total Foresights = − 21.187 Diff. Elev. = − 1.654
	14.837	4.946		.1.118		15.657	5.219		1.129	
4	4.897 4.802 4.707		.095 .095 .189			5.969 5.874 5.782		.095 .092 .187		T.B.M. #31 San Gabriel River W. Side at tower #31 See F.B. 1396-24
	14.406	4.802		1.307	74°	17.625	5.875		1.316	
										Backsight stadia = 1.307 Foresight Stadia = 1.316 Total Stadia = 2.623 = .17 mi.
	19.533					21.187				

F.B. 2866 P.G. 54

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by G.E. Cook Time 9:20 to 9:40 Rod No. 19420

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 30-21 To BM 8-30
Date 10-24-61
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	5282		058		19	4841		060		BM 30-21
	5224		059			4781		059		San Gabriel River W. Side
	5165					4722				at tower #32
	15671	5224	117	117	68°	14344	4781	119	119	See F.B 1396-24
2	5455		186			4762		190		T. F.E Brooks
	5269		187			4572		186		
	5082					4386				
	15806	5269	373	490		13720	4573	376	495	
3	5664		182			4688		188		
	5482		184			4500		190		Summation of Run
	5298					4310				From B.M. 30-21
	16344	5481	366	856		13498	4499	378	873	To B.M. 8-30
4	5155		187			5133		186		
	4968		187			4947		187		Total Backsights = +24.423
	4781					4760				Total Foresights = −21.420
	14904	4968	374	1230		14840	4947	373	1246	Diff. Elev. = +3.003
5	3580		099		19	2708		088		BM 8-30, See FB 1209-27
	3481		099			2620		089		Backsight stadia = 1,428
	3382					2531				Foresight Stadia = 1,423
	10343	3481	198	1428	70°	7859	2618	177	1423	Total Stadia = 2,851
		24423					21420			= .18 mi.

F.B. 2866 PG. 35

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear Inst. No. 15066
Notes by G. E. Cook Time 10:15 To 10:35 Rod No. 19420

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 8-30 To BM 30-21
Date 10-24-61
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	2902		.088		19	3774		.097		BM 8-30
	2814		.089			3677		.099		Near Spring St & San Gabriel
	2725					3578				River. See FB 1209-27
	8441	2814	177	177	72°	11029	3679	196	196	
2	5122		.188			5142		.187		A F.E. Brooks
	4934		.186			4955		.185		
	4748					4770				
	14804	4934	374	551		14867	4956	372	568	
3	4550		.187			5533		.185		Summation of Run
	4363		.185			5348		.188		From B.M. 8-30
	4178					5160				To B.M. 30-21
	13091	4364	372	923		16041	5347	373	941	
4	4835		.188			5528		.188		Total Backsights = + 21.212
	4647		.187			5340		.185		Total Foresights = − 24.2196
	4460					5155				Diff. Elev. = − 3.0084
	13942	4647	375	1298		16023	5341	373	1314	
	4512		.060		19	4954		.059		BM 30-21, See FB 1396-24
	4452		.058			4895		.057		Backsight stadia = 1.416
	4394					4838				Foresight stadia = 1.430
	13358	4453	118	1416	72°	14687	4896	116	1430	Total Stadia = 2.846
	21.212					24.219				= .18 mi.

F.B. 2966 P.G. 61

76P526-CE 379—10-57

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Chief of Party F. E. Brooks Weather Clear Inst. No. 15066
Notes by G. E. Cook Time 9.40 To 9.50 Rod No. 19 + 20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 8-30 To BM 8-30A
Date 10-24-61
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
	4629		043		19	4335		042		BM 8-30
1	4586		043			4293		042		Near Spring St and San
	4543					4251				Gabriel River at tower #33
	13758	4586	86	86	68°	12879	4293	84	84	See F.B. 1209-27
	9960		098			1931		096		T. F.E. Brooks
2	9862		097			1835		097		Summation of Run
	9765					1738				From BM. 8-30
	29587	9862	195	281		6504	1835	193	277	To BM. 8-30A
	7523		136		19	2128		148		BM 8-30A,
3	7387		137			1980		149		Spring St & San Gabriel
	7250					1831				River. See FB. 1209-267
	22160	7387	273	554	68°	5939	1979	297	574	
										Total Backsights = + 21.837
										Total Foresights = − 8.107
										Diff. Elev. = +13.730
										Backsight stadia = 5.54
										Foresight Stadia = 5.74
										Total Stadia = 11.28
										= .07 mi.
		21837					8107			

F.B. 2866 P.G. 59

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party ..... Weather Clear Inst. No 15066
Notes by G E Cook Time 10^05 - 1015 Rod No. 19420

L.A. Co. Precise Level Net
Name .....
Job No. 0301.02
From BM 8-30A To BM 8-30
Date 10-29-61
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	2017		.149		19	7411		136		BM 8-30 A, Spring St & San Gabriel River See FB 1209-267
	1868		.150			7275		135		
	1718					7140				
	5603	1868	299	299	70°	21826	7275	271	271	
2	2346		.098			10373		097		⊼ F.E. Brooks
	2248		.098			10276		097		
	2150					10179				
	6744	2248	196	495		30828	10276	194	465	
3	4408		.041		19	4705		.042		BM 8-30 See, F.B. 1209-27
	4367		.042			4663		.043		Summation of Run From B.M. 8-30A To B.M. 8-30
	4325					4620				
	13100	4367	.083	578	72°	13988	4663	85	550	

F.B. 2866 P.G. 56

Total Backsights = + 8.483
Total Foresights = −22.214
Diff. Elev. = −13.731

Backsight stadia = 578
Foresight Stadia = 550
Total Stadia = 1,128

8483 22214 = .07 mi

76P526-CE 379--10-57

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Chief of Party F.E. Brooks Weather Clear Inst. No. 15066
Notes by G.E. Cook Time 9:50 AM To 10:00 Rod No. 19+20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 8-30A To BM 8-31A
Date 10-24-61
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
	5305		075		19	4756		081		BM 8-30A
1	5230		075			4675		081		Spring St and San Gabriel
	5155					4594				River
	15690	5230	150	150	68°	14025	4675	162	162	See F.B. 1209-267
	2125		102		19	11430		100		BM 8-31A where
2	2023		103			11330		099		Spring St & San Gabriel
	1920					11231				River. See F.B. 1396-24
	6068	2023	205	355	74°	33991	11330	199	361	

F.E. Brooks
Summation of Run
From B.M. 8-30A
To B.M. 8-31

Total Backsights = + 7.253
Total Foresights = −16.005
Diff. Elev. = −8.752

Backsight stadia = 355
Foresight Stadia = 361
Total Stadia = 0.716
± .05 mi.

F.B. 2866 P.G. 59

7253 16005

76P526-CE 379—10-57

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Chief of Party ..... Weather Clear Inst. No 15066
Notes by G E Cook Time 10.00 AM TO 10.05 AM Rod No. 19 + 20

L.A. Co. Precise Level Net
Name .....
Job No. 030102
From BM 8-31A To BM 8-30A
Date 10-24-61
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	11316		.101		19	2010		.102		BM 8-31A
	11215		.098			1908		.103		Near Spring St & San Gabriel
	11117					1805				River See F.B. 1396-24
	33648	11216	199	199	74°	5723	1908	205	205	
2	4740		.082		19	5290		.077		BM 8-30A.
	4658		.080			5213		.075		Spring St & San Gabriel River
	4578					5138				See F.B. 1209-267
	13976	4658	162	361	74°	15641	5213	152	357	
										T F.E. Brooks
										Summation of Run From B.M. 8-31 To B.M. 8-30A
										Total Backsights = + 15.874 Total Foresights = − 7.121 Diff. Elev. = + 8.753
										Backsight stadia = .361 Foresight Stadia = .357 Total Stadia = 0.718 2.05 mi.

F.B. 2866 PG. 68

15874 7121

Notes Ck'd by:	Survey of: [redacted]	F.B. 2866 Pg. 61
Map No.	JN 0301.02 Tape Std. °F	
Office Work	Surveyed by: E. E. Brooks	
Checked	Notes: E. E. Ott Date: [redacted]	
Date	Indexed	

J.N. 0301.02

RERUN of LINE No. 30

Route:
2nd part
S. on Clark Ave. from Atherton St. to Pacific Coast Hwy. — S.E. on Pacific Coast Hwy. to 2nd St. — S. on 2nd St. to Marina St. — S.E. on Marina St. to Long Beach Marina — S. through parking lot to center of Marina, N. along W. bank of San Gabriel River to 7th St.

See F.B. 1396-164 for 1st part of Route - Line 30 Which is continued in this book on Pg. 7 thru to pg. 60

F.E. Brooks
J.M. Maldonado
E. Martinez
G.E. Cook
R.R. Rodriguez
G. 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.

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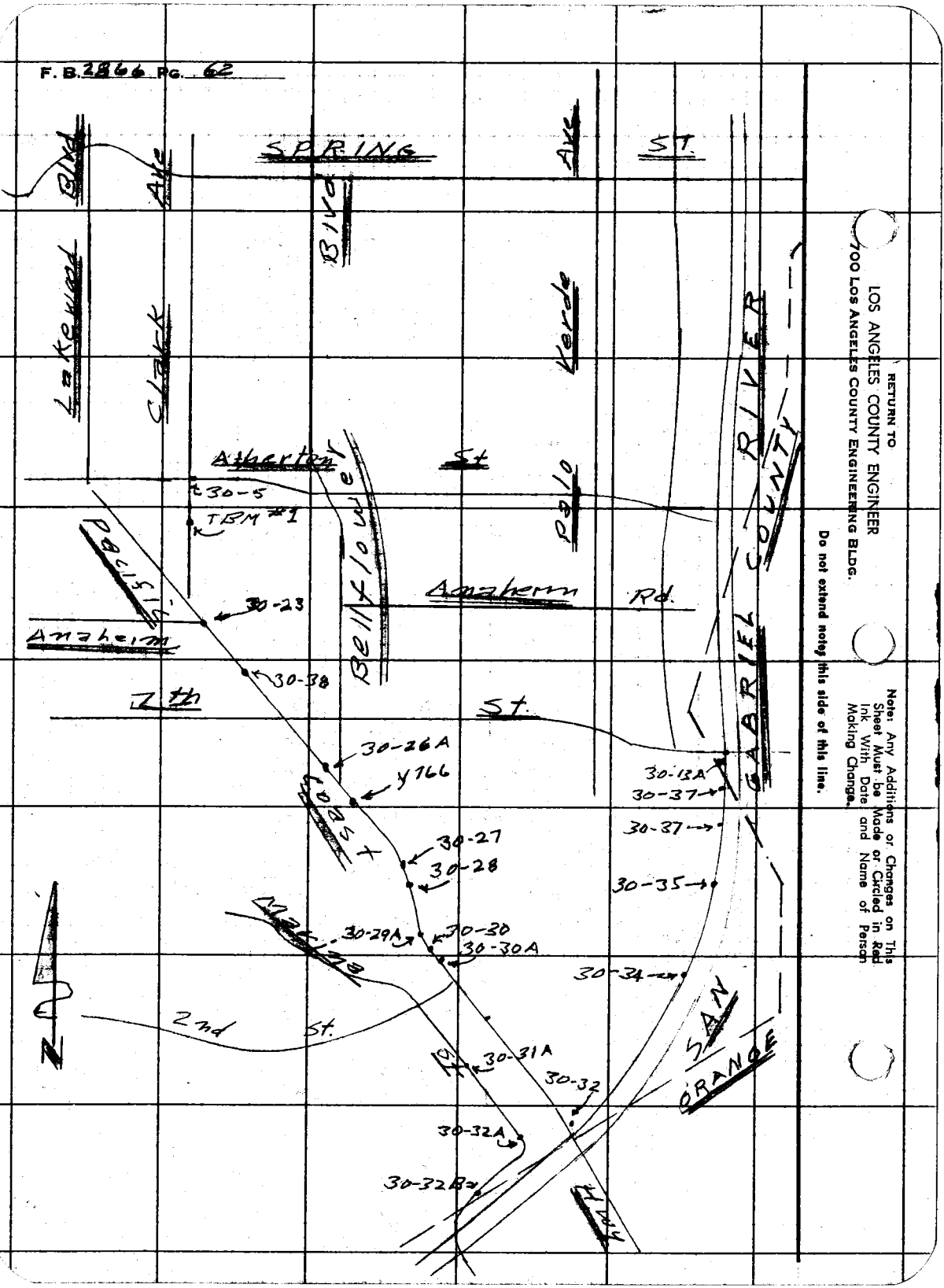
763099 CE #247 7-53

F. B. 2866 PG. 62



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Chief of Party G. E. Cook Weather Hazy Inst. No. 15066
Notes by J. M. Maldonado Time 8:30 to 9:55 Rod No. 19-26

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-4 To TBM 1
Date 10-26-61
Indexed H. E. Orr

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	5.872		.180		#19	4.855		.182		BM 30-4, Clark Ave &
	5.692		.180			4.673		.186		Atherton ST. N.E. Cor.
	5.512		.360			4.487		.368		See F.B. 1396-9
	17.076	5.692		.360	66°	14.015	4.672		.368	
2	5.071		.182			3.980		.187		T. G.E. Cook
	4.889		.186			3.793		.184		Summation of Run
	4.703		.36~~4~~ 8	.72~~4~~ 8		3.609		.37~~8~~	.74~~7~~ 39	From B.M. 30-4
	14.663	4.888				11.382	3.794			To T.B.M. #1
3	4.738		.038			4.128		.042		T.B.M #1
	4.700		.037			4.086		.041		Clark Ave. So. of Atherton St.
	4.663		.075	.803		4.045		.083		So. End of Conc. Bridge
	14.101	4.700		.~~749~~		12.259	4.086		.82~~4~~ 2	See F.B. 1396-10
										Total Backsights = + 15.280
										Total Foresights = − 12.552
										Diff. Elev. = + 2.728
										Backsight stadia = .803
										Foresight Stadia = .82~~4~~ 5
										Total Stadia = 1.62~~8~~ 5
										= .10 mi.
		15.280					12.552			

F.B. 2866 P.G. 63

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Overcast Inst. No. 15066
Notes by Esquer Time 2:50 - 3:00 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 030102
From T.B.M. #1 To BM 30-4
Date 10-26-61
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	4216		044		#19	4827		038		T.B.M #1
	4172		040			4789		038		Clark Ave. So. of Atherton
	4132		084			4751		076		St., So. End of conc. Bridge
	12520	4173		084	62°	14367	4789		076	See F.B. 1396-10
2	4183		181			5281		186		T G. Cook
	4002		184			5095		185		Summation of Run
	3818		365			4910		371		From B.M. #1
	12003	4001		449		15286	5095		447	To B.M. 30-4
3	4810		186			5830		185		BM 30-4
	4624		183			5645		183		Clark Ave and Atherton
	4441		369			5462		368		St.
	13875	4625		818	62°	16937	5646		815	See F.B. 1396-9
										Total Backsights = + 12.799
										Total Foresights = − 15.530
										Diff. Elev. = − 2.731
										Backsight stadia = 818
										Foresight Stadia = 815
										Total Stadia = 1633
										= 0.10 mi.
	12.799					15.530				

F.B. 2266 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. Brock Weather Overcast Inst. No. 15066
Notes by R.R. RODRIGUEZ Time 8:55 TO 9:40 Rod No. 19-20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From TBM #1 To BM 30-25
Date 26 Oct 1961
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	4412		186		#19	4831		186		TBM 1, Clark Ave. So. of
	4226		184			4645		189		Atherton ST.
	4042		370			4456		375		See F.B. 1396-10
	12680	4227		370	66°	13932	4644		375	
2	5452		192			2523		185		T Cook
	5260		191			2338		188		
	5069		383			2150		373		
	15781	5260		753		7011	2337		748	
3	8141		188			1691		185		
	7952		184			1506		185		
	7768		372			1321		370		
	23861	7953		1125		4518	1506		1118	
4	9380		188			2192		184		
	9192		184			2008		188		
	9008		372			1820		372		
	27580	9193		1497		6020	2007		1490	
5	8867		185			1201		182		
	8682		189			1019		184		
	8493		374			0835		366		
	26092	8681		1872		3055	1018		1856	
		35.314					11.512			

F.B. 2866 P.G. 25

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brown Weather OVERCAST Inst. No. 15066
Notes by R. R. RODRIGUEZ Time 8:55 to 9:40 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From TBM #1 To BM 30-23
Date 26 OCT 1961
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	8908	35.314	185	1872	#19	3738	11.512	186	1856	
	8723		184			3552		187		
	8539		369			3365		373		
	26170	8723		2246		10655	3553		2229	
7	7018		183			3100		171		Summation of Run From B.M. T.B.M. #1 To B.M. 30-23
	6835		184			2913		187		
	6651		367			2806		378		
	20504	6835		2607		8983	2994		2607	
8	7058		186			3425		185		Total Backsights = + 70.245
	6872		186			3240		188		Total Foresights = − 30.873
	6686		372			3052		373		Diff. Elev. = +39.372
	20616	6872		2979		9717	3239		2980	
9	6410		130			3818		130		Backsight stadia = 3.467
	6280		130			3688		132		Foresight Stadia = 3.475
	6150		260			3556		262		Total Stadia = 6.938
	18840	6280		3237		11062	3687		3242	= .44 mi.
10	6333		112		68°	6005		115		BM 30-23, Intersection Pacific Coast Hwy and Anaheim St. See F.B. 1396-26
	6221		112			5890		118		
	6109		224			5772		233		
	18663	6221		3467		17675	5889		3475	
	70.245					30.873				

F.B. 1396 P.G. 66

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather overcast Inst. No. 15066
Notes by Esquer Time 2:25 - 2:50 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-23 To TBM #1
Date 10/3/61
Indexed H. E. Ow

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	5705		113		#19	6039		112		BM 30-23
	5592		112			5927		115		Pacific Coast Hwy and
	5480		225			5812		227		Anaheim St.
	16777	5592		225	#64°	17778	5926		227	See F.B. 1396-26
2	4038		130			6629		130		T.R.P. Rodriguez
	3908		130			6499		130		
	3778		260			6369		260		
	11724	3908		485		19497	6499		487	
3	3697		185			7332		185		
	3512		185			7147		185		
	3327		370			6962		370		
	10536	3512		855		21441	7147		857	
4	3503		188			7338		186		
	3315		186			7152		184		
	3129		374			6968		370		
	9947	3316		1229		21458	7153		1227	
5	3959		187			9133		184		
	3772		184			8949		185		
	3588		371			8764		369		
	11319	3773		1600		26846	8949		1596 ~~1606~~	
		20,101					35674			

F.B. 2866 P.G. 57

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Overcast Inst. No. 25066
Notes by Esquer Time 2:25-2:50 Rod No. 19-20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 30-23 To TBM #1
Date 10/31/61
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	1403	20.101	187	1600		9065	35.674	184	~~1396~~ ~~1605~~	
	1216		187			8881		187		
	1029		374	4		8694		371	67	
	3648	1216		1978		26640	8880		1977	
7	2389		186			9580		188		Summation of Run
	2203		186			9392		184		From B.M. 30-23
	2017		372	6		9208		372	3	To TB.M. #1
	6609	2203		2349		28180	9393		2349	
8	1885		186			8329		184		Total Backsights = +32.483
	1699		185			8145		186		Total Foresights = −71.865
	1514		371	17		7959		370	0	Diff. Elev. = −39.382
	5098	1699		2720		24433	8144		2719	
9	2550		187			5478		188		Backsight stadia = 346.6
	2363		188			5290		185		Foresight Stadia = 344.3
	2175		375	2		5105		373	8	Total Stadia = 7.952 6.919
	7088	2363		3095		15873	5291		3092	= 0.44 mi.
10	5088		187			4668		185		TBM #1
	4901		187			4483		186		Clark Ave. S. of
	4714		374	6		4297		371	5	Atherton St.
	14703	4901		3469	62°	13448	4483		3463	See F.B. 1396-10
		32.483					71.865			

F.B. 1396 P.G. 68

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks
Notes by: J.M. Maldonado
Weather: Overcast
Time: 9:40 to 10:05
Inst. No. 15066
Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 030102
From: BM 30-23 To: BM 30-38
Date: 10-26-61
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	5.472		.189		#19	5.945		.185		BM 30-23, Intersection
	5.283		.191			5.760		.189		at Anaheim St & Pacific
	5.092		.380			5.571		.374		Coast Hwy See F.B. 1396-26
	15.847	5.282		3.80	68°	17.276	5.759		.374	
2	4.212		.179			6.608		.186		T G.E. Cook
	4.033		.181			6.422		.187		
	3.852		.360			6.235		.373		
	12.097	4.032		.740		19.265	6.422		.747	
3	2.758		.188			6.448		.188		
	2.571		.186			6.260		.189		
	2.385		.374			6.071		.377		
	7.714	2.571		1.115		18.779	6.259		1.124	
4	2.785		.188			6.542		.189		
	2.597		.189			6.353		.185		
	2.408		.377			6.168		.374		
	7.790	2.597		1.492		19.063	6.354		1.498	
5	2.902		.189			6.822		.192		
	2.713		.185			6.630		.188		
	2.528		.374			6.442		.380		
	8.143	2.714		1.868		19.894	6.631		1.878	
		17.198					31.425			

F.B. 2866 P.G. 69

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks Weather: Overcast Inst. No. 15066
Notes by: J. M. Maldonado Time: 9:40 to 10:05 Rod No. 19-20

L.A. Co. Precise Level Net
Name:
Job No. 0301.02
From: BM 30-23 To: BM 30-38
Date: 10-26-61
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	3.916	17.148	.161	1.868	#14	5.081	31.425	.161	1.878	BM 30-38
	3.755		.160			4.920		.161		Pacific Coast Hwy. & Santiago
	3.595		.321			4.759		.322		Ave.
	11.266	3.755		2.188	66°	14.760	4.920		2.200	See F.B. 1396-182
										Summation of Run From B.M. 30-23 To B.M. 30-38
										Total Backsights = + 20.952 × 6 Total Foresights = − 36.345 Diff. Elev. = − 15.394
										Backsight stadia = 2.188 Foresight Stadia = ~~4.420~~ 2200 Total Stadia = ~~7.107~~ 4385 = ~~1.45 mi.~~ 0.28 mi.
	20.952					36.345				

F.B. 2266 P.G. 70

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

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

Name L. A. Co. Precise Level Net
Job No. 030102
From B.M. 30-38 To BM 30-23
Date 10/31/61
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	5334		164		#19	4169		160		BM 30-38
	5170		162			4009		160		Pacific Coast Hwy. & Santiago
	5008		326			3849		320		Ave.
	15512	5171		1326	64°	12027	4009		320	See F.B. 1396-182
2	6979		189			3059		187		
	6790		186			2872		188		T.R.R. Rodriguez
	6604		375			2684		375		
	20373	6791		701		8615	2872		695	
3	6852		185			3103		188		
	6667		188			2915		190		
	6479		373			2725		378		
	19998	6666		1074		8743	2914		1073	
4	6819		190			3122		184		
	6629		186			2938		188		
	6443		376			2750		372		
	19891	6630		1450		8810	2937		1445	
5	6902		189			4507		179		
	6713		185			4328		179		
	6528		374			4149		358		
	20143	6714		1824		12984	4328		1803	
		31972					17060			

F.B. 2865 P.G. 71

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

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

Name L.A. Co. Precise Level Net
Job No. 03011.02
From BM 30-38 To BM 30-23
Date 10/31/66 G. 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
6	6222 5942 5762	31972	180 180 360	1824	64°	5663 5467 5270	17060	196 197 393	1803	BM 30-23, Intersection at Anaheim St. & Pacific Coast Hwy. See F.B. 1396-26
	17826	5942		2184		16400	5467		2196	
										Summation of Run From B.M. BM 30-38 To B.M. 30-23
										Total Backsights = + 37.914 Total Foresights = − 22.52 ~~7~~ 6 Diff. Elev. = +15.38 ~~7~~ 8
										Backsight stadia = ~~4006~~ 2184 Foresight Stadia = ~~3944~~ 2196 Total Stadia = ~~8007~~ 4380 = 0.51 Mi 0.28
	37914					22527				

F.B. 2966 P.G. 72

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather OVERCAST Inst. No. 15066
Notes by R. R. RODRIGUEZ Time 10:05 To 11:05 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-38 To 30-26A
Date 26 Oct 1961
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	5068		186		#19 66°	3904		187		BM 30-38, Pacific Coast Hwy. 182° N.W. of No. C.R. Santiago Ave.
	4882		187			3717		188		
	4695		373			3529		375		
	14645	4882		373		11150	3717		375	See FB 1396-182
2	6850		187			3749		186		TT E. MARTINEZ
	6663		188			3563		185		
	6475		375			3378		371		
	19988	6663		748		10190	3563		746	
3	6681		188			3639		187		
	6493		187			3452		184		
	6306		375			3268		371		
	19480	6493		1123		10359	3453		1117	
4	6375		186			4048		186		
	6189		186			3862		186		
	6003		372			3676		372		
	18567	6189		1495		11586	3862		1489	
5	4763		183			5139		189		
	4580		181			4950		185		
	4399		364			4765		374		
	13742	4581		1859		14854	4951		1863	
		28808					19548			

F.B. 2866 P.G. 73

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: OVERCAST Inst. No. 15066
Notes by: R. R. RODRIGUEZ Time: 10:55 TO 11:05 Rod No. 19-20

L.A. Co. Precise Level Net
Name:
Job No. 0301.07
From: BM 30-38 To: BM 30-26A
Date: 26 OCT 1961
Indexed: H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	3471 2888		184	1859	#19	5501	19548	185	1863	
	3287		187			5316		186		
6	3100		371			5130		371		
	9858 3286			2230		15947 5316			2234	
	5893		183			1852		186		
	5710		183			1666		186		
7	5527		366			1480		372		
	17130 5710			2596		4998 1666			2606	
	10070		185			1012		184		
	9885		186			0908		186		
8	9699		371			0722		370		
	29654 9885			2967		2722 0907			2976	
	9382		147			1438		148		
	9235		147			1290		148		
9	9088		294			1142		296		
	27705 9235			3261		3870 1290			3272	
	8519		187			1897		187		
	8332		185			1710		183		
10	8147		372			1527		370		
	24998 8333			3633		5134 1711			3642	
			65.25					30.43		

F. 8866 P.G. 74

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather OVERCAST Inst. No. 15066
Notes by R. RODRIGUEZ Time 1055 TO 11:05 Rod No. 19420

L.A. Co. Precise Level Net
Name
Job No. 03 012
From BM 30-38 To BM 30-26A
Date OCT 25, 1961
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	6129	15256	184	3633	H19	4829	30438	187	3642	
	5945		185			4642		187		
11	5760		369			4455		374		
	17834	6945		4002		13926	4842		4016	
	5126		186			5000		185		Summation of Run
	5440		186			4815		187		From B.M. 30-38
12	5254		372			4628		372		To B.M. 30-26A
	16320	5440		4374		14443	4814		4388	
	5095		132			7063		132		BM 30-26A
	4963		131			6931		131		PACIFIC COAST HWY AT
13	4832		263			6800		263		BELLE LOWER BLVD
	14890	4963		4637		20794	6931		4649	SEE F.B. 1396-166
										Total Backsights = + 81,605
										Total Foresights = − 46,823
										Diff. Elev. = + 34,782
										= 4,637
										Foresight Stadia = 4,642
										Total Stadia = 9,282
										= .59 mi.
		81605					46823			

F.B. 2866 P.G. 75

76P526-CE 379—10-57

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear - Sun Inst. No. 15066
Notes by Esquer Time 9:00 - Rod No. 19820

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 30-26A To BM 30-38
Date 11-1-61
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	6889		131		#19	4921		132		BM 30-26 A
	6758		132			4789		130		
	6626		263			4659		262		
	20273	6758		263	64°	14369	4790		262	
2	5146		186			5774		185		T Martinez
	4960		186			5589		187		
	4774		372			5402		372		
	14880	4960		635		16765	5588		634	
3	4887		187			6182		183		
	4700		189			5999		184		
	4511		376			5815		367		
	14098	4699		1011		17996	5999		1001	
4	2580		188			9202		183		
	2392		184			9019		187		
	2208		372			8832		370		
	7180	2393		1383		27053	9018		1371	
5	1428		148			9368		147		
	1280		148			9221		148		
	1132		296			9073		295		
	3840	1280		1679		27662	9221		1666	
		20090					34614			

F. B. 886 P.G. 76

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Clear-Sun Inst. No. 15066
Notes by Esquer Time 9:00 - 9:50 Rod No. 19F20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-26 A To BM 30-38
Date 11-1-61
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
6	1141	20090	181	1679		10128	34618	189	1666	
	0960		180			9939		191		
	0780		361			9748		380		
	2881	0960		2040		29815	9938		2046	
7	1848		188			5887		184		
	1660		185			5703		184		
	1475		373			5519		368		
	4983	1661		2413		17109	5703		2414	
8	5870		188			3842		186		
	5682		191			3656		186		
	5491		379			3470		372		
	17043	5681		2792		10968	3656		2786	
9	4971		184			4599		186		
	4787		186			4413		184		
	4601		370			4229		370		
	14359	4786		3162		13241	4414		3156	
10	4100		187			6429		188		
	3913		184			6241		185		
	3729		371			6056		373		
	11742	3914		3533		18726	6242		3529	
		37098					64567			

F.B. 2866 P.G. 77

76P526-CE 379—10-57

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Chief of Party E. E. Brooks Weather Clear - Sun Inst. No. 15066
Notes by Esquer Time 9:00 - 9:50 Rod No. 19820

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-26A To BM 30-38
Date 11-1-61
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	3610	3709	185	3533		6650	6456	187	3529	
	3425		185			6463		186		
	3240		370			6277		373		
	10275	3425		3903		19390	6463		3902	
12	3689		188			6790		185		Summation of Run From B.M. 30-26A To B.M. 30-38
	3501		185			6605		185		
	3316		373			6420		370		
	10506	3502		4276		19815	6605		4272	
13	3966		188			5126		185		BM 30-38
	3778		188			4941		186		
	3590		376			4755		371		T Martinez
	11334	3778		4652	62°	14822	4941		4643	
F.B. 286 P.G. 78										Total Backsights = + 47.798 Total Foresights = − 82.578 Diff. Elev. = − 34.784
										Backsight stadia = 4.652 Foresight Stadia = 4.643 Total Stadia = 9.295 = 0.58 mi.
		47.798					82.578			

76P526-CE 379—10-57

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Chief of Party F. E. Brooks Weather Overcast Inst. No. 15066
Notes by J.M. Maldonado Time 11:10 to 11:20 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-26A To BM Y 766 Reset
Date 10-26-61
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	3.600		.178		#19	1.983		.186		BM 30-26A, Pacific Coast
	3.422		.178			1.797		.190		Hwy & Bellflower Blvd. Ins.
	3.244		.356			1.607		.376		See F.B. 1396-166
	10.266	3.422		356	74°	5.387	1.796		376	
										BM Y 766 Reset 1955
										Pacific Coast Hwy and
										Bellflower Blvd.
										See F.B. 1396-
										F. E. Martinez
										Summation of Run
										From B.M. 30-26A
										To B.M. Y 766 Reset 1955
										Total Backsights = + 3.422
										Total Foresights = − 1.796
										Diff. Elev. = +1.626
										Backsight stadia = 356
										Foresight Stadia = 376
										Total Stadia = 732
										= .05 mi
		3.422					1.796			

F.B. 2866 P.G. 79

76P526-CE 379—10-57

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Chief of Party F. E. Brooks Weather Overcast Inst. No. 15066
Notes by Esquer Time 1:05 - 1:10 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM Y766 To BM 30-26A
Date 10/3/66
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rad and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	1591 1408 1224 4223	1408	183 184 367	367	68°	3210 3034 2859 9103	3034	176 175 351	351	BM Y766 Reset 1955 Pacific Coast Hwy and Bellflower Blvd. See F.B. 1396-166
										BM 30-26A Pacific Coast Hwy and Bellflower Blvd. See F.B. 1396-166
										Summation of Run K Rodriguez From B.M. Y766 Reset 1955 To B.M. 30-26A
										Total Backsights = + 1.408 Total Foresights = − 3.034 Diff. Elev. = −1.626
										Backsight stadia = .367 Foresight Stadia = .351 Total Stadia = 0.715 = 0.05 mi.

F.B. 2866 P.G. 80

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Overcast Inst. No. 15066
Notes by: J. M. Maldonado Time: 11:15 to 11:40 Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM Y 766 To: BM 30-47
Date: 10-26-61
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	1.744		.095		#19	7.110		.086		BM Y 766 (Reset 1955) Pacific Coast Hwy and Bellflower Blvd. See F.B. 1386 - 166
	1.649		.096			7.024		.087		
	1.553		.191			6.937		.173		
	4.946	1.649		.191	74°	21.071	7.024		.173	
2	2.049		.182			10.170		.181		T. E. Martinez
	1.867		.185			9.989		.180		
	1.682		.367			9.809		.361		
	5.598	1.866		.558		29.968	9.989		.534	
3	0.554		.182			9.491		.181		
	0.372		.182			9.310		.180		
	0.190		.364			9.130		.361		
	1.116	0.372		.922		27.931	9.310		0.895	
4	1.368		.185			10.411		.182		
	1.183		.182			10.229		.183		
	1.001		.367			10.046		.365		
	3.552	1.184		1.289		30.686	10.229		1.260	
5	0.769		.177			10.609		.189		
	0.592		.173			10.420		.188		
	0.419		.350			10.232		.377		
	1.780	0.593		1.639		31.261	10.420		1.637	
		5.664					46.972			

F.B. 2866 P.G. 81

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: R. E. Brooks Weather: Overcast Inst. No. 15066
Notes by: J.M. Time: 11:15 to 11:40 Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM Y 766 To: BM 30-27
Date: 10-26-61
Indexed: R. 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	3.210 3.137 3.061 9408	5664 3136	.073 .076 .149	1.639 1.788	72°	7.759 7.679 7.601 23039	46972 7680	.080 .078 .158	1.637 1.795	BM 30-27 Pacific Coast Hwy 0.2 mi S.E of Bellflower Blvd See F.B. 1396-28
										Summation of Run From B.M. Y 766 Reset 1955 To B.M. 30-27
										Total Backsights = + 8,800 Total Foresights = − 54,652 Diff. Elev. = −45,852
										Backsight stadia = 1,788 Foresight Stadia = 1,795 Total Stadia = 3,583 = .23 mi.
	8,800					54652				

F.B. 2866 P.G. 82

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

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

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-27 To BM Y 766
Date 10/31/61
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	7797		079			3248		076		BM 30-27
	7718		079			3172		075		Pacific Coast Hwy
	7639		158			3097		151		0.2 mi S.E. of Bellflower Blvd
	23154	7718		158	64°	9517	3172		158	See F.B. 1396-28
2	10448		184			0615		180		
	10264		182			0435		180		T R. R. Rodriguez
	10082		366			0255		360		
	30794	10265		524		1305	0435		518	
3	10309		185			1262		183		
	10124		185			1079		181		
	9939		370			0898		364		
	30372	10124		894		3239	1080		882	
4	9762		176			0829		184		
	9586		178			0645		184		
	9408		354			0461		368		
	28756	9585		1248		1935	0645		1250	
5	10305		180			2187		185		
	10125		180			2002		183		
	9945		360			1819		368		
	30375	10125		1608		6008	2003		1618	
		47817					7335			

F.B. 2866 P.G. 23

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

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

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-27 To BM 766
Date 10/31/61
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	7402	47.817	092	1608		2028	7.335	094	1618	BM 766 Reset 1955
	7310		091			1934		091		Pacific Coast Hwy and
	7219		183			1843		185		Bellflower Blvd.
	21931	7310		1791	64°	5805	1935		1803	See F.B. 1396-166
										Summation of Run
										From B.M. 30-27
										To B.M. 766 Reset 1955
										Total Backsights = + 55.127
										Total Foresights = − 9.270
										Diff. Elev. = + 45.857
										Backsight stadia = 1.791
										Foresight Stadia = 1.803
										Total Stadia = 3.594
										= 0.23 mi
	55.127					9.270				

F.B. 2816 P.G. 84

76P526-CE 379—10-57

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Chief of Party F. E. Brooks Weather OVERCAST Inst. No. 15066
Notes by R R RODRIGUEZ Time 11:40 TO 11:55 Rod No. 19 & 20

Name L.A. Co. Precise Level Net
Job No. 020102
From BM 30-27 To BM 30-28
Date OCT 26 1961
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	2198		198		H 19	8700		181		BM 30-27 PACIFIC COAST
	2000		198		72°	8519		184		HWY ABOUT 0.2 MI S.E
	1802		396			8335		365		BELLFLOWER BLVD
	6000	2000		396		25554	8518		365	SEE F.B. 1396-28
2	3001		179			6725		186		T F.E. BROOKS
	2822		177			6539		189		
	2645		356			6350		375		Summation of Run
	8468	2823		752		19614	6538		740	From B.M. 30-27
										To B.M. 30-28
3	3659		183			7049		186		Backsight stadia = 1.213
	3476		181			6863		182		Foresight Stadia = 1.206
	3295		364			6681		368		Total Stadia = 2.419
	10430	3477		1116		20593	6864		1108	d = 0.15 mi
4	5167		049			4474		099		BM 30-28
	5118		048			4425		099		PACIFIC COAST HWY AT
	5070		097			4376		098		COLORADO ST.
	15355	5118		1213		13275	4425		1206	SEE 1396-29
										Total Backsights = + 131.418
										Total Foresights = − 26.345
										Diff. Elev. = −12.927
		13418					26345			

F.B. 2866 P.G. 85

76P526-CE 379—10-57

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Chief of Party F. E. Brooks Weather Overcast Inst. No. 15066
Notes by Esquer Time 10:~~00~~-10:15 Rod No. 19~~20~~

Name L.A. Co. Precise Level Net
Job No. 030.02
From BM 30-28 To BM 30-27
Date 11-1-61
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	4501 4452 4403		049 049 098		#19	5194 5145 5095		049 050 099		BM 30-28 Pacific Hwy. about 0.2 Mi S.E. of Bellflower Blvd. See F.B. 1396-28
	13356	4452		098	62°	15434	5145		099	
2	7109 6927 6742		182 185 367			3722 3542 3359		180 183 363		BM 30-27 Pacific Coast Hwy. 0.2 mi. ± S.E. Bell- flower Blvd. See F.B. 1396-28
	20778	6926		465		10623	3541		462	
3	6639 6455 6271		184 184 368			2922 2741 2559		181 182 363		Summation of Run From B.M. 30-28 To BM 30-27
	19365	6455		833		8222	2741		825	
4	8813 8631 8449		182 182 374			2310 2112 1916		198 196 394		Total Backsights = + 26.464 Total Foresights = − 13.5~~42~~ 39 Diff. Elev. = + 12.92~~4~~ 3
	25893	8631		1207	62°	6338	2113		1219	
										Backsight stadia = 1207 Foresight Stadia = ~~2113~~ 1219 Total Stadia = ~~3320~~ 2426 = ~~0.63~~ mi. 0.45 mi
	26.464					13.5~~42~~ 39				

F.B. 2866 P.G. 86

76P526-CE 379--10-57

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Chief of Party F. E. Brooks Weather Overcast Inst. No. 15066
Notes by J.M. Maldonado Time 1:15 to 1:45 Rod No. 19 + 20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 30-28 To BM 30-29A
Date 10-26-61
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	2.098		.197		#19	6.800		.189		BM 30-28,
	1.901		.194			6.611		.190		Pacific Coast Hwy at
	1.707		.391			6.421		.379		Colorado St.
	5.706	1.902		.391	68°	19.832	6.611		.379	See F.A. 1396-29
2	3.078		.183			6.562		.180		
	2.895		.182			6.382		.181		T. Brooks
	2.713		.365			6.201		.361		
	8.686	2.895		.756		19.145	6.382		.740	
3	4.413		.183			6.297		.185		
	4.230		.183			6.112		.182		
	4.047		.366			5.930		.367		
	12.690	4.230		1.122		18.339	6.113		1.107	
4	4.183		.181			4.852		.182		
	4.002		.181			4.670		.180		
	3.821		.362			4.490		.362		
	12.006	4.002		1.484		14.012	4.671		1.469	
5	4.890		.183			3.747		.189		
	4.707		.185			3.558		.188		
	4.522		.368			3.370		.377		
	14.119	4.706		1.852		10.675	3.558		1.846	
		17.735					27.335			

F.B. 2866 P.G. 87

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Overcast Inst. No. 15066
Notes by J. M. Maldonado Time 1:15 to 1:45 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-28 To BM 30-29A
Date 10-26-61
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	5.882	17735	.190	1.852		4.995	27335	.186	1.846	
	5.692		.188			4.809		.188		
	5.504		.378			4.621		.374		
	17.078	5.693		2.230		14.425	4.808		2.220	
7	5.344		.184			5.173		.181		
	5.160		.181			4.992		.180		
	4.979		.365			4.812		.361		
	15.483	5.161		2.595		14.977	4.992		2.581	
8	5.455		.180			4.513		.185		
	5.275		.180			4.328		.186		
	5.095		.360			4.142		.371		
	15.825	5.275		2.955		12.983	4.328		2.952	
9	8.076		.188			2.271		.181		
	7.888		.185			2.090		.182		
	7.703		.373			1.908		.363		
	23.667	7.889		3.328		6.269	2.090		1.315	
10	6.043		.075			4.065		.077		
	5.968		.077			3.988		.078		
	5.891		.152			3.910		.155		
	17.902	5.967		3.470	68°	11.963	3.988		3.470	

47.720

~~47.721~~
47.540

Summation of Km
From B.M. 30-28
To B.M. 30-29 A
Total Backsights = + 47.720
Total Foresights = − 47.540
Diff. Elev. = + ~~0.179~~
+ 0.181

Backsight stadia = 3.470
Foresight Stadia = 3.370
Total Stadia = ~~7.040~~ 6.940
= .44 mi.

BM 30-29A
Pacific Coast Hwy and Los Cerritos Channel W. side
See F.B. 1396-176

F.B. 2666 PG. 88

199
181
018

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 Esquer Time 10:40-11:10 Rod No. 19-20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 30-29A To BM 30-28
Date 10/3/61
Indexed H. E. OM

Number of Station	BACKSIGHT Thread 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	4013		078		#19	5993		076		BM 30-29A
	3935		076			5917		078		Pacific Coast Hwy and
	3859		154			5839		154		Los Cerritos Channel W. side
	11807	3936		154	64°	17749	5916		154	See F.B. 1396-176
2	2098		186			7896		186		
	1912		183			7710		185		* Martinez
	1729		369			7525		371		
	5739	1913		523		23131	7710		525	
3	4475		187			5417		181		
	4288		186			5236		181		
	4102		373			5055		362		
	12865	4288		896		15708	5236		887	
4	5073		180			5245		183		
	4893		180			5062		183		
	4713		360			4879		366		
	14679	4893		1256		15186	5062		1253	
5	5021		185			5909		190		
	4836		187			5719		189		
	4649		372			5530		379		
	14506	4835		1628		17158	5719		1632	
		19865					29648			

F.B. 2816 PG. 80

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Overcast Inst. No. 15066
Notes by Esquer Time 10:40-11:10 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-29A To BM 30-28
Date 10/31/61
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	4168	19.865	189	1628		5312	2964	183	1632	
	3979		188			5129		184		
	3791		377	5		4945		367		
	11938	3979		2003		15386	5129		1999	Summation of Run
7	5302		181			4632		180		From B.M. 30-29A
	5121		180			4452		181		To B.M. 30-28
	4941		361	6		4271		361		
	15364	5121		2363		13355	4452		2360	Total Backsights = + 48.478
										~~Total Foresights~~ = − 48.657
8	6341		182			4459		184		Diff. Elev. = − 0.180
	6159		184			4275		185		
	5975		366	32		4090		369		
	18475	6158		2729		12824	4275		2729	Backsight stadia = 3.470
										~~Foresight Stadia~~ = 3.483
9	6710		180			3227		182		Total Stadia = 6.952
	6530		180			3045		182		= 0.44 mi.
	6350		360	92		2863		364		
	19590	6530		3089		9135	3045		3093	
10	7012		190			2308		195		BM 30-28
	6822		188			2113		195		Pacific Coast Hwy at
	6634		378	70	*64°	1918		390		Colorado St.
	20468	6823		3467		6339	2113		3483	See F.B. 1596-29
	48.478					48.657				

F.B. 2866 P.G. 90

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Cloudy Inst. No. 15066
Notes by R. R. Rodriguez Time 1:55 to 2:00 Rod No. 19+20

L.A. Co. Precise Level Net
Name
Job No. 030102
From BM 30-29A To BM 30-30
Date Oct 26, 1961
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	6358		186		#19	5039		186		BM 30-29A Pacific Coast
	6172		182			4853		184		Hwy & Los Cerritos Channel
	5990		368	6	66°	4669		370		W. Side See FB 1396-176
	18520	6173		368		14561	4854		370	
2	4530		182			6880		182		T F.E. BROOKS
	4348		183			6698		181		BM 30-30
	4165		365	3		6517		363		Pacific Coast Hwy and Los
	13043	4348		733		20095	6698		733	Cerritos Channel E. Side
3	1909		056			10,092		058		See F.B. 1396-176
	1853		055			10,034		059		
	1798		111	44		9,975		117		
	5560	1853		853	66°	30,101	10,034		850	
		12374					21,585			

Summation of Run
From B.M. 30-29A
To B.M. 30-30

Total Backsights = + 12374
Total Foresights = − 21,585
Diff. Elev. = − 9,211

Backsight stadia = 853 44
Foresight Stadia = 850
Total Stadia = 1.694
= .11 mi.

F.B. 2866 P.G. 91

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Cloudy Inst. No. 15066
Notes by R. C. Carrillo Time 10:20 to 10:35 Rod No. 19+20

Name L.A. Co. Precise Level Net
Job No. 0301.07
From BM 30-30 To BM 30-29A
Date 10-31-61
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	9876 9821 9762		055 058 113	4		1648 1640 1592		058 058 116		BM 30-30 Pacific Coast Hwy and Los Cerritos Channel E side See F.B. 1396-176
	29459	9820		115		4920	1640		116	
2	6960 6779 6598		181 181 362	6		4613 4430 4249		183 181 364		T J MACDONALDO
	20337	6779		475		13292	4431		480	Summation of Run From B.M. 30-30 To B.M. 30-29A
3	5061 4877 4690		184 187 371	7	64°	6377 6192 6010		185 182 367		BM 30-29A Pacific Coast Hwy and Los Cerritos Channel W. side See F.B. 1396-176
	14628	4876		848		19579	6193		847	
										Total Backsights = + 21.475 Total Foresights = − 12.264 Diff. Elev. = + 9.211
										Backsight stadia = .848 Foresight Stadia = .847 Total Stadia = 1.695 = 0.11 mi.
	21.475					12.264				

F.B. 2866 P.G. 72

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Cloudy Inst. No. 15066
Notes by R. R. Rodriguez Time 2:00 to 2:05 Rod No. 19+20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-30 To BM 30-30A
Date Oct 26 1961
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	5809		089			7999		085		BM 30-30, Pacific Coast Hwy. & Los Cerritos Channel E. Side.
	5720		088			7914		084		
	5632		177			7830		169		
	17161	5720		177		23793	7914		169	SEE F.B. 1396-176
										BM 30-30A. Pacific Coast Hwy and Los Cerritos Channel E. side See F.B. 1396-176
										π F.E. BROOKS
										Designation of Run From B.M. 30-30 To B.M. 30-30A
										Total Backsights = + 5720
										Total Foresights = − 7914
										Diff. Elev. = −2,194
										Backsight stadia = 177
										Foresight Stadia = 169
										Total Stadia = 346
		5720					7914			= .02 mi.

F.B. 2866 P.G. 93

76P526-CE 379—10-57

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather OVERCAST Inst. No. 15066
Notes by R. R. RODRIGUEZ Time 10:15 TO 10:17 Rod No. 19420

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-30 A To BM 30-30
Date
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	7860		050		#19	5168		049		BM 30-30 A Pacific Coast Hwy and Los Cerritos Channel E. side See F.B. 1396-176
	7810		048		63°	5619		049		
	7762		098			5570		098		
	23432	7811		098		16857	5619		098	
										BM 30-30 Pacific Coast Hwy and Los Cerritos Channel E. side See F.B. 1396-176
										T J [illegible]
										Summation of Run From B.M. 30-30A To B.M. 30-30
										Total Backsights = + 7811
										Total Foresights = − 5619
										Diff. Elev. = + 2.192
										Backsight stadia = .098
										Foresight Stadia = .098
										Total Stadia = 0.196
										= .01 mi.
	2611					5619				

F.B. 1396 P.G. 22

✓ Dettm

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

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

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-30A To BM 30-31A
Date 10-26-61
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	6.932		.184		#M	5.337		.188		BM 30-30A
	6.748		.186			5.149		.187		Pacific Coast Hwy at Los
	6.562		.370			4.962		.375		Cerritos Channel E. side
	20.242	6.747		.370	66°	15.448	5.149		.375	See F.B. 1396-176
2	4.549		.187			3.890		.186		T Brooks
	4.362		.184			3.704		.184		
	4.178		.371			3.520		.370		
	13.089	4.363		.741		11.114	3.705		.745	
3	4.633		.181			6.128		.185		
	4.452		.181			5.943		.181		
	4.271		.362			5.762		.366		
	13.356	4.452		1.103		17.833	5.944		1.111	
4	4.628		.180			4.592		.184		
	4.448		.181			4.408		.186		
	4.267		.361			4.222		.370		
	13.343	4.448		1.464		13.222	4.407		1.481	
5	5.159		.186			4.561		.182		
	4.973		.183			4.379		.184		
	4.790		.369			4.195		.366		
	14.922	4.974		1.833		13.135	4.378		1.847	
		24.984					23.585			

F.B. 2866 P.G. 85

76P526-CE 379—10-57

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: Overcast Inst. No.: 15066
Notes by: J.M. Maldonado Time: 2:05 to 2:40 Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0701.02
From: BM 30-30A To: BM 30-31A
Date: 10-26-61
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	4.718	24.984	.181	1.833		4.191	23.583	.187	1.847	E. E. Brooks
	4.537		.185			4.004		.185		
	4.352		.366			3.819		.372		
	13.607	4.536		2.199		12.014	4.005		2.219	
7	5.599		.188			4.930		.185		
	5.411		.186			4.745		.185		
	5.225		.374			4.560		.370		
	16.235	5.412		2.573		14.235	4.745		2.589	
8	5.470		.155			3.780		.170		
	5.315		.155			3.610		.170		
	5.160		.310			3.440		.340		
	15.945	5.315		2.883		10.830	3.610		2.929	
9	5.872		.184			4.958		.186		
	5.688		.185			4.772		.183		
	5.503		.369			4.589		.369		
	17.063	5.688		3.252		14.319	4.773		3.298	
10	3.952		.182			5.371		.169		
	3.770		.185			5.202		.172		
	3.585		.367			5.030		.341		
	11.307	3.769		3.618	66°	15.603	5.201		3.639	
		49.704					45.918			

Summation of Run
From B.M. 30-30A
To B.M. 30-31A

Total Backsights = + 49.704
Total Foresights = − 45.918
Diff. Elev. = + 3.786

Backsight stadia = 3.618
Foresight Stadia = 3.639
Total Stadia = 7.257
= .46 mi.

BM 30-31A
Marina St. 135 ft. E. of Lind St.
See F.B. 1346-178

F.B. 1346 PG. 96

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather OVERCAST Inst. No. 15066
Notes by R. R. RODRIGUEZ Time 9:45 TO 10:10 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-31A To BM 30-30A
Date 10-31-61
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	5448		180		#19	4019		177		BM 30-31A
	5268		180			3842		174		Marina St. 235 ft E.
	5088		360		64°	3668		351		of 2nd St.
	15804	5268		360		11529	3843		351	See F.B. 1396-178
2	4828		186			5738		186		T JOE MALDONADO
	4642		183			5552		183		
	4459		369			5369		369		
	13929	4643		729		16659	5553		720	
3	3466		176			5168		169		
	3290		177			4999		169		
	3113		353			4830		338		
	9869	3289		1082		14997	4999		1058	
4	4971		188			5632		183		
	4783		184			5449		186		
	4599		372			5263		369		
	14353	4784		454		16344	5448		1427	
5	4899		178			5444		193		
	4721		174			5251		192		
	4547		352			5059		385		
	14167	4722		1806		15754	5251		1812	
		22708					25094			

F.B. 2866 P.G. 97

76P526-CE 379—10-57

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks Weather: overcast Inst. No.: 15066
Notes by: R. R. Rodriguez Time: 9:25 to 10:10 Rod No.: 19-2D

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 30-31A To: BM 30-30A
Date:
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	4849	22.706	186	1.806		5443	25.094	183	1.812	
	4663		183			5260		183		
	4480		369			5077		366		Summation of Run
	13992	4664		2175		15780	5260		2178	From B.M. 30-31A
										To B.M. 30-30A
7	4848		186			4882		181		
	4662		183			4701		181		Total Backsights = + 46.678
	4479		369			4520		362		Total Foresights = − 50.464
	13989	4663		2174		14103	4701		2540	Diff. Elev. = − 3.786
8	6056		184			4561		180		
	5872		183			4381		181		Backsight stadia = 3.656
	5689		367			4200		361		Foresight Stadia = 3.649
	17617	5872		2911		13142	4381		2901	Total Stadia = 7.305
										= 0.46 mi.
9	3725		186			4384		186		
	3539		188			4198		188		
	3351		374			4010		374		
	10615	3538		3285		12592	4197		3275	
10	5419		187			7018		188		BM 30-30A
	5232		184		66°	6830		186		Pacific Coast Hwy at Los
	5048		371			6644		374		Cerritos Channel
	15699	5233		3656		20492	6831		3649	See F.B. 1396-176
		46.678					50.464			

F.B. 2466 pg. 98

76P526-CE 379—10-57

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks Weather: CLOUDY Inst. No.: 15066
Notes by: R. R. RODRIGUEZ Time: 2:35 TO 3:25 Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 30-31A To: BM 30-32A
Date: Oct 26 1961
Indexed: H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	5585		185		#19	4972		184		BM 30-31 A
	5400		182		66'	4788		186		Marina St. 235 ft. E. of
	5218		367			4602		370		2nd St.
	16203	5401		367		14362	4787		370	See F.B. 1396-187
2	4395		187			4425		186		A Cook
	4208		187			4239		188		
	4021		374			4051		374		
	12624	4208		741		12715	4238		744	
3	4849		187			5163		186		
	4662		184			4977		188		
	4478		371			4789		374		
	13989	4663		1112		14929	4976		1118	
4	5508		186			4585		183		
	5322		183			4402		182		
	5139		369			4220		365		
	15969	5323		1481		13207	4402		1483	
5	4640		190			4589		187		
	4650		189			4402		184		
	4461		379			4218		371		
	13951	4650		1860		13209	4403		1859	
		24.245					22.804			

F.B. 1286 P.G. 88

76P526-CE 379—10-57

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Cloudy Inst. No. 15066
Notes by R. R. Rodriguez Time 2:35 to 3:25 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-31A To BM 30-32A
Date Oct 27, 1961
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	4544	24.245	186	1860		4947	22.806	187	1854	
	4358		186			4760		189		
	4172		372			4571		376		Summation of Run From B.M. 30-31A To B.M. 30-32A
	13074	4358		2232		14278	4759		2230	
7	4512		194			4915		192		
	4368		198			4723		190		Total Backsights = + 47.706
	4170		392			4533		382		Total Foresights = − 45.406
	13100	4367		2624		14171	4724		2612	Diff. Elev. = + 2.300
8	4423		188			5028		190		
	4235		187			4898		190		Backsight stadia = 3.510
	4048		375			4708		390		Foresight Stadia = 3.479
	12706	4235		2999		14614	4848		2992	Total Stadia = 6.989
9	5521		190			4408		153		= .44 mi.
	5331		188			4255		152		
	5143		378			4103		305		
	15995	5332		3377		12766	4255		3217	
10	5235		066			4053		091		BM 30-32A Long Beach Marina at flag pole See F.B. 1396-179
	5169		067			3962		091		
	5102		133			3871		182		
	15506	5169		3510		11886	3962		3479	
	47.706					45.406				

F.B. 2866 P.G. 100

76P526-CE 379—10-57

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LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks Weather: Overcast Inst. No. 15066
Notes by: J. M. Maldonado Time: 8:45 to 9:25 Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0J01.02
From: BM 30-32A To: BM 30-31A
Date: 10-31-61
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	4.092		.084		#19	5.292		.074		BM 30-32 A
	4.008		.085			5.218		.074		Long Beach Marina at
	3.923		.169			5.144		.148		flag pole
	12.023	4.008		.169	62°	15.654	5.218		.148	See F.B. 1396-179
2	4.422		.146			5.542		.193		T R. R. Rodriguez
	4.276		.147			5.349		.194		
	4.129		.293			5.155		.387		
	12.827	4.276		.462		16.046	5.349		.535	
3	5.208		.203			4.520		.175		
	5.005		.204			4.345		.175		
	4.801		.407			4.170		.350		
	15.014	5.005		.869		13.035	4.345		.885	
4	5.079		.194			4.721		.191		
	4.885		.193			4.530		.189		
	4.692		.387			4.341		.380		
	14.656	4.885		1.256		13.592	4.531		1.265	
5	5.081		.189			4.679		.187		
	4.892		.189			4.492		.184		
	4.703		.378			4.308		.371		
	14.676	4.892		1.634		13.479	4.493		1.636	
		23.068					23.936			

F.B. 28/66 P.G. 101

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Overcast Inst. No. 15066
Notes by J. Maldonado Time 8:45 to 9:25 Rod No. 19-20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 30-32A To BM 30-31A
Date 10-31-61
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	4.718	23.06	.188	1.634		4.963	23.93	.188	1.636	
	4.530		.188			4.775		.190		
	4.342		.376			4.585		.378		Summation of Run
	13.590	4.530		2.010		14.323	4.774		2.014	From B.M. 30-32A
										To B.M. 30-31A
7	4.701		.182			5.623		.183		
	4.519		.184			5.440		.182		Total Backsights = + 46.504
	4.335		.366			5.258		.365		Total Foresights = − 48.808
	13.555	4.518		2.376		16.321	5.440		2.379	Diff. Elev. = − 2.304
8	5.252		.185			4.936		.187		
	5.067		.187			4.749		.187		Backsight stadia = 3.496
	4.880		.372			4.562		.374		Foresight Stadia = 3.493
	15.199	5.066		2.748		14.247	4.749		2.753	Total Stadia = 6.989
9	4.567		.187			4.539		.188		= 0.43 mi.
	4.380		.189			4.351		.187		
	4.191		.376			4.164		.375		
	13.138	4.379		3.124		13.054	4.351		3.128	
10	5.131		.186			5.740		.182		BM 30-31A
	4.945		.186			5.558		.183		Marina St. 235 ft.
	4.759		.372			5.375		.365		E. of 2nd St.
	14.835	4.945		3.496		16.673	5.558		3.493	See F.B. 1396-178
	46.504					48.808				

F.B. 1396 P.G. 102

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny Inst. No. 15066
Notes by J. M. Maldonado Time 8:50 to 9:15 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-32A To BM 30-32B
Date 10-27-61
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	4.191		.189		#19	5.151		.189		BM 30-32A
	4.002		.190			4.962		.189		Long Beach Marina at
	3.812		.379			4.773		.378		flag pole.
	12.005	4.00 2		.379	64°	14.886	4.962		.378	See F.B. 1396-179
2	4.778		.187			5.478		.187		T G.E. Cook
	4.591		.189			5.291		.184		
	4.402		.376			5.107		.371		
	13.771	4.590		.755		15.876	5.292		.749	
3	5.162		.184			5.027		.186		
	4.978		.187			4.841		.186		
	4.791		.371			4.655		.372		
	14.931	4.977		1.126		14.523	4.841		1.121	
4	4.538		.187			5.102		.189		
	4.349		.188			4.913		.185		
	4.161		.375			4.728		.374		
	13.048	4.349		1.503		14.743	4.914		1.495	
5	5.270		.187			4.532		.183		
	5.183		.183			4.349		.187		
	5.000		.370			4.162		.370		
	15.553	5.18 4		1.873		13.043	4.348		1.865	
		23.108 3					24.357			

F.B. 2166 P.G. 103

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny Inst. No. 15066
Notes by J. M. Maldonado Time 8:50 to 9:15 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-32A To BM 30-32B
Date 10-27-61
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	4.840	23.107	.189	1.861		5.399	24.357	.185	1.865	
	4.651		.185			5.214		.184		
	4.466		.374			5.030		.369		
	13.957	4.652		2.235		15.643	5.214		2.234	
7	4.307		.081			8.218		.080		BM 30-32B
	4.226		.081			8.138		.080		200' So.± W. of ℄ Marina St, at
	4.145		.162			8.058		.160		So. side of Mole in ctr. of L.B.
	12.678	4.226		2.397		24.414	8.138		2.394	Marina See F.B. 1396-180
										Summation of Run From B.M. 30-32A To B.M. 30-32B
										Total Backsights = +31.980 Total Foresights = −37.709 Diff. Elev. = −5.729
										Backsight stadia = 2.409 Foresight Stadia = 2.394 Total Stadia = 4.803 = 0.30 mi.
		31.980					37.709			

F.B. 2866 PG. 104

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: E. E. Brooks
Weather: Pt cloudy
Inst. No. 15066
Notes by: G.E. COOK
Time: 2:50 to 3:15
Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM 30-32B To: BM 30-32A
Date: 10-30-61
Indexed: H.E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	8155		079		19	4243		081		BM 30-32B
	8076		078			4162		081		Long Beach Marina S.
	7998					4081				Side of Mole.
	24229	8.076	157	157	75°	12486	4.162	162	162	See F.B. 1396-180
2	5437		185			4882		188		
	5252		184			4694		187		T. Le Gault
	5068					4507				
	15757	5.252	369	526		14083	4.694	375	537	
3	4647		186			5480		184		
	4461		184			5296		185		
	4277					5111				
	13385	4.462	370	896		15887	5.296	369	906	
4	5167		187			4605		188		
	4980		183			4417		190		
	4797					4227				
	14944	4.981	370	1266		13249	4.416	378	1284	
5	5037		186			5171		187		
	4851		184			4984		186		
	4667					4798				
	14555	4.852	370	1636		14953	4.984	373	1657	
		27.623					23.552			

F.B. 2466 P.G. 105

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Pt Cloudy Inst. No. 15066
Notes by G.E. Cook Time 2:50 To 3:15 Rod No. 19-20

Name LA. Co. Precise Level Net
Job No. 0301.02
From BM30-32B To BM30-32A
Date 10-31-61
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	5592	27.623	191	1.632	19	4891	23.552	186	1.657	
	5401		188			4705		184		
	5213					4521				
	16.206	5.402	379	2.015	75°	14.117	4.706	370	2.027	
7	5101		189			4140		189		BM 30-32A. Long Beach Marina at flag pole. See F.B. 1396-179
	4912		188			3951		191		
	4724					3760				
	14.737	4.912	377	2.392		11.851	3.950	380	2.407	
										T Le Gault
										Summation of Run From B.M. 30-32B To B.M. 30-32A
										Total Backsights = + 37.937 Total Foresights = − 32.208 Diff. Elev. = + 5.729
					19					Backsight stadia = 2.392 Foresight Stadia = 2.407 Total Stadia = 4.799 = 0.130 mi.
					75°					
	37.937					32.208				

F.B. 2866 PG. 106

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather clear Inst. No. 15046
Notes by F. E. Brooks Time 9:20 - 9:45 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 030102
From BM 30-32B To BM 30-32
Date 27 Oct 1961
Indexed H. E. Ott

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	8.180		.080		#19	4.265		.080		BM 30-32 B, Long Beach Marina
	8.100		.081			4.185		.080		S. Side of Mole.
	8.019		.161			4.105		.160		See FB 1396-180
	24.299	8.100		.161	64°	12.555	4.185		.160	
2	5.546		.185			4.991		.186		T Cook
	5.361		.182			4.805		.185		
	5.179		.367			4.620		.371		
	16.086	5.362		.528		14.416	4.805		.531	
3	4.579		.187			5.411		.186		
	4.392		.184			5.225		.185		
	4.208		.371			5.040		.371		
	13.179	4.393		.899		15.676	5.225		.902	
4	5.048		.185			4.485		.186		
	4.863		.184			4.299		.190		
	4.679		.369			4.109		.376		
	14.590	4.863		1.268		12.893	4.298		1.278	
5	4.934		.184			5.068		.187		
	4.750		.187			4.881		.185		
	4.563		.371			4.696		.372		
	14.247	4.749		1.639		14.645	4.882		1.650	
		27.467					23.395			

F.B. 2866 P.G. 107

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks
Notes by: F. E. Brooks
Weather: Clear
Time: 9:20 - 9:45
Inst. No.: 15066
Rod No.: 19-20

L.A. Co. Precise Level Net
Name:
Job No.: 0301.02
From: BM 30-32B To: BM 30-32
Date: 27 Oct 1961
Indexed: H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
6	5.488	27.467	.186	1.639		4.642	23.395	.190	1.650	
	5.302		.183			4.452		.190		
	5.119		.369			4.262		.380		
	15.909	5.303		2.008		13.356	4.452		2.030	
7	4.858		.193			4.038		.186		Summation of Run
	4.665		.194			3.852		.184		From B.M. 30-32B
	4.471		.387			3.668		.370		To B.M. 30-32
	13.994	4.665		2.395		11.558	3.853		2.400	
8	3.118		.179			5.060		.189		Total Backsights = + 53.199
	2.939		.181			4.871		.189		Total Foresights = − 44.786
	2.758		.360			4.682		.378		Diff. Elev. = + 8.413
	8.815	2.938		2.755		14.613	4.871		2.778	
9	4.951		.045			4.735		.045		Backsight stadia = 3.145
	4.906		.046			4.690		.045		Foresight Stadia = 3.155
	4.860		.091			4.645		.090		Total Stadia = 6.300
	14.717	4.906		2.846		14.070	4.690		2.868	= .40 mi
10	8.069		.148		#19	3.669		.144		BM 30-32
	7.921		.151			3.525		.143		Pacific Coast Hwy at
	7.770		.299			3.382		.287		San Gabriel River W. side
	23.760	7.920		3.145	W'	10.576	3.525		3.155	See F.B. 1396-33
	53.199					44.786				

F.B. 2866 PG. 108

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Pt Cloudy Inst. No. 15064
Notes by G.E. Cook Time 2:15 To 2:50 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-32 To BM 30-32B
Date 10-30-61
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	3529		147			7929		150		BM 30-32
	3382		149			7779		151		Pacific Coast Hwy at
	3233					7628				San Gabriel River W side
	10144	3.381	296	296		23336	7.779	301	301	See F.B. 1396-33
2	4877		.046			5089		.043		
	4831		.046			5046		.043		
	4785					5003				
	14493	4.831	.092	388		15138	5.046	086	387	A Martinez
3	5137		188			3198		183		
	4949		188			3015		183		
	4761					2832				
	14847	4.949	376	764		9045	3.015	366	753	
4	4175		188			5139		190		
	3987		190			4949		188		
	3797					4761				
	11959	3.986	378	1142		14849	4.950	378	1131	
5	4852		190			5548		187		
	4662		187			5361		183		
	4475					5178				
	13989	4.663	377	1519		16087	5.362	370	1501	
		21.810					26.152			

F.B. 2866 P.G. 109

76P526-CE 379—10-57

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Chief of Party F. E. Brooks Weather Pt Cloudy Inst. No. 15066
Notes by G E Cook Time 2 15 To 2 56 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 6301.02
From BM 30-32 To BM 30-32B
Date 10-30-61
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	5130	21810	186	1519		4998	26152	186	1501	
	4944		184			4812		185		
	4760			1889		4627			1872	
	14834	4945	370	~~370~~		14437	4812	371	~~377~~	
7	4598		189			5161		186		Summation of Run
	4409		186			4975		186		From B.M. 30-32
	4223			2264		4789			2244	To B.M. 30-32 B
	13230	4410	375	~~745~~		14925	4975	372	~~743~~	↑ Martinez
8	5385		185			4551		184		Total Backsights = + 45.301
	5200		185			4367		185		Total Foresights = − 53.712
	5015			2634		4182			2613	Diff. Elev. = − 8.411
	15600	5200	370	~~1115~~		13100	4367	369	~~1110~~	
9	4783		185			5339		185		~~Backsight stadia = 1657~~ 3170
	4598		188			5154		184		Foresight Stadia = ~~1641~~ 3142
	4410			3007		4970			2982	Total Stadia = ~~3298~~ 6312
	13791	4597	373	~~1488~~		15463	5154	369	~~1481~~	= ~~0.20 mi.~~ 0.40
F.B. 2266 P.G. 110	4421		.082			8332		.080		BM 30-32 B.
	4339		.081			8252		.080		Long Beach Marine St.
	4258			3170		8172			3142	east of Mole
	13018	4339	163	1651		24756	8252	160	~~1641~~	See F.B. 1396-180
	45.301					53.712				

C 78

76P526-CE 379--10-57

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party E. E. Brooks Weather Sunny Inst. No. 15066
Notes by J. M. Maldonado Time 10:45 to 11:15 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0302.01
From BM 30-32 To BM 30-34
Date 10-27-61
Indexed L.A. Co. Precise Level Net

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
1	4.235 4.046 3.858 12.139	4.046	.188 .188 .374 .374		#19 66°	4.982 4.794 4.608 14.384	4.795	.188 .186 .374	.374	BM 30-32 Pacific Coast Hwy at the San Gabriel River See F.B. 1396-33
2	5.102 4.913 4.727 14.742	4.914	.189 .186 .375 .749			4.638 4.449 4.262 13.349	4.450	.188 .187 .375 .750		* E. Martinez Summation of Run From B.M. 30-32 To BM 30-34
3	4.670 4.483 4.297 13.450	4.483	.187 .186 .373 1.122			4.452 5.[illegible] 5.082 15.803	5.268	.183 .187 .370 1.119		Total Backsights = + 17.708 Total Foresights = − 29.463 Diff. Elev. = − 11.756
4	1.268 1.190 1.114 3.572	1.191	.078 .076 .154 1.278			8.795 8.718 8.642 26.155	8.718	.077 .076 .153 1.278		Backsight stadia = 1.647 Foresight Stadia = 1.631 Total Stadia = 3.278 = 0.21 mi
5	3.251 3.067 2.887 9.205	3.068	.184 .180 .364 1.648		68°	6.415 6.231 6.051 18.697	6.232	.184 .180 .364 1.638		BM 30-34 W. side of San Gabriel River 160 ft. N.E. of Conoco (Bixby #11) See F.B. 1396-34
		17.708					29.463			

F.B. 2266 P.G. 111

76P526-CE 379—10-57

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Chief of Party: D. E. Brooks
Notes by: G.E. Cook
Weather: Clear
Time: 1:10 to 2:10
Inst. No.: 15066
Rod No.: 17-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 30-34 To: BM 30-32
Date: 10-30-61
Indexed: G.E. Cook

Number of Station	BACKSIGHT Thread 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	6643		137			4524		140		B.M. 30-34
	6506		137			4384		141		W. Side of San Gabriel River
	6369					4243				169 ft. N.E. of Conoco (Bixby #11)
	19518	6506	274	274		13151	4384	281	281	See F.B. 1396-34
2	9336		140			0671		104		T. Martinez
	9196		139			0567		106		
	9057					0461				Summation of Run
	27589	9.196	279	553		1699	0.566	210	491	From B.M. 30-34
3	5793		168			5108		205		To B.M. 30-32
	5625		168			4903		202		
	5457					4701				Total Backsights = + 29.018
	16875	5.625	336	889		14712	4.904	407	898	Total Foresights = − 17.258
										Diff. Elev. = + 11.75
4	4751		185			5214		186		Backsight stadia = 1688
	4566		188			5028		187		Foresight Stadia = 1726
	4378					4841				Total Stadia = 3,414
	13695	4.565	373	1262		15083	5.028	373	1271	= .22 mi.
5	3333		212			2604		228		BM 30-32
	3121		214			2376		227		Pacific Coast Hwy at San
	2907					2149				Gabriel River W. side.
	9361	3.120	426	1.688		7129	2.376	455	1.726	See F.B. 1396-33
		29.018					17.258			

F.B. 1066 PG. 112

T 2/m

✓ W.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks Weather: Clear Inst. No. 150CC
Notes by: F.E. BROOKS Time: 11:25 - 11:35 Rod No. 19-20

Name: L.A. Co. Precise Level Nef
Job No. 0301.02
From BM 30-34 To BM 30-35
Date 27 Oct 1961
Indexed H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	6.419		.188		#19	3.899		.190		BM 30-34
	6.231		.187			3.709		.187		W. side of San Gabriel River
	6.044		.375			3.522		.377		167 ft N.E. of Conoco (Bixby #11)
	18.694	6.231		.375	68°	11.130	3.710		.377	See F.B. 1396-34
2	4.508		.189			5.595		.186		
	4.319		.188			5.409		.188		T Martinez
	4.131		.377			5.221		.374		
	12.958	4.319		.752		16.225	5.408		.751	Summation of Run
3	6.892		.187			4.250		.183		From B.M. 30-34
	6.705		.187			4.067		.186		To B.M. 30-35
	6.518		.374			3.881		.369		
	20.115	6.705		1.126		12.198	4.066		1.120	Total Backsights = + 25.658
4	2.966		.185			3.721		.186		Total Foresights = − 25.629
	2.781		.187			3.535		.187		Diff. Elev. = + 0.029
	2.594		.372			3.348		.373		Backsight stadia = 1.743
	8.341	2.780		1.498		10.604	3.535		1.493	Foresight Stadia = 1.736
5	5.745		.124			9.031		.121		Total Stadia = 3.479
	5.621		.121			8.910		.122		= .22 mi.
	5.500		.245			8.788		.243		BM 30-35
	16.866	5.622		1.743	68°	26.729	8.910		1.736	W. side of San Gabriel River. 310 ft N.E. of Wood bri
		25.658					25.629			See F.B. 1396-35

F.B. 2866 P.G. 113

76P526-CE 379—10-57

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Chief of Party F. E. Brooks Weather SUNNY & WINDY Inst. No. 15066
Notes by R. R. RODRIGUEZ Time 11:10 TO 11:55 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-35 To BM 30-34
Date 10-30-61
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	8844		122		#19	5560		124		BM 30-35
	8722		120			5436		125		W. side of San Gabriel River
	8602		242		76°	5311		249		310 ft NE. of wood bridge
	26168	8723		242		16307	5436		249	See F.B. 1396-35
2	3831		191			3071		184		TLE GAULT
	3640		189			2887		187		
	3451		380			2700		371		
	10922	3641		622		8658	2886		620	Summation of Run
3	4222		181			6537		186		From B.M. 30-35
	4041		179			6351		188		To B.M. 30-34
	3862		360			6163		374		Total Backsights = + 25,448
	12125	4042		982		19051	6350		994	Total Foresights = − 25,481
4	5242		194			4714		188		Diff. Elev. = − 0.1334
	5048		190			4526		188		Backsight stadia = 1,743
	4958		384			4338		376		Foresight Stadia = 1,745
	15148	5049		1366		13578	4526		1370	Total Stadia = 3,488
										= 0.22 mi.
5	4182		190			6471		188		BM 30-34
	3992		187			6283		187		W. side of San Gabriel
	3805		377		77°	6096		375		River. 167 ft. N.E. of Conoco
	11979	3993		1743		18850	6283		1745	(Bixby #11) See F.B. 1396-34
	25448					25481				

F.B. 2866 P.G. 114

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Chief of Party F. E. Brooks Weather Sunny Inst. No. 15066
Notes by J.M. Maldonado Time 11:35 to 11:40 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 030102
From BM 30-35 To BM 30-36
Date 10-27-61
Indexed E. 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	7.485		.184		#19	5.311		.186		BM 30-35
	7.301		.185			5.125		.186		W Side of San Gabriel River
	7.116		1.369			4.939		.372		310 ft. N. of Wood bridge.
	21.902	7.301		.369	68	15.375	5.125		.372	See F.B. 1396-35
2	6.932		.187			5.199		.191		J Martinez
	6.745		.186			5.008		.188		
	6.559		.373			4.820		.379		
	20.236	6.745		.742		15.027	5.009		.751	
3	5.044		.188			4.570		.189		
	4.856		.187			4.381		.186		
	4.669		.375			4.195		.375		
	14.569	4.856		1.117		13.146	4.382		1.126	
4	5.809		.191			6.426		.185		
	5.618		.189			6.241		.186		
	5.429		.380			6.055		.371		
	16.856	5.619		1.497		18.722	6.241		1.497	
5	3.920		.189			5.396		.187		
	3.731		.190			5.209		.185		
	3.541		.379			5.024		.372		
	14.192	3.731		1.876		15.629	5.210		1.869	
		28.252					25.968			

F.B. 2866 P.G. 115

76P526-CE 379—10-57

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Chief of Party F. E. Brooks Weather Sunny Inst. No. 15066
Notes by J. M. Maldonado Time 11:35 to 1:40 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0701.02
From BM 30-35 To BM 30-36
Date 10-27-61
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	4.688	28.252	.063	1.876		3.920	25.968	.065	1.869	1 hr. for Lunch
	4.625		.063			3.855		.065		
	4.562		.126			3.790		.130		
	13.875	4.625		2.002		11.565	3.855		1.999	
7	4.471		.186			4.959		.184		Summation of Run
	4.285		.185			4.775		.183		From B.M. 30-35
	4.100		.371			4.592		.367		To B.M. 30-36
	12.856	4.285		2.373		14.326	4.775		2.366	
8	4.830		.127			4.591		.125		Total Backsights = + 52.196
	4.703		.130			4.466		.127		Total Foresights = − 50.488
	4.573		.257			4.339		.252		Diff. Elev. = + 1.708
	14.106	4.702		2.630		13.396	4.465		2.618	
F.B. 1396 P.G. 116 9	5.608		.185			5.520		.192		Backsight stadia = 3.190
	5.423		.182			5.328		.190		Foresight Stadia = 3.193
	5.241		.367			5.138		.382		Total Stadia = 6.383
	16.272	5.424		2.997		15.986	5.329		3.000	= 0.40 mi.
10	5.004		.096			6.193		.096		BM 30-36
	4.908		.097			6.097		.097		W. Side of San Gabriel River
	4.811		.193			6.000		.193		4000 ft. So. of Anaheim Rd.
	14.723	4.908		3.190	70°	18.290	6.097		3.193	See F.B. 1396-36
	52.196					50.488				

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Chief of Party F. E. Brooks Weather SUNNY & WINDY Inst. No. 15066
Notes by R. R. RODRIGUEZ Time 10:15 TO 11:05 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-36 To BM 30-35
Date 10-30-61
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	6231		100		#19	5037		095		BM. 30-36
	6131		100		74°	4942		095		W. Side of San Gabriel River
	6031		200			4847		195		4000 ft. So. of Anaheim Rd.
	18393	6131		200		14826	4943		195	See F.B. 1396-36
2	5405		189			5498		187		TLE GAULT
	5216		191			5311		185		
	5025		379 80	80 572		5126		372		
	15646	5215				15935	5312		567	
3	4685		126			4923		129		
	4559		129			4794		127		
	4430		255	5		4667		256		
	13674	4558		834		14384	4795		823	
4	5109		179			4631		190		
	4930		179			4441		190		
	4751		358	3		4251		380		
	14790	4930		1197		13323	4441		1203	
5	3847		064			4614		064		
	3783		066			4550		063		
	3717		130	3		4487		127		
	11347	3782		1323		13651	4550		1330	
		24618					24044°			

F.B. 2866 P.G. 117

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Chief of Party F. E. Brooks Weather Sunny & windy Inst. No. 105566
Notes by R. Rodriguez Time 10:15 To 11:05 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-36 To BM 30-35
Date 10-30-61
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	5527	24.61	186	1323	#19	4049	24.04	189	1330	
	5341		188			3860		189		
	5153		374			3671		378		
	16021	5340		1698		11580	3860		1708	
7	6434		189			5847		187		Summation of Run
	6245		186			5660		189		From B.M. 30-36
	6059		375			5471		376		To B.M. 30-35
	18738	6246		2074		16978	5660		2084	
8	4607		186			5047		187		Total Backsights = +52.08
	4421		189			4860		189		Total Foresights = −53.79
	4232		375			4671		376		Diff. Elev. = −1.71
	13260	4420		2447		14578	4859		2460	
9	5093		189			6832		190		Backsight stadia = 3.218
	4904		187			6642		190		Foresight Stadia = 3.208
	4717		376			6452		380		Total Stadia = 6.421
	14714	4905		2823		19926	6643		2840	d = .41 mi
10	6750		197			8913		182		B.M. 30-35
	6553		194			8731		186		W. Side San Gabriel River
	6359		391			8545		368		310 ft. N. of Wood bridge
	19662	6554		3214	74°	26189	8730		3208	See F.B. 1396-35
	52.08					53.79				
	+2/3					.0				

F.B. 2866 P.G. 118

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Chief of Party: F. E. Brooks — Weather: Clear — Inst. No. 15066
Notes by: F. E. Brooks — Time: 1:45 – 2:45 — Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM 30-36 To: BM 30-37
Date: 27 Oct 1961
Indexed: H. E. OTT

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
1	6.690		.192		#19	5.528		.186		BM 30-36
	6.498		.191			5.342		.188		W. side of San Gabriel River
	6.307		.387			5.154		.374		60.5 ft. S. of P.P. 1052827E
	19.495	6.498		.383	68°	16.024	5.341		.374	See F.B. 1396-36
2	4.743		.189			5.880		.188		
	4.554		.186			5.692		.187		T Rodriguez
	4.368		.375			5.505		.375		
	13.665	4.555		.758		17.077	5.692		.749	
3	4.998		.185			5.068		.188		
	4.813		.188			4.880		.187		
	4.625		.373			4.693		.375		
	14.436	4.812		1.131		14.641	4.880		1.124	
4	5.483		.188			4.996		.188		
	5.295		.187			4.788		.184		
	5.108		.375			4.604		.372		
	15.886	5.295		1.501		14.368	4.789		1.496	
5	5.563		.190			3.568		.190		
	5.373		.190			3.378		.187		
	5.183		.380			3.191		.377		
	16.119	5.373		1.881		10.137	3.379		1.873	
		26.533					24.082			

F.B. 2866 P.G. 119

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Chief of Party F. E. Brooks
Notes by F. E. Brooks
Weather Clear
Time 1:45 - 2:45
Inst. No. 15066
Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-36 To BM 30-37
Date 27 Oct 1961
Indexed H. E. OM

Number of Station	BACKSIGHT Thread 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	6.557	6.533	.203	1.886		4.667	4.688	.173	1.877	
	6.154		.201			4.494		.171		
	5.953		.404			4.323		.344		
	18.464	6.155		2.290		13.484	4.495		2.217	
7	5.583		.174			5.056		.202		
	5.409		.177			4.854		.198		
	5.232		.351			4.656		.400		
	16.224	5.408		2.641		14.566	4.855		2.617	
8	5.105		.187			4.562		.188		
	4.918		.189			4.374		.187		
	4.729		.396			4.187		.375		
	14.752	4.917		3.017		13.123	4.374		2.992	
9	5.420		.185			5.369		.190		
	5.235		.183			5.179		.190		
	5.052		.368			4.989		.380		
	15.707	5.236		3.385		15.537	5.179		3.372	
10	5.722		.185			5.442		.190		
	5.537		.188			5.252		.190		
	5.349		.373			5.062		.380		
	16.608	5.536		3.758		15.756	5.252		3.752	
		53.752					48.230			

F.B. 2866 PG. 120

785

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks Weather: Clear Inst. No.: 15066
Notes by: F. E. Brooks Time: 1:45 - 2:45 Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM 30-36 To: BM 30-37
Date: 27 Oct 1961
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
11	5.167	53.7~~72~~ 85	.186	3.768		5.362	48.238	.188	3.752	
	4.981		.184			5.174		.187		
	4.797		.370			4.987		.375		
	14.945	4.982		4.128		15.523	5.174		4.127	
12	5.328		.188			5.365		.190		
	5.140		.188			5.175		.187		
	4.952		.376			4.988		.377		
	15.420	5.140		4.504		15.528	5.176		4.504	
13	5.173		.186			5.218		.189		
	4.987		.188			5.029		.186		
	4.799		.374			4.843		.375		
	14.959	4.986		4.878		15.090	5.030		4.879	
14	5.870		.188			4.868		.187		
	5.682		.188			4.681		.188		
	5.494		.376			4.493		.375		
	17.046	5.682		5.254		14.042	4.681		5.254	
15	5.149		.188			5.191		.184		
	4.961		.189			5.007		.188		
	4.772		.377			4.819		.372		
	14.882	4.961		5.631		15.017	5.006		5.626	
		79.523 36					73.305 4			

F.B. 2866 P.G. 121

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. 15022
Notes by: F. E. Brooks Time: 1:45 – 2:45 Rod No. 19-20

Name: L.A. Co. Precise Level Net
Job No. 0301.02
From: BM 30-36 To: BM 30-37
Date: 27 Oct 1961
Indexed: H. E. OTT

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
16	5.229	79.50~~7~~ 36	.186	5.631		5.192	73.30~~7~~ 4	.187	5.626	
	5.043		.189			5.005		.187		
	4.854		.375			4.818		.374		
	15.126	5.042		6.006		15.015	5.005		6.000	
17	4.299		.188			4.985		.180		Summation of Run From B.M. 30-36 To B.M. 30-37
	4.111		.188			4.805		.180		
	3.923		.376			4.625		.360		
	12.373	4.111		6.382		14.415	4.805		6.360	
18	5.113		.090			7.409		.090		BM 30-37 W. side of San Gabriel River 90 ft S. of S. barrel of 72 St. See F.B. 1396-36
	5.023		.090		#19	7.319		.090		
	4.933		.180			7.229		.180		
	15.069	5.023		6.562	70°	21.957	7.319		6.540	
										Total Backsights = + 93.~~679~~ 712 Total Foresights = – 90.43~~7~~ 3 Diff. Elev. = + 3.2~~77~~ 79
										Backsight stadia = 6.562 Foresight Stadia = 6.540 Total Stadia = 13.102 = .83 mi
				93.~~679~~ 712					90.43~~7~~ 3	

F.B. 2866 P.G. 122

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather SUNNY & WINDY Inst. No. 15066
Notes by R R RODRIGUEZ Time 9:00 TO 10:20 Rod No. 19-20

L.A. Co. Precise Level Net
Name
Job No. 0301.02
From BM 30-37 To BM 30-36
Date 10-30-61
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	7195		091		#19	4853		085		BM 30-37
	7104		088			4768		084		W. side of San Gabriel River
	7016		179			4684		169		90 ft S. of ℄ S. barrel of Hwy 4
	21315	7105		179		14305	4768		169	See F.B. 1396-36
2	4861		180			4207		187		T LEGAULT
	4681		180			4020		188		
	4501		360			3832		375		
	14043	4681		539		12059	4020		544	
3	5095		189			5131		185		
	4906		187			4946		188		
	4719		376			4758		373		
	14720	4907		915		14835	4945		917	
4	5088		185			5048		187		
	4903		188			4861		190		
	4715		373			4671		377		
	14706	4902		1288		14580	4860		1294	
5	4565		187			5626		188		
	4378		187			5438		186		
	4191		374			5252		374		
	13134	4378		1662		16316	5439		1618	
		~~25993~~					24032			

F.B. 2866 P.G. 123

76P526-CE 379—10-57

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather ~~[illegible]~~ Inst. No. 15066
Notes by R. R. RODRIGUEZ Time 9:00 to 10:20 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-37 To BM 30-36
Date 10-30-61
Indexed H. E. Orr

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	5106	25,993	187	1662		5003	24,032	186	1668	
	4919		188			4817		188		
6	4731		375			4629		374		
	14756	4919		2037		14449	4817		2042	
	5370		189			5334		187		
	5181		188			5147		188		
7	4993		377			4959		375		
	15544	5181		2414		15440	5147		2417	
	5271		188			5077		186		
	5083		186			4891		185		
8	4897		374			4706		371		
	15251	5084		2788		14674	4891		2788	
	5304		192			5587		188		
	5112		189			5399		188		
9	4923		381			5211		376		
	15339	5113		3169		16197	5399		3164	
	5199		191			5250		187		
	5008		188			5063		186		
10	4820		379			4877		373		
	15027	5009		3548		15190	5063		3537	
	51244					49348				

F.B. 2866 P.G. 124

76P526-CE 379—10-57

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party: F. E. Brooks
Weather: Sunny & Wind. Inst. No.: 15066
Notes by: R. R. RODRIGUEZ
Time: 9:20 to 10:20 Rod No.: 19-20

Name: L.A. Co. Precise Level Net
Job No.: 0301.02
From: BM30-37 To: BM30-36
Date: 10-30-61
Indexed: H. E. Ott

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
11	4440	51.244	189	3548		4992	49.349	186	3537	
	4251		187			4806		188		
	4064		376			4618		374		
	12755	4252		3924		14916	4805		3911	
12	4970		190			5510		189		
	4780		188			5321		187		
	4592		378			5134		376		
	14342	4781		4302		15965	5322		4287	
13	4445		185			6112		190		
	4260		182			5922		191		
	4078		367			5731		381		
	12783	4261		4669		17765	5922		4668	
14	3369		180			5383		200		
	3189		178			5183		200		
	3011		358			4983		400		
	9569	3190		5027		15549	5183		5068	
15	5117		195			5608		177		
	4922		195			5431		180		
	4727		390			5251		357		
	14766	4922		5417		16290	5430		5425	
		72.795					76.018			

F.B. 2866 P.G. 125

76P526-CE 379—10-57

PLEASE RETURN TO
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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather SUNNY & WARM Inst. No. 15066
Notes by R. R. RODRIGUEZ Time 9:00 TO 10:20 Rod No. 19-20

Name L.A. Co. Precise Level Net
Job No. 0301.02
From BM 30-37 To BM 30-36
Date 10-30-61
Indexed H. F. OH

Number of Station	BACKSIGHT Thread 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	5089	72.~~705~~ 683	188	5417	#19	5020	76.01X	188	5425	
	4901		186			4832		189		
	4715		374			4643		377		
	14705	4902		5791		14495	4832		5802	
17	5744		186			4611		188		Summation of Run
	5558		187			4423		187		From B.M. 30-37
	5371		373			4236		375		To B.M. 30-36
	16673	5558		6169		13270	4423		6177	
18	5213		188			6367		186		BM 30-36
	5025		187			6181		188		W. Side of San Gabriel River
	4838		375			5993		374		60.5 ft. S. of P.P. 105282
	15076	5025		6539	74°	18591	6180		6551	See F.B. 1396-36
										Total Backsights = +88.1~~40~~ 68
										Total Foresights = −91.4~~49~~ 44
										Diff. Elev. = −3.2~~36~~ 76
										Backsight stadia = ~~5.025~~ 6.539
										Foresight Stadia = ~~6.180~~ 6.551
										Total Stadia = ~~11.205~~ 13.090
										= ~~0.71 mi.~~ 0.83 mi.
	168									
	88.~~140~~					91.44				

F.B. 1396 P.G. 126

Dutton

76P526-CE 379—10-57

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

DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party F. E. Brooks Weather Sunny Inst. No. 15066
Notes by J. M. Maldonado Time 3:40 to 4:55 Rod No. 19 Rod

Name L.A. Co. Precise Level Net
Job No.
From BM 30-37 To BM 30-13A
Date 10-27-61
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
										BM 30-37
	11.481		0.60		#19	3.213		059		W. Side of San Gabriel River
	11.421		060			3.154		056		90 ft. S. of ℄ of S. Barrel
1	11.361		120			3.098		115		of 7th St.
	34.263	11.421		120	66°	9.465	31.55		115	See F.B. 1396-36
	9.195		061			2.553		065		BM 30-13A
	9.134		.060			2.488		.064		7th St. and San Gabriel
2	9.074		121			2.424		.129		River W. Side
	27.403	9.134		241	66°	7.465	2.488		244	See F.B. 1396-174
										T Rodriguez
										Summation of Run
										From B.M. 30-37
										To B.M. 30-13A
										Total Backsights = +20.555
										Total Foresights = − 5.643
										Diff. Elev. = +14.912
										Backsight stadia = 241
										Foresight Stadia = 244
										Total Stadia = 485
										= .03 mi.
		20.555					5.643			

FB 2866 P.G. 127

LOS [redacted]
700 Los [redacted]

[redacted] ON THIS
[redacted] LED IN
[redacted] ME OF

28 66

[redacted]

Date 10-22-61
Indexed H. E. OTT

Station	Thread Readings	Mean	Thread Intervals	Sum of Intervals	Rod and Temp.	Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	2652		064		#1	929				BM 30-13A
	258		06			923		06		and San Gabriel
1	2[illegible]		12			9177		12		River side
	[illegible]		127			27711	237			1396-174
	2[illegible]		05			11086		58		BM 30-37
	2766		059			11028		056		W. side of San Gabriel
2	2707		117			10972		114		River 90 ft s. of ℄ of S
	8297	2.766		244		33086	11029		234	barrel of 17th St. See F.B. 1396-36
										A. LE GALLT
										Summation of Run From B.M. 30-13A To B.M. 30-37
										Total Backsights = + 5.334 Total Foresights = − 20.266 Diff. Elev. = − 14.912
										Backsight stadia = ~~.241~~ .244 Foresight Stadia = ~~11.029~~ .234 Total Stadia = ~~11.270~~ .478 ~~.071 mi~~ .03

F.B. 2866 PG. 128

5.334 ✓ 20266 ✓ ✓ [illegible]