Notes Ck'd by	Survey of L.A. Co. Precise Level Net
Map No.	JN 0301.02 Tape Std °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date June 64
Date	Indexed [illegible]

F. B. 2851 PG. 5

IN 0301.02

L.A. Co. PRECISE LEVEL NET

LINE No 34

Return

From SAN PEDRO

To REDONDO BEACH

VIA SIGNAL ST. – 15th ST. – PACIFIC AVE – 25th ST – PALOS VERDES DR. S. – PALOS VERDES DR. W. – PALOS VERDES BLVD and AVE I.

F.E. Brooks
KM Kapp
ML Bustrum
R. Turrell
R. Siemann
S Will
C. O Valdez
R.J. Rodriguez

Microfilmed May 85.

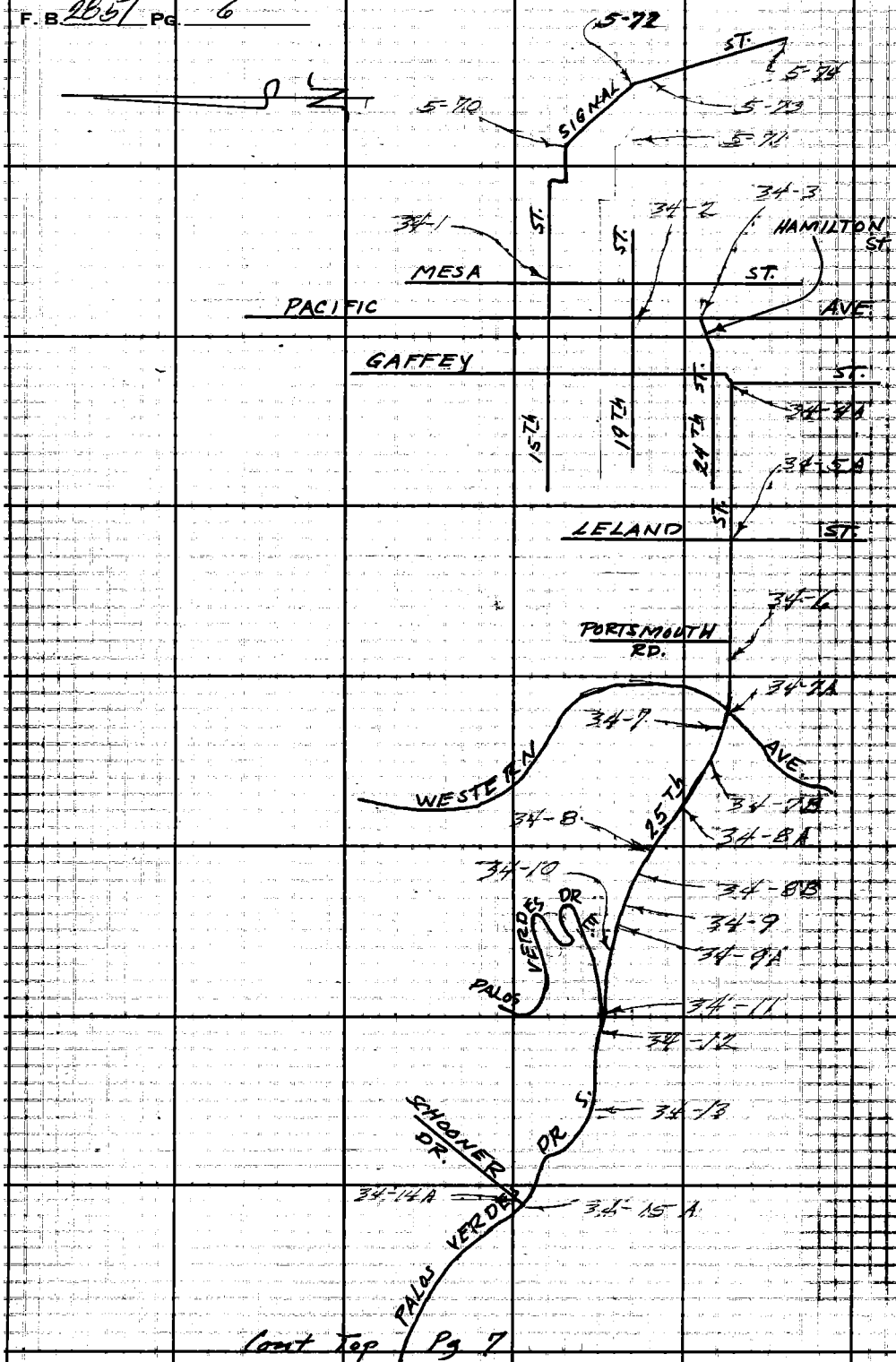
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Do not extend this side of this line.

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

76F309S CE #310 6-63

F. B. 2857 PG. 6



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PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.
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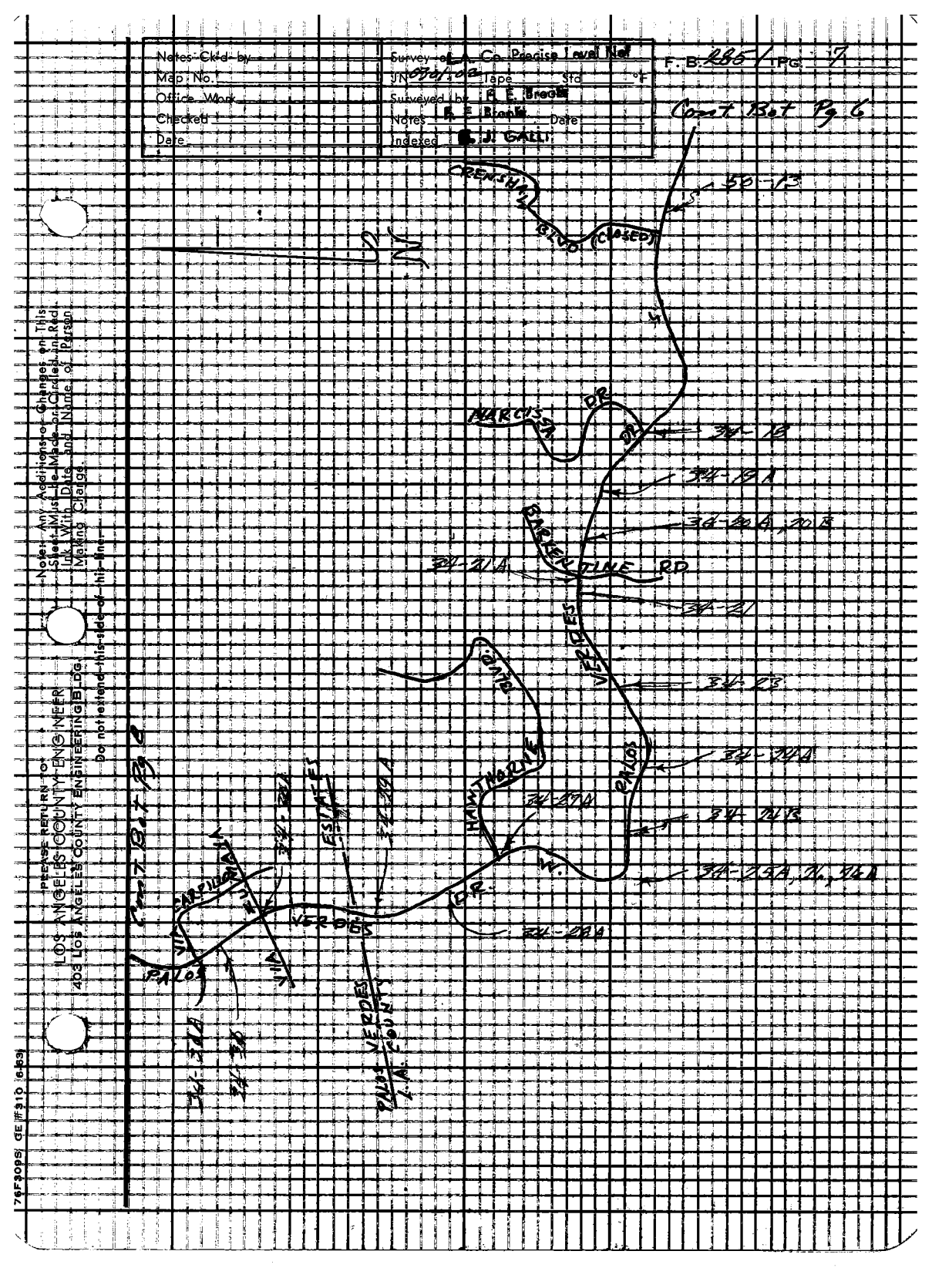
Notes Ckd by
Map No.
Office Work
Checked
Date
Survey of L.A. Co. Precise Level Net
JN 07a104a
Tape Std
Surveyed by R. E. Brooks
Notes R. E. Brooks Date
Indexed J. GALLI
F. B. 1255 / PG. 17
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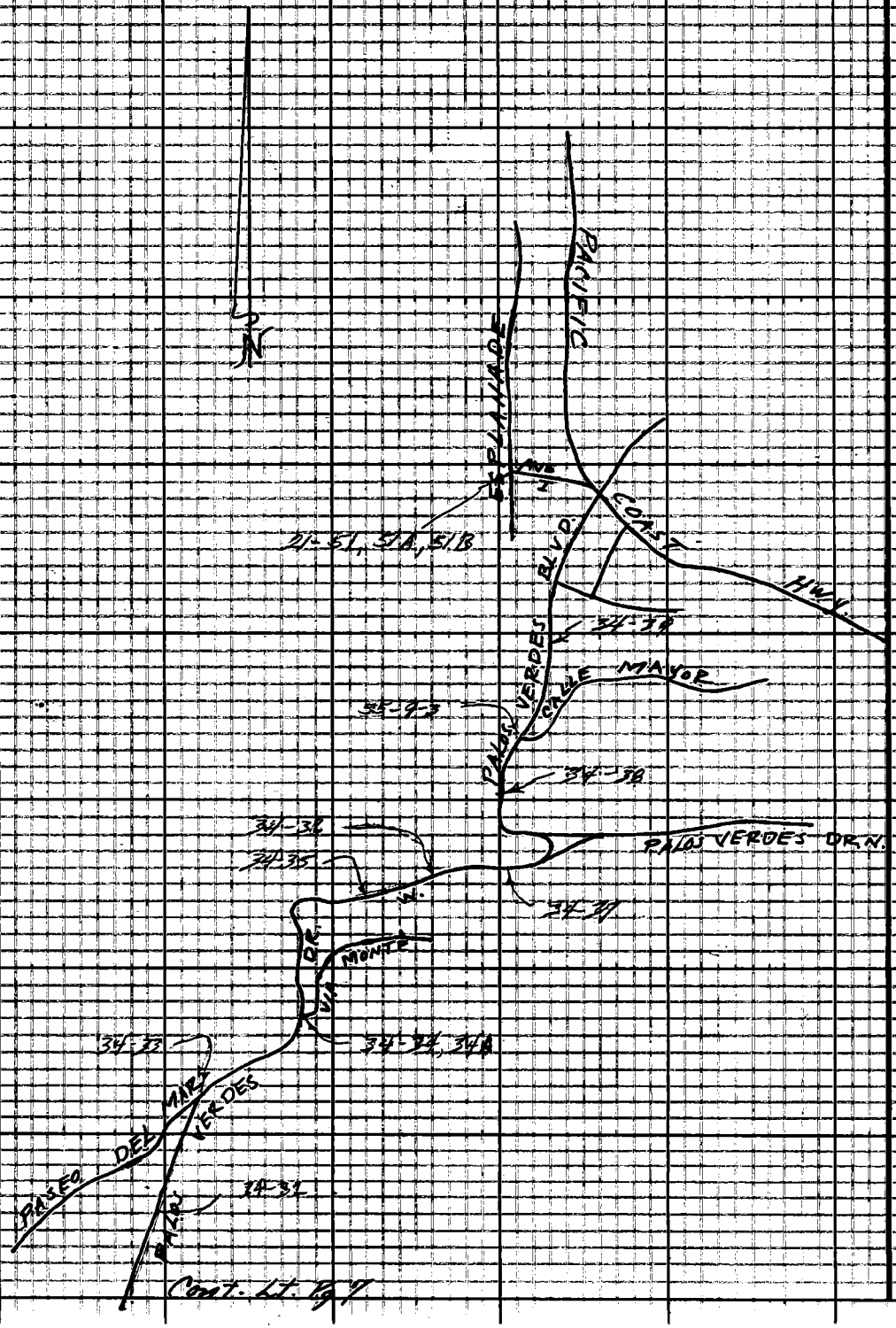
F.B. 2851 PG. 8



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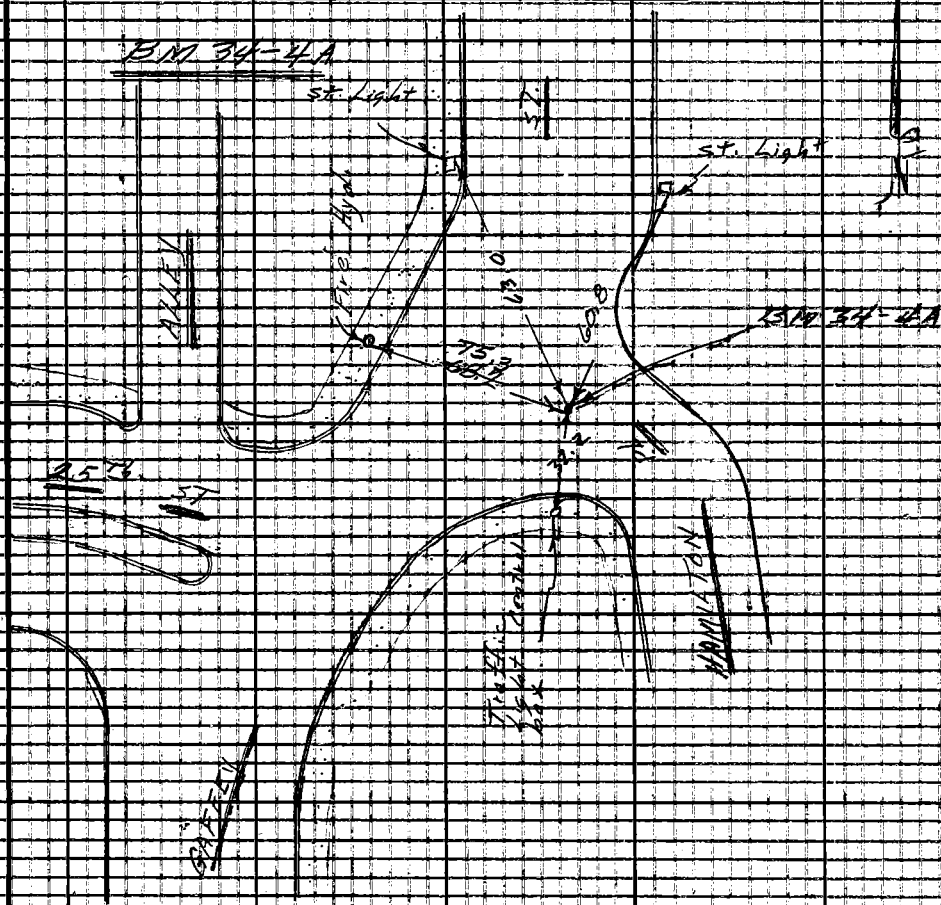
Map No.	JN 0301.02 Tape Std °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 10 June 1964
Date	Indexed [redacted] J. GALLI

F. B. 2851 PG. 9



BM 34-4A

This mark is near the intern. of GAFFEY ST. HAMILTON PL. and 25th ST. The mark is 75.3 ft. S.E. of a Fire Hyd. 63.0 ft. S.E. of St. Light on N.W. Cor. 60.8 ft. S.W. of St. light on N.E. Cor. 32.2 ft. N.E. of Traffic signal control box. The mark is a hex bar set in conc. 10" dn. protected by a cast iron cover marked CITY OF L.A. ENGINEERING MONUMENT.

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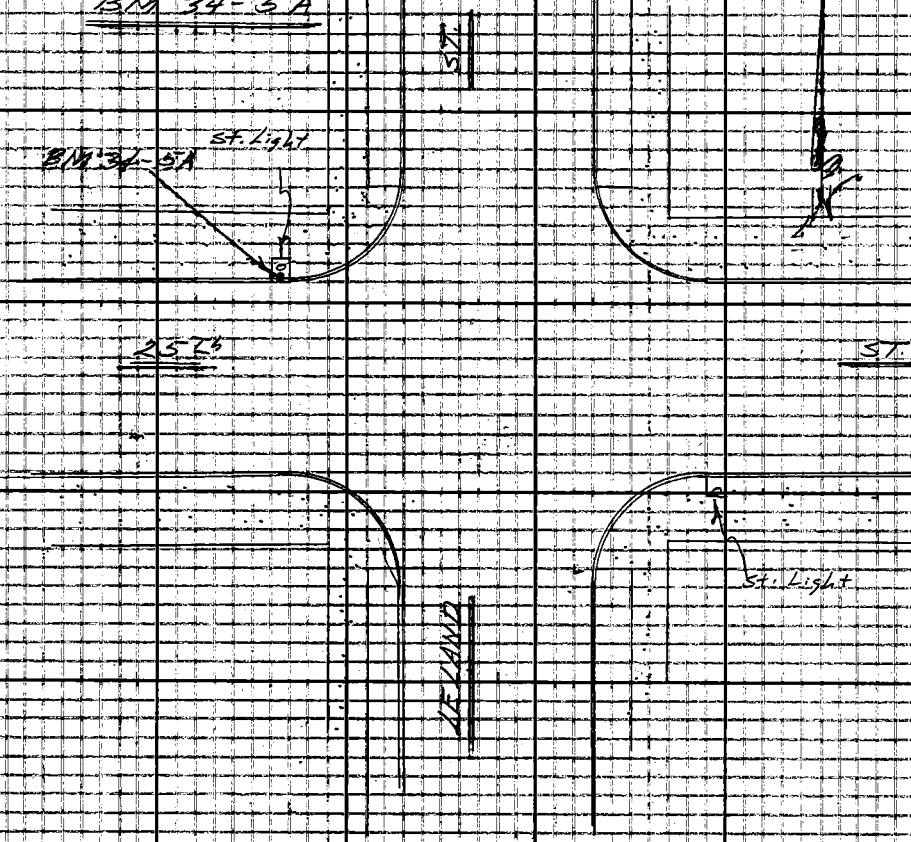
76F3095 CE #310 6-63

F.B. 2051 PG. 10

BM 34-5A



BM 34-5A

This mark is at 25th St. and LELAND St. N. W. Cor. The mark is a L.A. Co. Engr. 2" Brass Cap cemented into the conc. base of the St. Light. The mark is stamped BM 34-5A RE 5869 1964.

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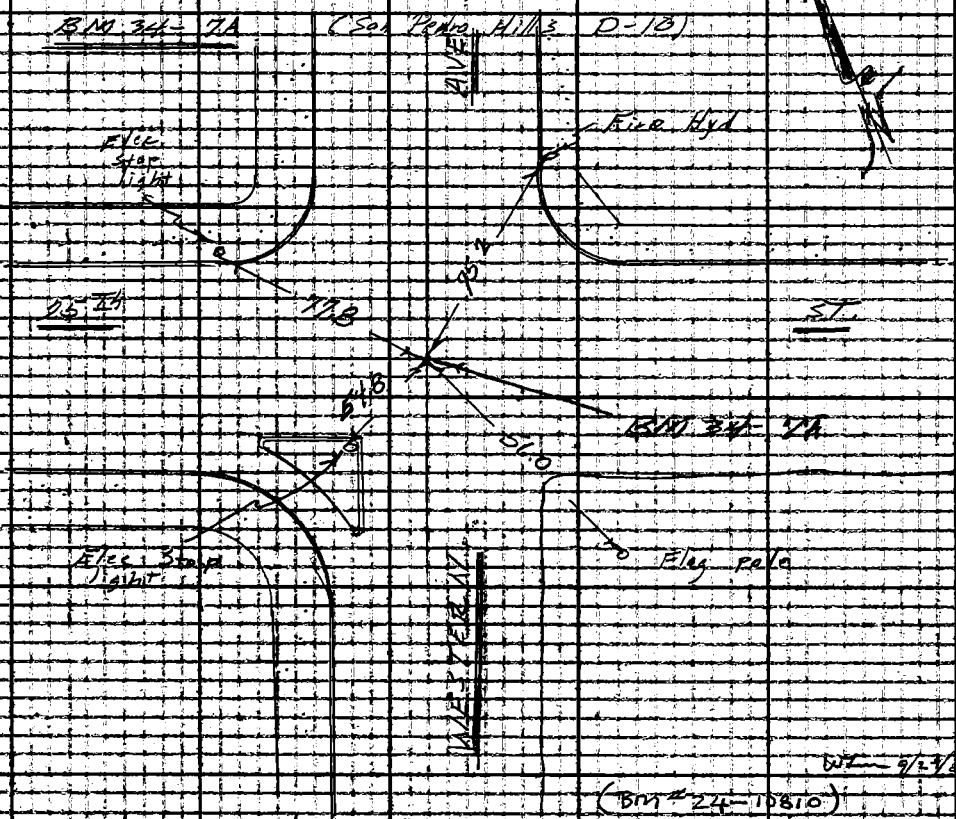
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 11 June 64
Date	Indexed G. J. GALLI

F. B. 2851 Pg. 17

1954

BM 34-7A (San Pedro Hills D-10)



WL 9/24/64

(BM #24-10810)

BM 34-7A (SAN PEDRO HILLS D-10

This mark is at 25th ST. and WESTERN AVE ℄ inter. The mark is 75.2 ft. S.W. of Fire Hyd. 56.0 ft. N.W. of Flag pole 54.8 ft. N.E. of Elec. stop light on N.E. cor. of traffic Island and 77.8 ft. S.E. of Elec. stop light at W. End C.R. on N.W. cor. The Mark is a L.A. City Engr. Brass Disc stamped SAN PEDRO HILLS D-10 1954 set in a well 10" dn and protected by a cast iron cover marked CITY of L.A. ENGINEERING MONUMENT.

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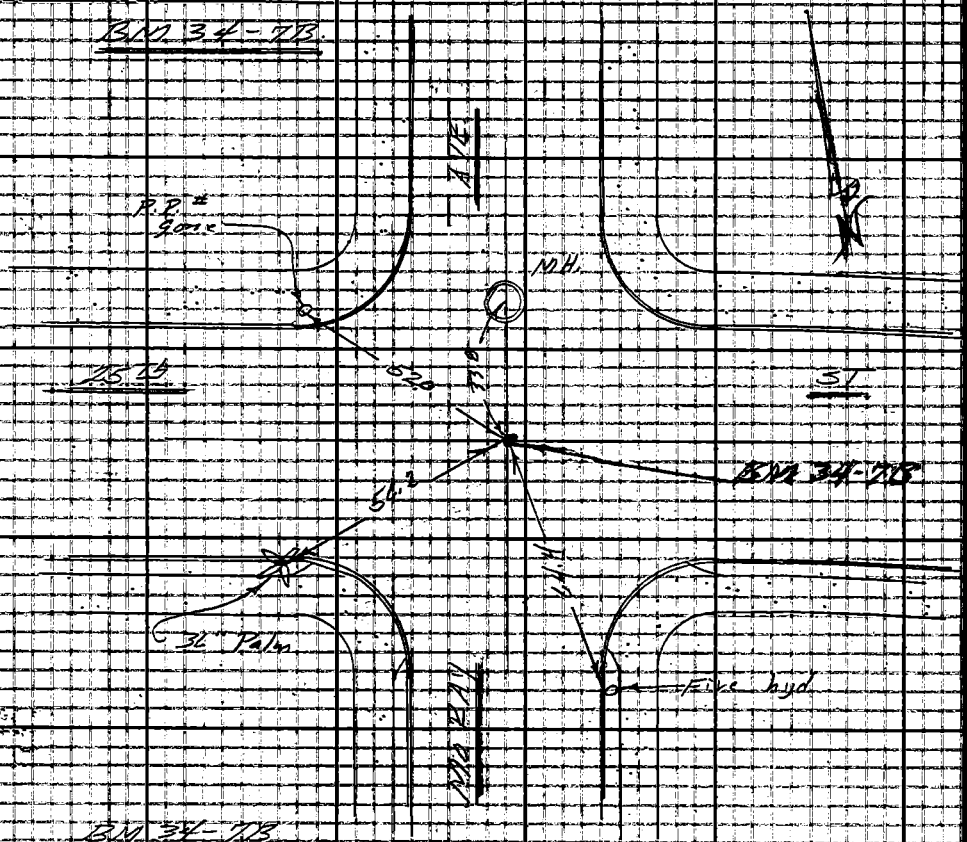
76F309S CE #310 6/63

F.B. 2851 Pg. 12

BM 34-TB.



BM 34-TB.

This mark is at 25th St. and IVORY AVE. & Inter. the mark is 33.8 ft. S. of a M.H. 52.0 ft. S.E. of a P.P.# gone 56.2 ft. N.E. of a 36" Palm about 64.4 ft. N.W. of a fire hyd. This mark is a Hex bar set in conc. 12" dia. in a well and protected by a cast iron cover marked CITY of L.A. ENGINEERING MONUMENT.

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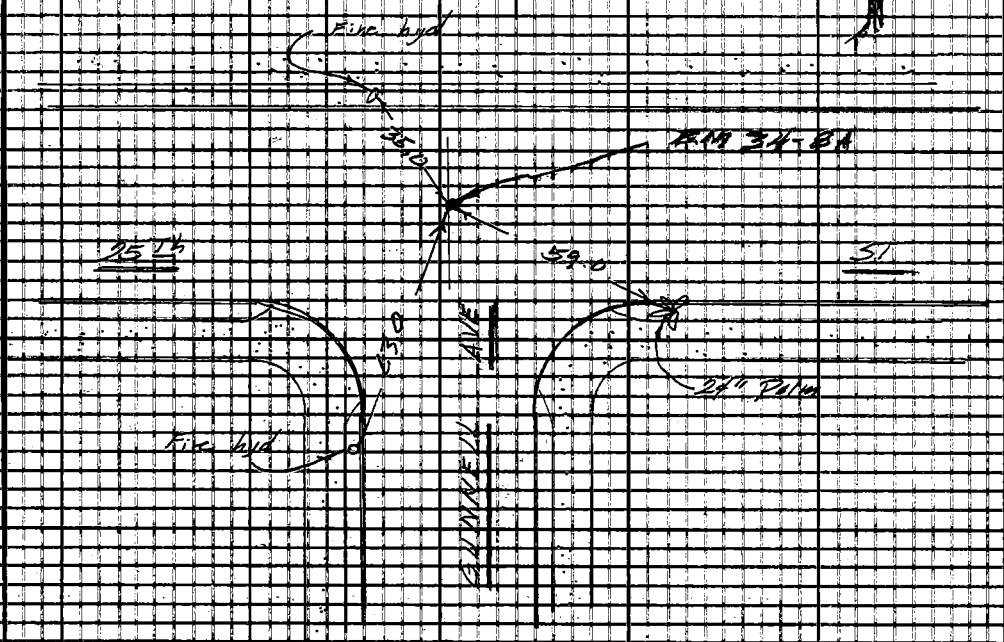
F. B. 2851 PG. 13

BM 34-8A



BM 34-8A

This mark is at 25th ST. and GUNNELL AVE @ Inter. The mark is 35.0 ft. S.E. of a fire Hyd, 63.0 ft. N.E. of a fire hyd. and 59.0 ft. N.W. of a 24" Palm. The mark is a hex bar set in conc. 10" dn. in a well and Protected by a cast iron cover marked CITY of L.A. ENGINEERING MONUMENT

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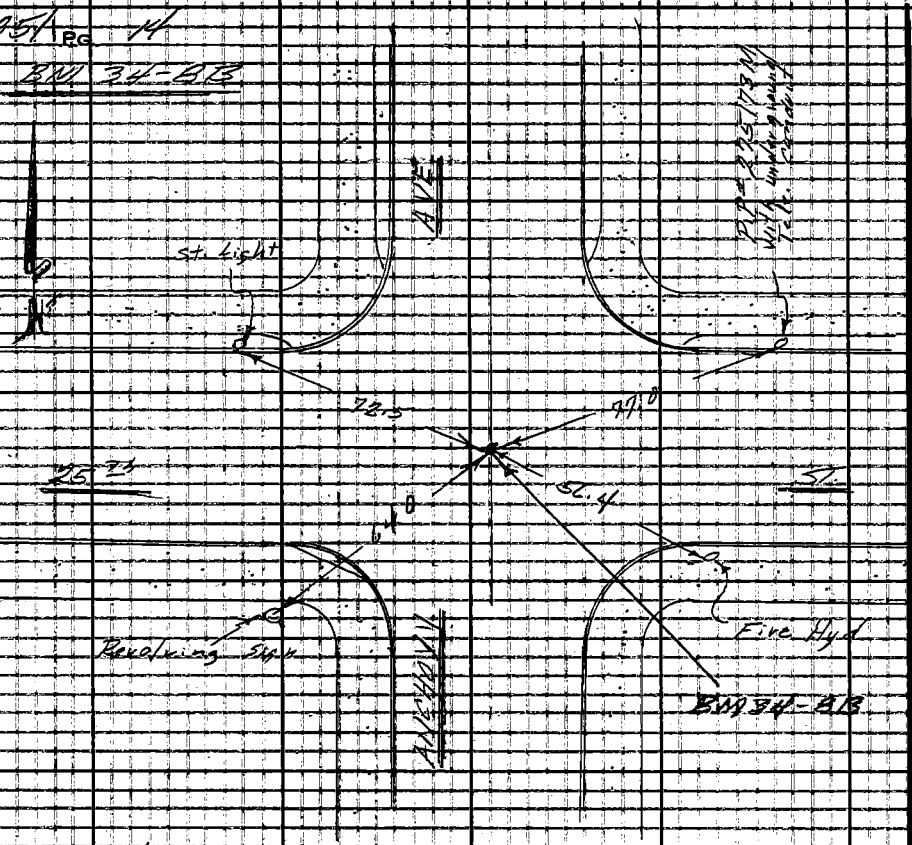
76F309S CE #310 6-63

F.B. 2051 PG. 14

BM 34-8B



BM 34-8B

This mark is at 25th ST. and ANCHOVY AVE. ℄ Inter. The mark is 56.4 ft. N.W. of Fire hyd on S.E. Cor. 64.0 ft. N.E. of Revolving sign on S.W. cor. 72.5 ft. S.E. of St. Light on N.W. cor. and 77.0 ft. S.W. of P.P. # 275173M on N.E. Cor. (P.P. has underground Tele. conduits) The mark is a Hex bar set in conc. 10" dn. in a well and protected by a cast iron cover marked City of L.A. ENGINEERING MONUMENT

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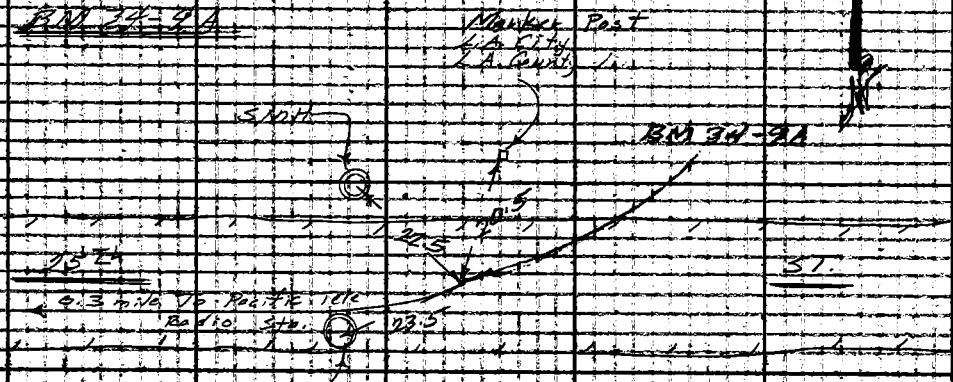
Checked	Notes F. E. Brooks Date 11 June 64
Date	Indexed E. J. GAIN

F.B. 2851 PG. 15

BM 34-9A



BM 34-9A

This mark is on 25th St. 0.3 mile E. of Pacific Tele. Radio Sta. The mark is on the ℄ of 25th St 22.5 ft. S.E. of a S.M.H. and 20.5 ft. S.W. of a marker post L.A. City L.A. County. 23.5 ft. N.E. of a S.M.H. The mark is a Hex. Bar set in conc. 8" dia. and well protected by a cast iron cover marked MONUMENT.

Notes: 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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LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
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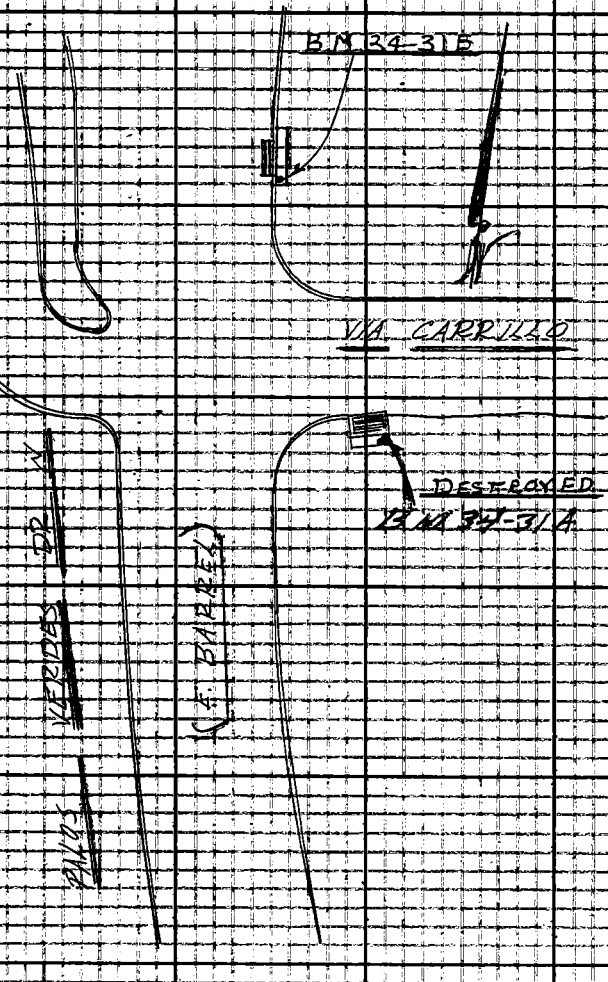
176F309S CE#310 6/63

F.B. 2951 Pg. 16

BM 34-31A



DESTROYED
BM 34-31A

This mark is on PALOS VERDES DR W. (E. Barrel) and VIA CARRILLO S.E. Cor. The mark is a L.A. Co. Engr. 2" Brass Cap cemented into the top of a storm drain catch basin and is stamped BM 34-31A RE 5229 1964

BM 34-31B

THIS MARK IS ON PALOS VERDES DR. WEST, EAST BARREL AND VIA KARRILLO, NORTH EAST CORNER. THE MARK IS A L.A. CO. ENGR. 2" BRASS CAP CEMENTED INTO THE TOP OF A STORM DRAIN CATCH BASIN - SOUTH WEST COR. AND STAMPED 34-31B R.E. 22726 1977

LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.
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Notice: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of L.A. Co. Precise Level Net
Map No.	JN 0304-03 Tape Std °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date JUN 12 1964
Date	Indexed W. J. GAULT

F. B. 2851 PG. 17

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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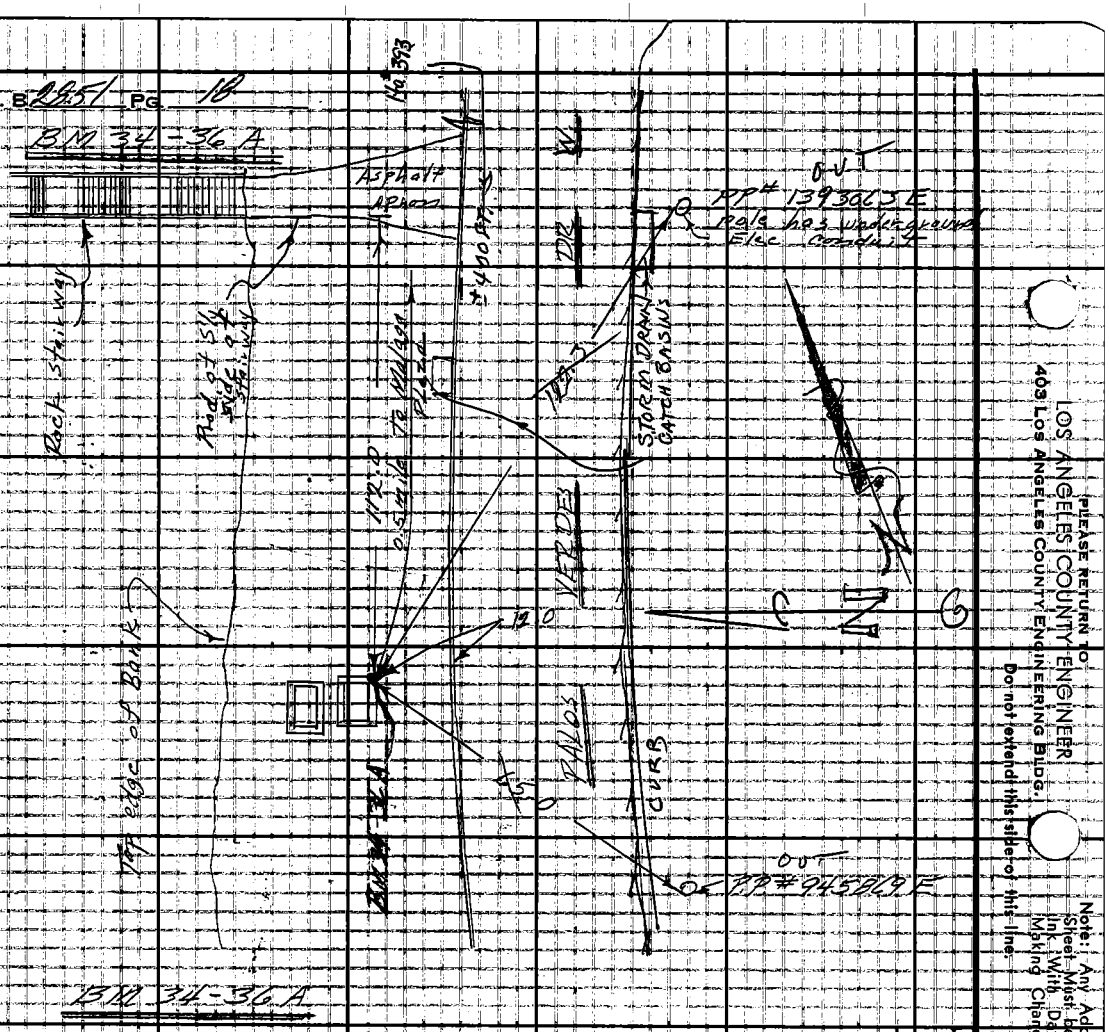
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.
76F309S CE #310 (6/63)

BM 34-29A

BM 34-29A

This mark is on PALOS VERDES DR W. 239± ft. SW'ly of CITY OF PALOS VERDES ESTATES CITY LIMITS sign. The mark is a L.A. Co Engr. 2" Button Brass Cap cemented into the E'ly side of a large white rock in a group of 4 Pine Trees in the median strip. The mark is 63.0 ft S.E. of S pole of Transformer bridge. The mark is stamped BM 34-29A RE 586.8 1964

F. B. 2851 Pg. 18



This mark is on PALOS VERDES DR. W. 0.5 mile W. Sly of MALAGA PLACE. The mark is a L.A. Co. Engr. 2" Bronze Brass Cap cemented into the N.Ely cor. of a conc. Tel. Junction box. 12.0 Ft. Wly of the curb and 65.0 Ft. N.Ely of R.P. #94586 E and 12.3 Ft. S Wly of R.P. #139306 E and 12.0 Ft. S Wly of W'ly edge graded to E. at a Rock stairway. The mark is stamped "BM 34-36A"

R.E. 3869 1964 ABOUT 400 Ft. W. OF Ha# 393

LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.

PLEASE RETURN TO

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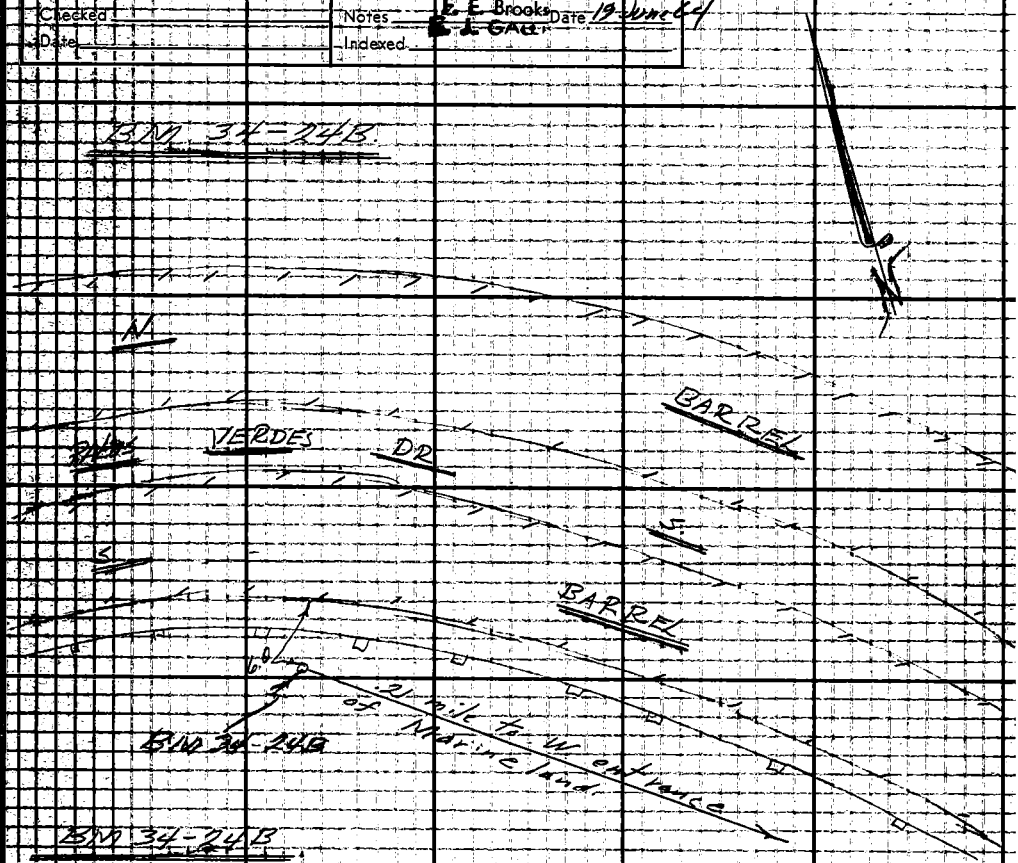
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink with Date and Name of Person Making Change.

Notes Ck'd by	Survey of L.A. Co. Precise Level Net	F. B. 2851 PG. 19
Map No.	JN 0301.02 Tape Std °F	
Office Work	Surveyed by E. E. Brooks	
Checked	Notes E. E. Brooks Date 19 June 64	
Date	Indexed E. J. GALL	

BM 34-24B



BM 34-24B

This mark is on PALOS VERDES DR S. .21 mile W'ly of W. Entrance To MARINELAND, near the crest of a hill. The mark is a L A Co. Engr Precast B.M. Mon. set 6" above grade 6.0 ft S'ly of S edge of pvmt. of S. Barrel. The mark has nothing stamped on it.

THE MARK IS STAMPED
1-7-70 G.E.D.

COUNTY ENGINEER
BM 34-24B
1964
R. E. 5869

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
4031 LOS ANGELES COUNTY ENGINEERING BLDG.
Do not extend this side of this line.
Note: Any Additions or Changes on this Sheet must be made on Grouped in Red Ink. Write Before and Name of Person Making Change.
76F3095 (GE) 3310 (6-62)

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA
BM 5-74								
1	166	107	467 5	175 156 19	165	065	466 5	174 155 19
2	67	242	368 5	85 49 36 55	170	158	471 5	189 150 39 58
3	147	505	448 5	176 118 58 113	153	590	454 5	180 126 54 112
4	151	429	452 5	182 119 63 176	150	928	451 5	182 118 64 176
5	153	281	454 5	186 120 66 242	152	652	453 5	184 120 64 240
6	149	211	450 5	186 112 74 316	146	188	447 5	183 109 74 314
7	148	780	449 5	176 120 56 372	142	307	443 5	172 112 60 374
BM 5-73	144	031	445 5	168 120 48 420	55	217	356 5	78 32 46 420
	1128	086			1136	105		

DESCRIPTION AND REMARKS

FROM BM 5-74 TO BM 5-73

BM 5-74 (Tidal 8)
Berth 60 L.A. Outer Harbor S end Municipal Dock #1
See F.B. 1206-56

T Bustrum

Summation of Run
From B.M. 5-74
To B.M. 5-73

Total Backsights = + 1128.086
Total Foresights = − 1136.105
Diff. Elev. = −8.019

BM 5-73 (Tidal 9)
Berth #57 L.A. Outer Harbor
See F.B. 1206-55

Backsight stadia = 420
Foresight Stadia = 420
Total Stadia = 840 Meters

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

SURVEY BY F. E. Brooks

NOTES BY K. M. Kapp DATE 6-15-64

INDEXED DATE

WEATHER Overcast INST. NO. 96716

TIME 8:55-9:35 ROD NO. 9-19

NOTES CHKD. C. J. GAIN DATE JUL 3 '64

F.B. 2851 PG. 21

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS
BM 5-73									FROM BM 5-73 TO BM 5-74
1	57	715	358 5	80 / 34 46	146	293	447 5	170 / 122 48	BM 5-73 (Tidal 9) Berth #57 L.A. Outer Harbor See F.B. 1206-55
2	148	370	449 5	177 / 119 58 / 1 04	155	222	456 5	183 / 127 56 / 1 04	π Brooks
3	153	525	454 5	189 / 116 73 / 1 77	156	525	457 5	193 / 119 74 / 1 78	
4	156	075	457 5	188 / 124 64 / 2 41	156	653	457 5	189 / 123 66 / 2 44	Summation of Run From B.M. 5-73 To B.M. 5-74
5	154	211	455 5	186 / 122 64 / 3 05	154	695	455 5	185 / 123 62 / 3 06	
6	159	500	460 5	187 / 131 56 / 3 61	153	634	454 5	180 / 126 54 / 3 60	Total Backsights = + 1162.893 ✓ Total Foresights = − 1155.004 ✓
7	171	178	472 5	192 / 150 42 / 4 03	62	088	363 5	83 / 41 42 / 4 02	Diff. Elev. = + 7.889 ✓
BM 5-74	162	319	463 5	170 / 153 17 / 4 20	169	894	470 5	177 / 161 16 / 4 18	BM 5-74 (Tidal 8) Berth #60 L.A. Outer Harbor. S. end Municipal Dock #1 See F.B. 1206-56
	1162	893 ✓			1155	004 ✓			

Backsight stadia = 420 ✓
Foresight Stadia = 418 ✓
Total Stadia = 838 ✓ Meters

F.B. 2851 PG. 22 JOB NO. 03 01 02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY R. E. Brooks NOTES K. M. Kapp

INDEXED R. J. Gaffey DATE

WEATHER Overcast INST. NO. 96716

TIME 11:30-12:10 ROD NO. 9-19

NOTES CHKD [illegible] DATE 3-31-64

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT	STADIA	RIGHT	MIC.	LEFT	STADIA	FROM BM5-73 TO BM5-72
BM5-73									BM5-73 (Tidal 9) Berth #57 LA Outer Harbor
1	47	108	348 5	70 24 46	100	360	401 5	124 76 48	see F.B. 1206-55
~~2~~									T Bustrum
BM5-72									BM5-72 (Tidal 10) S end of Signal St. Viaduct See F.B. 1206-55

Summation of Run
From B.M. 5-73
To B.M. 5-72

Total Backsights = + 47.108'
Total Foresights = − 100.360'
Diff. Elev. = − 53.252'

Backsight stadia = 46'
Foresight Stadia = 48'
Total Stadia = 94' meters

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

SURVEY BY F. E. Brooks

NOTES BY F. E. Brooks DATE JUN 15 1964

INDEXED DATE

WEATHER Overcast INST. NO. 96776

TIME 9:40 − ROD NO. 9-19

NOTES CHKD [illegible] DATE [illegible]

F.B. 2851 PG. 23

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM5-72 TO BM5-73
BM5-72													BM5-72 (Tidal 10)
													S. end of Signal St.
1	100	829	401	5	124 76	48	47	508	348	5	70 24	46	Viaduct. See F.B. 1206-55
~~2~~													⊼ Brooks
BM5-73													BM 5-73 (Tidal 9)
													Berth #57 L.A. Outer Harbor
													See F.B. 1206-55

Summation of Exs
From B.M. 5-72
To B.M. 5-73

Total Backsights = + 100.829 ✓
Total Foresights = − 47.508 ✓
Diff. Elev. = + 53.321 ✓

Backsight stadia = 48 ✓
Foresight Stadia = 46 ✓
Total Stadia = 94 ✓ Meters

F.B. 2251 PG. 24

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY F. E. Brooks NOTES K. M. Kapp

INDEXED J. GALLI DATE

JOB NO. 0301.02

WEATHER Overcast INST. NO. 9C71C

TIME 11:25 ROD NO. 9-19

NOTES CHKD [illegible] DATE JUL 31 '64

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 5-72 TO BM 5-71
BM 5-72													BM 5-72 (Tidal 10) S. end of Signal St. Viaduct See F.B. 1206-55
1	100	321	401	5	124 / 76	48	126	061	427	5	150 / 102	48	
2	136	819	437	5	163 / 110	53 / 101	151	555	452	5	178 / 124	54 / 102	π Bustrum
3	156	959	457	5	170 / 142	28 / 129	49	082	350	5	64 / 34	30 / 132	
	394	099					326	698					
BM 5-71													BM 5-71 (Tidal 11) 22nd St. near Miner St. See F.B. 1206-55

Summation of Run
From B.M. 5-72
To B.M. 5-71

Total Backsights = + 394.099
Total Foresights = − 326.698
Diff. Elev. = + 67.401

Backsight stadia = 129
Foresight Stadia = 132
Total Stadia = 261

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

SURVEY BY F. E. Brooks

NOTES BY F. E. Brooks DATE JUN 15 1964

INDEXED DATE

WEATHER overcast TIME 9:45 - 9:55 INST. NO. 96716 ROD NO. 9-19

NOTES CHKD. J. GALLI DATE

F.B. 2851 PG. 25

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 2951 PG. 21 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY R. E. Brooks NOTES K. M. Kaza DATE

INDEXED R. E. Gault DATE

WEATHER Overcast INST. NO. 9671

TIME 11:00 - 11:20 ROD NO. 9-43

NOTES CHKD [illegible] DATE 7-1-64

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 5-71 TO BM 5-72
BM 5-71													BM 5-71 22nd St. near Miner St. See F.B. 1206-55
1	51	517	352	5	66 36	30	155	379	456	5	170 140	30	
2	155	732	456	5	182 126	56 84	144	522	445	5	170 118 ~~445~~	52 5 82	T Brooks
3	126	010	427	5	150 102	48 32	100	779	401	5	124 72	48 30	
	333	259					400	680					
BM 5-72													BM 5-72 (Tidal 10) S. end of Signal St. Viaduct See F.B. 1206-55

Summation of Rur
From B.M. 5-71
To B.M. 5-72

Total Backsights = + 333.259
Total Foresights = − 400.680
Diff. Elev. = − 67.421

Backsight stadia = 132
Foresight Stadia = 130
Total Stadia = 262 meters

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM BM 5-71 TO BM 5-70
BM 5-71									BM 5-71 (Tidal 11) 22nd St. near Miner St. See F.B. 1206-55
1	59	152	360 5	83 35 48	147	831	448 5	172 122 50	
2	152	723	453 5	179 124 55 103	144	355	445 5	172 116 56 106	
3	136	895	437 5	163 108 55 158	126	267	427 5	153 99 54 160	
4	170	387	471 5	190 150 40 198	138	793	439 5	156 120 36 196	
	519	157			557	246			
BM 5-70									BM 5-70 Tidal 12 under Signal St. Viaduct in base of conc column See F.B. 1206-54

Summation of Run
From B.M. 5-71
To B.M. 5-70

Total Backsights = + 519.157
Total Foresights = − 557.246
Diff. Elev. = − 38.089

Backsight stadia = 198
Foresight Stadia = 196
Total Stadia = 394 meters

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

SURVEY BY [illegible] DATE JUN 15 1964 WEATHER Overcast INST. NO. 96716

NOTES BY [illegible] TIME 9:55-10:10 ROD NO. 9-19

INDEXED DATE NOTES CHKD C. J. GAUL DATE JUL 31 64

F.B. 2851 PG. 27

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

F.B. 2251 PG. 28 JOB NO. 0301.02 L.A. Co. Precise Level Net

SURVEY OF ____ NOTES K.M. Kepp

SURVEY BY E.E. Brooks DATE ____

INDEXED C.A. Baker

WEATHER Overcast INST. NO. 96 716

TIME 10:35-10:55 ROD NO. 9-19

NOTES CHKD [illegible] DATE III 31 '64

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 5-70 TO BM 5-71
BM 5-70													BM 5-70 (Tidal 12) Under Signal St. Viaduct in base of Conc. Column See F.B. 1206-54
1	143	727	445	5	162 / 124	38	181	589	482	5	200 / 162	38	
2	137	979	438	5	164 / 110	54 / 92	143	670	444	5	170 / 116	54 / 92	T Brooks
3	150	302	451	5	178 / 122 / 1	56 / 98	157	175	458	5	189 / 130 / 1	54 / 96	
4	138	038	439	5	163 / 113 / 1	50 / 98	79	374	350	5	77 / 27 / 1	50 / 96	✓
	570	046	✓				531	808	✓				
BM 5-71				5						5			BM 5-71 (Tidal 11) 22nd St. near Miner St. See F.B. 1206-55

Summation of Km
From B.M. 5-70
To B.M. 5-71

Total Backsights = + 570.046 ✓
Total Foresights = − 531.808 ✓
Diff. Elev. = + 38.238 ✓

Backsight stadia = 198 ✓
Foresight Stadia = 196 ✓
Total Stadia = 394 ✓ Meters

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS
BM 5-70									BM 5-70 (Tidal 12) Under Signal St. Viaduct in base of conc. column See F.B. 1206-54
1	187	042	488 5	212 / 162 50	148	068	449 5	172 / 124 48	
2	151	897	452 5	170 / 132 38 / 88	74	897	375 5	94 / 54 40 / 88	π Bustrum
3	280	658	581 5	286 / 274 12 / 100	14	285	315 5	21 / 7 14 / 102	
4	290	791	591 5	295 / 285 10 / 110	44	147	345 5	49 / 39 10 / 112	Summation of Run From B.M. 5-70 To B.M. 34-1
5	279	428	580 5	284 / 274 10 / 120	35	259	336 5	40 / 30 10 / 122	
6	133	865	434 5	147 / 119 28 / 148	15	349	316 5	30 / 00 30 / 152	Total Backsights = + 2859.374
7	285	348	586 5	300 / 271 29 / 177	44	449	345 5	58 / 32 26 / 178	Total Foresights = − 1042.145
8	241	287	542 5	270 / 212 58 / 235	170	775	471 5	198 / 143 55 / 233	Diff. Elev. = + 1817.229
9	239	763	540 5	268 / 210 58 / 293	107	923	408 5	136 / 78 58 / 291	Backsight stadia = 482
10	209	773	510 5	240 / 178 62 / 355	91	318	392 5	122 / 61 61 / 352	Foresight Stadia = 488
11	192	358	493 5	222 / 163 59 / 414	77	433	378 5	106 / 47 59 / 411	Total Stadia = 970 Meters
12	220	882	521 5	249 / 192 57 / 471	78	417	379 5	107 / 49 58 / 469	
BM 34-1	146	282	447 5	151 / 140 11 / 482	139	825	440 5	149 / 130 19 / 488	BM 34-1 (U.S.C.&G.S. H768) 15th St. & Mesa St. See F.B. 1355-7
	[illegible]	[illegible]			[illegible]	145			

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

SURVEY BY R. E. Brooks

NOTES BY K. M. Kapp DATE 6-15-64

INDEXED DATE

WEATHER Overcast

TIME 10:15-11:20

NOTES CHKD. C. J. GALLI DATE JUL 31 '64

INST. NO. 9671

ROD NO. 9-19

F.B. 2851 PG. 29

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 1851 PG. 30 JOB NO. 0301.02 L.A. Co. Precise Level Net

SURVEY OF ... NOTES K. M. Kapp

SURVEY BY E. E. Brooks ... DATE

INDEXED C. J. McCann

WEATHER Overcast INST. NO. 9671

TIME 8:50 - 10:30 ROD NO. 9-19

NOTES CHKD ... DATE III 31 '64

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 34-1 TO BM 5-70
BM 34-1													BM 34-1 (U.S.C.&G.S. H76
1	132	600	433	5	140 / 124	16	139	722	440	5	147 / 133	14	15th St. & Mesa St.
													See F.B. 1355-7
2	78	608	379	5	107 / 50	57	220	345	521	5	249 / 193	56	
						73						70	T Brooks
3	87	579	388	5	115 / 59	56	205	053	506	5	235 / 174	62	
					1	29					1	32	
4	100	727	401	5	131 / 69	62	218	746	519	5	248 / 188	60	Summation of Rise
					1	91					1	92	From B.M. 34-1
5	113	853	414	5	172 / 54	58	242	029	543	5	271 / 213	58	To B.M. 5-70
					2	49					2	52	
6	173	858	474	5	200 / 146	54	130	226	431	5	159 / 101	58	Total Backsights = + 1161.364 ✓
					3	03					3	08	Total Foresights = − 2978.453 ✓
7	21	869	322	5	35 / 7	28	256	898	557	5	269 / 243	26	Diff. Elev. = −1817.0891
					3	31					3	34	
8	77	795	378	5	90 / 64	26	274	873	575	5	286 / 262	24	
					3	57					3	58	Backsight stadia = 501 ✓
9	87	993	388	5	100 / 74	26	116	113	417	5	130 / 102	28	Foresight Stadia = 502 ✓
					3	83					3	86	Total Stadia = 1003 ✓ Meters
10	41	359	342	5	47 / 5	42	289	438	590	5	294 / 284	10	
					3	95					3	96	
11	20	983	321	5	25 / 15	10	252	242	553	5	257 / 247	10	
					4	05					4	06	
12	62	752	363	5	66 / 58	8	263	704	564	5	267 / 259	08	
					4	73					4	14	
13	7	152	308	5	30 / 7	46	181	151	482	5	204 / 158	46	
BM 5-70	154	296	455	5	112 / 23	59	187	713	488	5	4 / 208	60	BM 5-70 (Tidal)
					175 / 133	42					162	12	Under Signal St. Viaduct
	1161	364	✓		5	01	2978	453	✓		5	02	See F.B. 1206-54

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM BM 34-1 TO BM 34-2
BM 34-1									BM 34-1 (U.S.C. & G.S. H-768 15th St. & Mesa St.
1	109	853	410 5	137 81 56	174	698	475 5	202 146 56	See F.B. 1355-7
2	101	837	402 5	132 70 62 / 18	192	887	493 5	222 162 60 / 16	π Brooks
3	114	650	415 5	140 88 52 / 70	148	589	449 5	174 122 52 / 68	
4	154	235	455 5	178 130 48 / 18	167	516	468 5	191 143 48 / 16	
5	140	425	441 5	166 114 52 / 70	106	366	407 5	133 79 54 / 70	
6	198	672	499 5	220 176 44 / 14	105	088	406 5	127 83 44 / 14	
7	185	146	486 5	200 170 30 / 44	193	555	494 5	206 180 26 / 40	
	1004	818			1088	699			
BM 34-2									BM 34-2 Pacific Ave. & 20th St. See F.B. 1355-8

Summation of Run
From B.M. 34-1
To B.M. 34-2

Total Backsights = + 1004.818
Total Foresights = − 1088.699
Diff. Elev. = − 83.881

Backsight stadia = 344
Foresight Stadia = 340
Total Stadia = 684 Meters

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

SURVEY BY R. E. Brooks

NOTES BY K. M. Kapp DATE 6-22-64

INDEXED DATE

WEATHER Clear & Windy

TIME 1:55-2:30

NOTES CHKD. R. J. GALLI DATE 11 31 64

INST. NO. 9671

ROD NO. 9-15

F.B. 2851 PG. 31

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-2 TO BM 34-1
BM 34-2													BM 34-2
													Pacific Ave. & 20th St.
1	194	116	495	5	208 180	28	189	144	490	5	203 175	28	See F.B. 1355-8
2	108	184	409	5	130 86	44 72	198	255	499	5	220 176	44 72	T Brooks
3	106	888	407	5	133 79	54 1 26	141	112	442	5	166 116	50 1 22	
4	151	488	452	5	175 127	48 1 74	138	214	439	5	163 113	50 1 72	
5	148	595	449	5	174 122	52 2 26	111	311	412	5	138 84	54 2 26	
6	185	585	486	5	215 155	60 2 86	97	732	398	5	128 66	62 2 88	
7	183	318	484	5	211 155	56 3 42	118	618	419	5	146 90	56 3 44	
	1078	174					994	386					
BM 34-1													BM 34-1 (U.S.C. & G.S. H768)
													15th St. & Mesa St.
													See F.B. 1355-7

Summation of Run
From B.M. 34-2
To B.M. 34-1

Total Backsights = + 1078.174
Total Foresights = − 994.386
Diff. Elev. = + 83.788

Backsight stadia = 342
Foresight Stadia = 344
Total Stadia = 686 Meters

F.B. 2851 PG. 32

SURVEY OF F.A. Co. Precise Level Net

SURVEY BY E. E. Brock NOTES K. M. Kapp

INDEXED J. GALLI DATE

JOB NO. 0301.02

WEATHER Clear - Windy INST. NO. 9671

TIME 2:30 - 3:05 ROD NO. 9-19

NOTES CHKD [illegible] DATE 11 31 64

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-2 TO BM 34-3
BM 34-2													BM 34-2 Pacific Ave and 20th St.
1	210	382	511	5	218 202	16	165	542	466	5	173 157	16	see F.B. 1355-8
2	137	368	438	5	164 110	54 70	179	957	480	5	207 151	56 72	π Kapp
3	132	921	433	5	160 104	56 126	149	715	450	5	177 121	56 128	
4	152	039	453	5	178 126	52 178	157	499	458	5	185 129	56 184	
	632	710					652	713					
BM 34-3													BM 34-3 (Wilmington B-10) Pacific Ave and Hamilton Ave see F.B. 1355-9

Summation of Run
From B.M. 34-2
To B.M. 34-3

Total Backsights = + 632.710
Total Foresights = − 652.713
Diff. Elev. = −20.003

Backsight stadia = 178
Foresight Stadia = 184
Total Stadia = 362 Meters

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

SURVEY BY F. E. Brooks WEATHER Overcast INST. NO. 96716

NOTES BY F. E. Brooks DATE 23 June 1964 TIME 8:45 - 9:00 ROD NO. 9-19

INDEXED DATE NOTES CHKD C. J. GALM DATE 8/27 JUL 31 64

F.B. 2857 PG. 93

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 34-3 TO BM 34-2
BM 34-3													BM 34-3 (Wilmington B-
1	156	552	457	5	182 130	52	150	477	451	5	179 122	57	Pacific Ave and Hamilton Ave see F.B. 1355-9
2	147	539	448	5	176 118	58 110	132	589	433	5	159 105	54 111	π Bustrum
3	174	431	475	5	202 145	57 167	130	172	431	5	157 103	54 165	
4	158	287	459	5	165 150	15 182	203	442	504	5	212 195	17 182	
	636	809					616	680					
BM 34-2													BM 34-2 Pacific Ave and 20th st. see F.B. 1355-8

Summation of Run
From B.M. 34-3
To B.M. 34-2

Total Backsights = + 636.809
Total Foresights = − 616.680
Diff. Elev. = +20.129

Backsight stadia = 182
Foresight Stadia = 182
Total Stadia = 364 meters

F.B. 2851 PG. 34
SURVEY OF LA Co Precise Level Net
SURVEY BY E. E. Brock NOTES FEB
INDEXED C. J. GALLI DATE
JOB NO. 0301.02
WEATHER Clear-Windy INST. NO. 96716
TIME 3:15-3:30 ROD NO. 9-19
NOTES CHKD [illegible] DATE III 31 64

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM34-3 TO BM34-4A
BM34-3													BM 34-3 (L.A. Wilmington B-10)
1	223	403	524	5	236 210	26	75	888	376	5	89 61	28	Pacific Ave and Hamilton
2	247	168	548	5	256 238	18 44	79	899	380	5	86 72	14 42	Ave See F.B. 1355-9
3	251	502	552	5	259 243	16 60	96	113	397	5	105 87	18 60	π Kapp
4	240	038	541	5	259 221	38 98	52	706	353	5	72 32	40 100	
5	266	905	567	5	282 250	32 130	9	560	310	5	24 9	15x2 30 130	
6	244	652	545	5	254 234	20 150	14	462	315	5	24 4	20 150	
7	286	540	587	5	296 276	20 170	20	469	321	5	28 12	16 166	
8	295	749	596	5	299 291	8 178	18	250	319	5	23 13	10 176	
9	295	450	596	5	299 291	8 186	19	611	320	5	24 14	10 186	
10	289	070	590	5	293 285	8 194	10	490	311	5	15 5	10 196	
11	290	758	591	5	295 285	10 204	4	740	305	5	8 4	4x2 8 204	
12	274	856	575	5	278 270	8 212	33	072	334	5	37 29	8 212	
13	286	015	587	5	290 282	8 220	67	301	368	5	72 62	10 222	

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

SURVEY BY E. E. Brooks

NOTES BY E. E. Brooks DATE 23 June 1964

INDEXED DATE

WEATHER Overcast

TIME 9:00 - 10:00

NOTES CHKD C. J. GALL DATE

INST. NO. 96716

ROD NO. 9-19

F.B. 2851 PG. 35

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-3 TO BM 34-4A
						220						222	
14	230	929	531	5	243 217	26 246	36	076	337	5	50 22	28 250	
15	267	562	568	5	275 259	16 262	127	456	428	5	135 119	16 266	
	3990	597					666	093					
BM34-4A													BM 34-4 A Goffey st and 25th st. See F.B. 2851-9

Summation of Run
From B.M. 34-3
To B.M. 34-4A

Total Backsights = + 3990.597
Total Foresights = − 666.093
Diff. Elev. = +3324.504

Backsight stadia = 262
Foresight Stadia = 266
Total Stadia = 528 meters

F.B. 2851 PG. 36

JOB NO. 0301.02

SURVEY OF L.A. Co Precise Level Net

SURVEY BY E. E. Brooks NOTES E. E. Brooks

INDEXED J. J. GALL DATE

WEATHER Overcast INST. NO. 96716

TIME 9:00-10:00 ROD NO. 9-19

NOTES CHKD [illegible] DATE JUL 31 '64

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY E. E. Brooks

NOTES BY K. M. Kepp DATE 6-29-64

INDEXED _____ DATE _____

WEATHER Clear-Windy INST. NO. 96716

TIME 2:05-3:15 ROD NO. 9-19

NOTES CHKD J. GAHL DATE JUL 31 '64

F.B. 2851 PG. 37

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM34-4A TO BM34-3
BM34-4A													BM34-4A Gaffey St. Hamilton Pl and 25th St. see F.B. 2851-9
1	123	722	424	5	131 / 115	16	260	698	561	5	268 / 252	16	
2	25	223	326	5	38 / 11	27 / 43	223	080	524	5	236 / 210	26 / 42	π Bustrum
3	62	207	363	5	68 / 57	11 / 54	280	563	581	5	284 / 276	8 / 50	
4	51	853	352	5	55 / 48	7 / 61	292	602	593	5	297 / 287	10 / 60	
5	4	928	305	5	8 1/2 / 4	4 / 8 / 69	291	877	592	5	296 / 286	10 / 70	
6	10	131	311	5	15 / 5	10 / 79	289	192	590	5	293 / 284	9 / 79	
7	29	109	330	5	33 / 24	9 / 88	285	037	586	5	289 / 280	9 / 88	
8	5	290	306	5	10 1/2 / 5	5 / 10 / 98	285 ~~278~~	650 ~~015~~	586 ~~578~~	5 ~~5~~	289 / 281 ~~281~~ ~~273~~	8 ~~8~~ / 96	
9	6	379	307	5	14 1/2 / 6	8 / 16 / 114	289	872	590	5	299 / 279	20 / 116	
10	13	340	314	5	23 / 3	20 / 1 34	222	531	523	5	232 / 212	20 / 1 36	
11	23	487	324	5	34 / 12	22 / 1 56	284	181	585	5	297 / 270	27 / 1 63	
12	38	603	339	5	62 1/2 / 38	24 / 48 / 2 04	242	098	543	5	263 / 220	43 / 2 06	

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS
				2 04				2 06	FROM BM34-4A TO BM34-3
13	82	833	383 5	92 73 19	238	090	539 5	246 230 16	
				2 23				2 22	
14	67	153	368 5	75 59 16	236	091	537 5	244 228 16	
				2 39				2 38	
15	72	585	373 5	86 58 28	219	868	520 5	233 206 27	
				2 67				2 65	
	616	843			3941	430			
BM34-3									BM34-3 (Wilmington B-101 Pacific Ave and Hamilton A See F.B. 1355-9

Summation of Run
From B.M. 34-4A
To B.M. 34-3

Total Backsights = + 616.843
Total Foresights = − 3941.430
Diff. Elev. = − 3324.587

Backsight stadia = 267
Foresight Stadia = 265
Total Stadia = 532 Meters

F.B. 2851 PG. 38
JOB NO. 0301.02
SURVEY OF L.A.Co Precise Level Net
SURVEY BY E.E. Brock NOTES K.M. Kapp
INDEXED [illegible] DATE
WEATHER Clear-Windy INST. NO. 96710
TIME 2:05-3:15 ROD NO. 9-19
NOTES CHKD [illegible] DATE JUL 31 '64

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

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

SURVEY BY E. E. Brooks WEATHER Hazy-Windy INST. NO. 2C776

NOTES BY E. E. Brooks DATE 27 June 1964 TIME 10:10 - 10:55 ROD NO. 9-19

INDEXED DATE NOTES CHKD L. J. Gahl DATE 7-7-64

F.B. 2851 Pg. 77

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-4A TO BM 34-5A
BM 34-4A													BM 34-4A Gaffey St. Hamilton PL and 25th St. see F.B. 2851-9
1	246	729	546	5	254 236	18	11	140	312	5	13 31	16	
2	292	532	593	5	296 288	6 24	32	861	333	5	37 27	10 26	TKapp
3	286	890	567	5	290 282	6 34	57	132	358	5	61 63	6 34	
4	261	972	562	5	265 257	8 42	38	583	339	5	42 34	8 42	
5	281	249	582	5	286 276	10 52	38	757	379	5	43 33	10 52	
6	289	777	590	5	295 283	12 64	45	463	346	5	51 39	12 64	
7	285	649	586	5	291 279	12 76	57	982	352	5	61 60	14 78	
8	273	802	574	5	283 263	20 96	52	942	353	5	52 42	20 98	
9	273	414	574	5	299 247	52 148	99	602	400	5	123 75	48 146	
10	212	671	513	5	238 186	52 200	96	300	397	5	124 68	56 202	
11	235	557	536	5	266 204	62 262	83	640	384	5	113 53	60 262	
12	233	088	534	5	261 205	56 318	107	629	408	5	137 77	60 322	
	~~3172~~	~~330~~					721	471					

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 2851 PG. 40 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY E. E. Brooks NOTES E. E. Brooks

INDEXED C. L. Gault DATE

WEATHER Hazy-Windy INST. NO. 9-17-64

TIME 10:10 10:33 ROD NO. 9-12

NOTES CHKD Sutton DATE 11-31-64

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
						318						322	FROM BM 34-4A TO BM 34-5A
13	220	522	521	5	248 / 192	56 / 374	121	000	422	5	149 / 93	56 / 378	
14	192	306	493	5	218 / 166	52 / 426	169	649	470	5	192 / 146	46 / 424	✓
	3585	164 ✓					1012	620 ✓					
BM 34-5A													BM 34-5A ST 25th St. and Leland Ave See F.B. 2851-10

Summation of Run

From B.M. 34 - 4A

To B.M. 34 - 5A

Total Backsights = + 3585.1641

Total Foresights = − 1012.6201

Diff. Elev. = +2572.544'

Backsight stadia = 426 ✓

Foresight Stadia = 424 ✓

Total Stadia = 850 Meters

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY E. E. Brooks

NOTES BY FEB DATE 29 June 1964

INDEXED DATE

WEATHER Clear - Windy

TIME 1:00 - 2:00

NOTES CHKD C. J. [illegible] DATE JUL 31 '64

INST. NO. 96716

ROD NO. 9-19

F.B. 2851 PG. 41

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS FROM BM 34-5A TO BM 34-4A
BM 34-5A													BM 34-5A. 25th St. and Leland St. see F.B. 2851-10
1	163	138	464	5	188 / 138	50	185	850	486	5	209 / 161	48	
2	110	535	411	5	139 / 81	58 / 108	209	815	510	5	236 / 182	54 / 102	π Bustrum
3	102	979	403	5	131 / 73	58 / 166	228	572	529	5	257 / 199	58 / 160	
4	77	119	378	5	106 / 48	58 / 224	227	639	528	5	258 / 196	62 / 222	
5	87	709	388	5	114 / 60	54 / 288	205	097	506	5	230 / 178	52 / 274	
6	99	793	400	5	123 / 75	48 / 326	269	135	570	5	295 / 243	52 / 326	
7	42	533	343	5	52 / 32	20 / 346	268	457	569	5	278 / 258	20 / 346	
8	54	198	355	5	61 / 47	14 / 360	255	799	556	5	261 / 249	12 / 358	
9	22	248	323	5	28 / 16	12 / 372	288	249	589	5	294 / 282	12 / 370	
10	25	639	326	5	30 / 20	10 / 382	269	703	570	5	274 / 265	9 / 379	
11	36	667	337	5	40 / 32	8 / 390	262	938	563	5	266 / 258	8 / 387	
12	56	165	357	5	60 / 52	8 / 398	287	573	584	5	287 / 279	8 / 395	

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM34-5A TO BM34-4A
						398						395	BM 34-4A
13	26	762	327	5	31 22	9 407	288	709	589	5	293 284	9 404	Gaffey St., Hamilton Pl and 25th St. See F.B. 2851-9
14	15	167	316	5	22 8	14 421	249	749	550	5	259 240	19 423	
	920	652					3492	285					
BM34-4A													BM 34-4A

Summation of Run
From B.M. 34-5A
To B.M. 34-4A

Total Backsights = + 920.652'
Total Foresights = − 3492.285'
Diff. Elev. = − 2571.633'

Backsight stadia = 421'
Foresight Stadia = 423
Total Stadia = 844 meters

F.B. 2851 PG. 42 JOB NO. 0301.02
SURVEY OF LACo Precise Level Net
SURVEY BY E. E. Brooks NOTES F.E.B.
INDEXED [illegible] DATE
WEATHER Clear - Windy INST. NO. 96716
TIME 1:00 - 2:00 ROD NO. 9-19
NOTES CHKD [illegible] DATE JUL 1 64

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

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

F.B. 2851 Pg. 43

SURVEY BY E. E. Brooks WEATHER Hazy-Windy INST. NO. 2C 770

NOTES BY E. E. Brooks DATE 23 June 1964 TIME 11:00 — 12:00 ROD NO. 9-19

INDEXED DATE NOTES CHKD C. J. CAM DATE 10-30-64

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-5A TO BM 34-6
BM 34-5A													BM 34-5A 25th St. and Leland St. See F.B. 2851-10
1	94	250	395	5	118 70	48	214	141	515	5	239 189	50	
2	95	752	396	5	122 68	54 102	165	684	466	5	193 137	56 106	T Kapp
3	267	271	568	5	276 258	18 120	45	280	346	5	52 38	14 120	
4	286	109	587	5	291 281	10 130	54	668	355	5	59 49	10 130	
5	275	846	576	5	287 269	18 148	54	140	355	5	60 48	12 142	
6	272	690	573	5	278 260	18 166	34	211	335	5	40 28	12 154	
7	277	215	578	5	282 272	10 176	28	317	329	5	34 22	12 166	
8	300	320	601	5	306 294	CK2 12 188	40	260	341	5	44 36	8 174	
9	259	178	560	5	267 255	12 200	43	818	344	5	48 38	10 184	
10	273	449	574	5	278 268	10 210	48	921	349	5	53 43	10 194	
11	281	965	582	5	291 271	20 230	17	746	318	5	27 7	20 214	
12	280	858	681	5	290 270	20 250	42	902	343	5	52 32	20 234	

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA	
						234						234
13	277	928	578	5	287 267	20 254	48	749	349	5	58 38	20 254
14	275	568	576	5	284 266	18 272	39	492	340	5	49 29	20 274
15	295	321	596	5	295 283	12x2 24 296	18	240	319	5	29 7	22 296
16	293	671	594	5	293 282	11x2 22 318	21	280	322	5	33 9	24 320
17	301	068	602	5	301 287	14x2 28 346	7	072	308	5	20 7	13x2 26 346
18	290	901	591	5	302 278	24 370	8	140	309	5	20 8	12x2 24 370
19	252	168	553	5	264 240	24 394	142	700	443	5	154 130	24 394
	4951	528					1076	263				
BM 34-6												

DESCRIPTION AND REMARKS

FROM BM 34-5A TO BM 34-6

Summation of Run
From B.M. 34-5A
To B.M. 34-6

Total Backsights = + 4951.528
Total Foresights = − 1076.263
Diff. Elev. = + 3875.265

Backsight stadia = 394
Foresight Stadia = 394
Total Stadia = 788 Meters

BM 34-6
25th St. near Portsmouth Rd. See F.B. 1355-12

F.B. 2851 PG. 44

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY E. E. Brooks NOTES E. E. Brooks

INDEXED [illegible] DATE

JOB NO. 0301.02

WEATHER Hazy-Windy INST. NO. 96716

TIME 11:00-12:00 ROD NO. 9-19

NOTES CHKD [illegible] DATE III 31 '64

76P526B CE # 308 6-59

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LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY E. E. Brooks WEATHER Clear INST. NO. 2276

NOTES BY K. M. Kapp DATE 6-27-64 TIME 10:25-11:55 ROD NO. 9-19

INDEXED DATE NOTES CHKD C. J. DATE JUL 31 '64

F.B. 1355 Pg. 45

STATION	BACKSIGHT					FORESIGHT					DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT	STADIA		RIGHT	MIC.	LEFT	STADIA		FROM BM 34-C TO BM 34-5A
BM 34-C											BM 34-C 25 Th St. near Portsmouth Rd. See F.B. 1355-12
1	136	540	437	5	148 124 24	245	718	546	5	256 233 23	
2	8	211	309	5	20 8 12½ 24 48	268 ~~258~~	711 ~~835~~	569 ~~569~~	5 5	279 256 23 ~~270~~ ~~246~~ ~~24~~ 46	T Bustrum (-10)
3	7	161	308	5	20 7 12 13 26 74	291	251	592	5	291 277 12 14 28 74	
4	30	193	331	5	44 16 28 102	272	340	573	5	285 259 26 100	
5	10	033	311	5	22 10 12 24 126	292	113	593	5	292 280 12 12 24 124	
6	6	218	307	5	18 6 12 24 150	300	668	601	5	300 288 12 12 24 148	
7	43	875	344	5	53 34 19 169	272	573	573	5	282 262 20 168	
8	39	175	340	5	48 29 19 188	277	313	578	5	287 267 20 188	
9	15	177	316	5	24 5 19 207	279	791	580	5	289 269 20 208	
10	49	831	350	5	54 44 10 217	268	088 ~~813~~	569	5	273 263 10 218	
11	43	663	344	5	47 39 8 225	265	051	566	5	270 260 10 228	
12	27	262	328	5	32 22 10 235	279	295	580	5	284 274 10 238	

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LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA
				235				238
13	8	829	309 5	14 1/2 6 / 8 12 / 247	265	631	566 5	270 / 260 10 / 248
14	35	249	336 5	41 / 29 12 / 259	271	163	572 5	277 / 265 12 / 260
15	47	775	348 5	53 / 42 11 / 270	272	241	573 5	278 / 266 12 / 272
16	52	667	353 5	58 / 47 11 / 281	272	569	573 5	278 / 267 11 / 283
17	8	617	309 5	16 1/2 8 / 8 16 / 297	241	645	542 5	250 / 233 17 / 300
18	159	425	460 5	188 / 130 58 / 355	86	530	387 5	112 / 60 52 / 352
19	202	643	503 5	226 / 178 48 / 403	85	509	386 5	110 / 60 50 / 402
	932	~~013~~ 544			4808	200		
BM34-5A								

DESCRIPTION AND REMARKS

FROM BM34-6 TO BM34-5A

Summation of Run
From B.M. 34-6
To B.M. 34-5A

N.G.

Total Backsights = + 932.~~013~~ 544
Total Foresights = − 4808.200
Diff. Elev. = − 3875 ~~187~~ .656
Backsight stadia = 403
Foresight Stadia = 402
Total Stadia = 805 Meters

BM34-5A
25th St. and Leland St
See F.B. 2851-10

F.B. 2851 PG. 46
JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES K.M. Kapp
INDEXED [illegible] DATE
WEATHER Clear INST. NO. 96716
TIME 10:25-11:55 ROD NO. 9-69
NOTES CHKD [illegible] DATE JUL 31 '64

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY F. E. Brooks

NOTES BY F.E.B. DATE 30 June 1964

INDEXED DATE

WEATHER Clear

TIME 8:50 - 9:45

NOTES CHKD [illegible] DATE JUL 31 '64

F.B. 2851 PG. 46A

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS FROM BM34-6 TO BM34-5A
BM34-6													BM34-6
1	141	851	442	5	153 129	24	251	041	552	5	263 239	24	25th St. near Portsmouth Rd. see F.B. 1355-12
2	54	027	355	5	66 42	24 48	301	603	602	5	300 290	10x2 20 44	π Kapp
3	12	260	313	5	25 12	13x2 26 74	296	470	597	5	296 281	15x2 30 74	
4	27	413	328	5	41 13	28 102	299	350	600	5	299 287	12x2 24 98	
5	45	820	346	5	54 36	18 120	287	848	588	5	298 276	22 120	
6	9	069	310	5	21 9	12x2 24 144	293	936	594	5	293 282	11x2 22 142	
7	32	982	333	5	43 21	22 166	293	202	594	5	293 282	11x2 22 164	
8	14	900	315	5	26 14	12x2 24 190	298	539	599	5	298 288	10x2 20 184	
9	29	541	330	5	38 20	18 208	283	342	584	5	295 271	24 208	
10	56	761	357	5	63 49	14 222	246	981	547	5	252 240	12 220	
11	49	879	350	5	54 44	10 232	265	628	566	5	270 260	10 230	
12	30	200	331	5	35 25	10 242	284	450	585	5	289 279	10 240	

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 2951 PG. 46 B JOB NO. 3301.02

SURVEY OF L.A.C.B. Precise Level Net

SURVEY BY E.E. Brooks NOTES FEB

INDEXED DATE

WEATHER Clear INST. NO. 96.774

TIME 8:50 - 9:45 ROD NO. 9-19

NOTES CHKD DATE JAN 31 '64

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 34-6 TO BM 34-5A
13	23	680	524	5	28 / 18	10 / 252	291	771	582	5	286 / 276	10 / 252	Summation of Rur From B.M. 34-6 To B.M. 34-5A
14	44	511	345	5	50 / 38	12 / 264	276	727	577	5	282 / 270	12 / 264	
15	51	067	352	5	56 / 46	10 / 274	275	524	576	5	280 / 270	10 / 274	Total backsights = + 1098.867 ✓
16	55	675	356	5	60 / 60	10 / 284	300	040	601	5	311 / 297	14 / 288	Total Foresights = − 4973.966 ✓
17	39	460	340	5	46 / 32	14 / 298	247	890	548	5	255 / 239	16 / 304	Diff. Elev. = − 3875.099 ✓
18	165	401	466	5	194 / 132	58 / 356	91	959	392	5	118 / 64	54 / 358	Backsight stadia = 404 ✓
19	214	462	515	5	238 / 190	48 / 404	97	669	398	5	121 / 73	48 / 404	Foresight Stadia = 404 ✓
	1098	867	✓	—			4973	966	✓				Total Stadia = 808 meters
BM 34-5A													BM 34-5A 25th St. and Leland St. See F.B. 2951-10

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-6 TO BM 34-7A
BM 34-6													BM 34-6
1	273	495	574	5	297 / 249	48	138	170	439	5	161 / 115	46	25th St. ~~on~~ near Portsmouth Rd. see F.B. 1355-12
2	710	239	412	5	133 / 89	44 / 92	267	249	568	5	290 / 244	46 / 92	π Kapp
3	72	898	373	5	93 / 51	42 / 134	230	840	531	5	252 / 208	44 / 136	
4	69	301	370	5	88 / 50	38 / 172	296	293	597	5	296 / 280	16x2 / 32 / 168	Summation of Rui From B.M. 34-6 To B.M. 34-7A
	526	933 ✓					932	552 ✓					
BM 34-7A													BM 34-7A 25th St. and Western Ave see F.B. 2851-11

Total Backsights = + 526.933 ✓
Total Foresights = − 932.552 ✓
Diff. Elev. = − 405.619 ✓

Backsight stadia = 172 ✓
Foresight Stadia = 168 ✓
Total Stadia = 340 ✓ meters

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

SURVEY BY E. E. Brooks

NOTES BY E. E. Brooks DATE JUN 23 1964

INDEXED DATE

WEATHER Hazy-Windy TIME 1:35-1:50 NOTES CHKD [illegible] DATE JUL 30 '64

INST. NO. 9671 ROD NO. 9-19

F.B. 2851 PG. 47

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM34-7A TO BM34-6
BM34-7A													BM34-7A
													25th st. and Western Ave
1	290	643	591	5	290 / 274	16 / 32	63	965	364	5	81 / 45	36	See F.B. 2851-11
2	231	358	532	5	252 / 208	44 / 76	72	467	373	5	92 / 52	40 / 76	π Bustrum
3	254	991	555	5	277 / 232	45 / 121	99	783	400	5	122 / 76	46 / 122	
4	130	862	431	5	153 / 108	45 / 166	266	209	567	5	290 / 242	48 / 170	
	907	854					502	424					
BM34-6													BM34-6
													25th st ~~and~~ near Ports mo
													Dr. See F.B. 1355-12

Summation of Run
From B.M. 34 - 7A
To B.M. 34 - 6

Total Backsights = + 907.854
Total Foresights = − 502.424
Diff. Elev. = + 405.430

Backsight stadia = 166
Foresight Stadia = 170
Total Stadia = 336 Meters

F.B. 2851 PG. 48 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brook NOTES K. M. Kapp
INDEXED R. J. GAITI DATE

WEATHER Clear INST. NO. 96716
TIME 10:05-10:20 ROD NO. 9-19
NOTES CHKD [illegible] DATE 11 31 '64

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-7A TO BM 34-7
BM34-7A													BM 34-7A
													25th St. and Western Ave
	141	199	442	5	157 129	24	204	449	505	5	217 191	26	See F.B. 2851-11
													T Kapp
BM34-7													BM 34-7
													25th St. and Western Ave
													see F.B. 1355-14

Summation of Run
From B.M. 34-7A
To B.M. 34-7

Total Backsights = + 141.199
Total Foresights = − 204.449
Diff. Elev. = −63.250

Backsight stadia = 24
Foresight Stadia = 26
Total Stadia = 50 meters

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

SURVEY BY E. E. Brooks DATE 23 June 1964 WEATHER Hazy-Windy INST. NO. 9671

NOTES BY E. E. Brooks DATE TIME 1:55 ROD NO. 9-19

INDEXED DATE NOTES CHKD G. J. GAIN DATE 3 30 64

F.B. 2851 PG. 49

163
25

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM34-7 TO BM34-7A
BM 34-7													BM34-7
													25th St near Western Ave
1	196	575	497	5	108 83	25	133	321	434	5	145 121	24	See F.B. 1355-14
													T. Bustrum
BM34-7A													BM34-7A
													25th St and Western Ave
													See F.B. 2851-11

Summation of Run
From B.M. 34-7
To B.M. 34-7A

Total Backsights = + 196.575
Total Foresights = − 133.321
Diff. Elev. = +63.254

Backsight stadia = 25
Foresight Stadia = 24
Total Stadia = 49 Meters

WEATHER Clear INST. NO. 96916
TIME 10:00 ROD NO. 9-19
NOTES CHKD [illegible] DATE 31 '64

F.B. 2851 PG. 50 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES K.M. Kapp
INDEXED [illegible] DATE

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM34-7 TO BM34-~~8A~~ 7B
BM34-7													BM 34-7
													25th St. near Western Ave
1	225	601	526	5	251 / 179	52	195	099	496	5	219 / 171	48	See F.B. 1355-14
2	176	491	477	5	194 / 158	36 / 88	120	500	421	5	141 / 99	42 / 90	✓ π Kapp
	402	092	✓				315	599	✓				
BM34-~~8A~~ 7B													BM34-~~8A~~ 7B
													25th St. and Moray Ave
													See F.B. 2851-12

Summation of Run
From B.M. 34-7
To B.M. 34-7B

N.G.

Total Backsights = + 402.092
Total Foresights = − 315.599
Diff. Elev. = +86.493

Backsight stadia = 88
Foresight Stadia = 90
Total Stadia = 178 Meters

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

SURVEY BY L. E. Brooks

NOTES BY L. E. Brooks DATE 23 June 1964

INDEXED DATE

WEATHER Hazy-Windy INST. NO. 96716

TIME 2:00-2:10 ROD NO. 9-19

NOTES CHKD C. J. GAULL DATE JUL 30 '64

F.B. 2851 PG. 51

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-7B TO BM 34-7
BM 34-7B													BM 34-7B 25th St and Moray Ave
1	115	458	416	5	135 95	40	169	449	470	5	188 150	38	See F.B. 2851-12
2	183	559	484	5	183 159	1/2 24 48 88	215	778	516	5	241 189	52 90	⊼ Bustrum
	299	017					385	227					
BM 34-7													BM 34-7 25th St and Western Ave See F.B. 1355-14

Summation of Run
From B.M. 34-7B
To B.M. 34-7

Total Backsights = + 299.017
Total Foresights = − 385.227
Diff. Elev. = −86.210

Backsight stadia = 88
Foresight Stadia = 90
Total Stadia = 178 meters

F.B. 2851 PG. 52 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES K. M. Kapp
INDEXED [illegible] DATE

WEATHER Clear INST. NO. 96716
TIME 9:45 - 9:55 ROD NO. 9-19
NOTES CHKD [illegible] DATE JUL 31 '64

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM34-7 TO BM34-7B
BM34-7													BM 34-7 25Th St. and Western Ave
1	212	295	513	5	233 191	42	179	160	480	5	202 152	46	see F.B. 1355-14
2	178	169	479	5	198 158	40 82	124	947	425	5	144 104	40 86	✓ ⊼ Kapp.
	390	464	✓				304	107	✓				
BM34-7B													BM 34-7B 25Th St. and Moray Ave see F.B. 2851-12

Summation of Run
From B.M. 34-7
To B.M. 34-7B

Total Backsights = + 390.464 ✓
Total Foresights = − 304.107 ✓
Diff. Elev. = + 86.357 ✓

Backsight stadia = 82 ✓
Foresight Stadia = 86 ✓
Total Stadia = 168 meters

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

SURVEY BY F.E. Brooks

NOTES BY FEB DATE ~~FEB~~ 30 June 64 WEATHER Clear TIME 10:10 - 10:15 INST. NO. 96716

INDEXED DATE NOTES CHKD J. GAIN DATE JUL 31 '64 ROD NO. 9-19

F.B. 2851 PG. 52A

76P526B CE # 308 8-59

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

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

Do not extend notes this side of this line.

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

SURVEY BY E. E. Brooks WEATHER Hazy-Windy INST. NO. 2770

NOTES BY E. E. Brooks DATE 23 June 1964 TIME 2:10 - 2:35 ROD NO. 2-19

INDEXED DATE NOTES CHKD C. J. GAM DATE JUL 31 '64

F.B. 2851 Pg. 59

STATION	BACKSIGHT					FORESIGHT					DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA	RIGHT	MIC.	LEFT		STADIA	FROM BM 34-~~8B~~ TO BM 34-8A
BM 34-~~8A~~ 7B											BM 34-~~8A~~ 7B 25th St and Moray Ave See F.B. 2851-12
1	238	798	539	5	249 227 22	88	998	389	5	99 77 22	
2	244	396	545	5	258 230 28 50	69	192	370	5	83 55 28 50	T Kapp
3	248	740	549	5	262 234 28 78	77	145	378	5	91 63 28 78	
4	247	791	548	5	260 234 26 104	83	061	384	5	88 60 28 106	Summation of Rw From B.M. 34-7B To B.M. 34-8A
5	219	220	520	5	233 206 27 131	136	290	437	5	140 124 24 130	
6	157	656	458	5	180 134 46 176	227	435	528	5	250 204 46 176	Total Backsights = + 1425.745' Total Foresights = — 968.651' Diff. Elev. = +457.094'
7	69	142	370	5	96 62 34 210	288	530	584	5	286 252 34 210	Backsight stadia = 212' Foresight Stadia = 210' Total Stadia = 422' Meters
	1425	745				968	651				
BM 34-8A											BM 34-8A 25th St. and Gunnell Ave See F.B. 2851-13

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-8A TO BM 34-7B
BM 34-8A													BM 34-8A 25th St. and Gunnell Ave see F.B. 2851-13
1	261	428	562	5	278 244	34	44	052	345	5	61 26	35	
2	216	819	517	5	238 194	44 78	147	747	448	5	170 124	46 81	π Bustrum
3	124	373	425	5	138 110	28 106	206	037	507	5	219 193	26 107	Summation of Run From B.M. 34-8A To B.M. 34-7B
4	74	620	375	5	87 60	27 133	239	058	540	5	252 225	27 134	Total Backsights = + 888.977
5	68	519	369	5	82 54	28 161	240	505	541	5	254 226	28 162	Total Foresights = −1346.147 Diff. Elev. = −457.170
6	62	381	363	5	76 48	28 189	237	415	538	5	251 224	27 189	Backsight stadia = 211
7	80	837	381	5	91 69	22 211	231	333	532	5	242 220	22 211	Foresight Stadia = 211 Total Stadia = 422 meters
	888	977					1346	147					
BM 34-7B													BM 34-7B 25th St. and Moray Ave see F.B. 2851-12

F.B. 2851 PG. 54

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY R. E. Brooks NOTES K.M. Kapp

INDEXED [illegible] DATE

WEATHER Clear INST. NO. 9671

TIME 9:15-9:45 ROD NO. 9-19

NOTES CHKD [illegible] DATE 11 31 64

76P526B CE # 308 8-59

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks WEATHER Hazy - Windy INST. NO. 2172
NOTES BY E. E. Brooks DATE 23 June 1964 TIME 2:40 - ROD NO. 2-18
INDEXED DATE NOTES CHKD DATE
F.B. 2851 Pg. 53

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT	STADIA	RIGHT	MIC.	LEFT	STADIA	FROM BM 34-8A TO BM 34-8
BM 34-8A									BM 34-8A
T	~~404~~	~~731~~	~~405~~ 5	~~122~~ 86 36	264	840	562 5	280 242 38	25th St. and Gunnell Ave
									See F.B. 2851-13
I	65	159	366 5	84 46 38	273	950	574 5	291 256 36	T Katp
BM 34-8									BM 34-8
									25th St near end of 26th St.
									See F.B. 1355-14
									Summation of Rem
									From B.M. 34-8A
									To B.M. 34-8
									Total Backsights = + 65. 159
									Total Foresights = - 273.950
									Diff. Elev. = - 208.791
									Backsight stadia = 38
									Foresight Stadia = 36
									Total Stadia = 74 Meters

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-8 TO BM 34-8A
BM 34-8													BM 34-8
													25th st near end of 26th st
/	272	245	573	5	291 253	38	63	411	364	5	82 44	38	see F.B. 1355-14
													⊼ Bustrum
BM 34-8A													BM 34-8A
													25th st. and Gunnell Ave
													see F.B. ~~1355-14~~ 2851-13

Summation of Run
From B.M. 34-8
To B.M. 34-8A

Total Backsights = + 272.245 ✓
Total Foresights = − 63.411 ✓
Diff. Elev. = +208.834 ✓

Backsight stadia = 38 ✓
Foresight Stadia = 38 ✓
Total Stadia = 76 ✓ Meters

F.B. 2851 PG. 52 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY R. E. Brooks NOTES K. M. Kapp

INDEXED C. J. GAIT DATE

WEATHER Clear INST. NO. 96716

TIME 9:05 ROD NO. 9-19

NOTES CHKD [illegible] DATE JUL 31 '64

76P526B CE # 308 8-59

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

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

Do not extend notes this side of this line.

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

SURVEY BY E. E. Brooks WEATHER Hazy - windy INST. NO. 9816

NOTES BY E. E. Brooks DATE JUN 2 3 1964 TIME 2:15 - 3:00 ROD NO. 2-19

INDEXED DATE NOTES CHKD E. V. GAU DATE JUN 30 64

F.B. 1351 Pg. 57

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-8 TO BM 34-8B
BM 34-8													BM 34-8 25th St. near end of 24th St.
1	107	860	408	5	121 107	14 28	212	429	513	5	226 198	28	See F. B. 1355-14
2	203	076	504	5	220 182	38 26	089	855	390	5	106	34 26	/ T Kapp
	310	936	/				302	284	/				
BM 34-8B													BM 34-8B 25th St. and Anchovy Ave see F.B. 2851-14

Summation of Run
From B.M. 34 - 8
To B.M. 34-8 B

Total Backsights = + 310.936'
Total Foresights = − 302.284'
Diff. Elev. = +8.652'

Backsight stadia = 62'
Foresight Stadia = 62'
Total Stadia = 124' Meters

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 1951 PG. 58 JOB NO. 0301.02

SURVEY OF E.A. Co. Precise Level Net

SURVEY BY K. E. Brooks NOTES K. M. Kapp DATE

INDEXED J. J. [illegible] DATE

WEATHER Clear INST. NO. 9676

TIME 8:55-9:05 ROD NO. 9-19

NOTES CHKD. DLZ DATE JUL 31 '64

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-8B TO BM 34-8
BM 34-8B													BM 34-8B
													25th St and Anchovy Ave
1	82	412	383	5	97 / 65	32	195	683	496	5	246 / 198	34	see F.B. 2951-14
2	205	202	506	5	219 / 191	28	100	639	401	5	114 / 100	14 / 28	T Bustrum
						60 ✓						62 ✓	
	287	614	✓				296	322	✓				
BM 34-8													BM 34-8
													25th St. ~~and~~ near end of 26th St. see FB 1355-1

Summation of Run
From B.M. 34-8B
To B.M. 34-8

Total Backsights = + 287.614 ✓
Total Foresights = − 296.322 ✓
Diff. Elev. = − 8.708 ✓

Backsight stadia = 60 ✓
Foresight Stadia = 62 ✓
Total Stadia = 122 ✓ Meters

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 34-8B TO BM 34-9
BM 34-8B													BM 34-8B
1	270	841	571	5	285 / 255	30	75	437	376	5	91 / 59	32	25th St. and Anchovy Ave see F.B. 2851-14
2	247	168	548	5	264 / 230	34 / 64	66	532	367	5	83 / 49	34 / 66	
3	241	125	542	5	267 / 215	52 / 116	108	269	409	5	134 / 82	52 / 118	T. Kapp
4	220	469	521	5	244 / 196	48 / 164	97	161	398	5	123 / 71	52 / 170	Summation of Run From B.M. 34-8B To B.M. 34-9
5	231	028	532	5	258 / 204	54 / 218	102	653	403	5	123 / 81	42 / 212	
6	217	279	518	5	241 / 193	48 / 266	174	420	475	5	199 / 149	50 / 262	Total Backsights = + 1587.605
7	55	920	356	5	78 / 32	46 / 312	245	335	546	5	270 / 220	50 / 312	Total Foresights = − 953.607
8	103	775	404	5	118 / 88	30 / 342	83	800	384	5	99 / 67	32 / 344	Diff. Elev. = + 633.998
	1587	605					953	607					Backsight stadia = 342
													Foresight Stadia = 344
													Total Stadia = 686 meters
BM 34-9													BM 34-9 (U.S.C.&G.S.) P. 787 25th St. 1.0 Mile w. of Western Ave. see F.B. 1355-15

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

SURVEY BY P.E. Brooks

NOTES BY M. Bustrum DATE 6-30-64

INDEXED DATE

WEATHER Clear

TIME 10:25-11:00

NOTES CHKD C. J. GAUN DATE 6-30-64

INST. NO. 9671

ROD NO. 9-1

F.B. 2851 PG. 59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA	
BM 34-9												
1	83	795	384	5	99 / 67	32	104	672	405	5	119 / 89	30
2	237	638	538	5	262 / 212	50 / 82	47	692	348	5	72 / 22	50 / 80
3	177	808	478	5	202 / 152	50 / 132	222	700	523	5	246 / 198	48 / 128
4	100	508	401	5	122 / 78	44 / 176	224	955	525	5	249 / 199	50 / 178
5	96	078	397	5	122 / 70	52 / 228	220	184	521	5	245 / 195	50 / 228
6	105	119	406	5	131 / 79	52 / 280	237	250	538	5	263 / 211	52 / 280
7	68	419	369	5	85 / 51	34 / 314	250	415	551	5	267 / 233	34 / 314
8	80	421	381	5	96 / 64	32 / 346	275	959	576	5	290 / 260	30 / 344
	~~863~~ 949	~~386~~ 786					1583	827				
BM 34-8B												

DESCRIPTION AND REMARKS

FROM BM-34-9 TO BM 34-8B

BM 34-9 (U.S.C&G.S.) P76
25th St. 1.0 Mile W.
of Western Ave
See F.B 1355-15

T Kapp

Summation of Exp
From B.M. 34-9
To B.M. 34-8B

Total Backsights = + ~~863.386~~ 949.786
Total Foresights = − 1583.827
Diff. Elev. = ~~720.441~~ −634.041

Backsight stadia = 346
Foresight Stadia = 344
Total Stadia = 690 meters

BM 34-8B
25th St & Anchovy Ave
See FB 2851-14

F.B. 2851 PG. 60
JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY F. E. Brooks NOTES M. Bustrum
INDEXED R. J. GALLI DATE
WEATHER Clear INST. NO. 9281 6
TIME 11:20-12:10 ROD NO. 9-19
NOTES CHKD [illegible] DATE 11 31 '64

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

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

SURVEY BY F. E. Brooks WEATHER Clear INST. NO. 2424

NOTES BY E. E. Brooks DATE June 1964 TIME 1110 ROD NO. 8-19

INDEXED DATE NOTES CHKD. J. GAU DATE

F.B. 2851 PG. 21

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM34-9 TO BM34-9A
BM34-9									BM34-9 (USC&GS P 787) 25th St. 1.0 mile W. of Western Ave See F.B. 1355-15
1	27	060	3285	46/8 36	133	177/66	4345	151/115 36	
2	149	935	4505	167/131 36/74	190	209	4915	208/172 36/72	A Kopp
BM34-9A	176	995			323	886			BM34-9A 26th St. 0.3mi E. of Pacific Tele. Radio Sta. See F.B. 2851-15

Summation of Elev
From B.M. 34-9
To B.M. 34-9A

Total Backsights = + 176.995
Total Foresights = − 323.886
Diff. Elev. = −53.109
−146.891

Backsight stadia = 74
Foresight Stadia = 72
Total Stadia = 146 meters

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 34-9A TO BM34-9
BM34-9A													BM34-9A 25th St. 0.3mi E. of Pacific Tele. Radio sta. See F.B. 2851-15
1	191	280	492	5	209 173	36	152	631	453	5	170 134	36	
2	140	190	441	5	158 122	36 72	31	871	332	5	50 12	38 74	✓
	331	470 ✓					184	502 ✓					⊼ Kapp
BM34-9													BM34-9 25th St. 1.0 mile W. of Western Ave. See F.B. 1355-15

Summation of Run
From B.M. 34-9A
To B.M. 34-9

Total Backsights = + 331.470 ✓
Total Foresights = − 184.502 ✓
Diff. Elev. = +146.968 ✓

Backsight stadia = 72 ✓
Foresight Stadia = 74 ✓
Total Stadia = 146 meters

F.B. 2851 PG. 62

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY F. E. Brooks NOTES F. E. Brooks

INDEXED C. J. CALL DATE

WEATHER Clear INST. NO. 96716

TIME 11:25-11:30 ROD NO. 9-19

NOTES CHKD [signature] DATE AUG 3 '64

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

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

SURVEY BY E. E. Brooks WEATHER Clear INST. NO. 26716

NOTES BY F.E.B. DATE 30 June 1964 TIME 11:15 - 11:40 ROD NO. 8-19

INDEXED DATE NOTES CHKD C. J. GAU DATE AUG 3 '64

F.B. 2851 Pg. 63

FROM BM 34-9A TO BM 34-10

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS
BM 34-9A									BM 34-9A 25th St. 0.3 mile E. of Pacific Tele. Radio sta. See F.B. 2851-15
1	146	999	449 5	172 / 120 — 52	164	711	465 5	189 / 139 — 50	
2	123	511	424 6	147 / 99 — 48 / 100	218	796	519 6	240 / 196 — 44 / 94	T Kapp
3	133	590	434 5	158 / 108 — 50 / 150	130	232	431 5	154 / 106 — 48 / 142	
4	221	662	622 5	237 / 205 — 32 / 182	68	878	369 5	97 / 59 — 38 / 180	
5	249	031	550 5	268 / 230 — 38 / 220	107	270	408 5	130 / 84 — 46 / 226	
	874	793			689	887			
BM 34-9A									BM 34-9D 25th St. at Pacific Tele. Radio Sta. See F.B. 1355-16

Summation of Run
From B.M. 34-9
To B.M. 34-10

Total Backsights = PP 874.793'
Total Foresights = — 689.887'
Diff. Elev. = + 184.906'

Backsight stadia = 220'
Foresight Stadia = 226'
Total Stadia = 446 meters

AG 3 '64

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM34-10 TO BM34-9A
BM34-10													BM34-10
1	115	222	416	5	136 / 94	42	257	649	558	5	278 / 236	42	25th St. at Pacific Tele. Radio Sta See F.B. 1355-16
2	81	255	382	5	99 / 63	36 / 78	228	544	529	5	246 / 210	36 / 78	π Kapp
3	122	825	423	5	148 / 96	52 / 130	135	539	436	5	159 / 111	48 / 126	
4	219	540	520	5	240 / 198	42 / 172	119	721	420	5	144 / 94	50 / 176	
5	176	273	477	5	202 / 150	52 / 224	158	422	459	5	182 / 134	48 / 224	
	715	115					899	875					
BM34-9													BM34-9A 25th St. 0.3 mi E. of Pacific Tele. Radio Sta. See F.B. 2851-15

Summation of Exp
From B.M. 34-10
To B.M. 34-9A

Total Backsights = 715.115
Total Foresights = 899.875
Diff. Elev. = 184.760

Backsight stadia = 224
Foresight Stadia = 224
Total Stadia = 448 meters

F.B. 2851 PG. 64

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY F. E. Brooks NOTES FEB

INDEXED R. J. GALL DATE

JOB NO. 0301.02

WEATHER Clear INST. NO. 96716

TIME 11:00-11:15 ROD NO. 9-19

NOTES CHKD [illegible] DATE AUG 3 '64

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA	
BM 34-10												
1	190	205	491	5	216 164	52	217	241	518	5	243 191	52
2	190	931	491	5	214 166	48 100	127	251	428	5	150 104	46 98
3	136	551	437	5	160 112	48 148	3	174	304	5	22 3	19 38 136
4	273	724	574	5	286 260	26 174	23	830	324	5	40 6	34 170
5	170	228	471	5	190 150	40 214	158	632	459	5	180 136	44 214
6	143	470	444	5	159 127	32 246	197	035	498	5	212 182	30 244
	1105	109					727	163				
BM 34-12												

DESCRIPTION AND REMARKS

FROM BM34-10 TO BM34-12

BM34-10 (USC&GS N787)
25th st. aprox 0.25 miles E'ly
of Palos Verdes Dr. E.
see F.B. 1355-16

π Kapp

Summation of Run
From B.M. 34-10
To B.M. 34-12

BM 34-12
Palos Verdes Dr. S. near
Palos Verdes Dr E.
See FB 1355-17

Total Backsights = 1105 109
Total Foresights = − 727 163
Diff. Elev. = + 377.946

Backsight stadia = 246
Foresight Stadia = 244
Total Stadia = 490 meters

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

SURVEY BY E. E. Brook

NOTES BY M. Bustrum DATE 6-30-64

INDEXED DATE

WEATHER clear

TIME 1:00 - 1:25

NOTES CHKD L. J. GAL DATE

INST. NO. 9676

ROD NO. 9-19

F.B. 2851 Pg. 65

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT					
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA	
BM 34-12												
1	207	799	508	5	222 192	30	154	066	455	5	170 138	32
2	159	952	460	5	180 138	42	171	848	472	5	192 150	42
3	52	012	353	5	68 36	72 32	301	555	602	5	301 285 x2	74 16 32
4	8	719	309	5	28 8 x2	104 20 40	141	280	442	5	165 117	106 48
5	119	080	420	5	144 94	144 50	182	532	483	5	204 160	154 44
6	235	196	536	5	262 208	194 54	209	228	510	5	234 184	198 50
	782	758				248	1160	509				248
BM 34-10												

DESCRIPTION AND REMARKS

FROM BM 34-12 TO BM 34-10

BM 34-12
Palos Verdes Dr. S
near Palos Verdes Dr
E.
See FB. 1355-17

Summation of Run
From B.M. 34-12
To B.M. 34-10

Total Backsights = + 782.758
Total Foresights = − 1160.509
Diff. Elev. = − 377.751

Backsight stadia = ~~782.758~~
Foresight Stadia = ~~1160.509~~
Total Stadia = ~~377.751~~
Backsight stadia = 248
Foresight Stadia = 248
Total Stadia = 496 meters

BM 34-10 (US C&GS) N 78
25th st approx. 0.25 miles
E'ly of Palos Verdes Dr. E

See FB 1355-16

F.B. 2851 PG. 66
JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES M. Bustrum
INDEXED C. J. GALLE DATE
WEATHER clear INST. NO. 96716
TIME 10:40-11:00 ROD NO. 9-19
NOTES CHKD [illegible] DATE AUG 3 '64

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-12 TO BM 34-11
BM 34-12													BM 34-12
1	186	681	487	5	196 176	20	170	452	471	5	180 160	20	Palos Verdes Dr. S. near Palos Verdes Dr. E. see F.B. 1355-17
													π Kapp
BM-34-11													BM 34-11 (U.S.C&G.S.) U.168 Palos Verdes Dr. S. near Palos Verdes Dr. E. See F.B. 1355-17

Summation of Run
From B.M. 34-12
To B.M. 34-11

Total Backsights = + 186.681
Total Foresights = − 170.452
Diff. Elev. = + 16.229

Backsight stadia = 20
Foresight Stadia = 20
Total Stadia = 40 meters

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

SURVEY BY F. E. Brooks WEATHER Clear INST. NO. 96716

NOTES BY M. Bustrum DATE 6-30-64 TIME 1:25-1:30 ROD NO. 9-19

INDEXED DATE NOTES CHKD J. GAM DATE AUG 3 '64

F.B. 2851 PG. 69

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-11 TO BM 34-12
BM 34-11													BM 34-11 (U.S.C.&G.S.) U 168 Palos Verdes Dr. S. near palos Verdes Dr. E. See F.B. 1355-17
	170	580	471	5	180 160	20	186	809	487	5	196 176	20	
													Summation of Run From B.M. 34-11 To B.M. 34-12
													Total Backsights = + 170.580
													Total Foresights = − 186.809
													Diff. Elev. = − 16.229
													Backsight stadia = 20
													Foresight Stadia = 20
													Total Stadia = 40 meters
BM 34-12													BM 34-12 Palos Verdes Dr. S. near palos Verdes Dr. E. See F.B. 1355-17

F.B. 2851 PG. 28

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY E.E. Brooks NOTES F.E.B.

INDEXED [illegible] DATE

WEATHER Clear INST. NO. 91.716

TIME 10:30 ROD NO. 9-19

NOTES CHKD [illegible] DATE AUG 3 '64

76P526B CE # 308 8-59

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

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

Do not extend notes this side of this line.

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

SURVEY BY F.E.B. DATE 30 June 1964 WEATHER Clear - Windy INST. NO. 9711

NOTES BY F.E.B. TIME 1:30 - 2:15 ROD NO. 9-19

INDEXED DATE NOTES CHKD C. J. GALE DATE AUG 3 '64

F.B. 2857 Pg. 69

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-11 TO BM 34-13
BM 34-11													BM 34-11 (USC&GS V168)
1	124	691	425	5	144 184	40	234	892	535	5	256 212	44	Palos Verdes Dr. S. near Palos Verdes Dr. E. see F.B. 1355-17
2	24	701	325	5	39 9	30 70	295	726	596	5	295 282	13 26 40	π Kapp
3	24	267	325	5	36 12	24 94	270	917	571	5	281 259	22 92	
4	22	333	323	5	34 10	24 118	253	775	554	5	264 240	24 116	
5	54	319	355	5	67 41	26 144	236	310	537	5	249 223	26 144	
6	76	578	377	5	99 63	36 180	245	368	546	5	258 232	26 180	
7	48	631	349	5	85 51	34 214	247	463	548	5	263 231	32 212	
8	37	680	338	5	55 19	36 240	295	540	596	5	295 276	19 78 240	
9	50	176	351	5	66 34	32 272	270	122	571	5	286 254	32 272	
10	63	442	364	5	79 47	32 304	276	349	577	5	292 260	32 304	
11	52	488	353	5	68 37	31 335	256	342	557	5	271 241	30 334	
12	50	462	351	5	65 35	30 365	255	732	556	5	270 240	30 364	

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 1355 PG. 18 JOB NO.

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY F. E. Brooks NOTES F. E. Brooks

INDEXED R. J. Gault DATE

WEATHER Clear - Windy INST. NO.

TIME 1:30 - 2:15 ROD NO.

NOTES CHKD [illegible] DATE AUG 3 '64

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-11 TO BM 34-13
13	95	966	396	5	103 87	365 16 381	194	420	495	5	202 182	364 16 380	✓
	725.	954	✓				3332	956	✓				
BM 34-13													BM 34-13 (USC&GS V 787) Palos Verdes, Dr. S. 0.1 mi E. of Forrestal Dr. See F.B. 1355-18

Summation of Elev
From B.M. 34-11
To B.M. 34-13

Total Backsights = + 725. 754 ✓
Total Foresights = − 3332. 956 ✓
Diff. Elev. = − 1607. 202 '

Backsight stadia = 381 '
Foresight Stadia = 380 '
Total Stadia = 761 meters.

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM34-13													FROM BM34-13 TO BM34-11
1	191	509	492	5	199 / 183	16	93	139	394	5	101 / 85	16	BM34-13 (VS C&GS V 787) Palos Verdes Dr. S. 0.1 mi E. of Forrestal Dr. See F.B. 1355-18
2	257	251	558	5	272 / 242	30 / 46	53	558	354	5	68 / 38	30 / 46	
3	254	919	555	5	269 / 239	30 / 76	46	919	347	5	62 / 30	32 / 78	π Kapp
4	269	899	570	5	285 / 253	32 / 108	56	770	357	5	72 / 40	32 / 110	
5	267	735	568	5	284 / 250	34 / 142	51	071	352	5	66 / 36	30 / 140	
6	288	110	589	5	288 / 269	19x2 / 38 / 180	33	331	334	5	51 / 15	36 / 176	
7	253	000	554	5	270 / 236	34 / 214	50	957	351	5	67 / 33	34 / 210	
8	240	970	541	5	253 / 227	26 / 240	72	041	373	5	86 / 58	28 / 238	
9	226	696	527	5	238 / 214	24 / 264	44	751	345	5	57 / 31	26 / 264	
10	252	290	553	5	265 / 239	26 / 290	33	485	334	5	44 / 22	22 / 286	
11	277	782	578	5	288 / 266	22 / 312	20	820	321	5	32 / 8	24 / 310	
12	297	826	598	5	297 / 283	14x2 / 28 / 340	24	135	325	5	38 / 10	28 / 338	

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

SURVEY BY F. F. Brooks WEATHER Clear INST. NO. 9271

NOTES BY F.E.B. DATE 2 July 1964 TIME 9:55 ROD NO. 9-19

INDEXED DATE NOTES CHKD. J. GALLI DATE AUG 3 '64

F.B. 2851 PG. 71

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM34-13 TO BM34-11
						340						338	
13	235	302	536	5	257 213	44 384	125	268	426	5	145 105	40 378	✓
	3313	289	✓				706	245	✓				
BM34-11													BM34-11 (USC&GS U168, Palos Verdes Dr. S. near Palos Verdes Dr. E. See F.B. 1355-1,

Summation of Run
From B.M. 34-13
To B.M. 34-11

Total Backsights = + 3313.289 ✓
Total Foresights = − 706.245 ✓
Diff. Elev. = +2607.044 ✓

Backsight stadia = 384 ✓
Foresight Stadia = 378 ✓
Total Stadia = 762 ✓ meters

WEATHER Clear INST. NO. 96716
TIME 9:55 - 10:25 ROD NO. 9-19
NOTES CHKD [illegible] DATE AUG 3 '64

F.B. 2851 PG. 72 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY F. E. Brooks NOTES FEB
INDEXED C. J. GALLI DATE

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 34-13													FROM BM34-13 TO BM34-14A
													BM34-13 (USCOGS. V 787)
1	53	092	354	5	60 46	14	202	155	303	5	208 196	12	Palos Verdes Dr. S. 0.1 mi E. of Forrestal Dr.
2	63	861	364	5	74 52	22	257	965	558	5	268 246	22	See F.B. 1355-18
3	62	042	363	5	74 50	36 24	254	451	555	5	267 241	34 26	TK app
4	51	540	352	5	70 32	60 38	270	172	572	5	290 250	60 40	
5	34	769	335	5	50 18	98 32	279	430	580	5	297 261	100 36	
6	12	222	312	5	24×2 11	130 13 26	256	299	557	5	269 243	136 26	
7	57	000	358	5	73 41	156 32	198	465	499	5	210 186	162 24	
8	28	261	329	5	45 11	188 34	283	801	584	5	299 267	186 32	
9	41	430	342	5	56 26	222 30	289	179	590	5	289×2 272	218 17 34	
10	36	472	337	5	52 20	252 32	296	712	597	5	296×2 278	252 18 36	
11	35	577	336	5	50 20	284 30	258	179	559	5	270 246	288 24	
12	40	982	341	5	55 25	314 30	248	379	549	5	263 233	312 30	
13	57	440	358	5	76 38	344 38	255	048	556	5	274 236	342 38	
						382						380	

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

SURVEY BY F. E. Brooks

NOTES BY M. Bustrum DATE 6-30-64

INDEXED DATE

WEATHER Clear

TIME 2:25-3:25

NOTES CHKD L. J. GAUN DATE AUG 3 '64

INST. NO. 96912

ROD NO. 9-19

F.B. 2851 PG. 73

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA	382	RIGHT	MIC.	LEFT		STADIA	380	FROM BM 34-13 TO BM 34-14A
14	75	259	376	5	89 61	28	247	849	548	5	260 234	26	
						410				5		406	
~~BM 15 14A~~	47	001	348	5	62 32	30	176	779	477	5	193 159	34	
						440						440	
	695	948					3774	863					
BM 34-14A													BM 34-14A (USC&GS T105 Palos Verdes Dr. S. and Schooner Dr. see F.B. 1355-45

Summation of Km
From B.M. 34-13
To B.M. 34-14A

Total Backsights = + 695.948
Total Foresights = − 3774.863
Diff. Elev. = − 3078.915

Backsight stadia = 440'
Foresight Stadia = 440'
Total Stadia = 880' meters

F.B. 2851 PG. 74 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY F. E. Brooks NOTES Bustrum
INDEXED J. GALLI DATE

WEATHER Clear INST. NO. 96716
TIME 2:25-3:25 ROD NO. 9-19
NOTES CHKD [illegible] DATE AUG 3 '64

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible]NGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM34-14A TO BM34-13
BM 34-14													BM 34-14A (USC&GS T1053) Palos Verdes Dr. S. and Schooner Dr. See F.B. 1355-45
1	170	075	471	5	186 / 154	32	40	545	341	5	56 / 24	32	
2	252	132	553	5	265 / 239	26 / 58	79	840	380	5	93 / 65	28 / 60	
3	253	834	554	5	272 / 234	38 / 96	55	899	356	5	74 / 36	38 / 98	
4	244	469	545	5	259 / 229	30 / 126	36	860	337	5	51 / 21	30 / 128	
5	266	745	567	5	280 / 252	28 / 154	44	452	345	5	58 / 30	28 / 156	
6	295	300	596	5	295 / 277	18 / 36 / 190	34	588	335	5	50 / 18	32 / 188	
7	278	644	579	5	294 / 262	32 / 222	31	651	332	5	47 / 15	32 / 220	
8	277	310	578	5	293 / 261	32 / 254	21	591	322	5	38 / 4	34 / 254	
9	193	845	494	5	207 / 179	28 / 282	53	610	354	5	67 / 39	28 / 282	
10	253	840	554	5	266 / 240	26 / 308	44	872	345	5	58 / 30	28 / 310	
11	292	158	593	5	292 / 274	18 / 36 / 344	11	991	312	5	27 / 11	16 / 32 / 342	
12	267	200	568	5	287 / 247	40 / 384	46	529	347	5	66 / 26	40 / 382	

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

SURVEY BY F. E. Brooks WEATHER Clear INST. NO. 9671

NOTES BY M. Bustrum DATE 7-2-64 TIME 9:10 - 9:45 ROD NO. 9-19

INDEXED DATE NOTES CHKD [illegible] J. GALLI DATE

F.B. 2851 PG. 75

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM34-14A TO BM34-13
						384						382	
13	252	500	553	5	265 239	26 410	60	268	361	5	72 48	24 406	
14	251	454	552	5	262 240	22 432	59	230	360	5	70 48	22 428	
15	202	226	503	5	208 196	12 444	51	081	352	5	59 x2 51	8 16 444	
	3751	732					673	007					
BM34-13													BM34-13 (USC&GS 787) Palos Verdes Dr. S. 0.1 mile E. of Forrestal Dr. See F.B. 1355-18

Summation of Run
From B.M. 34 = 14A
To B.M. 34 = 13

Total Backsights = + 3751 732
Total Foresights = − 673 007
Diff. Elev. = + 3078 725

Backsight stadia = 444
Foresight Stadia = 444
Total Stadia = 888 meters

F.B. 2851 PG. 76

SURVEY OF E.A. Co. Precise Level Net

SURVEY BY F. E. Brooks NOTES M. Bustrum

INDEXED C. J. GAIL DATE

JOB NO. 0301.02

WEATHER Cledr

TIME 9:10 - 9:45

NOTES CHKD [illegible]

INST. NO. 96716

ROD NO. 9-19

DATE AUG 5 '64

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT	STADIA	RIGHT	MIC.	LEFT	STADIA	FROM BM 34-14A TO BM 34-15A
BM34-14A									BM 34-14A (USC&GS T1053)
1	131	650	432 5	145 117 28	137	161	438 5	152 122 30	Palos Verdes Dr. S. and Schooner Dr. see F.B. 1355-45
									π Kapp
BM34-15A									BM 34-15A Palos Verdes Dr. S. at entrance To Portuguese Bend Club. See F.B. 2318-171

Summation of Run
From B.M. 34-14A
To B.M. 34-15A

Total Backsights = + 131.650
Total Foresights = − 137.161
Diff. Elev. = − 5.511

Backsight stadia = 28
Foresight Stadia = 30
Total Stadia = 58 meters

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

SURVEY BY F. E. Brooks WEATHER Foggy INST. NO. 96716

NOTES BY F. E. Brooks DATE 24 June 1964 TIME 9:00 ROD NO. 9-19

INDEXED DATE NOTES CHKD C. J. GALLS DATE AUG 3 '64

F.B. 2851 PG. 77

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT	STADIA	RIGHT	MIC.	LEFT	STADIA	FROM BM34-15A TO BM 34-14A
BM 34-15A									BM34-15A
									Palos Verdes Dr. S. @ Entr. to
	136	778	~~430~~ 437 5	151 121 30	131	241	432 5	146 116 30	Portuguese Bend Club
									⊼ Kapp see F.B. 2318-171
BM34-14A									BM 34-14A (U.S.C.&G.S. T 1053
									Palos Verdes Dr. S. & Schooner
									See F.B. 1355-45
									Summation of Run
									From B.M. 34-15A
									To B.M. 34-14A
									Total Backsights = + 136.778
									Total Foresights = − 131.241
									Diff. Elev. = + 5.537
									Backsight stadia = 30
									Foresight Stadia = 30
									Total Stadia = 60 Meters

F.B. 2851 PG. 78

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY R. E. Brooks NOTES R. E. Brooks

INDEXED [illegible] DATE

JOB NO. 0301.02

WEATHER Foggy

TIME 9:05

NOTES CHKD [illegible]

INST. NO. 96710

ROD NO. 9-19

DATE AUG 3 '64

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA	
BM 34-15A												
1	130	611	431	5	161 / 99	62	205	730	506	5	236 / 171	65
2	126	861	427	5	155 / 97	58 / 120	193	721	494	5	222 / 164	58 / 123
3	58	448	359	5	87 / 29	58 / 178	221	736	522	5	247 / 195	52 / 175
4	79	329	380	5	106 / 52	54 / 232	268	202	569	5	297 / 239	58 / 233
5	84	460	385	5	111 / 57	54 / 286	211	180	512	5	237 / 185	52 / 285
6	104	091	405	5	131 / 77	54 / 340	214	360	516	5	238 / 190	48 / 333
7	158	499	459	5	162 / 154	8 / 348	126	733	427	5	134 / 118	16 / 349
	742	299					1441	662				
BM 50-13												

DESCRIPTION AND REMARKS

FROM BM 34-15A TO BM 50-13

BM 34-15A
Palos Verdes Dr. S. and entrance to Portuguese Bend Club
See F.B. 2318-171

⊼ Kapp

Summation of Run
From B.M. 34-15A
To B.M. 50-13

Total Backsights = + 742.299
Total Foresights = − 1441.662
Diff. Elev. = − 699.363

Backsight stadia = 348
Foresight Stadia = 349
Total Stadia = 697 Meters

BM 50-13
Palos Verdes Dr. S. 410± ft. E. of Crenshaw Blvd.
See F.B. 2400-22

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

SURVEY BY F. E. Brooks

NOTES BY E. E. Brooks DATE 24 June 1964

INDEXED DATE

WEATHER Foggy

TIME 9:05 - 9:30

NOTES CHK'D J. GALLI DATE NOV 3 '64

INST. NO. 96716

ROD NO. 9-19

F.B. 2951 PG. 79

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 2851 PG. 80 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY H. E. Brooks NOTES F. E. Brooks

INDEXED G. J. GALLI DATE

WEATHER Clear - Windy INST. NO. 96716

TIME 2:15 - 2:35 ROD NO. 4-19

NOTES CHKD [illegible] DATE AUG 3 '64

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS.
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 50-13 TO BM 34-15A
BM 50-13													BM 50-13 Palos Verdes Dr. S. 410±ft E. of Crenshaw Blvd. See F.B. 2400-22
1	175	175	476	5	180 170	10	167	153	468	5	174 160	14	
2	182	561	483	5	209 155	54 64	112	170	413	5	136 88	48 62	
3	211	336	512	5	270 105	54 118	84	290	383	5	109 55	54 116	
4	261	785	562	5	290 232	58 174	74	256	375	5	101 47	54 170	Summation of Run From B.M. 50-13 To B.M. 34-15A
5	224	653	525	5	250 198	52 226	62	062	365	5	90 34	56 226	Total Backsights = + 1428.777 ✓ Total Foresights = − 729.640 ✓
6	194	500	495	5	223 165	58 284	118	221	419	5	147 89	58 284	Diff. Elev. = + 699.137 ✓
7	178	767	479	5	209 147	62 346	113	488	414	5	143 83	60 344	Backsight stadia = 346' Foresight Stadia = 344' Total Stadia = 690' Meters
	1428	777					729	640 ✓					
BM 34-15A													BM 34-15A Palos Verdes Dr. S. at entrance to Portuguese Bend Club. See F.B. 2318-171

76P526B CE # 308 8-59

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

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

Do not extend notes this side of this line.

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

SURVEY BY E. E. Brooks WEATHER Overcast INST. NO. 2671

NOTES BY E. E. Brooks DATE 24 June 1964 TIME 2:40 - 11:05 ROD NO. 2-19

INDEXED DATE NOTES CHKD C. J. GALLI DATE JUL 3 '64

F.B. 2851 Pg. 81

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 50-13 TO BM 34-18
BM 50-13													BM 50-13 Palos Verdes Dr. S. 410± ft E. of Crenshaw Blvd. See F.B. 2400-22
1	58	308	359	5	84 32	52	210	673	511	5	236 184	52	
2	50	406	351	5	79 21	58 110	282	052	583	5	282 253	24 x 2 58 110	
3	7	368	308	5	27 7	16 x 2 30 140	167	571	468	5	185 149	36 146	T. Kapp
4	11	402	312	5	25 11	14 x 2 28 168	299	620	600	5	299 286	13 x 2 26 172	
5	177	132	434	5	159 107	52 220	106	558	407	5	130 82	48 220	
6	165	776	466	5	189 141	48 268	75	243	376	5	99 51	48 268	
7	268	147	569	5	296 241	54 322	135	268	436	5	161 129	52 320	
8	174	649	475	5	202 146	56 378	102	904	403	5	131 73	58 378	
9	66	463	367	5	96 36	60 438	257	372	558	5	288 226	62 440	
10	194	595	495	5	217 171	46 484	46	670	347	5	69 25	46 486	
11	203	993	504	5	230 176	54 538	241	460	542	5	265 215	50 536	
12	268	890	569	5	297 237	60 598	252	456	553	5	281 223	58 594	
13	154	061	455	5	183 125	58 656	213	591	514	5	240 186	54 648	

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 50-13 TO BM 34-18
						656						648	
14	198	900	499	5	218 278	40 696	298	749	599	5	298 276	22x2 44 692	
15	20	041	321	5	37 3	34 730	294	719	595	5	294 276	18x2 36 728	
16	27	258	328	5	40 14	26 756	295	788	596	5	295 283	12x2 24 752	
17	210	483	511	5	216 204	12 768	222	630	523	5	229 216	14 766	✓
	2214	072 ✓					3503	324 ✓					
BM34-18													BM34-18 Palos Verdes Dr. S. and Narcissa Dr. See F.B. 1355-22

Summation of Run
From B.M. 50-13
To B.M. 34-18

N.G.

Total Backsights = + 2214.072 ✓
Total Foresights = − 3503.324 ✓
Diff. Elev. = −1289.252 ✓

Backsight stadia = 768 ✓
Foresight Stadia = 766 ✓
Total Stadia = 1534 Meters

F.B. 2851 PG. 82 JOB NO. 0301.02
SURVEY OF L.A.C. Precise Level Net
SURVEY BY F. F. Brooks NOTES F. F. Brooks
INDEXED [illegible] DATE
WEATHER Overcast INST. NO. 9671
TIME 9:40-11:05 ROD NO. 9-19
NOTES CHKD [illegible] DATE AUG 3 '64

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY F. E. Brooks

NOTES BY F. E. Brooks DATE 26 June 1964

INDEXED DATE

WEATHER Overcast

TIME 8:50 - 10:05

NOTES CHKD C. J. GAIN DATE AUG 3 '64

F.B. 2851 PG. 83

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 50-13 TO BM 34-18
BM 50-13													BM 50-13
1	52	104	353	5	79 / 52	27x2 / 54	202	731	503	5	228 / 176	52	Palos Verdes Dr. S. 440± ft. E. of Crenshaw Blvd.
2	34	910	335	5	63 / 5	58 / 112	298	412	599	5	298 / 269	29x2 / 58 / 110	see F.B. 2400-22
3	11	621	312	5	35 / 11	14x2 / 28 / 140	290	360	591	5	290 / 273	17x2 / 34 / 144	T Kapp
4	49	450	350	5	62 / 36	26 / 166	187	470	488	5	200 / 174	26 / 170	
5	128	199	429	5	153 / 103	50 / 216	104	491	405	5	129 / 79	50 / 220	
6	173	061	474	5	198 / 148	50 / 266	79	360	380	5	102 / 56	46 / 266	
7	257	184	558	5	284 / 230	54 / 320	129	622	430	5	155 / 103	52 / 318	
8	180	510	481	5	208 / 152	56 / 376	105	312	406	5	133 / 77	56 / 374	
9	63	025	364	5	93 / 33	60 / 436	257	322	558	5	288 / 226	62 / 436	
10	192	499	493	5	215 / 169	46 / 482	38	211	339	5	61 / 15	46 / 482	
11	198	996	499	5	225 / 171	54 / 536	148	540	449	5	178 / 118	60 / 542	
12	161	929	462	5	187 / 135	52 / 588	166	371	467	5	197 / 135	62 / 604	
13	121	972	422	5	151 / 91	60 / 648	127	782	428	5	153 / 101	52 / 656	

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
						648						656	FROM BM50-13 TO BM34-18
14	143	069	444	5	165 / 1121	44 / 692	281	021	582	5	300 / 262	34 / 690	
15	7	012	308	5	25 / 7	18x2 / 36 / 728	284	800	585	5	300 / 268	32 / 722	
16	33	632	334	5	45 / 21	24 / 752	298	650	599	5	298 / 284	14x2 / 28 / 750	
17	208	962	509	5	214 / 202	12 / 764	220	875	521	5	227 / 213	14 / 764	
	2018	135					3221	330					
BM 34-18													BM34-18 Palos Verdes Dr. S. and Narcissa Dr. See F.B. 1355-2

Summation of Run
From B.M. 50-13
To B.M. 34-1

Total Backsights = + 2018.135
Total Foresights = − 3221.330
Diff. Elev. = −1203.195

Backsight stadia = 764
Foresight Stadia = 764
Total Stadia = ~~1528~~ meters 1528

F.B. 2851 PG. 84 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY F. E. Brooks NOTES F. E. Brooks
INDEXED C. J. GAUT DATE

WEATHER Overcast - Mist INST. NO. 96716
TIME 8:50 - 10:05 ROD NO. 9-19
NOTES CHKD [illegible] DATE AUG 3 '64

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS FROM BM 34-18 TO BM 50-13
BM 34-18													BM 34-18
1	222	512	523	5	229 / 215	14	210	400	511	5	216 / 204	12	Palos Verdes Dr. S. & Narcissa Dr. See F.B. 1355-22
2	289	650	590	5	300 / 278	22 / 70	29	055	330	5	42 / 16	26 / 38	π Kapp
3	295	442	596	5	295 / 278	17x2 / 34 / 70	13	239	314	5	30 / 13	17x2 / 34 / 72	
4	294	538	595	5	294 / 273	21x2 / 42 / 112	195	189	496	5	216 / 174	42 / 114	
5	152	050	452	5	180 / 124	56 / 168	211	800	512	5	238 / 184	54 / 168	
6	277	519	578	5	277 / 250	27x2 / 54 / 222	177	399	478	5	207 / 147	60 / 228	
7	155	512	456	5	185 / 125	60 / 282	196	720	497	5	227 / 169	54 / 282	
8	40	640	341	5	63 / 17	46 / 328	205	000	506	5	228 / 182	46 / 328	
9	272	225	573	5	272 / 241	31x2 / 62 / 390	68	545	369	5	98 / 38	60 / 388	← Lunch
10	105	607	406	5	133 / 77	56 / 446	180	999	481	5	209 / 151	58 / 446	
11	144	822	445	5	170 / 118	52 / 498	275	524	576	5	302 / 248	54 / 500	
12	75	830	376	5	99 / 51	48 / 546	168	488	469	5	192 / 144	48 / 548	
13	107	849	408	5	132 / 82	50 / 596	118	973	419	5	142 / 94	48 / 596	

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

SURVEY BY L. A. Brooks

NOTES BY _____ DATE 25 June 1964

INDEXED _____ DATE _____

WEATHER Hazy-Windy

TIME 11:10-2:00

NOTES CHKD [illegible] DATE AUG 3 '64

F.B. 2851 Pg. 85

INST. NO. 9671

ROD NO. 9-19

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Hazy-Windy INST. NO. 9671
TIME 11:10 - 2:00 ROD NO. 9-19
NOTES CHKD [illegible] DATE AUG 3 '34

F.B. 2357 Pg. 81 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY R.E. Brooks NOTES F. E. Brooks
INDEXED R. J. GAULT DATE

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-18 TO BM 50-13
						596						696
14	178	061	479	5	191 165	26 C22	64	714	363	5	74 58	24 C20	
15	294	465	595	5	294 277	17x2 34 C56	5	992	306	5	20 5	15x2 30 C50	
16	300	741	601	5	300 272	28x2 56 714	39	692	346	5	69 9	60 710	
17	206	152	507	5	232 180	52 964	150	900	351	5	76 60	26x2 52 762	
	3413	615					2210	629					
BM 50-13													BM 50-13 Palos Verdes Dr. S. & 410' ft. E. of Crenshaw Blvd. See F.B. 2400-22

Summation of Rec
From B.M. 34-18
To B.M. 50-13

Total Backsights = + 3413.615
Total Foresights = − 2210.629
Diff. Elev. = +1202.986

Backsight stadia = 764
Foresight Stadia = 762
Total Stadia = 1526 meters

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 34-18 TO BM 34-19A
BM 34-18													BM 34-18
1	49	670	350	5	63 / 35	28	279	482	580	5	294 / 264	30	Palos Verdes Dr. S and Narcissa Dr. See F.B. 1355-22
2	51	480	352	5	79 / 23	56 / 84	135	568	436	5	164 / 106	58 / 88	⊼ Kapp
3	205	709	506	5	234 / 176	58 / 142	~~119~~ 120	031	420	5	149 / 91	58 / 146	Summation of Run From B.M. 34-18 To B.M. 34-19A
4	193	820	494	5	222 / 164	58 / 200	134	451	435	5	161 / 107	54 / 200	
5	208	878	509	5	234 / 182	52 / 252	108	450	409	5	133 / 83	50 / 250	Total Backsights = + 1291.538 ✓
6	205	150	506	5	233 / 177	56 / 308	149	372	450	5	178 / 120	58 / 308	Total Foresights = − 1167.870 ✓
7	194	771	495	5	221 / 167	54 / 362	128	813	429	5	155 / 101	54 / 362	Diff. Elev. = +123.668 ✓
8	182	060	483	5	193 / 171	22 / 384 ✓	111	703	412	5	123 / 99	24 / 386 ✓	Backsight stadia = 384 ✓
													Foresight Stadia = 386 ✓
													Total Stadia = 770 ✓ Meters
	1291	538 ✓					1167	870 ✓					
BM 34-19A													BM 34-19A
													Palos ~~Verd~~ Verdes Dr. S. 735± ft. W. of drive to Wayfarer's chapel See F.B. 1355-50B

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

SURVEY BY R. E. Brooks

NOTES BY R. E. Brooks DATE 24 June 1964

INDEXED DATE

WEATHER Overcast

TIME 11:05 - 11:45

NOTES CHKD G. J. GAUN DATE

INST. NO. 96716

ROD NO. 9-19

F.B. 2851 PG. 87

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-19A TO BM 34-18
BM 34-19A													BM 34-19A
													Palos Verdes Dr. S., 735±
1	110	959	411	5	122 / 98	24	180	710	481	5	191 / 169	22	ft. W. of drive to Way-
													farer's Chapel
2	120	500	421	5	147 / 93	54 / 78	178	410	479	5	206 / 150	56 / 78	See F.B. 1355-50B
3	140	542	441	5	168 / 112	56 / 134	205	321	506	5	237 / 177	56 / 134	π Kapp
4	110	439	411	5	135 / 85	50 / 184	211	140	512	5	238 / 184	54 / 188	Summation of Run
													From B.M. 34-19A
5	130	638	431	5	159 / 101	58 / 242	189	636	490	5	216 / 162	54 / 242	To B.M. 34-18
													Total Backsights = + 1139.573 ✓
6	117	977	418	5	146 / 88	58 / 300	203	648	504	5	232 / 174	58 / 300	Total Foresights = − 1263.353 ✓
													Diff. Elev. = − 123.780 ✓
7	132	507	433	5	161 / 103	58 / 358	47	769	348	5	75 / 19	56 / 356	
8	276	011	577	5	290 / 262	28 / 386	146	719	347	5	60 / 32	28 / 384	Backsight stadia = 386 ✓
													Foresight Stadia = 384 ✓
	1139	573	✓				1263	353	✓				Total Stadia = 770 ✓ meters
BM 34-18													BM 34-18
													Palos Verdes Dr. S. &
													Narcissa Dr.
													See F.B. 1355-22

WEATHER Hazy - Windy INST. NO. 96710
TIME 10:40 - 11:10 ROD NO. 9-19
NOTES CHKD [illegible] DATE AUG 3 '64

F.B. 2851 PG. 88 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY F. E. Brook NOTES F. E. Brook
INDEXED [illegible] DATE

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA	
BM34-19A												
1	271	190	572	5	297 245	52	4	658	305	5	29 4	25x 50
2	268	120	569	5	282 254	28 80	19	696	320	5	33 5	28 78
3	299	198	600	5	299 287	12x2 24 104	12	979	313	5	22 2	20 98
4	254	113	555	5	261 247	14 118	28	553	329	5	38 18	20 118
5	241	998	542	5	250 232	18 136	46	103	347	5	55 37	18 136
6	282	108	583	5	291 273	18 154	62	879	363	5	71 53	18 154
7	246	928	547	5	254 238	16 170	58	610	359	5	66 50	16 170
8	274	620	575	5	283 265	18 188	247	960	548	5	257 237	20 190
	2138	275					481	438				
BM34-20A												

DESCRIPTION AND REMARKS

FROM BM34-19A TO BM34-20A

BM 34-19A
Palos Verdes Dr. S. 735 ft ± W of drive to Wayfarer's Chapel
see F.B. 1355-50B

⊼ Kapp

Summation of Run
From B.M. 34-19A
To B.M. 34-20A

Total Backsights = + 2138.275
Total Foresights = − 481.438
Diff. Elev. = +1656.837

Backsight stadia = 188
Foresight Stadia = 190
Total Stadia = 378 Meters

BM34-20A
Palos Verdes Dr. S. at Co. Fire Station # 53 See F.B. 1355-46

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

SURVEY BY L. L. Brooks

NOTES BY L. L. Brooks DATE 24 June 1964

WEATHER Hazy

TIME 1:10 – 1:45

INST. NO. 96916

ROD NO. 9-19

INDEXED

DATE

NOTES CHKD. L. J. GALLI DATE AUG 3 64

F.B. 2851 Pg. 89

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 1851 PG. 90 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY E. E. Brooks NOTES E. E. Brooks

INDEXED C. J. GAU... DATE

WEATHER Hazy - Windy INST. NO. 8671

TIME 10:15 - 10:40 ROD NO. 2-12

NOTES CHKD [illegible] DATE AUG 3 '64

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-20A TO BM 34-19A
BM 34-20A													BM 34-20A
1	252	058	553	5	262 / 242	20	279	252	580	5	288 / 270	18	Palos Verdes Dr. S. @ Co. Fire Sta. #53
2	78	501	379	5	86 / 70	16 / 36	265	250	566	5	274 / 256	18 / 36	See F.B. 1355-46
3	60	690	361	5	69 / 51	18 / 54	283	797	584	5	292 / 274	18 / 54	T KAPP
4	50	560	351	5	59 / 41	18 / 72	244	146	545	5	253 / 235	18 / 72	Summation of Rur From B.M. 34-20A To B.M. 34-19A
5	52	648	353	5	60 / 44	16 / 88	276	620	577	5	294 / 278	16 / 88	
6	34	396	335	5	44 / 24	20 / 108	292	750	593	5	298 / 284	22 / 110	Total Backsights = + 545.792 ✓ Total Foresights = − 2202.624 ✓ Diff. Elev. = − 1656.832 ✓
7	4	675	305	5	19 / 1	132 / 30 / 138	284	297	583	5	295 / 269	26 / 136	Backsight stadia = 186 ✓
8	12	215	313	5	32 / 12	24 / 48 / 186	278	312	579	5	278 / 252	26 / 52 / 188	Foresight Stadia = 188 ✓ Total Stadia = 374 meters
	545	792 ✓					2202	624					
BM 34-19A													BM 34-19A Palos Verdes Dr. S., 235± ft W. of drive to Wayfarer's Chapel See F.B. 1355-50B

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM34-20A TO BM34-20B
BM34-20A													BM 34-20 A Palos Verdes Dr. S. and L.A. Co. Fire Sta. #53
	295	820	596	5	300 290	10	131	132	432	5	136 126	10	See F.B. 1355-46 π Kapp
BM34-20B													BM 34-20 B Palos Verdes Dr S. and L.A. Co Fire Sta #53 See F.B. 1355-46

Summation of Run
From B.M. 34-20A
To B.M. 34-20B

Total Backsights = + 295.820
Total Foresights = − 131.132
Diff. Elev. = + 164.688

Backsight stadia = 10
Foresight Stadia = 10
Total Stadia = 20 Meters

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

SURVEY BY F. E. Brooks DATE 24 June 1964 WEATHER Hazy-Windy INST. NO. 96710

NOTES BY F. E. Brooks DATE TIME 1:45 ROD NO. 9-19

INDEXED DATE NOTES CHKD J. GAUN DATE AUG 3 '64

F.B. 2851 PG. 91

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Hazy-Windy INST. NO. 96716
TIME 10:05 ROD NO. 9-19
NOTES CHKD DATE AUG 3 '64

F.B. 1351 PG. 92 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brock NOTES F. E. Brock
INDEXED DATE

STATION	BACKSIGHT					FORESIGHT					DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA	RIGHT	MIC.	LEFT		STADIA	FROM BM 34-20B TO BM 34-20A
BM 34-20B											BM 34-20B Palos Verdes Dr. S. & L.A. Co. Fire Sta. #53 See F.B. 1355-46 T Kapp
1	130	243	431	5	133 125	10	294	990	695	5	298 290	8	
BM 34-20A											BM 34-20A Palos Verdes Dr. S. & L.A. Co. Fire Sta. #53 See F.B. 1355-46

Summation of Run
From B.M. 34-20B
To B.M. 34-20A

Total Backsights = + 130.243
Total Foresights = − 294.990
Diff. Elev. = −164.747

Backsight stadia = 10
Foresight Stadia = 8
Total Stadia = 18 metres

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

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

SURVEY BY F. E. Brooks WEATHER Hazy-Humid INST. NO. 2777

NOTES BY F. E. Brooks DATE 24 June 1964 TIME 1:55 - 2:10 ROD NO. 9-12

INDEXED DATE NOTES CHKD C. J. DATE JUL 3 '64

F.B. 1355 Pg. 53

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM34-20B TO BM34-21A
BM34-20B													BM34-20B.
													Palos Verdes Dr. S. and L.A. Co.
1	252	936	553	5	260 244	16	51	740	352	5	61 41	20	Fire Sta. #53
													See F.B. 1355-46
2	152	168	553	5	272 242	30	90	905	391	5	101 77	24	
													T. Kapp
3	205	249	506	5	225 190	35	180	263	481	5	195 165	30	
4	109	718	410	5	131 67	64	239	038	540	5	268 218	50	1
	820	071	✓				561	946	✓				
BM34-21A													BM34-21A
													Palos Verdes Dr. S. &
													Barkentine Rd.
													See F.B. 1355-47

Summation of Rm
From B.M. 34-20B
To B.M. 34-21A

Total Backsights = 820.071 ✓
Total Foresights = 561.946
Diff. Elev. = +258.125 ✓

Backsight stadia = 112'
Foresight Stadia = 114'
Total Stadia = 226' Meters

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

F.B. 2957 Pg. 94 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY E. E. Brooks NOTES

INDEXED DATE

WEATHER Hazy - Windy INST. NO. 96714

TIME 9:45 - 10:05 ROD NO. 9-19

NOTES CHKD [illegible] DATE AUG 3 54

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-21A TO BM 34-20B
BM 34-21A													BM 34-21A
													Palos Verdes Dr. S. &
1	249	930	550	5	271 / 227	44	121	349	422	5	142 / 100	42	Barkentine Rd.
													Sec F.B. 1355-47
2	181	999	482	5	196 / 166	30 / 74	811	430	512	5	226 / 196	30 / 72	
													T. Kapp
3	100	310	401	5	110 / 90	20 / 94	249	690	550	5	220 / 238	22 / 94	
4	65	091	366	5	77 / 67	10 / 110	272	082	573	5	288 / 244	44 / 110	✓
	597	330	✓				856	351	✓				
BM 34-20B													BM 34-20B
													Palos Verdes Dr. S. & L.A.
													Co. Fire Sta. #53
													Sec F.B. 1355-46
													Summation of Rs
													From B.M. 34-21A
													To B.M. 34-20B
													Total Backsights = + 597.330 ✓
													Total Foresights = − 855.351 ✓
													Diff. Elev. = − 258.021 ✓
													Backsight stadia = 110 ✓
													Foresight Stadia = 110 ✓
													Total Stadia = 220 meters

76P526B CE # 308 8-59

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L. A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks WEATHER Hazy, Windy INST. NO. 2677
NOTES BY E. E. Brooks DATE 24 June 1964 TIME 2:10 ROD NO. 8-19
INDEXED DATE NOTES CHKD DATE
F.B. 1355 Pg. 25

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM34-21A TO BM34-21
BM34-21A													BM 34-21A Palos Verdes Dr. S. and Barkentine
1	61	510	362	5	94 30	46	172	800	473	5	194 150	44	Rd. See F.B. 1355-47
2	179	061	480	6	195 163	32 78	239	061	540	5	259 221	36 80	/ T Kapp
	240	571	✓				411	861	✓				
BM34-21													BM 34-21 Palos Verdes Dr. S. and Packet Rd. See F.B. 1355-25 (Time delay to get truck and clean out H.H.

Summation of Run
From B.M. 34-21A
To B.M. 34-21

Total Backsights = + 240.571 ✓
Total Foresights = − 411.861 ✓
Diff. Elev. = − 171.290 ✓

Backsight stadia = 78'
Foresight Stadia = 80'
Total Stadia = 158' Meters

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-21 TO BM 34-21
BM 34-21													BM 34-21
1	241	903	542	5	258 / 224	34	181	867	482	5	198 / 164	34	Palos Verdes Dr. S. & Packet Rd.
2	170	611	471	5	192 / 148	44 / 78	59	380	360	5	82 / 36	46 / 80	See F.B. 1355-25
	412	514	✓				241	247	✓				π Kapp
BM 34-21A													BM 34-21A
													Palos Verdes Dr. S. & Barkentine Rd.
													See F.B. 1355-47

Summation of Run
From B.M. 34-21
To B.M. 34-21A

Total Backsights = + 412.514 ✓
Total Foresights = − 241.247 ✓
Diff. Elev. = + 171.267 ✓

Backsight stadia = 78 ✓
Foresight Stadia = 80 ✓
Total Stadia = 158 ✓ meters

WEATHER Hazy-Windy INST. NO. 96716
TIME 9:40-9:45 ROD NO. 9-19
NOTES CHKD [signature] DATE AUG 3 '64

E.B. 2857 PG. 96 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY F. E. Brooks NOTES F. E. Brooks
INDEXED [signature] DATE

76P526B CE # 308 8-59

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks WEATHER Hazy-Windy INST. NO. 9671
NOTES BY F. E. Brooks DATE 24 June 1964 TIME 3:00 - 7:35 ROD NO. 9-12
INDEXED DATE NOTES CHKD E. J. Gray DATE NOV 3 '64
F.B. 1355 Pg. 99

STATION	BACKSIGHT RIGHT	MIC.	LEFT		STADIA		FORESIGHT RIGHT	MIC.	LEFT		STADIA		DESCRIPTION AND REMARKS
													FROM BM 34-21 TO BM 34-23
BM 34-21													BM 34-21
													Palos Verdes Dr. S. and
1	295	032	596	5	303 287	16	69	114	370	5	78 60	18	Rocket Rd. see F.B. 1355-25
2	242	378	543	5	255 232	23 39	134	279	435	5	144 124	20 38	Tkapp
3	175	214	476	5	199 161	38 77	37	928	338	5	61 13	48 86	Summation of Run
													From B.M. 34-21
4	239	435	540	5	268 210	58 135	263	872	564	5	297 237	60 146	To B.M. 34-23
5	45	282	346	5	78 45	33 68	221	971	522	5	256 186	70 216	Total Backsights = + 1239.938 ✓
						101							Total Foresights = − 1239.325 ✓
6	25	570	326	5	57 26	31 62	206	368	507	5	235 177	58 274	Diff. Elev. = +0.613 ✓
						269							Backsight stadia = 356 ✓
7	133	689	434	5	163 103	60 329	187	905	488	5	216 158	58 332	Foresight Stadia = 358
													Total Stadia = 714 ✓ Meters
8	81	398	384	5	95 71	24 353	117	880	418	5	130 104	26 358 ✓	
	1239	938 ✓					1239	325 ✓					
BM 34-23													BM 34-23
													Palos Verdes Dr. S. 572 ± ft E.
													of E. entrance to Marineland
													see F.B. 1355-26

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. NO. 92710 ROD NO. 9-19 DATE AUG 3 '64

WEATHER Hazy - Windy TIME 2:00 - 9:40 NOTES CHKD [illegible]

JOB NO. 0301.02 SURVEY OF L.A. Co. Precise Level Net SURVEY BY E. E. Brooks NOTES E. E. Brooks INDEXED [illegible] DATE

F.B. 2057 PG. 99

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 34-23 TO BM 34-21
BM 34-23													BM 34-23
													Palos Verdes Dr. S. 572 ± f
1	121	881	422	5	134 / 102	16	87	230	780	5	99 / 73	24	E. of E. Entr. to Marinela.
													See F.B. 1355-26
2	186	612	487	5	216 / 102	60 / 86	133	138	434	5	127 / 107	60 / 84	
													T Kapp
3	823	859	524	5	254 / 192	62 / 146	42	796	343	5	73 / 11	62 / 146	
													Summation of Run
4	824	472	525	5	259 / 189	70 / 218	44	162	345	5	76 / 12	64 / 210	From B.M. 34-23
													To B.M. 34-21
5	144	960	545	5	272 / 217	55 / 273	123	995	524	5	253 / 193	60 / 270	
													Total Backsights = + 1235.164
6	35	070	336	5	59 / 11	48 / 321	172	585	473	5	191 / 146	46 / 316	Total Foresights = − 1235.992
													Diff. Elev. = − 0.828
7	130	582	431	5	140 / 120	20 / 341	238	494	539	5	247 / 229	18 / 332	
8	67	720	768	5	84 / 69	14 / 365	393	592	594	5	302 / 284	18 / 354	Backsight stadia = 355 '
													Foresight Stadia = 354 '
	1235	164 ✓					1235	992 ✓					Total Stadia = 709 Meters
BM 34-21													BM 34-21
													Palos Verdes Dr. S. &
													Packet Rd.
													See F.B. 1355-25

76P526B CE # 308 6-59

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

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

Do not extend notes this side of this line.

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

SURVEY BY F. E. Brooks WEATHER Overcast - Mist INST. NO. 32 210

NOTES BY F. E. Brooks DATE 26 June 1964 TIME 12:30 - 11:16 ROD NO. 9-18

INDEXED DATE NOTES CHKD DATE

F.B. 1355 Pg. 39

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM 34-23 TO BM 34-24A
BM 34-23									BM 34-23 (USC&GS Z-168)
1	141	512	442 5	154 128 26	292	459	593 5	292 274 134 26	Palos Verdes Dr. S. and 1,572 Ft E. of E. entrance to Marineland
2	8	956	309 5	23 8 154 30 56	294	992	595 5	294 279 154 30 56	see F.B. 1355-26
3	38	448	339 5	52 24 28 84	287	429	588 5	300 274 26 82	T Kapp
4	710	000	310 5	26 10 162 32 116	300	592	501 5	300 287 162 32 114	Summation of Run From B.M. 34-23 To B.M. 34-24A
5	30	911	331 5	44 16 28 144	271	410	572 5	284 258 26 140	
6	31	220	332 5	45 17 28 172	261	259	562 5	277 245 32 172	Total Backsights = + 722.772 ✓ Total Foresights = − 3110.173 ✓ Diff. Elev. = −2387.401 ✓
7	114	555	415 5	128 100 28 200	172	661	473 5	185 159 26 198	
8	131	839	432 5	154 108 46 246	291	992	598 5	291 246 254 50 248	Backsight stadia = 388 ✓ Foresight Stadia = 386 ✓
9	17	761	318 5	29 6 22 246	287	360	568 5	298 276 22 270	Total Stadia = 774 meters
10	15	911	316 5	27 3 24 292	251	099	552 5	241 241 20 290	
11	47	700	348 5	74 20 54 346	212	020	513 5	239 185 54 344	BM 34-24A Palos Verdes Dr. S and W
12	133	957	434 5	154 112 42 388	196	960	487 5	209 165 44 380	entrance to Marineland see F.B. 1355-40
	722	772 ✓			3110	173 ✓			BM 34-24A
BM 34-24A									

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA	
BM34-24A												
1	185	534	486	5	206 164	42	136	342	437	5	157 115	42
2	218	462	519	5	245 191	54 96	51	111	352	5	78 24	54 96
3	250	263	551	5	261 239	22 118	12	801	313	5	24 12	12x2 24 120
4	274	651	575	5	285 263	22 140	6	200	307	5	18 6	12x2 24 144
5	291	752	592	5	291 269	22x2 44 184	110	578	411	5	133 110	23x2 46 190
6	158	410	459	5	172 144	28 212	128	820	429	5	140 116	24 214
7	260	232	561	5	275 245	30 242	22	730	323	5	37 7	30 244
8	272	220	573	5	286 258	28 270	40	329	341	5	54 26	28 272
9	299	962	600	5	299 283	16x2 32 302	14	132	315	5	29 14	15x2 30 302
10	283	792	584	5	298 268	30 332	24	640	325	5	38 10	28 330
11	296	380	597	5	296 281	15x2 30 362	14	557	315	5	29 14	15x2 30 360
12	288	022	589	5	280 273	15x2 30 392	130	168	431	5	144 116	28 388
	3079	680					692	408				
BM34-23												

DESCRIPTION AND REMARKS

FROM BM34-24A TO BM34-23

BM34-24A
Palos Verdes Dr. S. and W. entrance to Marineland
See F.B. 1355-48

T. Kapp

Summation of Run
From B.M. 34-24A
To B.M. 34-23

Total Backsights = + 3079.680
Total Foresights = − 692.408
Diff. Elev. = + 2387.272

Backsight stadia = 392
Foresight Stadia = 388
Total Stadia = 780' meters

BM34-23 (USC&GS Z-168)
Palos Verdes Dr. S. 572± ft. E. of E. entrance to Marineland
See F.B. 1355-26

F.B. 2851 PG. 104 JOB NO. 0301.02

SURVEY OF F.A. Co. Precise Level Net

SURVEY BY E. E. Brooks NOTES M. Bustrum

INDEXED C. J. GAMBLE DATE

WEATHER clear INST. NO. 96710

TIME 9:35 ROD NO. 9-19

NOTES CHKD [illegible] DATE AUG 3 '64

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM34-24A TO BM34-24B
BM 34-24A													BM 34-24A
1	135	100	436	5	157 113	44	67	181	368	5	91 43	48	Palos Verdes Dr. S. and W. entrance to Marineland. See F.B. 1355-48
2	263	831	564	5	280 246	34 78	39	050	340	5	55 23	32 80	
3	286	270	587	5	297 275	22 100	35	155	336	5	46 24	22 102	π Kapp
4	294	693	595	5	294 284	10×2 20 120	48	692	349	5	58 38	20 122	Summation of Run From B.M. 34-24A To B.M. 34-24B
5	289	661	590	5	299 279	20 140	58	182	359	5	67 49	18 140	
6	259	350	560	5	267 251	16 156	57	718	358	5	66 48	18 158	Total Backsights = + 1736.585
7	207	680	508	5	212 202	10 166	120	320	421	5	124 116	8 166	Total Foresights = − 426.298
													Diff. Elev. = +1310.287
~~8~~	1736	585					426	298		~~5~~			Backsight stadia = 166
~~9~~				~~5~~									Foresight Stadia = 166
													Total Stadia = 332 meters
BM34-24B													BM 34-24 B Palos Verdes Dr. S. .21 Mile W/y of W. entrance to Marineland See FB. 2851-20

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

SURVEY BY F. E. Brooks

NOTES BY F. E. Brooks DATE 26 June 1964

INDEXED DATE

WEATHER Overcast-Mist INST. NO. 96716

TIME 11:20 ROD NO. 9-19

NOTES CHKD. [illegible] DATE

F.B. 2851 PG. 101

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA	
BM34-24B												
1	117	488	418	5	122 112	10	205	550	506	5	210 200	10
2	60	115	361	5	68 52	16 26	261	422	562	5	269 253	16 26
3	64	002	365	5	73 55	18 44	295	289	596	5	295 x2 285	10 20 46
4	49	620	350	5	59 39	20 64	295	204	596	5	295 x2 285	10 20 66
5	33	291	334	5	44 22	22 86	286	919	587	5	297 275	22 88
6	41	692	342	5	57 25	32 118	264	181	565	5	281 247	34 122
7	64	368	365	5	88 40	48 166	132	450	433	5	154 110	44 166
	430	576					1741	015				
BM34-24A												

DESCRIPTION AND REMARKS

FROM BM34-24B TO BM34-24A

BM34-24B
Palos Verdes Dr. S. 21 Mile W of W. entrance to Marineland
See F.B. 2851-20

⊼ K app

Summation of Run
From B.M. 34-24 B
To B.M. 34-24 A

Total Backsights = + 430.576
Total Foresights = − 1741.015
Diff. Elev. = − 1310.439

Backsight stadia = 166
Foresight Stadia = 166
Total Stadia = 332 meters

BM34-24A
Palos Verdes Dr. S. and entrance to Marineland
see F.B. 1355-48

F.B. 2851 PG. 102 JOB NO. 0701.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES M. Rustrum
INDEXED [illegible] DATE
WEATHER clear INST. NO. 96716
TIME 9:00 - 9:25 ROD NO. 9-19
NOTES CHKD [illegible] DATE AUG 3 '64

76P526B CE # 308 8-59

277
229
48

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY E. E. Brooks

NOTES BY E. E. Brooks DATE 26 June 1964 WEATHER Overcast INST. NO. 96716

INDEXED DATE TIME 1:10 - 1:50 ROD NO. 9-19

NOTES CHKD. J. GAUTZ DATE AUG 3 64

F.B. 2851 PG. 103

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA	
BM 34-24B												
1	148	656	449	5	164 / 132	32	300	360	601	5	300 / 284	16x2 / 32
2	13	522	314	5	27 / 13	14x2 / 28 / 60	298	468	599	5	298 / 283	15x2 / 30 / 62
3	14	926	315	5	28 / 14	14x2 / 28 / 88	259	949	560	5	273 / 245	28 / 90
4	41	778	342	5	66 / 16	50 / 138	247	882	548	5	272 / 222	50 / 140
5	84	617	385	5	112 / 56	56 / 194	267	341	568	5	296 / 238	58 / 198
6	74	350	375	5	89 / 59	30 / 224	292	492	593	5	292 / 280	12x2 / 24 / 222
7	34	491	335	5	44 / 24	20 / 244	288	202	589	5	299 / 277	22 / 244
8	32	938	333	5	41 / 23	18 / 262	264	002	565	5	274 / 254	20 / 264
9	45	760	346	5	59 / 31	28 / 290	269	650	570	5	282 / 256	26 / 290
10	64	257	365	5	74 / 54	20 / 310	252	780	553	5	262 / 242	20 / 310
11	109	846	410	5	113 / 105	8 / 318	106	139	307	5	110 / 102	8 / 318
	665	141					2847	265				
BM 34-26												

DESCRIPTION AND REMARKS

FROM BM34-24B TO BM34-26

BM 34-24B
Palos Verdes Dr. S. .21 Mile W'ly of W. entrance to Marineland
See F.B. 2851-~~20~~ 19

π Kapp

Summation of Run
From B.M. 34-24B
To B.M. 34-26

Total Backsights = + 665.141
Total Foresights = − 2847.265
Diff. Elev. = −2182.124

Backsight stadia = 318
Foresight Stadia = 318
Total Stadia = 636 meters

BM 34-26
Palos Verdes Dr. S. at Pt. Vicente Lighthouse Res.

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM34-26 TO BM34-24B
BM34-26													BM34-26
1	103	017	404	5	108 / 98	10	108	855	409	5	112 / 104	8	Palos Verdes Dr. S. at Pt. Vicente Lighthouse Res.
2	250	542	551	5	259 / 241	18 / 28	60	972	361	5	70 / 50	20 / 28	See F.B. 1355-28
3	269	951	570	5	282 / 256	26 / 54	46	048	347	5	62 / 32	30 / 58	T Kapp
4	277	816	578	5	287 / 267	20 / 74	43	469	344	5	52 / 34	18 / 76	Summation of Run From B.M. 34-26 To B.M. 34-24B
5	295	660	596	5	295 / 284	11x2 / 22 / 96	43	950	344	5	57 / 33	20 / 96	
6	292	000	593	5	292 / 280	12x2 / 24 / 120	74	320	375	5	89 / 59	30 / 126	Total Backsights = + 2869.528 ✓
7	272	290	573	5	272 / 241	31x2 / 62 / 182	87	930	388	5	113 / 61	52 / 178	Total Foresights = − 687.475 ✓
8	241	212	542	5	265 / 216	49 / 231	47	849	348	5	73 / 21	52 / 230	Diff. Elev. = +2182.053 ✓
9	277	731	578	5	291 / 263	28 / 259	22	601	323	5	36 / 8	28 / 258	Backsight stadia = 319 ✓
10	296	662	597	5	296 / 281	15x2 / 30 / 289	20	972	321	5	34 / 6	28 / 286	Foresight Stadia = 318
11	292	647	593	5	292 / 277	15x2 / 30 / 319	130	509	431	5	146 / 114	32 / 318	Total Stadia = 637 meters
	2869	528					687	475					BM34-24B. Palos Verdes Dr. S. 21 Mile W'ly of W. entrance to Marineland.
BM34-24B													See F.B. 2851-~~20~~ 19

WEATHER Clear-Windy INST. NO. 96716
TIME 2:35-3:05 ROD NO. 9-19
NOTES CHKD [signature] DATE AUG 3 '64

F.B. 2851 PG. 104 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES F.E.B.
INDEXED [signature] J. GAUL DATE

76P526B CE # 308 8-59

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F.E. Brooks WEATHER Overcast INST. NO. 2671
NOTES BY F.E. Brooks DATE 20 June 1964 TIME 1:55 - 2:20 ROD NO. 9-12
INDEXED DATE NOTES CHKD L. GANN DATE AUG 3 '64
F.B. 2851 PG. 105

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT		MIC.	LEFT		STADIA	RIGHT		MIC.	LEFT		STADIA	FROM BM 34-26 TO BM 34-25A
BM 34-26													BM 34-26
													Palos Verdes Dr. S. at Pt. Vicente
1	19	820	320	5	28 18	10	252	500	553	5	242	20	Lighthouse Res. See F.B 1355-28
2	79	248	380	5	92 66	26 46	151	950	452	5	138	20 46	T Kapp
	99	068	-				404	466	✓				
BM 34-25A													BM 34-25 A
													Palos Verdes Dr. S. at Pt. Vicente
													Lighthouse Res See F.B. 1355-29

Summation of Run
From B.M. 34-26
To B.M. 34-25 A

Total Backsights = + 99.068 ✓
Total Foresights = − 404.466 ✓
Diff. Elev. = −305.398 ✓

Backsight stadia = 44 ✓
Foresight Stadia = 46 ✓
Total Stadia = 90 meters

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-25A TO BM 34-26
BM34-25A													BM 34-25 A (USC&GS VICENTE
													Palos Verdes Dr. S. Pt. Vicente
1	151	619	452	5	164 138	26	77	059	378	5	90 64	26	Lighthouse Reservation
													See F.B. 1355-49
2	253	860	554	5	264 247	22 48	27	057	324	5	32 14	18 44	
													π Kapp
	405	479					100	112					
BM34-26													BM 34-26
													Palos Verdes Dr. S. at Pt
													Vicente Lighthouse Res.
													See F.B. 1355-28
													Summation of Run
													From B.M. 34-25A
													To B.M. 34-26
													Total Backsights = + 405.479
													Total Foresights = − 100.112
													Diff. Elev. = + 305.367
													Backsight stadia = 48
													Foresight Stadia = 44
													Total Stadia = 92 meters

F.B. 2851 PG. 106

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY E. E. Brook NOTES

INDEXED [illegible] DATE

WEATHER Overcast INST. NO. 96716

TIME 2:00-2:05 ROD NO. 9-19

NOTES CHKD [illegible] DATE AUG 3 '64

76P526B CE # 308 8-59

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks
NOTES BY F. E. Brooks DATE 26 June 1964 WEATHER Overcast INST. NO. 2171
TIME 2:05 — 2:13 ROD NO. 9-19
INDEXED DATE NOTES CHKD DATE AUG 3 '64
F.B. 1355 PG. 10

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 34-26 TO BM 34-26A
BM 34-26													BM 34-26
													Palos Verdes Dr. S. and Pt. Vicente
1	104	300	405	5	108 / 102	6	109	752	410	5	113 / 105	8	Light house Reservation
													See F.B. 1355-28
2	252	736	553	5	256 / 248	20 / 28	62	960	363	5	72 / 52	20 / 28	
													T. Kapp
3	271	492	572	5	284 / 258	26 / 54	47	469	348	5	61 / 33	28 / 56	
4	266	259	567	5	275 / 257	18 / 72	35	724	336	5	44 / 26	18 / 74	
5	295	692	596	5	295 / 285	10 x 2 / 20 / 92	86	031	369	5	76 / 56	20 / 94	
	1190	478					321	536					
BM 34-26A													BM 34-26A
													Palos Verdes Dr. S. at Pt. Vicente
													Lighthouse Res.
													See F.B. 1355-28

Summation of Km
From B.M. 34-26
To B.M. 34-26A

Total Backsights = 1190.478
Total Foresights = 321.536
Diff. Elev. = +868.942

Backsight stadia = 92
Foresight Stadia = 94
Total Stadia = 186 meters

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear-Windy INST. NO. 96716
TIME 12:5-2:30 ROD NO. 9-19
NOTES CHKD RLB DATE 3 6A

F.B. 2951 PG. 108 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. Brooks NOTES F.E.B.
INDEXED G. J. Gatti DATE

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-26A TO BM 34-26
BM 34-26A													BM 34-26A Palos Verdes Dr. S. at Pt Vicente Lighthouse Res. See F.B. 1755-28
1	64	930	365	5	74 / 54	20	291	188	592	5	291 / 271	20	
2	32	100	333	5	42 / 22	20 / 40	267	716	568	5	276 / 258	18 / 38	
3	52	332	353	5	65 / 39	26 / 66	275	365	576	5	299 / 261	28 / 66	
4	64	591	365	5	74 / 54	20 / 86	254	388	555	5	264 / 244	20 / 86	
5	111	710	412	5	115 / 169	8 / 94	105	930	406	5	110 / 100	10 / 96	✓
	325	653 ✓					1194	577 ✓					
BM 34-26													BM 34-26 Palos Verdes Dr. S. and Pt. Vicente Light house Res. See F.B. 1955-28

Summation of Run
From B.M. 34-26A
To B.M. 34-26

Total Backsights = 325.653 ✓
Total Foresights = 1194.577 ✓
Diff. Elev. = − 868.924 ✓

Backsight stadia = 94 ✓
Foresight Stadia = 96 ✓
Total Stadia = 190 ✓

76P526B CE # 308 8-59

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L. A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks
NOTES BY E. E. Brooks DATE 22 June 1961 WEATHER Overcast INST. NO. 92171
INDEXED DATE NOTES CHKD R. J. Gall DATE AUG 3 '61 ROD NO. 9-19
F.B. 2857 Pg. 102

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-26A TO BM 34-27A
BM 34-26A													BM 34-26 A Palos Verdes Dr. S. at Pt. Vicente Lighthouse Reservation See F. B. 1355-28
1	186	291	487	5	205 117	88	71	338	372	5	91 51	40	
2	275	721	576	5	286 264	22 110	30	775	331	5	41 19	22 62	T Kapp
3	291	170	592	5	298 284	14 124	131	280	432	5	138 124	14 76	
4	286	401	587	5	286 262	24x2 48 172	19	560	320	5	42 19	23x2 46 122	Summation of Km From B.M. 34-26A To B.M. 34-27A
5	301	750	602	5	301 287	14x2 28 150	9	692	310	5	23 9	14x2 28 150	
6	280	221	581	5	297 267	30 180	20	149	321	5	34 6	28 178	
7	282	485	583	5	297 277	20 200	37	121	336	5	53 21	32 210	Total Backsights = + 3265.035 Total Foresights = − 463.533 Diff. Elev. = +2791.502
8	278	689	579	5	278 252	26x2 52 256	12	417	313	5	38 12	26x2 52 260	
9	279	928	580	5	295 263	32 288	20	602	321	5	35 5	30 290	Backsight stadia = 394 Foresight Stadia = 396 Total Stadia = 790 meters
10	278	769	579	5	292 269	23 311	8	368	309	5	23 8	15x2 30 320	
11	259	009	560	5	276 242	34 352	78	251	379	5	54 22	32 352	
12	254	613	555	5	275 233	42 394	104	140	365	5	65 43	22 396	BM 34-27A (USC&GS 5-1053) Palos Verdes Dr. W. and Hawthorne Blvd. See F.B. 1355-56
	3255	035					463	533					
BM 34-27A													

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LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA	
BM34-27A												
1	67	372	368	5	88 / 46	42	257	892	558	5	278 / 236	42
2	58	800	359	5	74 / 42	32 / 74	249	458	550	5	265 / 233	32 / 74
3	5	570	306	5	20 / 5	15x2 / 30 / 104	286	355	587	5	300 / 272	28 / 102
4	7	455	308	5	22 / 7	15x2 / 30 / 134	299	570	600	5	299 / 283	16x2 / 32 / 134
5	42	599	343	5	68 / 16	52 / 186	296	028	597	5	296 / 270	26x2 / 52 / 186
6	50	470	351	5	66 / 34	32 / 218	299	428	600	5	299 / 284	15x2 / 30 / 216
7	38	728	339	5	51 / 25	26 / 244	295	900	596	5	295 / 282	13x2 / 26 / 242
8	32	768	333	5	46 / 18	28 / 272	299	450	600	5	299 / 285	14x2 / 28 / 270
9	14	688	315	5	36 / 14	22x2 / 44 / 316	297	724	598	5	297 / 272	25x2 / 50 / 320
10	124	479	425	5	132 / 116	16 / 332	293	658	594	5	300 / 286	14 / 334
11	30	211	331	5	42 / 18	24 / 356	273	773	574	5	284 / 262	22 / 356
12	77	391	374	5	93 / 53	40 / 396	~~188~~		~~48~~			
	546	531					188	760	489	5	208 / 168	40 / 396
							3337	996				
BM34-26A												

DESCRIPTION AND REMARKS

FROM BM34-27A TO BM34-26A

BM 34-27A (USCGGS S 1053, Palos Verdes Dr. W and Hawthorne Blvd. See F.B. 1355-50

Summation of Run
From B.M. 34-27A
To B.M. 34-26A

Total Backsights = + 546.531
Total Foresights = − 3337.996
Diff. Elev. = − 2791.465

Backsight stadia = 396
Foresight Stadia = 396
Total Stadia = 792 Meters

BM34-26A
Palos Verdes Dr. S. at Pt. Vicente Lighthouse Res. See F.B. 1355-28

F.B. 2851 PG. 710
JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. Brooks NOTES F.E.B.
INDEXED C. J. GAGE DATE
WEATHER Clear
TIME 1:30-2:10
NOTES CHKD [signature]
INST. NO. 96710
ROD NO. 9-19
DATE AUG 3 '64

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY E. E. Brooks WEATHER Clear INST. NO. 9611

NOTES BY E. E. Brooks DATE 3 July 1964 TIME 10:20 – 11:00 ROD NO. 9-19

INDEXED DATE NOTES CHKD. DATE AUG 3 '64

F.B. 1351 PG. 111

STATION	BACKSIGHT					FORESIGHT					DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA	RIGHT	MIC.	LEFT		STADIA	FROM BM34-27A TO BM34-28
BM34-27A											BM 34-27A (USC&GS 5-1053) Palos Verdes Dr. W. and Hawthorne Blvd. See F.B. 1365-50
1	184	439	485	5	212 152 50	1079	783	480	5	208 150 58	
2	275	201	576	5	302 248 54 110	36	452	337	5	43 9 34 112	T Kapp
3	182	810	483	5	207 157 50 160	137	178	438	5	162 112 50 162	
4	86	153	387	5	112 60 52 212	223	961	524	5	247 199 48 210	Summation of Run From B.M. 34-27A To B.M. 34-28
5	92	570	393	5	116 68 48 260	256	449	557	5	279 233 46 256	
6	124	089	425	5	149 99 49 309	161	080	462	5	180 130 50 306	
7	209	64	510	5	234 184 50 359	134	939	435	5	158 110 48 354	Total Backsights = + 1656.935 ✓
8	238	538	539	5	261 215 46 405	94	391	395	5	120 68 52 406	Total Foresights = – 1682.535 ✓
9	76	302	377	5	104 52 48 453	283	230	584	5	283 255 28×2 56 462	Diff. Elev. = – 25.600 ✓
10	186	429	487	5	190 182 8 461	175	272	476	5	179 177 4 466	Backsight stadia = 461 ✓
	1656	935 ✓				1682	535 ✓				Foresight Stadia = 466 ✓
											Total Stadia = 927 meters
BM34-28											BM34-28 Palos Verdes Dr. W. 1.0 Mi. N. of PH Victoria Lighthouse See F.B. 1365-31

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM34-28													FROM BM34-28 TO BM34-27A
													BM 34-28
1	184	667	485	5	187 / 181	6	190	300	491	5	193 / 187	6	Palos Verdes Dr. W. 1.0mi N. of Pt. Vicente Lighthouse
													See F.B. 1355-31
2	282	340	583	5	282 / 259	23x2 / 46	80	570	381	5	104 / 56	48	
						52						54	π Kapp
3	90	278	391	5	115 / 65	50	236	189	537	5	260 / 212	48	
						102						102	
4	134	318	435	5	158 / 110	48	207	086	508	5	232 / 182	50	Summation of Run
						150						152	From B.M. 34-28
5	160	550	461	5	185 / 135	50	124	306	425	5	148 / 100	48	To B.M. 34-27A
						200						200	
6	248	820	549	5	271 / 225	46	81	322	382	5	105 / 57	48	
						246						248	Total Backsights = + 1638.789 ✓
7	215	401	516	5	239 / 191	48	81	710	382	5	107 / 55	52	Total Foresights = − 1613.189 ✓
						294						300	Diff. Elev. = + 25.600 ✓
8	134	789	435	5	160 / 108	52	180	379	481	5	204 / 156	48	
						346						348	
9	24	656	325	5	51 / 24	27x2 / 54	262	848	563	5	288 / 236	52	
						400						400	Backsight stadia = 458 ✓
10	162	970	463	5	191 / 133	58	168	479	469	5	196 / 140	56	Foresight Stadia = 456 ✓
	1638	789				458	1613	189				456	Total Stadia = 914 ✓
BM34-27A													BM34-27A (USC&GS S 1053)
													Palos Verdes Dr. W. and Hawthorne Blvd.
													See F.B. 1355-50

F.B. 2851 PG. 112 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY E. E. Brooks NOTES M. Bustrom

INDEXED J. J. GARY DATE

WEATHER Clear INST. NO. 96716

TIME 11:00 - 11:40 ROD NO. 9-19

NOTES CHKD [illegible] DATE AUG 3 '64

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY E. E. Brook

NOTES BY M. Bustrum DATE 7-3-64

INDEXED DATE

WEATHER Cl. Hdr

TIME 11:05-11:30

NOTES CHK'D J. GAHL DATE

F.B. 2851 PG. 113

INST. NO. 96716

ROD NO. 9-19

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA	
BM 34-28												
1	299	407	600	5	299 286	13x2 26	125	940	426	5	138 112	26
2	168	560	469	5	192 144	48	118	540	419	5	142 94	48
3	226	509	527	5	250 202	74 48	56	768	357	5	80 32	74 48
4	279	768	580	5	279 254	122 25x2 50	53	641	354	5	78 28	122 50
5	227	191	528	5	251 203	172 48	114	719	415	5	138 90	172 48
6	174	632	475	5	199 149	220 50	144	691	445	5	168 119	220 49
7	156	882	457	5	179 133	270 46	240	260	541	5	264 216	269 48
8	68	790	369	5	91 45	316 46	166	666	467	5	190 142	317 48
9	146	103	447	5	158 134	362 24	80	587	381	5	91 69	365 22
	1747	842				386	1101	812				387
BM 34-29A												

DESCRIPTION AND REMARKS

FROM BM 34-28 TO BM 34-29A

BM 34-28
Palos Verdes Dr. W. 1.0 mile N. of Pt. Vicente Lighthouse
See F.B. 1355-31

π Kapp

Summation of Run
From B.M. 34-28
To B.M. 34-29A

Total Backsights = + 1747.842
Total Foresights = − 1101.812
Diff. Elev. = + 646.030

Backsight stadia = 386
Foresight Stadia = 387
Total Stadia = 773 meters

BM 34-29A
Palos Verdes Dr. W. 239± Ft S of Palos Verdes Estates City limits
See FB 2851-17

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 2851 PG. 114 JOB NO. 6301.02

SURVEY OF L.A.Co. Precise Lev. Net

SURVEY BY Levels & Bms. NOTES M. Bustrum

INDEXED J. Gault DATE

WEATHER Clear INST. NO. 26716

TIME 2:00 - 2:45 ROD NO. 9-19

NOTES CHKD. DATE AUG 3 '64

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-29A TO BM 34-28
BM 34-29A													BM 34-29A Palos Verdes Dr W. 239± Ft. S. of Palos Verdes Estates City Limits See FB 2851-17
1	82	448	383	5	94 70	24	147	647	448	5	158 136	22	
2	163	460	464	5	187 139	48 72	65	542	366	5	88 42	46 68	
3.	226	104	527	5	249 203	46 118	140	131	441	5	164 116	48 116	A Brooks
4.	129	956	430	5	153 105	48 166	162	735	463	5	187 137	50 166	Summation of Rem From B.M. 34-29A To B.M. 34-28
5.	112	056	413	5	136 88	48 214	225	056	526	5	249 201	48 214	
6.	51	422	352	5	76 26	50 264	277	921	578	5	302 252	50 264	Total Backsights = + 1054.851 Total Foresights = − 1701.021 Diff. Elev. = − 646.170
7.	57	125	358	5	81 33	48 312	222	745	523	5	246 198	48 312	
8.	103	578	404	5	127 79	48 360	158	243	459	5	181 135	46 358	
9.	128	702	429	5	142 114	28 388	300	961	601	5	300 207	132 26 384	Backsight Stadia = 388 Foresight Stadia = 384 Total Stadia = 772 meters
	1054	851					1701	021					
BM 34-28													BM 34-28 Palos Verdes Dr W. 1.0 mile N. of point Vincente Light-house. See FB 1355-31

76P526B CE # 308 6-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM34-29A TO BM34-30A
BM34-29A													BM34-29A Palos Verdes Dr. W. 239 ± ft S of Palos Verdes Estates City Limits. See F.B. 2851-17
1	208	628	509	5	219 197	22	108	271	409	5	118 98	20	
2	272	125	573	5	295 249	46 68	88	350	389	5	111 65	46 66	π Kapp
3	154	381	455	5	177 131	46 114	248	193	549	5	272 224	48 114	
4	50	946	351	5	73 27	46 160	243	391	544	5	267 219	48 162	Summation of Run From B.M. 34-29A To B.M. 34-30A
5	89	080	390	5	111 67	44 204	211	270	512	5	235 187	48 210	
6	~~290~~ 230	532	594	5	254 206	48 252	71	242	372	5	93 49	44 254	Total Backsights = + 1306.310 Total Foresights = − 2218.668 Diff. Elev. = − 912.358
7	129	533	430	5	157 106	46 298	301	581	602	5	301 279	22x2 44 298	
8	24	059	325	5	47 24	23x2 46 344	287	109	588	5	287 263	24x2 48 346	1 hr. for lunch
9	81	308	382	5	105 57	48 392	222	911	523	5	245 199	46 392	
10	38	140	339	5	58 18	40 432	287	232	588	5	287 267	20x2 40 432	Backsight stadia = 476 Foresight Stadia = 480 Total Stadia = 956 meters.
11	27	578	328	5	49 5	44 476	149	118	450	5	173 125	48 480	
	1306	310					2218	668					
BM34-30A													BM 34-30A Palos Verdes Dr W and Via Zumaya See F.B. 1355-50A

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

SURVEY BY F. E. Brooks

NOTES BY F. E. Brooks DATE 8 July 1964

INDEXED DATE

WEATHER Clear

TIME 11:35-1:25

NOTES CHKD. [illegible] DATE

INST. NO. 92716

ROD NO. 9-19

F.B. 2851 PG. 115

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM34-30A													FROM BM34-30A TO BM34-29A
													BM34-30A
1.	139	903	440	5	162 116	46	28	078	329	5	50 6	44	Palos Verdes Dr W. and Via Zumaya
													see F.B. 1355-50A.
2.	279	962	580	5	299 259	40	21	109	322	5	41 21	20x2 40	π Brooks
						86						84	
3.	234	766	535	5	257 211	46	88	668	389	5	112 64	48	
						132						132	
4.	265	313	566	5	289 241	48	6	694	307	5	29 6	23x2 46	
						180						178	Summation of Eng
5.	296	366	597	5	296 274	22x2 44	124	525	425	5	147 101	46	From B.M. 34-30A
						224	~~213~~	~~572~~	~~514~~		~~236 190~~	224	To B.M. 34-29A
6.	54	272	355	5	77 31	46	213	572	514	5	236 190	46	
						270						270	
7.	207	072	508	5	232 182	50	84	874	385	5	106 62	44	
						320						314	Total Backsights = + 2114.931 ✓
8.	233	882	534	5	256 210	46	~~51~~	~~124~~	~~352~~	~~5~~	~~75 27~~	~~48~~	48 Total Foresights = − 1202.630 ✓
						366	41	362	342	5	65 17	~~362~~	362 Diff. Elev. = + 912.301 ✓
9.	244	143	545	5	268 220	48	150	038	451	5	174 126	48	
						414						410	
10.	84	424	385	5	106 62	44	268	970	569	5	293 245	48	Backsight stadia = 478 ✓
						458						458	Foresight Stadia = 480 ✓
11.	74	828	375	5	84 64	20	174	740	475	5	185 163	22	Total Stadia = 958 meters
	2114	931				478	1202	630				480	
BM34-29A													BM34-29A
													Palos Verdes Dr. W. 139 ft ± S of
													Palos Verdes Estates City Limits
													see F.B. 2851-107

WEATHER Cloudy INST. NO. 96716
TIME 1:00-2 ROD NO. 9-19
NOTES CHKD [signature] DATE AUG 3 '64

F.B. 2851 PG. 116 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES M. Bustrum
INDEXED J. GAMI DATE

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA	
BM34-30A												
1	40	257	341	5	64 16	48	246	087	547	5	270 222	48
2	53	708	354	5	72 34	38 86	289	292	590	5	289 220	19x2 38 86
3	30	009	331	5	47 13	34 120	299	568	600	5	299 280	19x2 38 124
4	144	541	445	5	167 121	46 166	137	601	438	5	160 114	46 170
5	246	873	547	5	258 234	24 190	56	124	357	5	67 45	22 192
6	274	210	575	5	285 263	22 212	37	939	338	5	49 25	24 216
7	254	103	555	5	263 245	18 230	67	082	368	5	76 58	18 234
8	225	233	526	5	242 208	34 264	119	183	420	5	137 101	36 270
	1268	934					1252	876				

DESCRIPTION AND REMARKS

FROM BM34-30A TO BM34-31

BM 34-30 A
Palos Verdes Dr. W. and Via Zumaya See F.B 1355-50A

π Kapp

...mation of Run
From B.M. 34-30A
To B.M. 34-31

Total Backsights = + 1268.934
Total Foresights = − 1252.876
Diff. Elev. = + 16.058

Backs...
Foresight Stadia = 264
Total Stadia = 270
534 meters

BM 34-31

BM 34-31 (USC&GS.) D-169
Palos Verdes Dr. W 410 FT
S'ly of Via Carillo
See F.B 1355-34

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY L. E. Brook
NOTES BY M. Bustrum DATE 7-3-64
INDEXED DATE
WEATHER Clear
TIME 1:35 - 2:00
NOTES CHKD J. GAIL
INST. NO. 9671
ROD NO. 9-19
F.B. 2851 PG. 117
AUG 3 '64

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-31 TO BM 34-30A
BM 34-31													BM 34-31 (USC&GS D-169)
													Palos Verdes Dr. W 410F
1.	125	958	426	5	143 / 107	36	230	389	531	5	246 / 214	32	± S'ly of Via Carrillo
													See FB 1355-34
2.	62	655	363	5	71 / 53	18	253	120	554	5	263 / 243	20	
						54						52	
3.	43	575	344	5	55 / 31	24	274	157	575	5	285 / 263	22	Summation of Bm
						78						74	From B.M. 34-31
4.	38	708	339	5	49 / 27	22	236	749	537	5	247 / 225	22	To B.M. 34-30A
						100						96	
5.	129	912	430	5	151 / 107	44	128	728	429	5	152 / 104	48	π Brooks
						144						144	Total Backsights = + 1205.716
6.	288	389	589	5	288 / 269	19 x 2 / 38	27	270	328	5	44 / 10	34	Total Foresights = − 1221.985
						182						178	Diff. Elev. = − 16.269
7.	277	579	578	5	295 / 259	36	35	813	336	5	55 / 15	40	
						218						218	
8.	238	940	539	5	262 / 214	48	35	689	336	5	59 / 11	48	
	~~1205~~	~~716~~				266	1221	985				266	Backsight stadia = 266
	1205.716												Foresight Stadia = 266
													Total Stadia = 532 meters
BM 34-30A													BM 34-30A
													Palos Verdes Dr. W &
													Via Zumaya
													See FB 1355-50A

WEATHER overcast INST. NO. 96716
TIME 10:40 11:30 ROD NO. 9-19
NOTES CHKD [illegible] DATE AUG 3 '64

JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brook NOTES M. Bustrum
INDEXED [illegible] DATE

F.B. 2851 PG. 118

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-31 TO BM 34-31 A
BM34-31													BM 34-31, (USC&GS D-169) Palos Verdes Dr. W. 410± ft. S'ly of Via Carrillo See F.B. 1355-34
1	231	143	532	5	248 214	34	82	180	383	5	102 62	40	
2	270	159	571	5	288 252	36	31	621	332	5	47 15	32	⊼ Kapp
	501	302				70	113	801				72	
													...ion of [redacted] From B.M. 34-31 To B.M. 34-31A
BM 34-31A													BM 34-31A Palos Verdes Dr. W. & Via Carrillo See F.B. 2851-16
													Total Backsights = + 501.302 Total Foresights = − 113.801 Diff. Elev. = + 387.501
													Backsight stadia = 70 Foresight Stadia = 72 Total Stadia = 142 meters

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

SURVEY BY E. E. Brook

NOTES BY M. Bustrum DATE 7-3-64

INDEXED DATE

WEATHER Cl & dr

TIME 2:00 - 2:10

NOTES CHKD [redacted] J. [redacted] DATE AUG 3 '64

F.B. 2851 PG. 119

INST. NO. 9671

ROD NO. 9-19

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-31A TO BM 34-31
BM34-31A													BM 34-31A
													Palos Verdes Dr W
1.	23	022	324	5	39 23	16x2 32	260	088	561	5	276 244	32	and Via Carrillo
													See FB 2851-16
2.	77	148	378	5	97 57	40	227	508	528	5	245 209	36	π Brooks
	100	170				72	487	596				68	
													Summation of Run
													From B.M. 34-31A
													To B.M. 34-31
BM34-31													BM 34-31 (USC&GS. D169)
													Palos Verdes Dr. W 410
													FT. S'ly of Via Carrillo
													See FB 1355-34
													Total Backsights = + 100.170
													Total Foresights = − 487.596
													Diff. Elev. = −387.426
													Backsight Stadia = 72
													Foresight Stadia = 68
													Total Stadia = 140 meters

F.B. 2851 PG. 140 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY F. E. Brooks NOTES M. Bustrum

INDEXED [illegible] DATE

WEATHER overcast INST. NO. 96716

TIME 10:35 - 10:45 ROD NO. 8-19

NOTES CHKD [illegible] DATE AUG 3 64

76P526B CE # 308 8-59

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

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

Do not extend notes this side of this line.

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

SURVEY BY F. E. Brooks WEATHER Clear INST. NO. 96176

NOTES BY F. E. Brooks DATE 3 July 1964 TIME 2:20 - 2:55 ROD NO. 9-17

INDEXED DATE NOTES CHKD. J. CAIN DATE AUG 3 '64

F.B. 2857 PG. 121

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM 34-31A TO BM 34-32
BM 34-31A									BM 34-31A Palos Verdes Dr. W. and Via Carrillo See F.B. 2851-16
1	193	811	494 5	219 / 167 52	177	609	398 5	104 / 50 54	
2	282	890	583 5	282 / 259 23 46 98	29	310	330 5	52 / 6 46 100	↑ Kapp
3	293	910	594 5	293 / 272 21 42 140	38	891	339 5	60 / 16 44 144	
4	254	332	555 5	278 / 230 48 88	158	230	459 5	181 / 135 46 190	Summation of Dm From B.M. 34-31A To B.M. 34-32
5	105	488	406 5	128 / 82 46 234	229	309	530 5	253 / 205 48 238	
6	131	640	432 5	155 / 107 48 282	32	774	333 5	54 / 10 44 282	
7	280	729	581 5	294 / 266 32 314	22	808	323 5	37 / 7 30 312	Total Backsights = + 2067.544 Total Foresights = − 1091.141 Diff. Elev. = + 976.403
8	293	150	594 5	293 / 277 16 32 346	111	368	412 5	129 / 93 36 348	
9	96	966	397 5	119 / 73 46 392	237	410	538 5	258 / 216 42 390	
10	134	720	435 5	144 / 124 20 412	153	432	454 5	164 / 142 22 412	Backsight stadia = 412' Foresight Stadia = 412' Total Stadia = 824 meters
	2067	544 ✓			1091	141 ✓			
BM 34-32 ~~34-31~~									BM 34-32 Palos Verdes Dr. W. at house # 1717 See F.B. 1355-35

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 1851 PG. 122 JOB NO. 2301.02 DATE 8/17/16

SURVEY OF L.A. Co. Precise Level Net INST. NO. 9-19

SURVEY BY E. E. Brooks NOTES M. Rustuna ROD NO. 9-19

INDEXED B. J. GALL DATE JUL 3 '64 NOTES CHKD. DATE

WEATHER Overcast TIME 9:45 — 10:30

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-32 TO BM 34-31A
BM 34-32													BM 34-32
1.	145	808	446	5	156 134	22	127	490	428	5	138 116	22	Palos Verdes Dr. W. at house #1717 see F.B. 1355-35
2.	229	446	530	5	251 207	44	88	484	389	5	111 66	45	T Brooks
3.	108	695	409	5	126 90	66 36	289	840	590	5	289 273	67 16x2 32	
4.	18	606	319	5	23 18	102 5x2 30	278	034	579	5	292 264	99 28	
5.	28	430	329	5	50 6	132 44	127	345	428	5	151 103	127 48	Summation of Bss From B.M. 34-32 To B.M. 34-31A
6.	229	410	530	5	253 205	176 48	102	992	403	5	125 79	175 46	
7.	156	934	457	5	180 132	224 48	250	807	551	5	274 226	221 48	Total Backsights = + 1064.844 ✓
8.	32	194	333	5	54 10	272 44	292	293	593	5	292 270	269 22x2 44	Total Foresights = — 2040.894 ✓ Diff. Elev. = — 976.050 ✓
9.	37	106	338	5	60 14	316 46	289	820	590	5	289 265	313 24x2 48	
10.	78	215	379	5	104 52	362 52	193	809	494	5	219 167	361 52	Backsight stadia = 414 ✓ Foresight Stadia = 413 ✓
	1064	844				414	1040	894				413	Total Stadia = 817 meters
BM 34-31A													BM 34-31A Palos Verdes Dr. W. and Via Canada. See F.B. 2851-16

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA	
BM 34-32												
1	171	900	472	5	184 159	25	116	305	417	5	128 104	24
2	232	768	533	5	260 204	56 81	64	161	365	5	94 35	59 83
3	259	529	560	5	284 234	50 131	48	459	349	5	172 24	48 131
4	267	067	568	5	292 241	51 182	142	611	443	5	168 116	52 183
5	72	260	373	5	90 54	36 218	278	882	579	5	297 260	37 220
6	9	921	310	5	28 9	19x2 38 256	219	972	520	5	240 199	41 261
7	98	513	399	5	128 68	60 316	190	897	491	5	218 163	55 316
8	130	049	431	5	154 106	48 364	106	991	407	5	132 82	48 364
9	272	460	573	5	290 254	36 400	20	375	321	5	39 20	19x2 38 402
10	283	568	584	5	294 271	23 423	171	293	472	5	182 160	22 424
11	300	359	601	5	300 284	16x2 32 455	63	819	364	5	78 48	30 454
	2098	394					1423	765				
BM 34-33												

DESCRIPTION AND REMARKS

FROM BM 34-32 TO BM 34-33

BM 34-32 (USC&GS E-169)
Palos Verdes Dr. W. at house #1717 see F.B. 1355-35

T Valdez

Summation of Sum
From B.M. 34-32
To B.M. 34-33

Total Backsights = + 2098.394
Total Foresights = − 1423.765
Diff. Elev. = + 674.629

Backsight stadia = 455
Foresight Stadia = 454
Total Stadia = 909 meters

BM 34-33 (USC&GS F169)
Palos Verdes Dr. W and Paseo Del Mar. See F.B. 1355-36

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks
NOTES BY F. E. Brooks DATE 21 July 1964
INDEXED DATE
WEATHER Clear
TIME 1:15 - 2:05
NOTES CHKD. [illegible] DATE [illegible] 3 64
INST. NO. 96[illegible]
ROD NO. 9-19
F.B. 2851 PG. 123

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 34-33 TO BM 34-32
BM 34-33													BM 34-33 (USC&GS F-169) Palos Verdes Dr W and Pasco Del Mar. See F.B. 1355-36
1	69	667	370	5	84 / 54	30	285	224	586	5	301 / 269	32	
2	141	342	442	5	152 / 130	22 / 52	270	762	571	5	281 / 259	22 / 54	
3	20	659	321	5	390 / 20	19x2 / 38 / 90	276	635	577	5	294 / 258	36 / 90	Kapp
4	134	716	435	5	158 / 110	48 / 138	173	289	474	5	198 / 148	50 / 140	Summation of Run From B.M. 34-33 To B.M. 34-32
5	203	114	504	5	229 / 177	52 / 190	104	609	405	5	129 / 78	51 / 191	
6	196	478	497	5	216 / 176	40 / 230	41	648	342	5	60 / 22	38 / 229	Total Backsights = + 1410.161
7	300	000	601	5	300 / 278	22x2 / 44 / 274	26	686	327	5	48 / 26	22x2 / 44 / 273	Total Foresights = − 2084.586
8	132	907	433	5	157 / 107	50 / 324	260	306	561	5	285 / 235	50 / 323	Diff. Elev. = − 674.425
9	38	493	339	5	63 / 13	50 / 374	248	977	549	5	272 / 224	48 / 371	Backsight stadia = 454
10	57	956	358	5	85 / 29	56 / 430	226	762	527	5	256 / 196	60 / 431	Foresight Stadia = 455
11	115	429	416	5	127 / 103	24 / 454	169	688	470	5	181 / 157	24 / 455	Total Stadia = 909 meters
	1410	161					2084	586					BM 34-32 (USC&GS F-169) Palos Verdes Dr. W. at house # 1717 See F.B. 1355-35
BM 34-32													

F.B. 2851 PG. 124

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY F. E. Brooks NOTES F. E. Brooks

INDEXED [illegible] DATE

WEATHER Overcast INST. NO. 96716

TIME 9:00 - 9:45 ROD NO. 8-19

NOTES CHKD [illegible] DATE AUG 3 '64

76P526B CE # 308 6-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY F. E. Brooks

NOTES BY F. E. Brooks DATE 23 July 1964

INDEXED DATE

WEATHER Hazy

TIME 9:10 - 10:00

NOTES CHKD. E. J. GAUL DATE AUG 3 '64

F.B. 2857 PG. 125

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM34-33 TO BM34-34
BM 34-33													BM 34-33 (USC&GS F-169)
1	189	970 ~~907~~	490	5	207 171	36	8	099	309	5	26 8	18x2 36	Palos Verdes Dr. W. and Paseo Del Mar See F.B. 1355-36
2	240	509	541	5	260 221	39 75	172	251	473	5	191 152	39 75	T Valdez
3	50	759	351	5	69 32	37 112	289	081	590	5	289 271	18x2 36 111	
4	36	527	337	5	52 20	32 144	269	196	570	5	284 253	31 142	
5	88	819	389	5	104 72	32 176	169	397	470	5	185 153	32 174	Summation of Bm From B.M. 34-33 To B.M. 34-34
6	144	675	445	5	159 128	31 207	176	542	477	5	193 160	33 207	
7	252	050	553	5	267 237	30 237	41	980	342	5	56 26	30 237	Total Backsights = + 2234.419
8	268	319	569	5	283 254	29 266	63	103	364	5	78 49	29 266	Total Foresights = − 1580.039
9	226	360	527	5	241 211	30 296	126	443	427	5	141 111	30 296	Diff. Elev. = + 654.380
10	191	050	492	5	206 176	30 326	125 ~~126~~	958 ~~020~~	426 ~~427~~	5 ~~5~~	141 109	32 328	Backsight stadia = 378
11	243	549	544	5	258 228	30 356	2	787	303	5	17 2	15x2 30 358	Foresight Stadia = 384
12	301	832	602	5	301 290	11x2 22 378	135 ~~134~~	202	436	5	148 122	26 384	Total Stadia = 762 meters
	2234	419					1580	039					BM 34-34 (USC&G.S F788) Palos Verdes Dr. W. and Via Montemar See F.B. 1355-
BM 34-34													

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 34-34 TO BM 34-33
BM34-34													BM34-34 (USC&GS F-788
													Palos Verdes Dr. W. and Via
1	135	892	436	5	148 122	26	301	769	602	5	301 290	1/2 11 22	Montemar See F.B. 1355-
2	5	582	306	5	20 5	1/2 15 30 56	249	390	550	5	264 234	30 52	T Valdez
3	123	432	424	5	138 108	30 86	186	618	487	5	202 170	32 84	
4	126	500	427	5	141 111	30 116	227	048	528	5	242 212	30 114	
5	62	909	363	5	76 47	29 145	268	121	569	5	282 254	28 142	Summation of Elev From B.M. 34-34 To B.M. 34-33
6	39	383	340	5	54 25	29 174	249	569	550	5	265 234	31 173	
7	170	403	471	5	186 154	32 206	137	949	438	5	153 121	32 205	Total Backsights = + 1575.884 ✓ Total Foresights = − 2230.038 ✓
8	164	422	465	5	178 150	28 234	84	986	385	5	101 67	34 239	Diff. Elev. = −654.154 ✓
9	272	409	573	5	288 256	32 266	38	575	339	5	53 23	30 269	Backsight stadia = 378 ✓ Foresight Stadia = 380 ✓
10	298	740	599	5	298 280	1/2 18 36 302	59	042	360	5	78 40	38 307	Total Stadia = 758 ✓ Meters
11	169	925	470	5	189 149	40 342	239	546	540	5	258 220	38 345	
12	6	287	307	5	24 6	1/2 18 36 378	~~181~~ 187	~~633~~ 425	~~482~~ 488	~~5~~ 5	~~[illegible]~~ 205 170	35 380	BM34-33 Palos Verdes Dr. W. and Paseo
	1575	884					2230	038					Del Mar.
BM34-33													See F.B. 1355-36

WEATHER Clear INST. NO. 96716
TIME 1:35-2:05 ROD NO. 9-19
NOTES CHKD [illegible] DATE AUG 3 '64

F.B. 2851 PG. 126 JOB NO. 0301.02
SURVEY OF F.A. Co. Precise Level Net
SURVEY BY F. E. Brooks NOTES K. M. Kepp
INDEXED C. J. GAILL DATE

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-34 TO BM 34-34A
BM 34-34													BM 34-34 (USC&GS F-788) Palos Verdes Dr. W and Via Montemar See F.B. 1355-37
1	135	227	436	5	148 / 122	26	46	869	347	5	60 / 32	28	π Valdez
BM 34-34A													BM 34-34A Palos Verdes Dr. W. and Via Montemar See F.B. 1355-37

Summation of Run
From B.M. 34-34
To B.M. 34-34A

Total Backsights = + 135.227
Total Foresights = − 46.869
Diff. Elev. = + 88.358

Backsight stadia = 26
Foresight Stadia = 28
Total Stadia = 54 Meters

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

SURVEY BY E. E. Brooks

NOTES BY K.M. Kapp DATE 7-23-64 WEATHER Clear INST. NO. 9671

INDEXED DATE TIME 10:05 ROD NO. 9-19

NOTES CHKD C. I. GAHN DATE AUG 3 '64

F.B. 1357 PG. 124

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-34A TO BM 34-34
BM 34-34A													BM 34-34A Palos Verdes Dr. W and Via Montemar See F.B. 1355-37
1	47	519	348	5	61 33	28	135	866	436	5	148 122	26	
													T Valdez
BM 34-34													BM 34-34 (USC&GS F 788) Palos Verdes Dr. W. and Via Montemar See F.B. 1355-37

Summation of Run
From B.M. 34-34A
To B.M. 34-34

Total Backsights = + 47.519
Total Foresights = − 135.866
Diff. Elev. = − 88.347

Backsight stadia = 28
Foresight Stadia = 26
Total Stadia = 54 Meters

F.B. 2851 PG. 128

JOB NO. 0301.02

SURVEY OF E.A. Co. Precise Level Net

SURVEY BY E. E. Brooks NOTES K. M. Kapp

INDEXED [illegible] DATE

WEATHER Clear INST. NO. 96716

TIME 1:30 ROD NO. 9-19

NOTES CHKD [illegible] DATE AUG 3 '64

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY E. E. Brooks

NOTES BY K. M. Kapp DATE 7-23-64

INDEXED DATE

WEATHER Clear

TIME 10:10 - 11:05

NOTES CHKD C. J. GAIN DATE

F.B. 2851 PG. 129

INST. NO. 9671

ROD NO. 9-19

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS FROM BM 34-34A TO BM 34-35
BM34-34A													BM 34-34A
1	97	770	398	5	112 82	30	195	153	496	5	210 180	30	Palos Verdes Dr. W and Via Montemar See F.B. 1355-37
2	93	173	394	5	108 78	30 60	264	529	565	5	280 249	31 62	T Valdez
3	157 ~~173~~	638 ~~39~~	458	5	171 142	29 89	253	804	554	5	268 239	29 91	
4	78	749	379	5	91 64	27 116	220	998	521	5	234 206	28 119	
5	48	270	349	5	63 33	30 140	292	764	593	5	292 277	1/2 15 30 149	
6	15	194	316	5	30 15	1/2 15 30 176	291	952	592	5	291 277	1/2 14 28 177	
7	9	691	310	5	24 9	1/2 15 30 206	295	181	596	5	295 281	1/2 14 28 205	
8	21	000	322	5	33 9	24 230	301	180	602	5	301 289	1/2 12 24 229	
9	24	453	325	5	33 15	18 248	269	532	570	5	278 260	18 247	
10	179	419	480	5	192 167	25 273	253	514	554	5	264 242	22 269	
11	42	169	343	5	54 31	23 296	229	320	530	5	239 219	20 289	
12	18	452 ~~511~~	319	5	30 6	24 320	286	115	587	5	301 271	30 319	
13	11	940	312	5	29 11	1/2 13 26 346	279	715 ~~747~~	580	5	292 266	26 345	

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-34A TO BM 34-35
14	8	666	309	5	22 8 1/2	346 14 28 374	252	118	553	5	265 239	345 26 371	
15	94	556	395	5	104 84	20 394	198	638	499	5	208 188	20 391	
	901	140					3884	513					
BM 34-35													BM 34-35 (USC&GS 6-76
													Palos Verdes Dr. W. @ House
													#601
													See F.B. 1355-38
													Summation of Run
													From B.M. 34-34A
													To B.M. 34-35
													Total Backsights = + 901.140
													Total Foresights = − 3884.513
													Diff. Elev. = − 2983.373
													Backsight stadia = 394
													Foresight Stadia = 391
													Total Stadia = 785' Meters

F.B. 2851 PG. 130

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY E. E. Brooks NOTES K.M. Kapp

INDEXED C. J. Gatti DATE

WEATHER Clear INST. NO. 9671

TIME 10:10 - 11:05 ROD NO. 9-19

NOTES CHKD [signature] DATE AUG 3 '84

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

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

SURVEY BY F. E. Brooks WEATHER Clear INST. NO. 917

NOTES BY FE13 DATE 24 July 1964 TIME 11:35 - ROD NO. 9-15

INDEXED DATE NOTES CHKD R. J. GAU DATE AUG 3 64

F.B. 1357 PG. 37

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 34-35 TO BM 34-344
BM 34-35													BM 34-35 (USC&GS G-788) Palos Verdes Dr. W. @ House #601
1	203	431	504	5	213 193	20	97	690	398	5	107 89	20	See F.B. 1355-38
2	253	850	554	5	CCC 240	24 44	31	696	332	5	45 13	16 48	T Valder
3	298	947	599	5	298 284	14x2 28 92	30	130	331	5	41 19	22 90	
4	291	200	592	5	291 277	14x2 28 100	24	350	325	5	38 11	27 97	
5	242	929	543	5	252 233	19 119	54	459	355	5	65 44	21 118	
6	271	998	572	5	284 258	26 145	180	202	481	5	192 168	24 142	
7	267	143	568	5	276 258	18 163	35	716	336	5	44 22	18 160	
8	296	210	597	5	296 284	12x2 24 187	~~46~~ ~~35~~	742 ~~518~~	317 ~~336~~	5 ~~5~~	28 9 47 ~~23~~	22 ~~24~~ 182	
9	297	660	598	5	297 284	13x2 26 213	4	389	305	5	19 4	15x2 30 212	
10	298	346	599	5	298 283	15x2 30 247	~~14~~ ~~20~~	896 ~~189~~	315 ~~321~~	5 ~~5~~	28 14 ~~34~~ ~~2~~	14x2 ~~28~~ 240	
11	297	203	598	5	297 221	16x2 32 295	57	621	358	5	71 43	28 268	
12	226	226	527	5	240 212	28 303	78	683	379	5	92 64	28 296	
13	242	103	543	5	256 228	28 771	145	476	446	5	159 131	28 324	

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA 331		RIGHT	MIC.	LEFT.		STADIA 324		FROM BM 34-35 TO BM 34-34
14	252	670	553	5	227 / 238	3 / 29 / 360	93	018	394	5	109 / 77	32 / 356	
15	204	956	505	5	219 / 189	30 / 390	95	870	396	5	111 / 79	32 / 388	
	3944	652					960	838					
BM 34-34A													BM 34-34A Palos Verdes Dr. W. & Via Montemar See F.B. 1355-37

Summation of Run
From B.M. 34-35
To B.M. 34-34A

Total Backsights = + 3944.652
Total Foresights = − 960.838
Diff. Elev. = + 2983.814

Backsight stadia = 390
Foresight Stadia = 388
Total Stadia = 778 meters

F.B. 2851 PG. 132 JOB NO. 0301.02

SURVEY OF E.A. Co. Precise Level Net

SURVEY BY E.E. Brooks NOTES F.E.B.

INDEXED R. A. GANT DATE

WEATHER Clear INST. NO. 9671

TIME 11:35-12:20 ROD NO. 9-15

NOTES CHKD [illegible] DATE AUG 3 '64

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. 0301 02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks WEATHER Clear INST. NO. 9671
NOTES BY DATE 28 July 1964 TIME 9:25- ROD NO. 9-1
INDEXED DATE NOTES CHKD DATE
F.B. 1355 PG. 37

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 34-34A TO BM 34-35
BM 34-34A													BM 34-34A
													Palos Verdes Dr. W. & Via
1	102	150	403	5	117 87	30	211	299	512	5	227 195	32	Montemar
													See F.B. 1355-37
2	98	081	399	5	113 83	30 60	258	116	559	5	273 243	30 62	
													T Kapp
3	148	919	419	5	162 134	28 88	236	458	537	5	250 222	28 90	
4	82	232	383	5	95 69	26 114	239	162	540	5	253 225	28 118	
5	50	020	351	5	65 35	30 144	288	801	589	5	288 273	15x2 30 146	
6	14	150	315	5	29 14	15x2 30 174	290	045	591	5	296 276	14x2 28 186	
7	8	030	309	5	23 8	15x2 30 204	294	275	595	5	294 280	14x2 28 204	
8	26	376	327	5	38 14	24 228	296	920	597	5	296 285	11x2 22 226	
9	17	432	318	5	27 8	19 247	274	741	575	5	283 265	18 244	
10	193	992	494	5	205 181	24 271	285	602	582	5	299 271	28 272	
11	64	328	365	5	74 54	20 291	250	318	551	5	259 241	18 290	
12	25	845	326	5	38 12	26 317	293	458	594	5	297 279	14x2 28 318	
13	28	610	329	5	40 16	24	296	705	597	5	296 283	13x2 26	

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

INST. NO. 9671
ROD NO. 9-19
DATE AUG 3 '64
WEATHER Clear
TIME 9:25-10:10
NOTES CHKD [illegible]

F.B. 2851 PG. 134
JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY F. E. Brooks NOTES FEB
INDEXED [illegible] DATE

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA 341		RIGHT	MIC.	LEFT.		STADIA 344		FROM BM 34-34A TO BM 34-35
14	28	950	329	5	42 14	28 369	236	091	537	5	250 222	28 392	
15	99	930	380	5	90 68	22 ✓ 391	200	115	501	5	210 190	20 ✓ 392	
	969 ✓	647 ✓					3953	206 ✓					
BM 34-35													BM 34-35 (USCF&GS G-788 Palos Verdes Dr. W. E @ House #601 See FB. 1355-38

Summation of Bm
From B.M. 34-34A
To B.M. 34-35

Total Backsights = Hr 969.647 ✓
Total Foresights = − 3953.206 ✓
Diff. Elev. = −2983.559 ✓

Backsight stadia = 391 ✓
Foresight Stadia = 392 ✓
Total Stadia = 783 ✓ metas

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA	
BM 34-35												
1	65	111	366	5	79 / 50	29	254	601	555	5	269 / 239	30
2	117	249	418	5	128 / 105	23 / 52	198	409	499	5	210 / 186	24 / 54
3	96	420	397	5	109 / 83	26 / 78	213	132	514	5	227 / 199	28 / 82
4	50	286	351	5	66 / 34	32 / 110	249	406	550	5	263 / 235	28 / 110
5	56	152	357	5	69 / 43	26 / 136	244	863	545	5	257 / 231	26 / 136
6	20	477	321	5	34 / 6	28 / 164	272	187	573	5	287 / 257	30 / 166
7	15	343	316	5	26 / 4	22 / 186	262	514	563	5	274 / 250	24 / 190
8	37	501	338	5	53 / 22	31 / 217	278	809	579	5	292 / 265	27 / 217
9	45	210	346	5	56 / 34	22 / 239	278	383	579	5	290 / 266	24 / 241
10	~~287~~ 28	~~921~~ 342	~~588~~ 329	~~5~~ 5	~~302~~ ~~272~~ 42 / 14	~~28~~ ~~269~~ 267	287	921	588	5	302 / 272	30 / 241
11	131	212	432	5	139 / 123	16 / 283	171	653	472	5	179 / 163	16 / 287
	663	303					2711	878				
BM 34-36A												

DESCRIPTION AND REMARKS

FROM BM 34-35 TO BM 34-36A

BM 34-35 (USC&GS G-788)
Palos Verdes Dr. W. at house #601 see F.B. 1355-38

⊼ Valdez

Summation of Run
From B.M. 34-35
To B.M. 34-36A

Total Backsights = + 663.303
Total Foresights = − 2711.878
Diff. Elev. = −2048.575

Backsight stadia = 283
Foresight Stadia = 287
Total Stadia = 570 meters.

BM 34-36 A
Palos Verdes Dr. W. 0.5 mi. S'ly Malaga Plaza see F.B. 2851-18

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

SURVEY BY F. E. Brooks

NOTES BY F. E. Brooks DATE 11:40 23 July 1964 WEATHER Hazy

INDEXED DATE TIME 11:10 - 11:45 INST. NO. 96 ROD NO. 9-1

NOTES CHKD R. J. GAIM DATE

F.B. 2851 PG. 135

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 2851 PG. 136 JOB NO. 0301.02

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY E. E. Brooks NOTES K. M. Kapp

INDEXED [illegible] DATE

WEATHER Clear INST. NO. 96716

TIME 10:50 - 11:30 ROD NO. 9-19

NOTES CHKD [illegible] DATE AUG 3 '64

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA	
BM34-36A												
1	153	519	454	5	160 146	14	112	009	413	5	119 104	15
2	287	113	588	5	302 272	30 44	28	118	329	5	42 14	28 43
3	275	959	576	5	287 263	24 68	26	123	327	5	37 15	22 65
4	270	070	571	5	285 255	30 98	45	215	346	5	60 31	29 94
5	256	039	557	5	267 245	22 120	25	589	326	5	36 13	23 117
6	297	650	598	5	297 282	1/2 15 30 150	12	946	313	5	27 12	1/2 15 30 149
7	224	895	525	5	237 212	25 175	31	422	332	5	45 18	27 174
8	230	231	531	5	245 215	30 205	70	699	371	5	85 55	30 204
9	229	391	530	5	243 215	28 233	131	795	432	5	145 118	27 231
10	237	321	538	5	249 224	25 258	117	926	418	5	130 103	27 258
11	257	770	558	5	270 244	26 284	69	491	370	5	84 55	29 287
	2719	958					671	333				
BM34-35												

DESCRIPTION AND REMARKS

FROM BM34-36A TO BM34-35

BM34-36A
Palos Verdes Dr. W. 0.5 mi S'ly
Malaga Plaza
See F.B. 2851-18

π Valdez

Summation of Run
From B.M. 34-36A
To B.M. 34-35

Total Backsights = + 2719.958
Total Foresights = − 671.333
Diff. Elev. = + 2048.625

Backsight stadia = 284
Foresight Stadia = 287
Total Stadia = 571 meters

BM34-35 (USC&GS G-788)
Palos Verdes Dr. W. at house
#601 see F.B. 1355-38

76P526B CE # 308 8-59

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks WEATHER Clear INST. NO. 2677
NOTES BY K. M. Kepp DATE 7-23-64 TIME 1:15-2:05 ROD NO. 9-15
INDEXED DATE NOTES CHKD AUG 3 '64
F.B. 2851 PG. 17

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM 34-36A TO BM 34-37
BM 34-36A									BM 34-36A
1	144	649	445 5	154 112 10 / 144 20	167	450 / 431	468 5	177 / 157 20	Palos Verdes Dr W 0.5 mi E
2	139	870	440 5	155 / 124 31 / 51	75	100	376 5	90 / 60 30 / 50	S'ly of Malaga Plaza
3	227	289	28 530 5	241 / 213 28 / 79	97	032	398 5	111 / 83 28 / 78	Sec F.B. 2851-18
4	229	586	530 5	244 / 214 30 / 109	84	386	385 5	99 / 68 31 / 109	T Valdez
5	208	680	509 5	222 / 194 28 / 137	134	610	435 5	148 / 120 28 / 137	Summation of Run From B.M. 34-36A To B.M. 34-37
6	168	856	469 5	* 183 / 151 32 / 169	146	242	447 5	163 / 129 34 / 171	
7	166	804	467 5	172 / 153 26 / 195	116	209	417 5	129 / 103 26 / 197	N.G.
8	246	118	547 5	259 / 234 25 / 220	46	729	347 5	58 / 34 24 / 221	Total Backsights = + 2844.114
9	298	600	599 5	298 / 284 1/2 14 / 26 / 248	36	000	332 5	44 / 18 26 / 247	Total Foresights = — 1275.738
10	299	430	600 5	299 1/2 / 287 12 / 24 / 272	33 / 33	840 / 466	334 5 / 340 5	45 / 21 24 / 271	Diff. Elev. = +1568.376
11	275	802	576 5	290 / 260 30 / 302	72	638	373 5	88 / 56 32 / 303	Backsight stadia = 374
12	223	772	524 5	239 / 206 33 / 33	129	423	430 5	147 / 112 35 / 338	Foresight Stadia = 378
13	214	650	515 5	233 / 194 39 / 374	141	079	442 5	161 / 121 40 / 378	Total Stadia = 752 Meters
BM 34-37									BM 34-37 (USC&GS @ 169) Palos Verdes Dr. W. & Malaga

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

INST. NO. 9671 ROD NO. 2-19 DATE AUG 3 '64

WEATHER Hazy TIME 12:00 - 10:50 NOTES CHKD [illegible]

F.B. 1851 PG. 138 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY E. E. Brooks NOTES F28

INDEXED E. J. GALLI DATE

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-37 TO BM 34-36A
BM 34-37													BM 34-37 (USC&GS @ 169.
1	143	166	444	5	163 / 123	40	216	400	517	5	235 / 196	39	Palos Verdes Dr. W. & Malago
													Cove Plaza
													See F.B. 1355-40
2	127	005	428	5	145 / 110	35 / 75	221	713	522	5	237 / 204	33 / 72	
													T Valdez
3	77	174	378	5	93 / 61	32 / 104	281	231	582	5	296 / 266	30 / 102	
							296		598	5	296		Summation of Run
4	31	346	332	5	49 / 19	24 / 128	249	769	600	5	299 / 284	1202 / 24 / 126	From B.M. 34-37
													To B.M. 34-36A
5	37	398	334	5	46 / 20	26 / 154	299	986	600	5	299 / 286	1302 / 26 / 156	
6	49	930	350	5	61 / 37	24 / 178	251	361	652	5	264 / 238	26 / 178	Total Backsights = 1309.050
7	117	138	418	5	170 / 144	26 / 204	166	342	467	5	180 / 152	28 / 206	Total Foresights = 2876.970
													Diff. Elev. = -1567.920
8	146	038	447	5	167 / 129	34 / 238	168	792	469	5	185 / 151	34 / 240	
9	133	586	434	5	149 / 118	28 / 266	207	261	502	5	221 / 193	28 / 268	
10	84	159	385	5	100 / 69	31 / 300	248	933	529	5	247 / 213	30 / 298	Backsight stadia = 376'
11	96	668	397	5	110 / 82	28 / 328	226	930	527	5	240 / 212	28 / 326	Foresight Stadia = 376'
													Total Stadia = 752 Meters
12	102	791	403	5	116 / 88	28 / 356	168	000	469	5	183 / 153	30 / 356	
13	166	151	467	5	176 / 156	20 / 376	143	252	444	5	153 / 143	1072 / 20 / 376	BM 34-36A
BM 34-36A	1309	050					2876	970					Palos Verdes Dr. W. 5' 0.5 Mile S'ly, of Malaga Plaza See F.B. #1851 Pg. 18

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY L.E. Brooks WEATHER Clear windy INST. NO. 2117
NOTES BY FEB DATE 24 July TIME 2:30 - 7:15 ROD NO 3-64
INDEXED DATE NOTES CHKD DATE
F.B. 1357 PG. 139

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 34-36A TO BM 34-37
BM 34-36A													BM 34-36A Palos Verdes Dr. W. 0.5 mile S'ly of Malaga Plaza See F.B. 2851-18
1	158	219	459	5	168 178	20	181	340	482	5	192 170	22	
2	138	639	439	5	154 123	31 51	77	831	374	5	88 58	30 52	T Valder
3	225	893	626	6	239 211	28 79	95	253	396	5	111 81	30 82	
4	229	066	530	5	244 214	30 109	84	060	385	5	99 69	30 112	Summation of Sum From B.M. 34-36A To B.M. 34-37
5	206	752	507	5	221 192	29 138	132	870	433	5	145 119	26 138	
6	168	051	469	5	185 152	33 171	145	230	446	5	162 128	34 172	Total Backsights = + 2839.473' Total Foresights = − 1271.406' Diff. Elev. = +1568.067'
7	163	715	464	5	176 150	26 197	113	750	414	5	126 100	26 198	
8	255	946	556	5	269 241	28 225	56	611	357	5	69 45	22 220	
9	286	506	587	5	298 274	24 249	21	199	322	5	75 47	28 248	Backsight stadia = 395' Foresight Stadia = 379' Total Stadia = 754 meters
10	299	056	600	5	299 287	12+2 24 249	90	879	331	5	42 18	24 242	
11	204	919	575	5	289 259	30 307	70	796	371	5	86 54	32 369	
12	218	800	519	5	235 202	33 330	125	166	426	5	143 108	35 339	BM 34-37 (USCGS G.S. G169) Palos Verdes Dr. W and Malaga Cove Plaza See F.B. 1355-40
13	213	910	514	5	233 194	39 369	140	461	441	5	160 120	40 379	
BM 34-37													

F.B. 2851 Pg. 140 JOB NO.

SURVEY OF WEATHER INST. NO.

SURVEY BY NOTES TIME ROD NO.

INDEXED DATE NOTES CHKD. DATE

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403 Los Angeles County Engineering Bldg.

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

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

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

SURVEY BY F. E. Brooks

NOTES BY F. E. Brooks DATE 23 July 1964

INDEXED DATE

WEATHER Clear-Windy INST. NO. 96 716

TIME 2:10-3:00 ROD NO. 9-19

NOTES CHKD. [illegible] DATE AUG 3 '64

F.B. 2851 PG. (41)

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS FROM BM34-37 TO BM34-38
BM 34-37													BM 34-37 (use of GS G169)
1	119	101	420	5	133 / 105	28	181	198	482	5	191 / 168	26	Palos Verdes Dr. W at Malaga Cove Plaza see F.B. 1355-40
2	120	093	421	5	128 / 112	16 / 44	247	093	548	5	254 / 240	14 / 40	π Valdez
3	71	179	372	5	79 / 63	16 / 60	230	409	531	5	236 / 223	13 / 53	
4	101	128	402	5	107 / 94	13 / 73	226	346	527	5	235 / 217	18 / 71	
5	78	078	379	5	91 / 65	26 / 99	254	083	555	5	268 / 240	28 / 99	
6	4	368	305	5	12 / 4	8x2 / 16 / 115	241	169	542	5	248 / 234	14 / 113	
7	65	539	366	5	80 / 50	30 / 145	141	203	442	5	157 / 125	32 / 145	
8	214	240	515	5	230 / 198	32 / 177	81	849	382	5	97 / 65	32 / 177	
9	215	912	516	5	229 / 201	28 / 205	113	541	414	5	127 / 99	28 / 205	
10	205	300	506	5	220 / 190	30 / 235	107	841	408	5	123 / 91	32 / 237	
11	185	988	486	5	200 / 170	30 / 265	115	391	416	5	132 / 98	34 / 271	
12	230	211	531	5	247 / 213	34 / 299	122	639	423	5	137 / 107	30 / 301	

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Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM34-37 TO BM34-38
						299						301	
13	188	213	489	5	203 / 174	29 / 328	115	483	416	5	127 / 104	23 / 324	
14	241	898	542	5	256 / 227	29 / 357	~~118~~ 119	221	420	5	133 / 105	28 / 352	
	2041	248					2297	466					
BM34-38													BM34-38. (USC&GS F781) Palos Verdes Blvd at Genev Tele. Co. See F.B. 1355-41

Summation of Run
From B.M. 34-37
To B.M. 34-38

Total Backsights = + 2041.248
Total Foresights = − 2297.466
Diff. Elev. = − 256.218

Backsight stadia = 357
Foresight Stadia = 352
Total Stadia = 709 meters

F.B. 2851 PG. 142 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY F.E. Brooks NOTES F.E.B.
INDEXED [illegible] DATE

WEATHER Clear - Windy INST. NO. 96716
TIME 2:10 - 3:00 ROD NO. 9-19
NOTES CHKD [illegible] DATE AUG 3 '64

76P526 CE # 308 3-61

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY F. E. Brooks WEATHER Overcast INST. NO. 96716

NOTES BY K. M. Kapp DATE 7-24-64 TIME 9:15-9:[illegible] ROD NO. 9-1[illegible]

INDEXED DATE NOTES CHKD [illegible] DATE [illegible] 3 '64

F.B. 2851 PG. 143

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM34-38 TO BM 34-37
BM34-38													BM34-38 (USC&GS F-781) Palos Verdes Blvd at General Tele. Co. See F.B. 1355-41
1	113	641	414	5	126 / 99	27	235	731	536	5	249 / 221	28	
2	111	601	412	5	123 / 99	24 / 51	18~~5~~4	996	48~~6~~5	5	199 / 169	30 / 58	⊼ Valdez
3	110	809	411	5	128 / 92	36 / 87	208	671	509	5	222 / 194	28 / 86	
4	106	233	407	5	123 / 89	34 / 121	187	129	488	5	202 / 172	30 / 116	
5	109	579	410	5	125 / 94	31 / 152	204	681	505	5	219 / 188	31 / 147	
6	115	309	416	5	129 / 102	27 / 179	221	048	522	5	235 / 206	29 / 176	
7	86	694	387	5	102 / 70	32 / 211	218	249	519	5	235 / 201	34 / 210	
8	138	270	439	5	154 / 122	32 / 243	62	599	363	5	77 / 47	30 / 240	
9	242	694	543	5	249 / 235	14 / 257	5	388	306	5	12 / 5	1/2 7 / 14 / 254	
10	248	847	549	5	262 / 234	28 / 285	73	162	374	5	87 / 59	28 / 282	
11	218	958	519	5	226 / 210	16 / 301	92	743	393	5	100 / 84	16 / 298	
12	236	831	537	5	243 / 229	14 / 315	77	610	378	5	84 / 70	14 / 312	

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LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 34-38 TO BM 34-37
					315						312		
13	240	591	541	5	247 233	14	113	679	414	5	122 104	18	
					329						330		
14	180	861	481	5	192 167	25	118	863	419	5	132 104	28	
					354						358		
	2260	918 ✓					2004	549 ✓					
BM 34-37													BM 34-37 (USC&GS G-169) Palos Verdes Dr. W. at Malaga Cove Plaza see F.B. 1355-40

Summation of Run
From B.M. 34-38
To B.M. 34-37

Total Backsights = + 2260.918 ✓
Total Foresights = − 2004.549 ✓
Diff. Elev. = + 256.369 ✓

Backsight stadia = 354 ✓
Foresight Stadia = 358 ✓
Total Stadia = 712 ✓ Meters

F.B. 2851 PG. 144 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES K. M. Kapp
INDEXED C. J. GAIN DATE

WEATHER Overcast INST. NO. 96710
TIME 9:15 - 9:55 ROD NO. 9-19
NOTES CHKD. [illegible] DATE AUG 3 '64

76P526B CE # 308 8-59

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LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY E. E. Brooks

NOTES BY E. E. Brooks DATE 7 July 1964

INDEXED DATE

WEATHER Clear

TIME 1:05 - 1:30

NOTES CHKD E. J. GAUL DATE

F.B. 2851 PG. 148

INST. NO. 46716

ROD NO. 9-19

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS FROM BM 34-38 TO BM 55-9-3
BM 34-38													BM 34-38 (US C&GS F781) Palos Verdes Blvd. at General Telephone Co. See F.B. 1355-41
1	189	821	490	5	207 / 171	36	102	700	403	5	120 / 84	36	
2	9	532	310	5	29 / 9	20x2 / 40 / 96	294	542	595	5	294 / 276	18x2 / 36 / 72	π Kapp
3	30	611	331	5	46 / 14	32 / 108	277	155	578	5	292 / 262	30 / 102	
4	27	699	328	5	42 / 12	30 / 138	289	479	590	5	289 / 271	18x2 / 36 / 138	
5	18	099	319	5	44 / 18	26x2 / 52 / 190	254	000	555	5	281 / 227	54 / 192	
6	40	645	341	5	67 / 13	54 / 244	287	410	588	5	287 / 259	28x2 / 56 / 248	
	316	407					1505	286					
BM 55-9-3													BM 55-9-3 Palos Verdes Blvd and Calle Mayor See F.B. 2448-185

Summation of Run
From B.M. 34-38
To B.M. 55-9-3

Total Backsights = + 316.407
Total Foresights = − 1505.286
Diff. Elev. = − 1188.879

Backsight stadia = 244
Foresight Stadia = 248
Total Stadia = 492 meters

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700 Los Angeles County Engineering Bldg.

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F.B. 2251 PG. 146 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY E.E. Brock NOTES M. Bostrum DATE

INDEXED

WEATHER Clear INST. NO. 96776

TIME 10:40 - 11:20 ROD NO. 2-19

NOTES CHKD [illegible] DATE AUG 3 '64

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 55-9-3 TO BM 34-38
BM 55-9-3													BM 55-9-3
													Palos Verdes Blvd. and Calle Mayor
1.	291	393	592	5	291 263	28 1/2 x 38	44	418	345	5	71 17	54	See F.B. 2448-195
2.	255	521	556	5	282 228	54 110	19	759	320	5	45 19	26 1/2 x 54 108	T K Abb
3.	283	811	584	5	300 266	34 144	21	932	322	5	38 4	34 142	
4.	270	816	571	5	285 255	30 174	24	517	325	5	40 8	32 174	
5.	291	976	592	5	291 272	19 x 38 212	6	549	307	5	26 6	20 x 40 214	
6.	100	508	401	5	118 82	36 248	187	909	488	5	205 169	36 250	
	1494	025					305	284					
BM 34-38													BM 34-38
													Palos Verdes Blvd at General Telephone Co. See F.B. 1355-41

Summation of Elev.
From B.M. 55-9-3
To B.M. 34-38

Total Backsights = 1494.025 ✓
Total Foresights = 305.284 ✓
Diff. Elev. = +1188.741 ✓

Backsight stadia = 248 ✓
Foresight Stadia = 250 ✓
Total Stadia = 498 ✓

76P526B CE # 308 8-59

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 55-9-3 TO BM 34-39
BM55-9-3													BM 55-9-3
1	39	345	340	5	61 39	22x2 44	288	937	589	5	288 266	22x2 44	Palos Verdes Blvd and Calle Mayor see F.B. 2448-185
2	15	420	316	5	37 15	22x2 44 88	286	970	587	5	286 264	22x2 44 88	π Kapp
3	35	340	336	5	54 16	38 126	274	923	575	5	293 255	38 126	
4	3	750	304	5	25 3	22x2 44 170	298	150	599	5	298 276	22x2 44 170	
5	131	380	432	5	148 114	34 204	221	245	522	5	238 204	34 204	
	225	235					1370	225					
6													
7													
BM34-39													BM 34-39

Summation of Run
From B.M.
To B.M.

Total Backsights = + 225.235'
Total Foresights = − 1370.225'
Diff. Elev. = − 1144.990'

Backsight stadia = 204'
Foresight Stadia = 204'
Total Stadia = 408' meters

~~Hollywood~~ palos Verdes Blvd. ~~P.K.Wy~~ and Calle Miramar

See FB 1355-42

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

SURVEY BY F. E. Bruce

NOTES BY M Bustrum DATE July 7-64

INDEXED DATE

WEATHER Clear

TIME 1:30 - 1:55

NOTES CHKD C. J. GAUNT DATE

INST. NO. 96716

ROD NO. 9-19

F.B. 2851 PG. 147

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

INST. NO. 96716
ROD NO. 9-19
DATE AUG 3 '64

WEATHER Hazy
TIME 10:20 – 10:35
NOTES CHKD

F.B. 2851 PG. 148
JOB NO. 0301.02
SURVEY OF L.A.Co. Precise Level Net
SURVEY BY L.E. Brock NOTES FEB.
INDEXED [redacted] DATE

STATION	BACKSIGHT					FORESIGHT					DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA	RIGHT	MIC.	LEFT		STADIA	FROM BM 34-39 TO BM 55-9-3
BM 34-39											BM 34-39 Hollywood - Palos Verdes Blvd. & Calle Mirador See FB 1355-42
1	221	491	542	5	238 / 204 / 34	131	424	432	5	148 / 114 / 34	
2	298	593	599	5	298 / 254 / 44 / 78	4	199	305	5	26 / 4 / 22 x 2 / 44 / 78	
3	268	970	569	5	288 / 248 / 40 / 118	29	170	330	5	48 / 10 / 38 / 116	↑ Kapp
4	283	530	584	5	287 / 241 / 22 x 2 / 44 / 162	12	228	313	5	34 / 12 / 22 x 2 / 44 / 160	Summation of Dm From B.M. 34-39 To B.M. 55-9-3
5	279	952	580	5	300 / 258 / 42 / 204	30	412	331	5	52 / 30 / 22 x 2 / 44 / 204	
	1352	536				207	733				Total Backsights = 1352.536 Total Foresights = – 207.733 Diff. Elev. = +1144.803
											Backsight stadia = 204 Foresight Stadia = 204 Total Stadia = 408 meters
BM 55-9-3											BM 55-9-3 Palos Verdes Blvd & Calle Mayor See FB 2498-185

76P526B CE # 308 8-59

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LOS ANGELES COUNTY ENGINEER

700 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

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

SURVEY BY F. E. Brooks WEATHER Clear - Windy INST. NO. 98716

NOTES BY F. E. Brooks DATE 7 July 1964 TIME 1:55 - ROD NO. 9-19

INDEXED DATE NOTES CHKD DATE

F.B. 22651 Pg. 148

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS 51
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM 34-39 TO BM 21-52A
BM 34-39													BM 34-39 Hollywood Palos Verdes Pkwy and Calle Miramar See F.B. 1355-42
1	72	492	373	5	81 63	18	125	738	526	5	234 216	18	
2	27	608	328	5	46 8	38 56	270	161	571	5	290 250	40 58	π Kapp
3	46	592	347	5	64 28	36 92	277	690	572	5	290 252	38 96	
4	26	286	327	5	43 9	34 126	295	296	596	5	295 278	17+23 40 130	
5	53	185	354	5	65 41	24 150	247	890	548	5	259 235	24 154	
6	39	824	340	5	54 24	30 180	271	336	572	5	284 256	30 184	
7	57	748	352	5	71 43	26 206	253	721	554	5	266 240	26 210	
8	10	770	311	5	25 10	15+23 30 236	255	972	556	5	270 240	30 240	
9	50	540	361	5	63 37	26 264	265	849	566	5	277 253	24 264	
10	50	881	351	5	63 37	26 290	244	912	545	5	257 231	26 290	
11	90	480	391	5	103 77	26 316	220	146	521	5	234 206	28 318	
12	121	042	422	5	136 106	30 346	220	360	521	5	235 205	30 348	

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STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA	
						346						348
13	184	370	485	5	197 / 171	26 / 372	185	571	486	5	197 / 173	24 / 370
14	121	650	422	5	144 / 98	46 / 418	206	925	507	5	230 / 182	48 / 420
15	103	434	404	5	127 / 79	48 / 466	192	221	493	5	216 / 168	48 / 468
16	144	568	445	5	154 / 134	20 / 486	160	680	461	5	169 / 151	18 / 486
17	164	566	465	5	190 / 138	52 / 538	148	990	449	5	173 / 123	50 / 536
18	172	859	473	5	196 / 148	48 / 586	155	418	456	5	178 / 132	46 / 582
19	146	361	~~448~~ 447	5	166 / 126	40 / 626	177	952	478	5	198 / 156	42 / 624
	1684	81~~4~~ 6					4270	728				
BM 21-52A												

DESCRIPTION AND REMARKS

FROM BM 34-39 TO BM 21-~~52A~~ 51

Summation of Exp
From B.M. 34-39
To B.M. 21-51

N.G.

Total Backsights = 1684.816
Total Foresights = 4270.728
Diff. Elev. = -2585.912

Backsight stadia = 626
Foresight Stadia = 624
Total Stadia = 1250 meters

BM 21-~~52A~~ 51 (Torrance F-10)
Esplanade and Ave I.
See F.B. 1391-51

F.B. 2851 PG. 150

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY F. E. Brooks NOTES F. E. Brooks

INDEXED C. J. GADY DATE

JOB NO. 0301.02

WEATHER Clear-Windy INST. NO. 9C 716

TIME 1:55 - 3:05 ROD NO. 9-19

NOTES CHKD. [illegible] DATE AUG 3 '64

76P526 CE # 308 3-61

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

SURVEY BY F. E. Brooks WEATHER Clear & 85 INST. NO. 24714

NOTES BY W. Bustrum DATE 7-8-64 TIME 9:15 - 10:15 ROD NO. 8-19

INDEXED DATE NOTES CHKD C. J. [illegible] DATE

F.B. 1391 PG. 157

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM21-51 TO BM34-39
BM21-51													BM21-51 (Torrance F-10) Esplanade and Ave I See FB 1391-51
1	183	870	484	5	203 163	40	152	505	453	5	173 131	42	
2	152	352	453	5	175 129	46 86	168	987	469	5	192 144	48 90	
3	150	868	451	5	176 124	52 138	166	923	467	5	191 141	50 140	
4	155	467	456	5	164 146	18 156	139	129	440	5	128 130	18 158	
5	192	341	493	5	216 168	48 204	100	539	401	5	124 76	48 206	
6.	203	470	504	5	227 179	48 252	120	741	421	5	144 96	48 254	
7.	186	040	487	5	198 174	24 276	187	093	488	5	200 174	26 280	
8.	222	367	523	5	238 206	32 308	121	599	422	5	134 108	26 306	
9.	215	608	516	5	229 201	28 336	85	988	386	5	98 72	26 332	
10.	239	335	540	5	252 226	26 362	45	073	346	5	59 31	28 360	
11.	266	332	567	5	278 254	24 386	50	711	351	5	63 37	26 386	
12.	252	904	553	5	268 236	32 418	8	331	309	5	22 8	14 x 2 28 414	

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STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA	
						418						414
13	254	111	555	5	267 241	26	60	950	361	5	74 46	28
						444						442
14	273	585	574	5	288 258	30	39	127	340	5	53 25	28
						474						470
15	240	438	541	5	251 229	22	46	560	347	5	59 33	26
						496						496
16	290	788	591	5	290 273	17 x 34	23	310	324	5	40 6	34
						530						530
17	286	150	587	5	286 267	19 x 38	53	938	354	5	71 35	36
						568						566
18	274	241	575	5	294 254	40	38	028	339	5	57 19	38
						608						604
19	216	820	517	5	225 207	18	61	190	362	5	70 52	18
	4257	087				626	1670	722				622
BM 34-39												

DESCRIPTION AND REMARKS

FROM BM 21-51 TO BM 34-39

Summation of ~~Bm~~
From B.M. 21-51
To B.M. 34-39

Total Backsights = + 4257.087
Total Foresights = − 1670.722
Diff. Elev. = + 2586.365

Backsight Stadia = ~~626~~ 626
Foresight Stadia = ~~622~~ 622
Total Stadia = 1250 1248

BM 34-39
Hollywood-palos verdes pkwy and calle miramar.
See FB 1355-44

F.B. 2851 PG. 152 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES M. Bustrum
INDEXED R. J. GALLI DATE
WEATHER overcast INST. NO. 96716
TIME 9:15 - 10:15 ROD NO. 9-19
NOTES CHKD [illegible] DATE AUG 3 '64

76P526 CE # 308 3-61

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks
NOTES BY E. E. Brooks DATE 8 July 1964
INDEXED DATE
WEATHER Hazy-Windy INST. NO. 96716
TIME 11:10 - 12:00 ROD NO. 9-19
NOTES CHKD. C. J. GAIN DATE
F.B. 2857 PG. 153

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 34-39 TO BM 21-51
BM 34-39													BM 34-39
1	61	628	362	5	71 / 61	20	214	909	515	5	203 / 205	18	Palos Verdes Blvd and Calle Miramar See F.B. 1355-42
2	38	310	339	5	57 / 19	38 / 58	281	358	582	5	301 / 261	40 / 58	⊼ Kapp
3	50	480	351	5	68 / 32	36 / 94	278	940	579	5	297 / 259	38 / 96	
4	30	534	331	5	47 / 13	34 / 128	297	620	598	5	297 / 280	17x2 / 34 / 130	
5	54	902	355	5	66 / 42	24 / 152	264	268	565	5	276 / 252	24 / 154	
6	57	849	358	5	71 / 43	28 / 180	277	499	578	5	292 / 262	30 / 184	
7	61	270	362	5	76 / 46	30 / 210	252	951	553	5	264 / 240	24 / 208	
8	14	211	315	5	29 / 14	15x2 / 30 / 240	259	520	560	5	274 / 244	30 / 238	
9	56	297	357	5	69 / 43	26 / 266	272	212	573	5	285 / 259	26 / 264	
10	52	735	353	5	65 / 39	26 / 292	246	065	547	5	260 / 232	28 / 292	
11	88	730	389	5	101 / 75	26 / 318	217	038	518	5	231 / 203	28 / 320	
12	120	657	421	5	134 / 106	28 / 346	221	508	522	5	237 / 205	32 / 352	

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 34-39 TO BM 21-51
13	187	148	488	5	200 / 174	346 / 26 / 372	187	402	488	5	198 / 176	352 / 22 / 374	Summation of Bm From B.M. 34-39 To B.M. 21-51
14	120	871	421	5	144 / 96	48 / 420	206	910	507	5	230 / 182	48 / 422	
15	104	045	405	5	128 / 80	48 / 468	192	461	493	5	216 / 168	48 / 470	Total Backsights = + 1730.164 ✓
16	142	609	443	5	152 / 132	20 / 488	158	905	459	5	167 / 149	18 / 488	Total Foresights = − 4316.117 ✓
17	166	465	467	5	192 / 140	52 / 540	150	521	451	5	175 / 125	50 / 538	Diff. Elev. = − 2585.953 ✓
18	172	051	473	5	196 / 148	48 / 588	155	342	456	5	178 / 132	46 / 584	Backsight stadia = 628 ✓
19	149	372	450	5	169 / 129	40 / 628	180	688	481	5	201 / 159	42 / 626 ✓	Foresight Stadia = 626 ✓
	1730	164					4316	117					Total Stadia = 1254 meters
BM 21-51													BM 21-51 (Torrance Esplanade and Ave I. See F.B.)

F.B. 2851 PG. 154

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY E. E. Brooks NOTES E. E. Brooks

INDEXED [illegible] DATE

JOB NO. 0301.02

WEATHER Hazy - Windy INST. NO. 96716

TIME 11:10 - 12:00 ROD NO. 9-19

NOTES CHKD [illegible] DATE AUG 3 '64

76P526B CE # 308 8-59

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STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT	STADIA	RIGHT	MIC.	LEFT	STADIA	FROM BM 21-51 TO BM21-51A
BM21-51									BM21-51 (Torrance F-10) Esplanade and Ave I
1	213	225	514 5	225 201 24	182	741	483 5	194 170 24	See FB. 1391-51.
									A Kapp
BM21-51A									BM 21-51A Esplanade & Ave I See FB 1391-51

Summation of Run
From B.M. 21-51
To B.M. 21-51 A

Total Backsights = + 213.225 ✓
Total Foresights = − 182.741 ✓
Diff. Elev. = + 30.484 ✓

Backsight stadia = 24'
Foresight Stadia = 24'
Total Stadia = 48' meters

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

SURVEY BY F. E. Brooks

NOTES BY M. Bustrum DATE July 2-64 WEATHER Windy INST. NO. 9676

INDEXED DATE TIME 3:10-3:15 ROD NO. 9-19

NOTES CHKD. [illegible] DATE AUG 3 '64

F.B. 2651 PG. 255

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Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM21-51A TO BM21-51
BM21-51A													BM21-51A
													Esplanade and Ave I
1.	180	970	481	5	192 168	24	211	488	512	5	222 200	22	See F.B. 1391-51
													T Kapp
BM21-51													BM21-51
													Esplanade & Ave I.
													see F.B. 1391-51

Summation of Run
From B.M. 21-51A
To B.M. 21-51

Total Backsights = + 180.970
Total Foresights = − 211.488
Diff. Elev. = − 30.518

Backsight stadia = 24
Foresight Stadia = 22
Total Stadia = 46 meters

F.B. 2851 PG. 156 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY F. E. Brooks NOTES M Bustrum
INDEXED [illegible] DATE

WEATHER overcast INST. NO. 96716
TIME 9:10 9:15 ROD NO. 9-19
NOTES CHKD [illegible] DATE AUG 3 '64

76P526B CE # 308 8-59

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM21-51A TO BM21-51-B
BM21-51A													BM21-51A
1	195	510	496	5	211 179	32	161	605	462	5	176 146	30	Esplanade and Ave I see F.B. 139-51
													π Kapp
													BM21-51B (USC&GS D-768) Esplanade and Ave I see F.B. 1391-52

Summation of Run
From B.M. 21-51A
To B.M. 21-51B

Total Backsights = + 195.510
Total Foresights = − 161.605
Diff. Elev. = +33.905

Backsight stadia = 32
Foresight Stadia = 30
Total Stadia = 62 meters

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

SURVEY BY F. E. Brooks

NOTES BY M Bostrum DATE 7-8-64

INDEXED DATE

WEATHER Overcast INST. NO. 96716

TIME 9:00-9:05 ROD NO. 9-19

NOTES CHKD [illegible] DATE

F.B. 1861 PG. 159

AUG 3 '64

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM BM21-51B TO BM21-51A
BM21-51B													BM21-51B (USC&GS D-768
	158	562	459	5	173 143	30	192	489	493	5	208 176	32	Esplanad and Ave I. See F.B. 1391-52
													# Kapp
BM21-51A													BM21-51A Esplanade and Ave I See F.B. 1391-51

Summation of Run
From B.M. 21-51B
To B.M. 21-51A

Total Backsights = + 158.562 ✓
Total Foresights = − 192.489 ✓
Diff. Elev. = − 33.927 ✓

Backsight stadia = 30'
Foresight Stadia = 32'
Total Stadia = 62' meters

F.B. 2857 PG. 158
JOB NO. 0301.02
SURVEY OF E.A. Co. Precise Level Net
SURVEY BY F. E. Brooks NOTES M. Bustrum
INDEXED S. J. GALLI DATE

WEATHER overcast INST. NO. 96716
TIME 4:05-9:10 ROD NO. 9-19
NOTES CHKD [illegible] DATE AUG 3 '64

Notes Ck'd by	Survey to L.A. Co. Precise Level Net	F.B. 2851 PG. 159
Map No.	JN 0301.02 Tape Std °F	
Office Work	Surveyed by F. E. Brooks	
Checked	Notes F. E. Brooks Date July '64	
Date	Indexed J. GALLI JUL 30 '64	

JN 0301.07

L.A. CO. PRECISE LEVEL NET

LINE NO. 35
RERUN

SAN PEDRO AREA

FROM - PACIFIC COAST HWY
TO - 25th ST
VIA - WESTERN AVE
and DODSON AVE

Brooks
Rapp
Bustrum
Volder
Will

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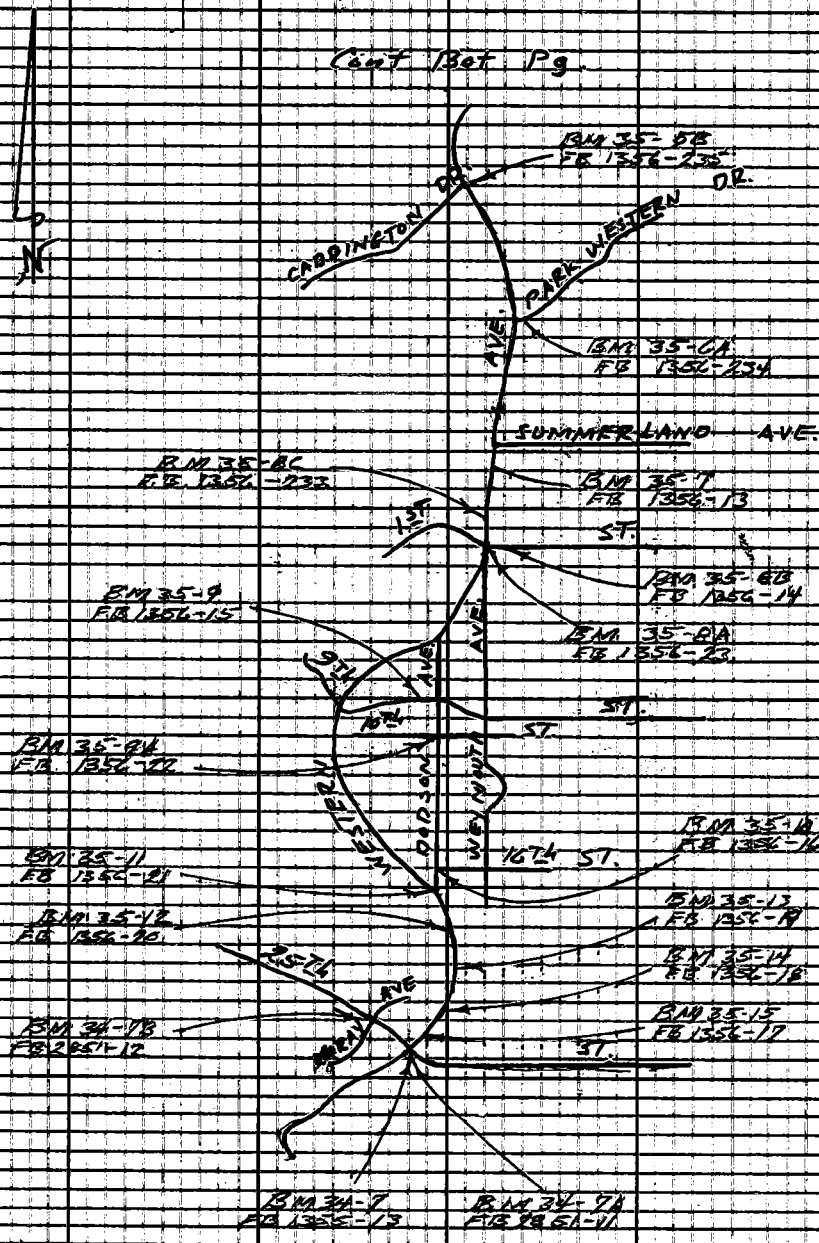
76F309S CE #310 6-53

F.B. 2851 PG. 160

LINE NO 33 INDEX

Cont Bot Pg.



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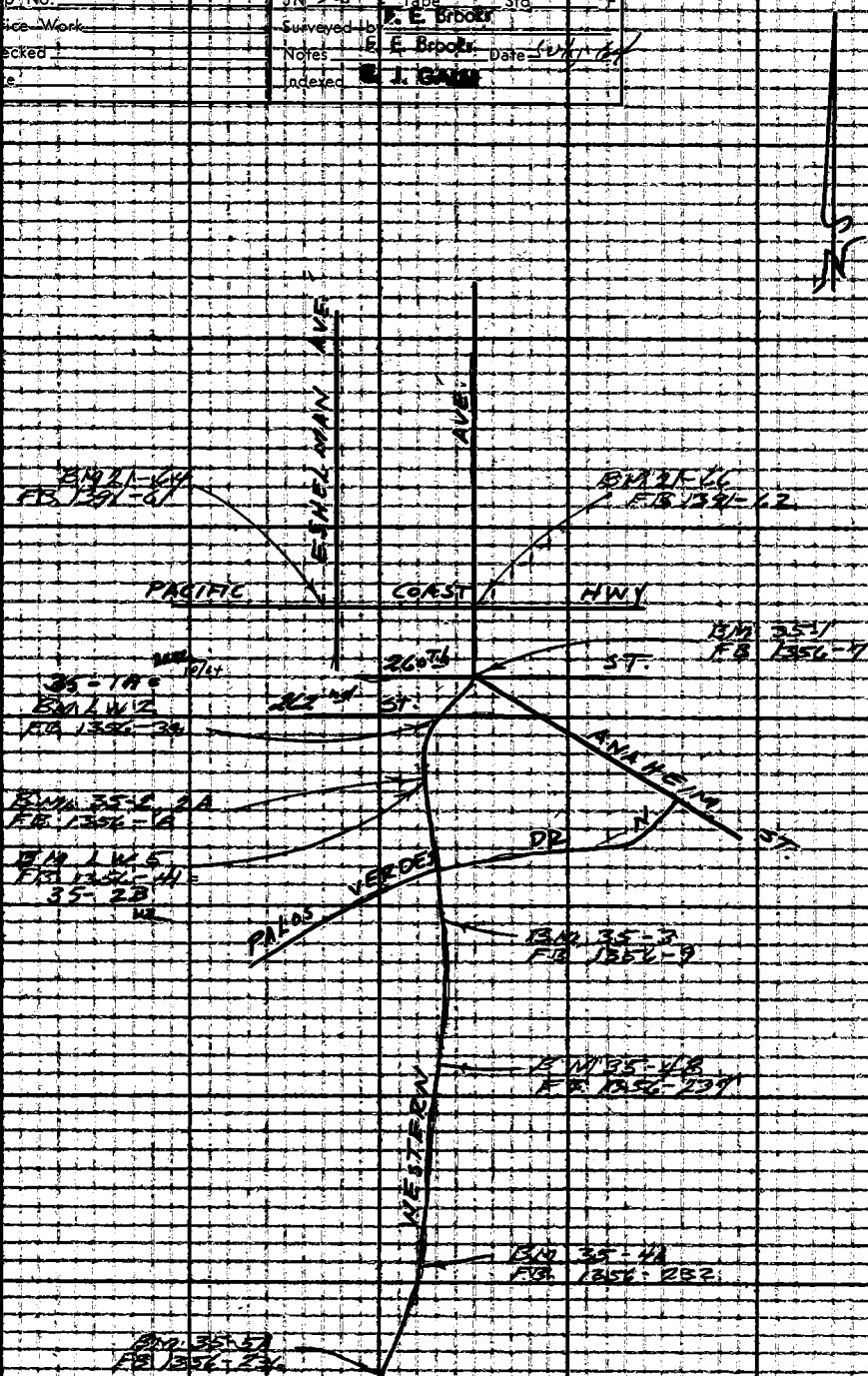
Note: Any Additions or Changes on This Sheet Must Be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of L.A. Co. Precise Level Net	F. B. 2851 PG. 161
Map No.	JN 3a1.02 Tape Std. °F	
Office Work	Surveyed by E. E. Brooks	
Checked	Notes E. E. Brooks Date July 64	
Date	Indexed E. J. GAUS	



Cont Top Pg

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76F309S CE #310 6-63

F. B. 2851 PG. 16

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

SURVEY BY F. E. Brooks

NOTES BY K. M. Kapp DATE 7-10-64 WEATHER Clear INST. NO. 967

INDEXED DATE TIME 10:35-10:45 ROD NO. 9-15

NOTES CHKD L. J. GAUM DATE

F.B. 1851 PG. 105

70-526 CE # 308 3-61

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STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM34-7B TO BM34-7
BM34-7B													BM 34-7B
1	91	369	392	5	111 / 71	40	142	592	443	5	162 / 123	39	25th St and Moray Ave See F.B. 2851-12
2	145	378	446	5	167 / 123	44 / 84	180	543	481	5	203 / 158	45 / 84	π Bustrum
	236	747					323	135					
BM 34-7													BM 34-7 25th St. & Western Ave. See F.B. 1355-13

Summation of Run
From B.M. 34-7B
To B.M. 34-7

Total Backsights = + 236.747
Total Foresights = − 323.135
Diff. Elev. = − 86.388

Backsight stadia = 84
Foresight Stadia = 84
Total Stadia = 168 Meters

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F.B. 2851 Pg. 164 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES K.M. Kapp
INDEXED G. J. Oates DATE
WEATHER Overcast INST. NO. 52716
TIME 9:05 - 2:10 ROD NO. 9-12
NOTES CHKD [illegible] DATE AUG 4 '64

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 34-7 TO BM 34-7B
BM 34-7													BM 34-7 25th St. & Western Ave
1	191	092	492	5	214 168	46	157	907	458	5	179 135	44	See F.B. 1355-13
2	169	053	470	5	188 150	38 84	115	820	416	5	136 95	41 85	JT Valdez
	360	145	✓				273	727	✓				
BM 34-7B													BM 34-7B 25th St. & Moray Ave See F.B. 2851-12

Summation of Elev
From B.M. 34-7
To B.M. 34-7B

Total Backsights = + 360.145 ✓
Total Foresights = − 273.727 ✓
Diff. Elev. = + 86.418 ✓

Backsight stadia = 84 ✓
Foresight Stadia = 85 ✓
Total Stadia = 169 ✓ Meters

76P526 CE # 308 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM34-7 TO BM34-7A
BM34-7													BM34-7 25th St. and Western Ave see F.B. 1355-B
1	192	649	493	5	205 180	25'	129	418	430	5	141 117	24'	π Bustrum
BM34-7A													BM 34-7A 25th St. & Western Ave. See F.B. 2851-11

Summation of Run
From B.M. 34-7
To B.M. 34-7A

Total Backsights = + 192.649'
Total Foresights = − 129.418'
Diff. Elev. = + 63.231'

Backsight stadia = 25'
Foresight Stadia = 24'
Total Stadia = 49' Meters

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. F. Brooks
NOTES BY K. M. Kapp DATE 7-10-64 TIME 10:50- WEATHER Clear INST. NO. 9671 ROD NO. 9-19
INDEXED DATE NOTES CHKD. E. J. GAIN DATE
F.B. 2851 PG. 125

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F.B. 2851 PG. 116 JOB NO. 0301.02

SURVEY OF E.A. Co. Precise Level Net

SURVEY BY L.E. Brooks NOTES K.M. Kapp

INDEXED C.J. GAIN DATE

WEATHER Overcast INST. NO. 96716

TIME 9:00 - ROD NO. 2-19

NOTES CHKD DATE AUG 4 '64

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 34-7A TO BM 34-7
BM 34-7A													BM 34-7A 25th St. & Western Ave
1	138	476	439	5	150 126	24'	201	769	502	5	214 188	26	See F.B. 2851-11 T Valdez
BM 34-7													BM 34-7 25th St. & Western Ave See F.B. 1355-13

Summation of Run
From B.M. 34-7A
To B.M. 34-7

Total Backsights = + 138.476 ✓
Total Foresights = − 201.769 ✓
Diff. Elev. = − 63.293 ✓

Backsight stadia = 24'
Foresight Stadia = 26'
Total Stadia = 50' Meters

76P526 CE # 308 3-61

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM34-7A TO BM35-15
BM34-7A													BM34-7A 25th St. and Western Ave
1	282	282	583	5	292 271	21	15	911	316	5	25 5	20	see F.B. 2851-11
2	293	821	594	5	1/2 293 282	11 22 43	44	822	345	5	56 32	24 44	T. Bustrum
	576	103					60	733					
BM ~~34-7A~~ 35-15													BM 35-15 Western Ave. opposite Bank of America Bldg. See F.B. 1356-17

Summation of Run
From B.M. 34-7A
To B.M. 35-15

Total Backsights = + 576.103
Total Foresights = − 60.733
Diff. Elev. = +515.370

Backsight stadia = 43
Foresight Stadia = 44
Total Stadia = 87 meters

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks
NOTES BY K. M. Kapp DATE 7-10-64
INDEXED DATE
WEATHER Clear
TIME 10:55-11:00
NOTES CHKD [illegible] DATE
INST. NO. 96710
ROD NO. 9-15
F.B. 2851 PG. 167

F.B. 2851 PG. 148 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY E.E. Brock NOTES K.M. Kapp

INDEXED C.J. GALLI DATE

WEATHER Overcast INST. NO. 96716

TIME 8:55 - 9:00 ROD NO. 9-19

NOTES CHKD DATE AUG 4 '64

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 35-15 TO BM 34-7A
BM 35-15													BM 35-15 Western Ave. opposite Bank of America Bldg. See F.B. 1356-17
1	62	941	363	5	79 / 56	24	293	032	594	5	293 ½ / 282	11 / 22	
2	8	839	309	5	18 ½ / 8	10 / 20 / 44 ✓	294	110	595	5	294 ½ / 283	11 / 22 / 44 ✓	T Valdez
	70	780 ✓					587	142 ✓					
BM 34-7A													BM 34-7A 25th St. & Western Ave. See F.B. 2851-11

Summation of Elev
From B.M. 35-15
To B.M. 34-7A

Total Backsights = + 70.780 ✓
Total Foresights = − 587.142 ✓
Diff. Elev. = −515.362 ✓

Backsight stadia = 44 ✓
Foresight Stadia = 44 ✓
Total Stadia = 88 Meters

76P526 CE # 308 3-61

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STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA	
BM35-15												
1	280	009	581	5	289 270	19	51	661	352	5	61 42	19
2	261	713	562	5	271 251	20 39	42	619	343	5	52 33	19 38
3	255	788	556	5	265 244	21 60	51	909	352	5	61 41	20 58
4	251	761	552	5	261 241	20 80	113	596	414	5	123 103	20 78
	1049	271					259	785				
BM 35-14												

DESCRIPTION AND REMARKS

FROM BM35-15 TO BM 35-14

BM 35-15
Western Ave opposite Bank of America Bldg
See F.B. 1356-17

π Bustrum

Summation of Run
From B.M. 35-15
To B.M. 35-14

BM 35-14
Western Ave. @ entrance to parking lot Fermin Lasuen H.S.
See F.B. 1356-18

Total Backsights = + 1049.271
Total Foresights = − 259.785
Diff. Elev. = + 789.486

Backsight stadia = 80
Foresight Stadia = 78
Total Stadia = 158 meters

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks
NOTES BY K. M. Kapp DATE 7-10-64
INDEXED DATE
WEATHER Clear
TIME 11:05-11:20
NOTES CHKD R. J. GAU DATE
INST. NO. 9671
ROD NO. 9-19
F.B. 1851 PG. 169

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 35-14 TO BM 35-15
BM 35-14													BM 35-14 Western Ave. @ entrance to parking lot Fermin Lasuen H.S. See F.B. 1356-18
1	114	311	415	5	124 / 104	20	252	799	553	5	262 / 242	20	
2	49	628	350	5	59 / 39	20 / 40	253	399	554	5	263 / 242	21 / 41	
3	44	731	345	5	54 / 35	19 / 59	262	609	563	5	272 / 252	20 / 61	π Bustrum
4	54	511	355	5	63 / 44	19 / 78	283	895	584	5	293 / 274	19 / 80	Summation of Run From B.M. 35-14 To B.M. 35-15
	263	181					1052	702					
BM 35-15													BM 35-15 Western Ave. opposite Bank of America Bldg See F.B. 1356-17

Total Backsights = + 263.181

Total Foresights = − 1052.702

Diff. Elev. = −789.521

Backsight stadia = 78

Foresight Stadia = 80

Total Stadia = 158 meters

F.B. 2851 PG. 170

JOB NO. 0301.02

L.A. Co. Precise Level Net

SURVEY OF

SURVEY BY E. E. Brooks NOTES FEB

INDEXED G. J. GALLI DATE

WEATHER Clear - Windy INST. NO. 96716

TIME 3:15 - 3:25 ROD NO. 9-19

NOTES CHKD. [illegible] DATE AUG 4 '64

76P526 CE # 308 3-61

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks WEATHER Clear INST. NO. 2677
NOTES BY F. E. Brooks DATE 10 July 1964 TIME 11:20 - 11:30 ROD NO. 9-19
INDEXED DATE NOTES CHK'D DATE
F.B. 1357 PG. 117

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM: BM 35-14 TO: BM 35-13
BM 35-14													BM 35-14 Western Ave at entrance to parking lot Fermin Lasuen H.S. See F.B. 1356-18
1	280	461	581	5	288 272	16	63	638	364	5	71 55	16	
2	232	446	533	5	241 224	17 33	71	339	372	5	78 63	15 31	T Bustrum
3	260	147	561	5	278 242	36 69	180	068	481	5	198 161	37 68	
	773	252	✓				315	045	✓				
BM 35-13													BM 35-13 Western Ave near house #2020 See F.B. 1356-19

Summation of Run
From B.M. 35-14
To B.M. 35-13

Total Backsights = + 773.252 ✓
Total Foresights = − 315.045 ✓
Diff. Elev. = +458.207 ✓

Backsight stadia = 69 ✓
Foresight Stadia = 68 ✓
Total Stadia = 137' meters

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 35-13 TO BM 35-14
BM 35-19													BM 35-13 Western Ave near house #2020 see F.B. 1356-19
1	172	993	473	5	198 154	37	250	815	551	5	268 232	36	
2	72	817	373	5	80 64	16 53	237	248	538	5	245 228	17 53	⊼ Bustrum
3	68	203	369	5	76 60	16 69	284	125	585	5	292 276	16 69	
	314	013					772	188					
BM 35-14													BM 35-14 Western Ave at entrance to Parking lot Fermin Lasuen H.S. see F.B. 1356-18

Summation of Run
From B.M. 35-13
To B.M. 35-14

Total Backsights = + 314.013
Total Foresights = − 772.188
Diff. Elev. = − 458.175

Backsight stadia = 69
Foresight Stadia = 69
Total Stadia = 138 meters

F.B. 2861 PG. 172 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY F. E. Brooks NOTES F. E. Brooks
INDEXED R. J. GALLI DATE

WEATHER Clear-Windy INST. NO. 96716
TIME 3:00-3:10 ROD NO. 9-19
NOTES CHKD [signature] DATE AUG 4 '64

76P526 CE # 308 3-61

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STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM35-13 TO BM35-12
BM35-13													BM 35-13 Western Ave near house #2020 See F.B. 1356-19
1	135	305	436	5	153 118	35	293	387 ~~431~~	594	5	293 279	14 28	
2	50	678	351	5	59 41	18 53	263	362	564	5	273 253	20 48	π Bustrum
3	31	839	332	5	42 20	22 75	278	204	579	5	291 265	26 74	
	217	822					834	951					
BM35-12													BM35-12 Western Ave and 19th St (Morse Dr.) see F.B. 1356-20

Summation of Run
From B.M. 35-13
To B.M. 35-12

Total Backsights = + 217.822
Total Foresights = − 834.951
Diff. Elev. = − 617.129

Backsight stadia = 75
Foresight Stadia = 74
Total Stadia = 149 meters

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks
NOTES BY F. E. Brooks DATE 10 July 1964
INDEXED DATE
WEATHER Clear
TIME 11:35 – 11:50
NOTES CHKD. E. J. GALLI DATE 10 4 '64
INST. NO. 96716
ROD NO. 9-19
F.B. 2851 PG. 173

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F.B. 1851 PG. 174 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY F. E. Brook NOTES F.B.

INDEXED B. J. Gatty DATE

WEATHER Clear INST. NO. 92116

TIME 1:30-3:00 ROD NO. 9-19

NOTES CHKD DATE AUG 4 '64

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM35-12 TO BM35-13
BM 35-12													BM 35-12 Western Ave and 19th St (Morse Dr.) See F.B. 1356-20
1	264	437	565	5	276 252	24	16	977	317	5	28 4	24	
2	254	175	555	5	264 245	19 43	41	875	342	5	52 31	21 46	T Bustrum
3	298	835	599	5	298 282	16 32 75 ✓	141	492	442	5	157 125	32 77 ✓	
	817	447 ✓					200	344 ✓					
BM 35-13													BM 35-13 Western Ave near house # 2020 See F.B. 1356-19

Summation of Run
From B.M. 35-12
To B.M. 35-13

Total Backsights = + 817.447 ✓
Total Foresights = − 200.344 ✓
Diff. Elev. = + 617.103 ✓

Backsight stadia = 75 ✓
Foresight Stadia = 77 ✓
Total Stadia = 152 Inverted

76P526 CE # 308 3-61

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

SURVEY BY F. E. Brooks WEATHER Clear Windy INST. NO. 2716

NOTES BY F. E. Brooks DATE 10 July 1964 TIME 1105-1120 ROD NO. 9-19

INDEXED DATE NOTES CHKD. J. C. Gault DATE 10 July 64

F.B. 1357 PG. 173

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM35-12 TO BM35-11
BM35-12													BM 35-12 Western Ave and 197th St. (Morse Dr.) see F.B. 1356-20 T Kupp Bustrum
1	88	067	389	5	106 72	32	286	721	587	5	286 270	16 32	
2	29	952	330	5	44 14	30 62	278	005	579	5	293 263	30 62	
3	68	154	349	5	80 66	14 86	253	231	534	5	245 221	24 86	
4	74	705	375	5	86 63	23 109	262	908	563	5	273 251	22 108	
	260	874	✓				1080	865	✓				
BM 35-11													BM 35-11 Western Ave and Dodson Ave see F.B. 1356-21

Summation of Elev.
From B.M. 35-12
To B.M. 35-11

Total Backsights = + 260.874
Total Foresights = − 1060.865
Diff. Elev. = − 799.991

Backsight stadia = 109
Foresight Stadia = 108
Total Stadia = 217 meters

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F.B. 1851 PG. 176 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES K. M. Kapp DATE
INDEXED J. GALLI

WEATHER Clear & windy INST. NO. 4176
TIME 2:35 - 2:50 ROD NO. 9-13
NOTES CHKD [illegible] DATE AUG 4 '64

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		From BM 35-11 To BM 35-12
BM 35-11													BM 35-11 Western Ave and Dodson Ave
1	259	835	560	5	370 248	22	71	647	372	5	83 60	23	See F.B. 1356-21
2	232	748	533	5	244 220	24 46	67	933	368	5	79 55	24 47	T. Bustrum
3	275	353	576	5	290 260 ~~30~~ 76	30 76	27	759	328	5	42 12	30 77	
4	284	191	585	5	300 268	32 108	184	813	385	5	101 68	33 110	✓
	1052	127 ✓					252	152 ✓					
BM 35-12													BM 35-12 Western Ave and 197th St. (Morse ~~Ave.~~ Dr.) - See F.B. 1356-21

Summation of Run
From B.M. 35-11
To B.M. 35-12

Total Backsights = + 1052.127 ✓
Total Foresights = − 252.152 ✓
Diff. Elev. = + 799.975 ✓

Backsight stadia = 108 ✓
Foresight Stadia = 110 ✓
Total Stadia = 218 ✓ Meters

76P526 CE # 308 3-61

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks
NOTES BY F. E. Brooks DATE 10 July 1964
INDEXED DATE
WEATHER Near - Windy INST. NO. 96716
TIME 1:25 - 1:40 ROD NO. 9-19
NOTES CHKD C. J. GALLI DATE
F.B. 2851 PG. 177

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM35-11 TO BM35-10
BM35-11													BM 35-11 Western Ave and Dodson Ave. See F.B. 1356-21
1	109	138	410	5	116 / 102	14	252	138	553	5	258 / 246	12	
2	35	282	336	5	40 / 29	11 / 25	270	940	571	5	276 / 264	12 / 24	⊼ Bustrum
3	27	338	328	5	33 / 21	12 / 37	274	602	575	5	280 / 268	12 / 36	
4	32	332	333	5	38 / 27	11 / 48	240	975	541	5	246 / 234	12 / 48	
5	135	368	436	5	142 / 128	14 / 62	158	343	459	5	165 / 151	14 / 62	✓
	339	458 ✓					1196	998 ✓					
BM35-10													BM35-10 Dodson Ave and 16th st. See F.B. 1356-16

Summation of Run
From B.M. 35-11
To B.M. 35-10

Total Backsights = + 339.458 ✓
Total Foresights = − 1196.998 ✓
Diff. Elev. = − 857.540 ✓

Backsight stadia = 62 ✓
Foresight Stadia = 62 ✓
Total Stadia = 124 meters

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403 Los Angeles County Engineering Bldg.

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F.B. 1851 PG. 179 JOB NO. 0350.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY E. E. Brooks NOTES K.M. Kapp

INDEXED C. J. GAULT DATE

WEATHER Clear & Windy INST. NO. 21576

TIME 2:15 - 2:35 ROD NO. 9-19

NOTES CHKD [illegible] DATE AUG 4 '64

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM35-10 TO BM35-11
BM35-10													BM35-10
					162								Dodson Ave and 16th St
1	155	511	456	5	148	14	133	397	434	5	140 / 126	14	See F.B. 1356-16
2	245	622	546	5	251 / 239	12 / 26	30	617	331	5	36 / 24	12 / 26	T Bustrum
3	266	165	567	5	271 / 260	11 / 37	25	725	326	5	31 / 19	12 / 38	
4	270	993	571	5	276 / 265	11 / 48	35	351	336	5	41 / 29	12 / 50	
5	261	531	562	5	267 / 254	13 / 61 ✓	117	273	418	5	124 / 110	14 / 64 ✓	
	1199.	822 ✓					342	363 ✓					
BM35-11													BM35-11
													Western Ave and Dodson Ave
													See F.B. 1356-21

Summation of Run

From B.M. 35-10

To B.M. 35-11

Total Backsights = + 1199.822 ✓

Total Foresights = − 342.363 ✓

Diff. Elev. = +857.459 ✓

Backsight stadia = 61 ✓

Foresight Stadia = 64 ✓

Total Stadia = 125 ✓ Meters

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks
NOTES BY K. M. Kapp DATE 7-10-64
INDEXED DATE
WEATHER Overcast INST. NO. 9671
TIME 1:45-3:20 ROD NO. 9-19
NOTES CHKD L. J. GAIN DATE
F.B. 1851 PG. 179

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM35-10 TO BM35-9A
BM35-10													BM35-10
													Dodson Ave and 16th St.
1	125	577	426	5	138 113	25	255	129	556	5	266 244	22	see F.B. 1356-16
2	71	811	372	5	80 61	19 44	200	078	501	5	210 190	20 42	π Bustrum
3	115	449	416	5	124 106	18 62	118	702	419	5	128 108	20 62	
4	260	095	561	5	268 252	16 78	45	421	346	5	53 37	16 78	
5	220	685	521	5	232 208	24 102	130	332	431	5	142 118	24 102	
6	121	210	422	5	132 110	22 124	258	549	559	5	270 247	23 125	
7	25	963	326	5	35 16	19 143	299	049	600	5	299 1/2 289	10 20 145	
8	19	475	320	5	27 12	15 158	217	820	518	5	225 209	16 161	
9	52	535	353	5	60 44	16 174	278	513	579	5	284 271	13 174	
10	16	844	317	5	23 9	14 188	269	522	570	5	277 261	16 190	
11	86	797	387	5	98 74	24 212	84	709	385	5	97 71	26 216	
12	261	087	562	5	264 257	7 219	69	937	370	5	72 66	6 222	
13	296	653	597	5	301 291	10 229	10	167	311	5	15 5	10 232	

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403 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

F.B. 1851 PG. 180 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES K. M. Kaop DATE
INDEXED C. J. [illegible] DATE
WEATHER Overcast INST. NO. 26716
TIME 1:45 - 3:20 ROD NO. 9-19
NOTES CHKD [illegible] DATE AUG 4 '64

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													From BM 35-9A To BM 35-9A
~~BM 35-9A~~						229						232	~~BM 35-9A~~
14	287	077	588	5	292 281 2	11 40	22	708	323	5	27 17	10 242	
& 15	294	311	595	5	294 ½ 282	12 24 2 64	78	893	379	5	91 66	25 2 67	
& 16	158	649	459	5	172 144	28 2 92	246	742	547	5	258 233 2	25 92	
17	63	337	364	5	23 53	20 3 12	193	035	494	5	201 184	17 309 ✓	
	2477	555	✓				2779	306	✓				
BM 35-9A													BM 35-9A Dodson Ave. ± 10 ¼ 37 See F.B. 1356-22

Summation of Run
From B.M. 35-10
To B.M. 35-9A

Total Backsights = + 2477.555 ✓
Total Foresights = − 2779.306 ✓
Diff. Elev. = −301.751 ✓

Backsight stadia = 312 ✓
Foresight Stadia = 309 −
Total Stadia = 621 ✓ Meters

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks WEATHER Clear
NOTES BY E. E. Brooks DATE 13 July 1964 TIME 1:10 - 2:10 INST. NO. 2617
INDEXED DATE NOTES CHKD C. J. Cassy DATE 11/24/64 ROD NO. 9-19
F.B. 1357 PG. 21

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 35-9A TO BM 35-10
BM 35-9A													BM 35-9A (San Pedro Hills 0-8C) Dodson Ave and 10th St. See F.B. 1356-22
1	198	765	499	5	207 / 189	18	68	747	369	5	77 / 59	18	
2	255	192	556	5	268 / 241	27 / 45	167	507	468	5	180 / 154	26 / 44	T Bustrum
3	86	905	387	5	92 / 74	24 / 69	296	799	597	5	296 / 284	12 / 24 / 68	
4	3	732	304	5	9 / 3	6 / 12 / 81	274	510	575	5	278 / 269	9 / 97	
5	13 / 11	263	317	5	16 / 8	8 / 89	296	819	597	5	301 / 290	11 / 88	
6	57	489	352	5	54 / 47	7 / 96	239	435	540	5	242 / 236	6 / 94	
7	80	169	381	5	93 / 67	26 / 122	85	883	386	5	98 / 73	25 / 119	
8	263	889	564	5	271 / 256	15 / 137	10	310	311	5	18 / 2	16 / 135	
9	280	445	581	5	287 / 274	13 / 150	57	605	358	5	65 / 50	15 / 150	
10	217	799	518	5	225 / 209	16 / 166	17	493	318	5	24 / 9	15 / 165	
11	298	257	599	5	298 / 278	10 / 20 / 186	26	349	327	5	35 / 16	19 / 184	
12	266	695	567	5	279 / 255	22 / 208	127	102	428	5	139 / 115	24 / 208	

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA	
						208						208
13	127	539	428	5	138 115	23 231	221	548	522	5	232 209	23 231
14	49	522	350	5	56 41	15 246	261	708	562	5	269 253	16 247
15	115	263	416	5	125 106	19 265	113	083	414	5	122 104	18 265
16	192	331	493	5	202 183	19 284	63	853	364	5	74 52	22 289
17	262	583	563	5	274 250	24 308	133	009	434	5	144 122	22 309
	2763	838					2461	796				
BM 35-10												

DESCRIPTION AND REMARKS

FROM BM 35-9A TO BM 35-10

Summation of Run
From B.M. 35-9A
To B.M. 35-10

BM 35-10
Dodson Ave and 16th St.
See F.B. 1356-16

Total Backsights = + 2763.838
Total Foresights = − 2461.796
Diff. Elev. = +302.042

Backsight stadia = 308
Foresight Stadia = 309
Total Stadia = 617 meters

F.B. 2851 PG. 182 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES E. E. Brooks
INDEXED [illegible] DATE
WEATHER Clear INST. NO. 9471C
TIME 1:10 - 3:10 ROD NO. 9-19
NOTES CHKD [illegible] DATE 4 '64

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brook WEATHER Overcast INST. NO. 26776
NOTES BY E. E. Brook DATE 15 July 1964 TIME 9:20 - 9:40 ROD NO. 9-9
INDEXED DATE NOTES CHK'D. J. GAMBLE DATE AUG 4 1964
F.B. 2857 PG. 185

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 35-9A TO BM 35-9
BM 35-9A													BM 35-9A (San Pedro Hills 0-8-C) Dodson Ave and 10th St.
1	254	141	555	5	269 / 239	30	125	797	426	5	111	28	See F.B. 1356-22
2	56	806	357	5	68 / 45	22 / 52	256	029	557	5	269 / 245	24 / 52	T Valdez
3	43	151	344	5	51 / 34	17 / 69	260	428	561	5	267 / 252	15 / 69	
4	46	681	347	5	54 / 38	16 / 85	202	366	503	5	210 / 194	16 / 83	Summation of Rdgs From B.M. 35-9A To B.M. 35-9
5	296	501	597	5	296 / 296	0 / 20 / 105	65	560	366	5	76 / 54	22 / 105	Total Backsights = + 941.774
6	244	094	545	5	249 / 239	10 / 115	92	609	397	5	97 / 87	10 / 115	Total Foresights = − 1002.729
	941	774					1002	729					Diff. Elev. = − 60.955
													Backsight stadia = 115
													Foresight Stadia = 115
													Total Stadia = 230 Meters
BM 35-9													BM 35-9 Dodson Ave and 9th St. See F.B. 1356-15

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 35-9 TO BM35-9A
BM 35-9													BM 35-9
													Dodson Ave and 9th St.
1	91	792	392	5	96 / 86	10	240	309	541	5	246 / 235	11	See F.B. 1356-15
													π Valdez
2	38	542	339	5	49 / 27	22 / 32	289	642	590	5	299 / 279	20 / 31	Summation of Elev
													From B.M. 35-9
3	218	831	519	5	227 / 210	17 / 49	43	368	344	5	51 / 35	16 / 47	To B.M. 35-9A
4	252	227	553	5	260 / 245	15 / 64	35	024	336	5	44 / 26	18 / 65	Total Backsights = + 982.112
													Total Foresights = − 921.183
5	251	800	552	5	263 / 239	24 / 88	55	611	356	5	66 / 44	22 / 87	Diff. Elev. = + 60.929
6	128	920	429	5	142 / 114	28 / 116	257	219	558	5	272 / 242	30 / 117	Backsight stadia = 116
	982	112					921	183					Foresight Stadia = 117
													Total Stadia = 233 meters
BM 35-9A													BM 35-9A (San Pedro Hills O-8C)
													Dodson Ave and 10th St.
													See F.B. 1356-22

F.B. 2851 PG. 184 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY E. E. Brooks NOTES F.E.B.

INDEXED C. J. GAU DATE

WEATHER Clear INST. NO. 9[illegible]16

TIME 2:25 - 2:40 ROD NO. 9-19

NOTES CHKD [illegible] DATE AUG 4 '[illegible]

76P526 CE # 308 3-61

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

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY L. F. Brooks
NOTES BY F. E. Brooks DATE 15 July 1964 WEATHER Hazy
TIME 9:40 - 10:30 INST. NO. 2176
INDEXED ROD NO. R-19
DATE NOTES CHKD C. J. Gault DATE
F.B. 1356 PG. 185

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM35-9 TO BM35-8A
BM35-9													BM 35-9 Dodson Ave and 9Th St. see F.B. 1356-15
1	88	156	389	5	93 83	10	239	146	540	5	244 234	10	
2	46	386	347	5	53 39	14 24	270	959	571	5	278 263	15 25	T Valder
3	149	427	450	5	157 142	16 39	35	537	336	5	43 27	16 41	
4	293	446	594	5	293 281	12K2 24 63	11	568	312	5	24 11	13K2 26 67	
5	112	252	413	5	133 92	41 104	32	420	333	5	52 13	39 106	
6	281	551	582	5	297 224	33 137	92	600	393	5	109 75	34 140	
7	201	753	502	5	216 186	30 167	17	769	318	5	32 3	29 169	
8	71	952	372	5	87 55	32 199	240	847	541	5	257 223	34 203	
9	63	524	364	6	81 45	36 235	237	094	538	5	252 222	30 233	
10	63	639	364	5	80 47	33 268	239	403	540	5	256 223	33 266	
11	37	480	338	5	54 20	34 302	277	909	578	5	293 260	33 299	
12	31	060	332	5	48 15	33 335	282	370	583	5	299 265	34 333	

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 35-9 TO BM 35-8A
13	49 ~~282~~	148 ~~370~~	350 ~~583~~	5 ~~5~~	64 ~~34~~ ~~263~~	~~[illegible]~~ 335 30 365	275	118	576	5	290 260	~~[illegible]~~ 333 30 363	
14	132	037	433	5	151 173	38 403	125	150	426	5	144 107	37 400	
15	219	181	520	5	230 208	22 425	80	255	381	5	93 67	26 426	
	1841	231					2458	645					
BM 35-8A													BM35-8A Western Ave and 1st st. see F.B. 1356-23

Summation of Bm
From B.M. 35-9
To B.M. 35-8A

Total Backsights = + 1841.231
Total Foresights = − 2458.645
Diff. Elev. = − 617.414

Backsight stadia = 425
Foresight Stadia = 426
Total Stadia = 851 Meters

F.B. 2851 PG. 186 JOB NO. 8301.02
SURVEY OF L.A. Co. Precis Level Net
SURVEY BY E. E. Brooks NOTES E. E. Brooks
INDEXED G. J. GALLI DATE

WEATHER Hazy INST. NO. 96716
TIME 9:40-10:30 ROD NO. 9-19
NOTES CHKD [illegible] DATE AUG 4 '84

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

SURVEY BY E. F. Brooks WEATHER Clear INST. NO. 96716

NOTES BY ~~E. F. Brooks~~ Kapp DATE 7-16-64 TIME 1:35-2:25 ROD NO. 9-19

INDEXED DATE NOTES CHKD G. J. GALLI DATE

F.B. 2851 PG. 187

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 35-8A TO BM 35-9
BM 35-8A													BM 35-8A Western Ave and 1st St. See F.B. 1356-23
1	87	040	388	5	99 75	24	225	599	526	5	237 214	23	
2	129	351	430	5	147 110	37 61	135	275	436	5	154 116	38 61	⊼ Valdez
3	269	809	570	5	284 254	30 91	44	552	345	5	59 29	30 91	
4	280	601	581	5	297 263	34 125	27	198	328	5	44 11	33 124	
5	274	529	575	5	290 258	32 157	40	729	341	5	57 23	34 158	
6	240	891	541	5	257 224	33 190	63	739	364	5	80 47	33 191	
7	243	409	544	5	259 226	33 223	67	873	368	5	84 50	34 225	
8	237	289	538	5	254 220	34 257	72	384	373	5	88 56	32 257	
9	18	890	319	5	32 4	28 285	199	222	500	5	214 184	30 287	
10	94	152	395	5	111 77	34 319	281	385	582	5	297 264	33 320	
11	30	009	331	5	50 9	41 360	111	228	412	5	132 91	41 361	
12	16	778	317	5	28 3	25 385	297	931	598	5	297 284	1/2 13 26 387	

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM35-8A TO BM35-9
						385						387	
13	34	601	335	5	42 26	16 401	149	439	450	5	157 142	15 402	
14	266	720	567	5	274 259	15 416	41	081	342	5	49 34	15 417	
15	242	189	543	5	248 237	11 427	91	817	392	5	96 86	10 427	
	2466	258					1849	452					
BM35-9													BM 35-9 Dodson Ave and 9th St. See F.B. 1356-15

Summation of Run
From B.M. 35-8A
To B.M. 35-9

Total Backsights = + 2466.258
Total Foresights = − 1849.452
Diff. Elev. = + 616.806

Backsight stadia = 427
Foresight Stadia = 427
Total Stadia = 854 meters

WEATHER Overcast INST. NO. 9/9/16
TIME 1:35-2:25 ROD NO. 9-19
NOTES CHKD [illegible] DATE AUG 4 '64

F.B. 2851 PG. 188
JOB NO. 0301.02
L.A. Co. Precise Level Net
SURVEY OF
SURVEY BY E. E. Brooks NOTES K. M. Kapp
INDEXED C. J. GALLI DATE

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks
NOTES BY FEB. DATE 17 July 1964
INDEXED DATE
WEATHER Overcast
TIME 9:00 – 9:30
NOTES CHKD. C. J. GAUL DATE
INST. NO. 9671
ROD NO. 9-19
F.B. 2851 PG. 189

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 35-8A TO BM 35-9
BM 35-8A													BM 35-8A
1	91	495	392	5	103 / 79	24	229	828	530	5	241 / 217	24	Western Ave. & 1st St. See F.B. 1356-23
2	124	127	425	5	142 / 106	36 / 60	130	699	431	5	149 / 111	38 / 62	π Kapp
3	266	099	567	5	281 / 251	30 / 90	40	958	341	5	56 / 26	30 / 92	
4	273	858	574	5	290 / 256	34 / 124	20	090	321	5	37 / 3	34 / 126	
5	272	398	573	5	288 / 256	32 / 156	38	332	339	5	55 / 21	34 / 160	
6	239	729	540	5	256 / 222	34 / 190	63	821	364	5	79 / 47	32 / 192	
7	242	992	543	5	259 / 225	34 / 224	66	580	367	5	82 / 50	32 / 224	
8	239	787	540	5	256 / 222	34 / 258	76	780	377	5	92 / 60	32 / 256	
9	23	380	324	5	57 / 9	28 / 286	201	218	502	5	216 / 186	30 / 286	
10	93	090	394	5	110 / 76	34 / 320	281	119	582	5	298 / 261	34 / 320	
11	30	470	331	5	50 / 10	40 / 360	111	610	412	5	132 / 90	42 / 362	
12	22	560	323	5	34 / 10	24 / 384	294	988	594	5	294 / 282	12x2 / 24 / 380	

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403 Los Angeles County Engineering Bldg.

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

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F.B. 2851 PG. 190 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY F. E. Brooks NOTES FEB

INDEXED C. J. GAU DATE

WEATHER Overcast INST. NO. 96716

TIME 9:00 - 9:30 ROD NO. 2-19

NOTES CHKD [illegible] DATE NOV 4 '64

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 35-8A TO BM 35-9
						384						396	
13	33	857	334	5	41 25	16 400	153	288	454	5	160 146	14 400	
14	272	612	593	5	280 264	16 416	51	075	352	5	58 44	14 414	
15	238	450	539	5	247 235	10 426	87	410	388	5	92 82	10 424	✓
	2464	904	✓				1848	296	✓				
BM 35-9													BM 35-9 Dodson Ave. & 9th St. See F.B. 1356-15

Summation of Rur
From B.M. 35-8A
To B.M. 35-9

Total Backsights = + 2464.904 ✓
Total Foresights = − 1848.296 ✓
Diff. Elev. = +616.608 ✓

Backsight stadia = 426 ✓
Foresight Stadia = 424 ✓
Total Stadia = 850 meters

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks
NOTES BY E. E. Brooks DATE 20 July 1964
INDEXED DATE
WEATHER Clear-Windy INST. NO 96716
TIME 1:10 - 1:55 ROD NO. 9-19
NOTES CHKD C. I. Ostler DATE
F.B. 2851 PG. 191

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 35-9 TO BM35-8A
BM 35-9													BM 35-9
													Dodson Ave and 9th St.
1	91	759	392	5	96 / 86	10	239	900	540	5	244 / 234	10	See F.B. 1356-15
2	46	970	347	5	53 / 39	14 / 24	274	915	575	5	281 / 267	14 / 24	π Kapp
3	156	655	457	5	167 / 149	14 / 38	38	332	339	5	46 / 30	16 / 40	
4	296	627	597	5	296 / 284	12x2 / 24 / 62	19	400	320	5	32 / 6	26 / 66	
5	98	243	399	5	119 / 77	42 / 104	16	330	317	5	35 / 16	19x2 / 38 / 104	
6	281	550	582	5	297 / 265	32 / 136	94	571	395	5	111 / 77	34 / 138	
7	202	710	503	5	217 / 187	30 / 166	18	631	319	5	32 / 4	28 / 166	
8	75	485	376	5	91 / 59	32 / 198	246	220	547	5	263 / 229	34 / 200	
9	72	317	373	5	89 / 55	34 / 232	246	000	547	5	262 / 230	32 / 232	
10	67	320	368	5	83 / 51	32 / 264	240	681	541	5	256 / 224	32 / 264	
11	43	241	344	5	60 / 26	34 / 298	280	588	581	5	296 / 264	32 / 296	
12	~~33~~ 32	912	~~334~~ 333	5	48 / 16	32 / 330	286	430	587	5	286 / 269	17x2 / 34 / 330	

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 35-9 TO BM 35-8A
						330						330	
13	43	889	344	5	58 28	30 360	271	483	572	5	286 256	30 360	
14	135	028	436	5	154 116	38 398	126	988	427	5	144 108	36 396	
15	229	669	530	5	241 217	24 422	90	669	391	5	102 78	24 420	
	1874	371					2491	138					
BM 35-8A													BM 35-8A Western Ave and 1st St. see F.B. 1356-23

Summation of Run
From B.M. 35-9
To B.M. 35-8A

Total Backsights = Hr 1874.371
Total Foresights = − 2491.138
Diff. Elev. = − 616.767

Backsight stadia = 422
Foresight Stadia = 420
Total Stadia = 842 meters

WEATHER Clear - Windy INST. NO. 96716
TIME 1:10 - 1:55 ROD NO. 9-19
NOTES CHKD [illegible] DATE AUG 4 '64

F.B. 2851 PG. 192 JOB NO. 0301.02
SURVEY OF E.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES FEB
INDEXED C. J. GALLI DATE

76P526 CE # 308 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM35-8A TO BM35-8B
BM35-8A													BM 35-8A Western Ave and 1st St. See F.B. 1356-23
1	140	474	441	5	149 132	17	68	842	369	5	27 59	18	π Valdez
BM35-8B													BM 35-8B Western Ave. & 1st St. See F.B. 1356-14

Summation of Bm
From B.M. 35-8A
To B.M. 35-8B

Total Backsights = + 140.474
Total Foresights = − 68.842
Diff. Elev. = + 71.632

Backsight stadia = 17
Foresight Stadia = 18
Total Stadia = 35 meters

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks
NOTES BY K. M. Kapp DATE 7-15-64 WEATHER Clear INST. NO. 9671
INDEXED DATE TIME 10:40 ROD NO. 9-19
NOTES CHKD. E. J. GALLI DATE
F.B. 2857 PG. 193

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Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 35-8B TO BM 35-8A
BM 35-8B													BM 35-8B Western Ave. & 1st St See F.B. 1356-14
1	70	910	371	5	79 61	18	142	515	443	5	151 133	18	π Valdez
BM 35-8A													BM 35-8A Western Ave. & 1st St See F.B. 1356-23

Summation of Run
From B.M. 35-8B
To B.M. 35-8A

Total Backsights = + 70.910
Total Foresights = − 142.515
Diff. Elev. = − 71.605

Backsight stadia = 18
Foresight Stadia = 18
Total Stadia = 36 meters

F.B. 2861 PG. 194 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES F.E.B.
INDEXED G. J. GARY DATE

WEATHER Clear INST. NO. 96716
TIME 1:30 ROD NO. 9-19
NOTES CHKD. [illegible] DATE AUG 4 '64

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 35-8B TO BM 35-8C
BM 35-8B													BM 35-8B Western Ave and 1st St. See F.B. 1356-14
1	275	031	576	5	285 266	19	29	302	330	5	40 19	21	
2	292	322	593	5	292 280	12 24 33	22	941	323	5	34 10	24 45	⊼ Valdez
3	266	498	567	5	279 254	25 68	124	583	425	5	137 111	26 71	
BM 35-8C													BM 35-8C Western Ave. & Santa Cruz St. See F.B. 1356-233
	833	851					176	826					

Summation of Run
From B.M. 35-8B
To B.M. 35-8C

Total Backsights = + 833.~~801~~ 851
Total Foresights = − 176.826
Diff. Elev. = +656.~~975~~ 7.025

Backsight stadia = 68
Foresight Stadia = 71
Total Stadia = 139 meters

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY L. E. Brooks
NOTES BY K. M. Kapp DATE 7-15-64
INDEXED DATE
WEATHER Clear
TIME 10:40-18:50
NOTES CHKD C. J. GALLI DATE
INST. NO. 9670
ROD NO. 9-19
F.B. 2851 PG. 195

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 35-8C TO BM 35-8B
BM 35-8C													BM 35-8C Western Ave. & Santa Cruz St. See F.B. 1356-233
1	125	788	426	5	138 / 112	26	266	958	567	5	279 / 254	25	
2	22	752	323	5	34 / 10	24 / 50	292	400	593	5	292 / 280	12x2 / 24 / 49	π Valdez
3	32	590	333	5	43 / 22	21 / 71	278	809	579	5	288 / 269	19 / 68	
	181	130					838	167					
BM 35-8B													BM 35-8B Western Ave. & 1st St See F.B. 1356-14

Summation of Run
From B.M. 35-8C
To B.M. 35-8B

Total Backsights = + 181.130
Total Foresights = − 838.167
Diff. Elev. = − 657.037

Backsight stadia = 71
Foresight Stadia = 68
Total Stadia = 139 meters

F.B. 2851 Pg. 196 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES FEB
INDEXED C. J. GALE DATE

WEATHER Clear INST. NO. 96716
TIME 1115-1:25 ROD NO. 9-19
NOTES CHKD [illegible] DATE NOV 4 '64

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM35-8C TO BM35-7
BM 35-8C													BM 35-8C Western Ave and Santa Cruz St. see F.B. 1856-233
1	234	496	535	5	248 220	28	119	809	420	5	132 106	26	
2	202	251	503	5	218 186	32 60	111	049	412	5	127 95	32 58	π Valdez
3	178	290	479	5	186 170	16 76	225	678	526	5	233 217	16 74	
	615	037					456	536					
BM 35-7													BM 35-7 Western Ave. near house #231 See F.B. 1356-13

Summation of Run
From B.M. 35-8C
To B.M. 35-7

Total Backsights = + 615.037
Total Foresights = − 456.536
Diff. Elev. = +158.501

Backsight stadia = 76
Foresight Stadia = 74
Total Stadia = 150 meters

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks
NOTES BY K. M. Kapp DATE 7-15-64
INDEXED DATE
WEATHER Clear
TIME 10:55-11:05
NOTES CHKD. E. J. GALLI DATE
INST. NO. 9671
ROD NO. 9-19
F.B. 1851 PG. 197

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 35-7 TO BM 35-8C
BM 35-7													BM 35-7 Western Ave. near house #231 See F.B. 1356-13
1	220	492	521	5	228 212	16	172	829	473	5	180 164	16	
2	108	591	409	5	124 92	32 48	200	121	501	5	216 184	32 48	⊼ Valdez
3	118	262	419	5	131 106	25 73	232	769	533	5	246 218	28 76	
	447	345					605	719					
BM 35-8C													BM 35-8C Western Ave. & Santa Cruz St. See F.B. 1356-233

Summation of Run
From B.M. 35-7
To B.M. 35-8C

Total Backsights = + 447.345
Total Foresights = − 605.719
Diff. Elev. = − 158.374

Backsight stadia = 73
Foresight Stadia = 76
Total Stadia = 149 meters

F.B. 2851 PG. 198 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES FEB
INDEXED G. J. GALLI DATE

WEATHER Clear INST. NO. 96716
TIME 1:05 - 1:15 ROD NO. 9-19
NOTES CHKD [signature] DATE AUG 4 '64

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks
NOTES BY E. E. Brooks DATE 15 July 1964
INDEXED DATE
WEATHER Clear
TIME 11:10 – 11:45
NOTES CHKD. [illegible] DATE
INST. NO. 96716
ROD NO. 9-19
F.B. 2851 PG. 199

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM35-7 TO BM35-6A
BM35-7													BM35-7 Western Ave near house # 231 See F.B. 1356-13
1	212	940	513	5	226 / 198	28	231	521	532	5	247 / 215	32	
2	36	150	337	5	50 / 22	28 / 56	260	951	561	5	274 / 247	27 / 59	T Valdez
3	31	389	332	5	47 / 15	32 / 88	223	233	524	5	239 / 208	31 / 90	
4	151	380	452	5	170 / 132	38 / 126	217	676	518	5	236 / 198	38 / 128	Summation of Run From B.M. 35-7 To B.M. 35-6A
5	113	860	414	5	130 / 96	34 / 160	197	590	498	5	213 / 180	33 / 161	
6	90	861	391	5	117 / 63	54 / 214	221	278	522	5	246 / 195	51 / 212	Total Backsights = + 770.958
7	62	374	363	5	87 / 37	50 / 264	289	531	590	5	289 / 267	22x2 / 44 / 256	Total Foresights = – 2492.304
8	23	928	324	5	38 / 9	29 / 293	287	475	588	5	302 / 272	30 / 286	Diff. Elev. = – 1721.346
9	28	886	329	5	44 / 12	32 / 325	273	381	574	5	290 / 257	33 / 319	Backsight stadia = 361
10	19	190	320	5	37 / 19	18x2 / 36 / 361	289	668	590	5	289 / 266	23x2 / 46 / 365	Foresight Stadia = 365
	770	958					2492	304					Total Stadia = 726 meters
BM35-6A													BM35-6A Western Ave and Park Western Dr. See F.B. 1356-

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STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 35-6A TO BM 35-7
BM 35-6A													BM 35-6A Western Ave and Park Western Dr. See F.B. 1356-234
1	284	272	585	5	284 263	21x2 42	15	185	316	5	35 15	20x2 40	
2	263	423	564	5	278 248	30 72	17	717	318	5	34 17	17x2 34 74	π Valdez
3	260	456	561	5	272 248	24 96	10	640	311	5	27 10	17x2 34 108	
4	297	581	598	5	297 271	26x2 52 148	56 ~~75~~	827 ~~178~~	357 ~~376~~	5 ~~5~~	78 34 ~~96~~ ~~54~~	44 ~~42~~ ~~150~~ 152	Summation of Run From B.M. 35-6A To B.M. 35-7
5	216	789	517	5	242 190	52 200	84	905	385	5	110 68	52 204	
6	194	476	495	5	211 177	34 234	112	399	413	5	129 95	34 238	Total Backsights = + 2434.824 ✓
7	217	316	518	5	236 198	38 272	150	405	451	5	169 132	37 275	Total Foresights = − 713.742 ✓
8	208	526	509	5	224 193	31 303	18	624	319	5	34 2	32 307	Diff. Elev. = + 1721.082 ✓
9	263	483	564	5	278 248	30 333	37	331	338	5	50 24	26 333	Backsight stadia = 362 ✓
10	228	502	529	5	242 213	29 362	209	709 ~~652~~	510	5	224 194	30 363 ✓	Foresight Stadia = 363 ✓
	2434	824					713	742					Total Stadia = 725 ✓ meters
BM 35-7													BM 35-7 Western Ave near house #231 See F.B. 1356-17

WEATHER Clear INST. NO. 96716

TIME 11:20 - 11:55 ROD NO. 9-19

NOTES CHKD. [signature] DATE AUG 4 64

JOB NO. 0301.02

SURVEY OF LA. Co. Precise Level Net

SURVEY BY [signature] NOTES F.E.B.

INDEXED [signature] DATE

F.B. 2851 PG. 200

76P526 CE # 308 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA	
BM 35-6A												
1	139	701	440	5	159 / 119	40	188	430	489	5	208 / 168	40
2	118	033	419	5	141 / 96	45 / 85	195	575	496	5	218 / 172	46 / 86
3	109	870	410	5	132 / 87	45 / 130	197	310	498	5	220 / 174	46 / 132
4	69	871	370	5	89 / 49	40 / 170	257	258	558	5	278 / 236	42 / 174
5	69	677	370	5	87 / 51	36 / 206	226	232	527	5	242 / 210	32 / 206
6	66	718	367	5	84 / 49	35 / 241	253	111	554	5	271 / 235	36 / 242
7	70	039	371	5	87 / 53	34 / 275	236	039	537	5	254 / 218	36 / 278
8	79	976	380	5	97 / 61	36 / 311	256	861	557	5	274 / 238	36 / 314
9	49	089	350	5	70 / 28	42 / 353	264	960	565	5	285 / 243	42 / 356
	772	974					2075	776				
BM 35-5B												

DESCRIPTION AND REMARKS

FROM BM35-6A TO BM35-5B

BM 35-6A
Western Ave and Park
Western Dr.
See F.B. 1356-234

T Valdez

Summation of Run
From B.M. 35-6A
To B.M. 35-5B

Total Backsights = + 772.974
Total Foresights = − 2075.776
Diff. Elev. = −1302.802

Backsight stadia = 353
Foresight Stadia = 356
Total Stadia = 709 Meters

BM 35-5B
Western Ave. & Caddington Dr.
See F.B. 1356-235

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks
NOTES BY K. M. Kapp DATE 7-15-64
INDEXED DATE
WEATHER Clear
TIME 1:05-1:40
NOTES CHKD E. J. GALLI DATE
INST. NO. 9671
ROD NO. 9-19
F.B. 1851 PG. 201

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 35-5B TO BM 35-6A
BM 35-5B													BM 35-5B Western Ave. & Gaddington Dr. See F.B. 1356-235
1	281	582 ~~631~~	582	5	302 260	42	65	787	366	5	85 44	41	
2	260	328	561	5	278 242	36 78	69	571	370	5	86 52	34 75	π Valdez (10 minutes Valdez to Restroom
3	217	129	518	5	235 199	36 114	70	299	371	5	87 53	34 109	Summation of Run From B.M. 35-5B To B.M. 35-6A
4	237	232	538	5	255 220	35 149	51	051	352	5	69 33	36 145	
5	240	722	541	5	256 224	32 181	78	258	379	5	96 60	36 181	
6	256	409	557	5	277 235	42 223	68	760	369	5	88 48	40 221	Total Backsights = + 2050.455 ✓ Total Foresights = − 747.762 ✓
7	192	153 ~~281~~	493	5	214 170	44 267	94	913	395	5	117 71	46 267	Diff. Elev. = +1302.693 ✓
8	185	199	486	5	208 162	46 313	115	368	416	5	137 92	45 312	Backsight stadia = 353 ✓ Foresight Stadia = 351 ✓
9	179	701	480	5	199 159	40 353	133	755	434	5	152 113	39 351	Total Stadia = 704 ✓ Meters
	2050	455 ✓					747	762 ✓					
BM 35-6A													BM 35-6A Western Ave. & Park Western Dr. See F.B. 1356-234

WEATHER Overcast INST. NO. 96716
TIME 10:45-11:20 ROD NO. 9-19
NOTES CHKD [signature] DATE AUG 4 '64

JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES K. M. Kapp
INDEXED [signature] DATE

F.B. 2851 PG. 202

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

105
72
33
219
177
37

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks
NOTES BY K. M. Kapp DATE 7-15-64
INDEXED DATE
WEATHER Clear
TIME 1:45-2:00
NOTES CHKD. J. GAIN DATE
INST. NO. 9671
ROD NO. 9-19
F.B. 2851 PG. 103

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 35-5B TO BM 35-5A
BM 35-5B													BM 35-5B Western Ave and Coddington Dr. See F.B. 1356-235
1	86	074	387	5	103 68	35	265	216	566	5	283 247	36	
2	46	148	347	5	61 31	30 65	238	724	539	5	252 224	28 64	π Valdez
3	43	123	344	5	60 27	33 98	265	712	566	5	282 249	33 97	
4	83	364	384	5	100 67	33 131	185	882	486	5	202 169	33 130	Summation of Run From B.M. 35-5B To B.M. 35-5A
5	112	943	413	5	117 108	9 140	186	360	487	5	191 180	11 141	
	371	652					1141	894					
BM 35-5A													BM 35-5A Western Ave. & Toscanini Dr. See F.B. 1356-236

Total Backsights = + 371.652
Total Foresights = − 1141.894
Diff. Elev. = − 770.242

Backsight stadia = 140
Foresight Stadia = 141
Total Stadia = 281 Meters

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 35-5A TO BM 35-5B
BM 35-5A													BM 35-5A Western Ave. & Toscanin Dr. See F.B. 1356-236
1	183	729	484	5	189 177	12	110	092	411	5	116 105	11	
2	195	840	496	5	212 178	34 46	86	882	387	5	102 70	32 43	π Valdez
3	253	497	554	5	269 237	32 78	42	921	343	5	59 26	33 76	
4	256 ~~253~~	192	557 ~~554~~	5	270 242	28 106	53	762	354	5	68 38	30 106	Summation of Rm From B.M. 35-5A To B.M. 35-5B
5	266	068	567	5	284 248	36 142	91	322	392	5	108 73	35 141	
	1155	326					384	979					
BM 35-5B													BM 35-5B Western Ave. & Caddington Dr. See F.B. 1356-235

Total Backsights = + 1155.326
Total Foresights = − 384.979
Diff. Elev. = +770.347

Backsight stadia = 142
Foresight Stadia = 141
Total Stadia = 283 meters

F.B. 2851 PG. 204 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY F. E. Brooks NOTES FEB

INDEXED C. J. GAIN DATE

WEATHER Overcast INST. NO. 96716

TIME 10:25-10:40 ROD NO. 9-19

NOTES CHKD [illegible] DATE AUG 4 '64

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA	
BM 35-5A												
1	56	511	357	5	74 38	36	272	270	573	5	290 254	36
2	35	020	336	5	52 18	34 70	265	046	566	5	281 249	32 68
3	54	692	355	5	70 38	32 102	274	046	575	5	293 255	38 106
4	62	331	363	5	77 48	29 131	254	571	555	5	269 239	30 136
5	43	782	344	5	60 26	34 165	253	591	554	5	268 238	30 166
6	63	612	364	5	78 49	29 194	250	019	551	5	264 235	29 195
7	45	973	346	5	62 29	33 227	266	165	567	5	282 250	32 227
8	53	773	354	5	67 38	29 256	262	543	563	5	277 247	30 257
9	42	486	343	5	59 26	33 289	267	773	568	5	284 251	33 290
10	47	107	348	5	63 32	31 320	252	751	553	5	267 237	30 320
11	32	090	333	5	50 14	36 356	288	241	589	5	288 270	18 36 356
	537	377					~~2907~~ 2907	006				
BM 35-4A												

DESCRIPTION AND REMARKS

FROM BM 35-5A TO BM 35-4A

BM 35-5A
Western Ave at Toscanini Dr. see F.B. 1356-236

π Valdez

Summation of [illegible]
From B.M. 35-5A
To B.M. 35-4A

Total Backsights = Nr 537.377
Total Foresights = − 2907.006
Diff. Elev. = −2369.629

Backsight stadia = 356
Foresight Stadia = 356
Total Stadia = 712 meters

BM 35-4A
Western Ave at Lochmann Farm Dairy see F.B. 1356-232

BM 35-4A

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks
NOTES BY F. E. Brooks DATE 15 July 1964
INDEXED DATE
WEATHER Clear
TIME 2:10-2:45
NOTES CHKD [illegible] DATE
INST. NO. 96710
ROD NO. 9-19
F.B. 2851 PG. 205

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM35-4A TO BM35-5A
BM35-4A													BM35-4A Western Ave at Lochmann Farms Davis See F.B. 1356-2
1	287	146	588	5	287 269	18 36	33	910	334	5	51 15	36	
2	256	649	557	5	271 241	30 66	47	719	348	5	62 32	30 66	T Valdez
3	265	394	566	5	282 249	33 99	44	330	345	5	60 28	32 98	
4	266	347	567	5	281 251	30 129	55	509	356	5	70 40	30 128	Summation of [illegible] From B.M. 35-4A To B.M. 35-5A
5	262	278	563	5	278 246	32 161	43	412	344	5	60 27	33 161	
~~6~~ 6	251	759	552	5	266 236	30 191	62	686	363	5	76 48	28 189	
7	260	842	561	5	276 244	32 223	52	142	353	5	68 36	32 221	Total Backsights = + 2908.363 ✓ Total Foresights = − 538.438 ✓ Diff. Elev. = +2369.925 ✓
8	256	452	557	5	271 241	30 253	57	118	358	5	72 43	29 250	
9	292	173	573	5	290 254	36 289	58	120	359	5	74 42	32 282	Backsight stadia = 356 ✓ Foresight Stadia = 354 ✓ Total Stadia = 710 ✓ meters
10	253	630	554	5	268 238	30 319	23	651	324	5	41 5	36 318	
11	275	693	576	5	293 256	37 356	59	841	360	5	77 41	36 354	
BM35-5A	2908	363 ✓					538	438 ✓					BM35-5A Western Ave. & Toscanini Dr. See F.B. 1356-236

F.B. 2851 PG. 206

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY E. E. Brooks NOTES FEB

INDEXED G. J. GALLI DATE

WEATHER Overcast INST. NO. 96716

TIME 9:50 - 10:25 ROD NO. 9-19

NOTES CHKD [illegible] DATE AUG 4 '64

76P526 CE # 308 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY P. E. Brooks WEATHER Clear
NOTES BY F. E. Brooks DATE 4-14-1964 TIME 2:45 - 3:20 INST. NO. 2-171
INDEXED DATE NOTES CHKD S. J. GALLI DATE 4-15-64 ROD NO. 2-19
F.B. 1356 Pg. 240

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 35-4A TO BM 35-4B
BM 35-4A													BM 35-4A Western Ave. at Lochmann Farms Dairy sec F.B. 1356-232
1	48	409	349	5	63 33	30	236	211	537	5	250 221	29	
2	77	280 ~~244~~ 244	378	5	91 63	28 58	174	209	475	5	189 159	30 59	To Valden
3	151	796	452	5	167 ~~135~~ 132	31 89	100	239	401	5	115 85	30 89	Summation of B.m. From B.M. 35-4A To B.M. 35-4B
4	257	506	558	5	273 242	31 120	29	176	330	5	45 13	32 121	
5	296	861	597	5	296 284	12+2 24 144	31	508	332	5	42 20	22 143	Total Backsights = + 1601.616 ✓ Total Foresights = − 814.999 ✓
6	280	659	581	5	295 265	30 174	35	078	336	5	50 20	30 173	Diff. Elev. = + 786.617 ✓
7	251	736	552	5	264 238	26 200	76	101	377	5	90 63	27 200	Backsight stadia = 230' Foresight Stadia = 230'
8	237	689	538	5	252 222	30 230	132	477	433	5	147 117	30 230	Total Stadia = 460' meters
	1601	616 ✓					814	999 ✓					
BM 35-4B													BM 35-4B Western Ave and S. entrance to Green Hills Memorial Park See F.B. 1356-237

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 1851 PG. 108 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY F. E. Brooks NOTES K. M. Kapp

INDEXED E. J. GALLI DATE

WEATHER Overcast INST. NO. 26716

TIME 9:80-2:50 ROD NO. 9-19

NOTES CHKD [illegible] DATE NG & GA

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 35-4B TO BM 35-4A
BM 35-4B													BM 35-4B Western Ave. & S. entran
1	138	415	439	5	153 123	30	245	601	546	5	261 229	32	to Green Hills Memorial Park
2	77	313	378	5	91 64	27 57	250	445	551	5	263 237	26 58	See F.B. 1356-237
3	34	950	335	5	99 79	30 87	281	469	582	5	296 266	30 88	T Valdez
4	35	737	336	5	46 24	22 109	300	300	601	5	300 288	1/2 12 24 112	Summation of Sta From B.M. 35-4B To B.M. 35-4A
5	29	399	330	5	45 13	32 141	258	563	559	5	273 243	30 142	
6	117	263	418	5	132 102	30 171	168	096	469	5	184 153	31 173	Total Backsights = + 847.638 ✓ Total Foresights = − 1634.226 ✓ Diff. Elev. = − 786.588 ✓
7	180	792	481	5	196 165	31 202	84	199	385	5	98 70	28 201	Backsight stadia = 232 ✓ Foresight Stadia = 231 ✓
8	233	769	534	5	248 218	30 232	45	553	346	5	60 30	30 231	Total Stadia = 463 ✓ Meters
	847	638	✓				1634	226	✓				
BM 35-4A													BM 35-4A Western Ave. @ Lochman Farms Dairy See F.B. 1356-232

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks WEATHER Overcast
NOTES BY M. Rustman DATE 9-17-64 TIME 9:55- INST. NO. 2674
INDEXED DATE NOTES CHKD DATE ROD NO. 9-12
F.B. 1851 PG. 209

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 35-48 TO BM 35-3
BM 35-48													BM 35-48
1.	246	500	547	5	262 / 230	32	23	435	324	5	39 / 7	32	Western Ave. & S. entrance to Green Hills Memorial Park
2	300	230	601	5	300 / 284	16 x2 32	9	300	310	5	24 / 9	15 x2 30	see F.B. 1356-237
						64						62	
3	296	731	597	5	296 / 283	13 x2 26	4	400	305	5	16 / 4	12 x2 24	T K 8pp
						90						86	
4.	274	169	575	5	284 / 264	20	48	853	349	5	58 / 38	20	
						110						106	
5.	283	322	584	5	292 / 274	18	52	783	353	5	62 / 42	20	
					292	128						126	
6.	292	830	593	5	282	10 x2 20	62	532	363	5	72 / 52	20	
					264	148					47	146	
7	255	798	556	5	246	18	38	760	339	5	29	18	
					290	166					57	164	
8	281	200	582	5	272	18	47	040	340	5	37	20	
					297	184					72	184	
9	297	161	598	5	287	10 x2 20	62	659	363	5	52	20	
					292	204					50	204	
10	292	370	583	5	280	12 x2 24	38	860	339	5	26	24	
					292	228					150	228	
11	292	980	593	5	276	16 x2 32	134	448	435	5	118	32	
					157	260					230	260	
12	142	100	443	5	127	30	216	080	517	5	202	28	
						290						288	

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

F.B. 2851 PG. 210 | JOB NO 0301.02 | SURVEY OF L.A. Co. Precise Level Net | SURVEY BY E. E. Brooks | NOTES M. Bustamante | INDEXED [illegible] | DATE [illegible]

WEATHER overcast | INST. NO 96716 | TIME 9:35 - 12:45 | ROD NO 9-19 | NOTES CHKD [illegible] | DATE AUG 4 '64

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 35-4B TO BM 35-3
~~BM 35-3~~													~~BM 35-3~~
13.	50	020	351	5	66 34	290 32	263	950	564	5	279 247	288 32	~~Western Ave, 0.1 mile S. of Palos Verde Dr. N~~
14	156	688	457	5	174 138	322 36	192	372	493	5	212 172	320 40	~~See F.B. 1356-9~~
15.	221	540	522	5	238 207	358 31	97	868	398	5	114 86	360 34	~~T~~
16.	234	936	535	5	250 218	392 32	155	191	456	5	171 139	394 32	Summation of From B.M. 35-4B To B.M. 35-3
17	182	190	483	5	194 170	424 24	235	410	536	5	248 222	426 24	
	4100	765	✓			448	1683	941	✓			452	
BM 35-3													BM 35-3 Western Ave, 0.1 mile S. of palos Verdes. Dr. N See FB 1356-9

Total Backsights = 4100.765 ✓

Total Foresights = 1683.941 ✓

Diff. Elev. = +2416.824 ✓

Backsight stadia = 448 ✓

Foresight Stadia = 452 ✓

Total Stadia = 900 ✓

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E.E. Brooks DATE July 20-66 WEATHER Clear INST. NO. 8671
NOTES BY W.J. Bostrum TIME 11:05 - ROD NO. 7-19
INDEXED DATE NOTES CHKD C.J. GALL DATE 8/22/66
F.B. 2351 PG. 211

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 35-3 TO BM 35-48
BM 35-3													BM 35-3 Western Ave, 0.1 mile S. of Palos Verdes Dr. N. See F.B. 1356-9
1	231	077	532	5	244 218	26	158	142	459	5	170 146	24	T K Sipp
2	136	568	437	5	152 120	32 58	243	960	544	5	258 228	30 54	
3	116	593	417	5	130 102	28 86	232	600	533	5	252 212	40 94	
4	169	418	470	5	191 147	44 130	133	712	434	5	159 116	34 128	
5	261	048	562	5	277 245	32 162	46	840	347	5	62 30	32 160	
6	213	820	514	5	226 200	26 188	139	778	440	5	154 124	30 190	
7	114	622	415	5	130 98	32 220	273	340	574	5	288 258	30 220	
8	58	623	359	5	70 46	24 244	294	838	595	5	294 283	11x2 22 242	
9	45	550	346	5	55 35	20 264	295	178	596	5	295 284	11x2 22 264	
10	51	192	352	5	60 42	18 282	287	270	588	5	296 278	18 282	
11	45	110	346	5	54 36	18 300	261	918	562	5	270 252	18 300	
12	47	070	348	5	58 36	22 322	277	679	578	5	286 268	18 318	

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 1357 PG. 212 JOB NO.

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY F. E. Brooks NOTES M. Eastman DATE

INDEXED [illegible] DATE

WEATHER Clear INST. NO. 96716

TIME 11:25 ROD NO. 9-15

NOTES CHKD [illegible] DATE AUG 4 '64

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 35-3 TO BM 35-4B
					77	322					318		
13	69	993	370	5	61	16	300	560	601	5	300 / 290	10×2 / 20	
					70	338					295	338	
14	61	338	362	5	52	18	285	520	586	5	275	20	
					42	356					293	358	
15	30	728	332	5	18	24	293	470	594	5	281	24	
						380						382	
					29						302		
16	15	242	316	5	15	14×2 / 28	284	348	590	5	276	26	
						408						408	
					28						299		
17	10	640	311	5	10	18×2 / 36	280	528	581	5	261	38	
	1677	994	✓			444	4094	6817				446	

Summation of Ku
From B.M. 35-3
To B.M. 35-4B

BM 35-4B

BM 35-4B
Western Ave. & S. entrance to Green Hills memorial park
See F.B. 1356-237

Total Backsights = 1677.994 ✓

Total Foresights = 4094.681 ✓

Diff. Elev. = 2416.687 ✓

Backsight stadia = 444 ✓

Foresight Stadia = 446 ✓

Total Stadia = 890

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks
NOTES BY F. E. Brooks DATE 17 July 64
INDEXED DATE
WEATHER Hazy
TIME 10:45 - 11:15
NOTES CHKD
INST. NO. 96714
ROD NO. 9-19
F.B. 2851 PG. 217

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA	
BM 35-3												
1	112	380	413	5	130 / 94	36	290 / ~~289~~	030	590	5	290 / 272	18x2 / 36
2	22	482	323	5	41 / 3	38 / 74	299	580	600	5	299 / 283	16x2 / 32 / 68
3	25	822	326	5	38 / 12	26 / 100	276	968	577	5	288 / 264	24 / 92
4	111	393	412	5	119 / 103	16 / 116	251	678	552	5	261 / 241	20 / 112
5	31	360	332	5	46 / 16	30 / 146	298	611	599	5	298 / 283	15x2 / 30 / 142
6	44	645	345	5	57 / 31	26 / 172	289	890	590	5	289 / 274	15x2 / 30 / 172
7	43	040	344	5	57 / 29	28 / 200	283	502	584	5	297 / 269	28 / 200
8	38	216	339	5	49 / 27	22 / 222	247	580	548	5	260 / 234	26 / 226
9	62	352	363	5	76 / 48	28 / 250	282	656	583	5	294 / 270	24 / 250
10	98	685	399	5	106 / 90	16 / 266	201	463	502	5	208 / 194	14 / 264
	590	375					2721	928				
BM 35-2												

DESCRIPTION AND REMARKS

FROM BM 35-3 TO BM 35-2

BM 35-3
Western Ave 0.1 mile S. of Palos Verdes Dr. N.
See F.B. B56-9

T Kapp

Summation of Run
From B.M. 35-3
To B.M. 35-2

Total Backsights = + 590.375
Total Foresights = − 2721.928
Diff. Elev. = + 2131.553

Backsight stadia = 266
Foresight Stadia = 264
Total Stadia = 530 meters

BM 35-2
Western Ave 281 ft S. of Hillcrest Ave See F.B. B56-8

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA	
BM35-2												
1	204	020	505	5	211 197 14	14	101	756	402	5	109 93	16
2	282	550	583	5	295 269	26 40	61	921	362	5	74 48	26 42
3	242	920	543	5	254 230	24 64	33	498	334	5	45 21	24 66
4	284	028	585	5	298 270	28 92	43	538	344	5	57 29	28 94
5	280	580	581	5	294 266	28 120	35	308	336	5	49 21	28 122
6	299	578	600	5	299 284	15×2 30 150	32	151	333	5	47 17	30 152
7	227	698	528	5	236 218	18 168	87	520	388	5	96 78	18 170
8	270	261	571	5	281 259	22 190	19	182	320	5	32 6	26 196
9	281	620	582	5	299 263	36 226	4	451	305	5	22 4	18×2 36 232
10	280	062	581	5	300 260	40 266	102	438	403	5	118 86	32 264
	2653	317					521	763				
BM35-3												

DESCRIPTION AND REMARKS

FROM BM35-2 TO BM35-3

BM 35-2
Western Ave 281 ft. S. of Hillcrest Ave See F.B. 1356-8

π Kapp

Summation of Run
From B.M. 35-2
To B.M. 35-3

Total Backsights = + 2653.317
Total Foresights = − 521.763
Diff. Elev. = +2131.554

Backsight stadia = 266
Foresight Stadia = 264
Total Stadia = 530 meters

BM35-3
Western Ave 0.1 mile S. Palos Verdes Dr. N.

07

F.B. 2851 PG. 214 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY F. E. Brooks NOTES M. Bustrum

INDEXED [illegible] GAIN DATE

WEATHER Clear INST. NO. 96716

TIME 10:25 – 11:00 ROD NO. 9-19

NOTES CHKD [illegible] DATE AUG 1 '64

76P526 CE # 308 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM BM35-2 TO BM35-2B L.W.5
BM35-2	301	111	602 5	301 15xx 286 30	290	490	591 5	290 15xx 276 30	BM35-2 Westen Ave 281 ft S. of Hill-crest Ave. See F.B. 1356-8
BMLW5									BMLW5 = BM35-2B Western Ave in front of house # 26347 per F.B. 1356-41

Summation of Bm
From B.M. 35-2
To B.M. LW5 = 35-2B

Total Backsights = + 301.111
Total Foresights = − 290.490
Diff. Elev. = + 10.621

Backsight stadia = 30
Foresight Stadia = 30
Total Stadia = 60 meters

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks
NOTES BY F. E. Brooks DATE 17 July 1964 WEATHER Hazy
INDEXED DATE NOTES CHKD. C. J. GALLI DATE
TIME 11:20 INST. NO. 9671 ROD NO. 9-19
F.B. 2851 PG. 215

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM LW 5 35-2B TO BM 35-2
BM LW 5	286	941	587	5	301 271	30	297	566	598	5	297 282	15 30	BM LW. 5 = 35-2B Wm Western Ave in front of house # 26347 per F.B. 1356-41 π Kapp
BM 35-2													BM 35-2 Western Ave 281 ft. S. of Hillcrest Ave. See F.B. 1356-8

Summation of Bm
From B.M. LW 5 = 35-2B Wm
To B.M. 35-2

Total Backsights = + 286.941 ✓
Total Foresights = − 297.566 ✓
Diff. Elev. = − 10.625 ✓

Backsight stadia = 30 ✓
Foresight Stadia = 30 ✓
Total Stadia = 60 ✓ meters

F.B. 2851 PG. 216 JOB NO. 0301.02
SURVEY OF F.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES FEB
INDEXED G. J. GALLI DATE

WEATHER Clear INST. NO. 96716
TIME 10:10 ROD NO. 9-19
NOTES CHKD [illegible] DATE AUG 4 '64

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM LW5 35-2B TO BM 35-2A
BM LW5													BM LW 5 = 35-2B Western Ave in front of house # 26347 per F.B. 1356-41
1	68	849	369	5	79 57	22	274	202	575	5	287 261	26	
2	59	084	360	5	71 47	24 46	254	318	555	5	264 244	26 40	
	127	933					528	520					π Kapp
BM 35-2A													BM 35-2A Western Ave and Hillcrest Ave See F.B. 1356-8

Summation of Run
From B.M. LW5 = 35-2B
To B.M. 35-2A

Total Backsights = + 127.933
Total Foresights = − 528.520
Diff. Elev. = − 400.587

Backsight stadia = 46
Foresight Stadia = 46
Total Stadia = 92 meters

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks
NOTES BY F. E. Brooks DATE 17 July 1964
INDEXED DATE
WEATHER Hazy
TIME 11:25-11:30
NOTES CHKD E. J. GALLI DATE AUG 4 '64
INST. NO. 9671
ROD NO. 9-19
F.B. 2851 PG. 217

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Do not extend notes this side of this line.

INST. NO. 9C1016 ROD NO. 9-19 DATE AUG 4 '64

WEATHER Clear TIME 10:00 - 10:05 NOTES CHKD [illegible]

F.B. 2851 PG. 218 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY F. E. Brooks NOTES F.B.

INDEXED E. J. Gall DATE

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 35-2A TO BM LW 5 (35-2B)
BM 35-2A													BM 35-2A Western Ave and Hillcrest Ave See F.B. 1356-E
1	257	308	558	5	267 247	20	~~262~~ 12	212	~~563~~ 363	5	73 51	22	
2	274	686	575	5	287 261	26 46	69	322	370	5	80 68	24 44	T Kapp
	532	054 ✓					131	534	✓				
BM LW 5													BM LW 5 = 35-2B Western Ave in front of house # 26347 See F.B. 1356-41

Summation of Rem
From B.M. 35-2A
To B.M. LW 5 = 35-2B

Total Backsights = + 532.054 ✓
Total Foresights = − 131.534 ✓
Diff. Elev. = +400.520 ✓

Backsight stadia = 46 ✓
Foresight Stadia = 44 ✓
Total Stadia = 90 meters

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA	
BM 35-2A												
1	103	200	404	5	114 / 92	22	285	950	586	5	296 / 274	22
2	54	302	355	5	62 / 46	16 / 38	296	638	597	5	296 / 288	8×2 / 16 / 38
3	5	161	306	5	18 / 5	13×2 / 26 / 64	195	695	496	5	208 / 182	26 / 64
4	51	240	352	5	65 / 37	28 / 92	259	330	560	5	273 / 245	28 / 92
5	5	450	306	5	16 / 5	11×2 / 22 / 114	286	270	587	5	297 / 275	22 / 114
6	33	930	334	5	47 / 19	28 / 142	209	681	510	5	222 / 196	26 / 140
7	23	685	324	5	32 / 14	18 / 160	140	568	441	5	148 / 132	16 / 156
8	106	730	407	5	110 / 102	8 / 168	218	560	519	5	222 / 214	8 / 164
	383	698					1892	692				
BM L.W.2												

DESCRIPTION AND REMARKS 35-1A

FROM BM 35-2A TO BM L.W. 2

BM 35-2A
Western Ave and Hillcrest Ave
See F.B. 1356-8

π Kapp

Summation of Run
From B.M. 35-2A
To B.M. LW 2 = 35-1A when

Total Backsights = + 383.698
Total Foresights = − 1892.692
Diff. Elev. = − 1508.994

Backsight stadia = 168
Foresight Stadia = 164
Total Stadia = 332 meters

BM L.W. 2 = 35-1A when
Western Ave and 262nd St.
See F.B. 1356-39

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E.E. Brooks
NOTES BY M. Bustrum DATE 7-17-64
INDEXED DATE
WEATHER clear
TIME 11:35 - 12:00
NOTES CHKD C. J. GAIN DATE
INST. NO. 9671
ROD NO. 9-17
F.B. 2851 PG. 219

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA	
BM LW 2												
1	215	591	516	5	219 211	8	103	531	404	5	107 99	8
2	123	671	424	5	133 113	20 28	9	762	310	5	19 9	10x2 20 28
3	283	572	584	5	292 274	18 46	31	260	332	5	40 22	18 46
4	281	051	582	5	289 273	16 62	39	852	340	5	47 31	16 62
5	294	307	595	5	294 285	9x2 18 80	28	428	329	5	37 19	18 80
6	292	338	593	5	302 282	20 100	6	442	307	5	16 6	10x2 20 100
7	246	529	547	5	254 238	16 116	67	348	368	5	75 59	16 116
8	256	822	557	5	264 248	16 132	198	110	499	5	205 191	14 130
	1993	881					484	733				
BM 35-2A												

DESCRIPTION AND REMARKS

FROM BM LW 2 (35-1A) TO BM 35-2A

BM LW 2 = 35-1A
Western Ave and 262nd St.
See FB 1356-39

Kapp.

Summation of Run
From B.M. LW 2 = 35-1A
To B.M. 35-2A

Total Backsights = + 1993.881
Total Foresights = − 484.733
Diff. Elev. = +1509.148

Backsight stadia = 132
Foresight Stadia = 130
Total Stadia = 262 meters

BM 35-2A
Western Ave and Hillcrest Ave see F.B. 1356-8

WEATHER Clear INST. NO. 96716
TIME 9:35 - 10:00 ROD NO. 9-19
NOTES CHKD [signature] DATE AUG 4 '64

JOB NO. 0301.02
SURVEY OF LA Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES FEB
INDEXED C. J. GALLI DATE

F.B. 2851 PG. 220

76P526 CE # 308 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks
NOTES BY M. Bustrum DATE 7-17-64
INDEXED DATE
WEATHER Cloudy
TIME 1:10 - 1:30
NOTES CHKD. L. J. GALLI DATE
F.B. 2851 PG. 221
INST. NO. 962
ROD NO. 9-19

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM L.W.2 35-1A TO BM 35-1
BM L.W.2													BM L.W.2 = 35-1A
													Western Ave and 262 Th st.
1	131	300	432	5	143 / 119	24	277	021	578	5	288 / 266	22	see F.B. 1356-39
2	21	451	322	5	33 / 9	24	287	049	588	5	300 / 274	26	TK app
						48						48	
3	34	175	335	5	46 / 22	24	262	478	563	5	274 / 250	24	
						72						72	
4	28	260	329	5	40 / 16	24	251	610	552	5	263 / 239	24	Summation of Run
						96						96	From B.M. L.W.2 = 35-1A
5	16	288	317	5	29 / 3	26	271	442	572	5	285 / 257	28	To B.M. 35-1
						122						124	
6	71	955	372	5	82 / 60	22	252	112	553	5	262 / 242	20	
	303	429				144	1601	712				144	

Total Backsights = + 303.429
Total Foresights = − 1601.712
Diff. Elev. = −1298.283

BM 35-1

BM 35-1
Western Ave & 260 th st.

Backsight stadia = 144 see F.B. 1356-7
Foresight Stadia = 144
Total Stadia = 288

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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F.B. 1351 PG. 122 JOB NO. 0301.02

SURVEY OF E.A. Co. Precise Level Net

SURVEY BY E. E. Brooke NOTES

INDEXED E. J. CALL DATE

WEATHER Clear INST. NO. 46716

TIME 9:20 - 9:30 ROD NO. 5-19

NOTES CHKD DATE AUG 4 '64

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS 35-1A
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 35-1 TO BM L.W.2
BM 35-1													BM 35-1 Western Ave & 260 th St See FB 1356-7
1	259	480	560	5	270 248	22	79	238	380	5	90 68	22	
2	271	961	572	5	285 257	28 50	17	780	318	5	30 4	26 48	A Kapp
3	252	119	553	5	264 240	24 74	27	730	328	5	39 15	24 72	Summation of Sta From B.M. 35-1 To B.M. L.W.2 = 35-1A with
4	264	740	565	5	276 252	24 98	41	339	342	5	53 29	24 96	
5	284	117	587	5	299 273	26 124	15	481	316	5	27 3	24 120	
6	292	329	598	5	302 282	20 144	146	861	447	5	158 134	24 144	Total Backsights = + 1626.746 ✓ Total Foresights = − 328 429 ✓ Diff. Elev. = +1298.317 ✓
	1626	746 ✓					328	429 ✓					
BM L.W.2													BM L.W.2 = 35-1A with Western Ave & 262 Nol St.
							Backsight stadia = 144 -						
							Foresight Stadia = 144 -						
							Total Stadia = 288 -						See F.B. 1356-59

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

SURVEY BY _____ WEATHER Clear - Windy INST. NO. 9671

NOTES BY E. E. Brook DATE 17 July 1964 TIME 1:30 - 1:50 ROD NO. 9-19

INDEXED _____ DATE _____ NOTES CHKD C. J. GALLI DATE _____

F.B. 2851 PG. 223

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 35-1 TO BM 21-66
BM 35-1													BM 35-1 Western Ave and 260th St. see F.B. 1356-7
1	139	485	440	5	155 / 123	32	173	180	474	5	189 / 157	32	
2	156	224	457	5	176 / 136	40 / 72	218	380	519	5	240 / 196	44 / 76	π Kapp
3	193	942	494	5	213 / 173	40 / 112	174	329	475	5	192 / 156	36 / 112	
4	190	038	491	5	211 / 169	42 / 154	192	178	493	5	214 / 170	44 / 156	Summation of Run From B.M. 35-1 To B.M. 21-66
	679	689					758	067					
BM 21-66													BM 21-66 Western Ave and Pacific Coast Hwy see F.B. 1391-62

Total Backsights = + 679.689
Total Foresights = − 758.067
Diff. Elev. = − 78.378

Backsight Stadia = 154
Foresight Stadia = 156
Total Stadia = 310

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 21-66 TO BM 35-1
BM 21-66													BM 21-66 Western Ave & pacific Coast Hwy See FB. 1391-62
1	190	916	491	5	212 168	44	188	840	489	5	209 167	42	
2	172	652	473	5	191 153	38 82	172	168	473	5	191 153	38 80	π Kapp
3	198	663	499	5	220 176	44 126	156	772	457	5	176 136	40 120	
4	171	354	472	5	186 156	30 156	137	628	438	5	154 120	34 154	Summation of Run From B.M. 21-66 To B.M. 35-1
	733	585					655	408					
BM 35-1													BM 35-1 Western Ave & 260 th St. See FB 1356-7

Total Backsights = + 733.585

Total Foresights = − 655.408

Diff. Elev. = + 78.177

Backsight stadia = 156

Foresight Stadia = 154

Total Stadia = 310

WEATHER clear INST. NO. 96716

TIME 9:05 9:15 ROD NO. 9-19

NOTES CHKD [illegible] DATE AUG 4 '64

F.B. 2851 PG. 224 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY F. E. Br NOTES M Bustrum

INDEXED [illegible] J. GALL DATE

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E.E. Brooks WEATHER Clear-Windy INST. NO. 2477
NOTES BY E.E. Brooks DATE 17 July 1964 TIME 1150 - 1320 ROD NO. 9-19
INDEXED DATE NOTES CHKD L.J. GALL DATE
F.B. 1391 PG. 23

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 21-66 TO BM 21-64
BM 21-66													BM 21-66
1	222	930	523	5	234 / 210	24	138	784	439	5	150 / 126	24	Western Ave and Pacific Coast Hwy See F.B. 1391-62
2	187	576	488	5	206 / 168	38 / 62	93	905	394	5	114 / 72	42 / 66	T Kapp
3	229	295	530	5	248 / 210	38 / 100	93	600	394	5	111 / 75	36 / 102	
4	227	770	528	5	249 / 205	44 / 144	98	356	399	5	119 / 77	42 / 144	Summation of Bm From B.M. 21-66 To B.M. 21-64
5	221	148	522	5	241 / 201	40 / 184	116	442	417	5	136 / 96	40 / 184	
6	199	070	500	5	220 / 178	42 / 226	107	790	408	5	129 / 85	44 / 228	
7	177	456	478	5	201 / 163	46 / 274	45	460	346	5	68 / 22	46 / 274	Total Backsights = + 2075.230 ✓ Total Foresights = − 939.694 ✓ Diff. Elev. = + 1135.536 ✓
8	221	340	522	5	238 / 204	34 / 308	105	385	406	5	120 / 90	30 / 304	
9	188	411	489	5	202 / 174	28 / 336	100	062	401	5	117 / 83	34 / 338	Backsight stadia = 356 ✓ Foresight Stadia = 358 ✓ Total Stadia = 714 meters
10	200	230	501	5	210 / 190	20 / 356	40	308		5	50 / 30	20 / 358	steel tape used on Foresight
	2075	230	✓				939	694	✓				
BM 21-64													BM 21-64 Pacific Coast Hwy near Eshelman Ave See F.B. 1391-61

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

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F.B. 2861 Pg. 22L — JOB NO. 030102 — INST. NO. 9C1716
SURVEY OF L.A.Co. Precise Level Net — ROD NO. 9-16
SURVEY BY FE Smith NOTES FB 1391 - Bottom — DATE AUG 4 '64
INDEXED R.J. Gallu DATE — NOTES CHKD DLF — TIME 2:30 - 3:00 — WEATHER Clear

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM21-64 TO BM21-66
BM21-64													BM 21-64 Pacific Coast Hwy. near Eshelman Ave see F.B. 1391-61
1	39	662			49/29	20	199	390	500	5	204/189	20	
2	80	165	381	5	94/64	32/52	160	580	469	5	187/153	30/50	
3	105	222	406	5	121/89	32/84	220	940	522	5	236/204	32/82	Steel Tape used on backsight + Kaff
4	47	087	348	5	70/24	46/130	179	190	480	5	207/155	48/130	
5	106	951	407	5	129/85	42/172	198	153	499	5	219/177	42/172	
6	115	348	416	5	135/95	40/212	219	298	520	5	238/200	38/210	Summation of Bss From B.M. 21-64 To B.M. 21-66
7	97	430	398	5	118/76	42/254	227	640	528	5	249/205	44/254	
8	91	240	392	5	110/72	38/292	224	350	525	5	242/206	36/290	
9	93	470	394	5	118/72	42/334	189	808	490	5	208/170	38/328	
10	145	210	446	5	155/135	20/354	229	611	530	5	243/215	28/356	
	921	785					2056	960					Total Backsights = + 921.785 ✓
													Total Foresights = − 2056.960 ✓
													Diff. Elev. = − 1135.175 ✓
													Backsight stadia = 354 ✓
													Foresight Stadia = 356
													Total Stadia = 710 meters
BM21-66													BM 21-66 Western Ave and Pacific Coast Hwy See F.B. 1391-62

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY L. E. Brooks
NOTES BY M Bostrum DATE 20 July 1964
INDEXED DATE
WEATHER Clear
TIME 2:20 - 3:00
NOTES CHKD L. J. GALLI DATE
INST. NO. 9671
ROD NO. 9-19
F.B. 2857 PG. 22

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA	
BM 21-66												
1	225	670	526	5	237 / 213	24	141	123	442	5	153 / 129	24
2	189	615	490	5	208 / 170	38 / 62	96	094	397	5	117 / 75	42 / 66
3	231	473	532	5	250 / 212	38 / 100	95	790	396	5	112 / 77	35 / 101
4	225	396	526	5	247 / 203	44 / 144	95	312	396	5	116 / 74	42 / 143
5	219	437	520	5	239 / 199	40 / 184	115	122	416	5	135 / 95	40 / 183
6	197	500	498	5	218 / 176	42 / 226	106	862	407	5	128 / 84	44 / 227
7	195	590	496	5	219 / 171	48 / 274	62	861	363	5	86 / 38	48 / 275
8	219	730	520	5	236 / 202	34 / 308	104	061	405	5	120 / 88	32 / 307
9	171	580	472	5	186 / 156	30 / 338	83	230	384	5	99 / 67	32 / 339
10	200	964	501	5	210 / 190	20 / 358	41	140		5	51 / 31	20 / 359
	2076	955					941	585				
BM 21-64												

DESCRIPTION AND REMARKS

FROM BM 21-66 TO BM 21-64

BM 21-66
Western Ave and Pacific Coast Hwy See F.B. 1391-62

⊼ Kapp

Summation of Run
From B.M. 21-66
To B.M. 21-64

Total Backsights = + 2076.955
Total Foresights = − 941.585
Diff. Elev. = + 1135.370

Backsight stadia = 358
Foresight Stadia = 359
Total Stadia = 717 meters

steel tape used on Foresight

BM 21-64
Pacific Coast Hwy near Eshelman Ave See F.B. 1391-61

F.B. 2851 Pg. 128 JOB NO.

SURVEY OF

SURVEY BY NOTES

INDEXED DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD DATE

PLEASE RETURN TO

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403 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of L.A. Co. PRECISE LEVEL NET F.-B. 2851 PG. 229
Map No.	IN 0301.02 Tape Std oF
Office Work	Surveyed by G.E. DREIER
Checked	Notes G.E.D. Date 2-14-66
Date	Indexed ~~C. J. GALLI FEB 21 '66~~

L.A. CO PRECISE LEVEL NET

JOB NO. 0301.02

LINE NO. 34

DESCRIPTION OF B.M. 34-23A

DIFF. IN ELEV B.M. 34-21A TO 34-24A, INCLUSIVE

DREIER
WILKS
MATHER
McKNIGHT
WILL

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

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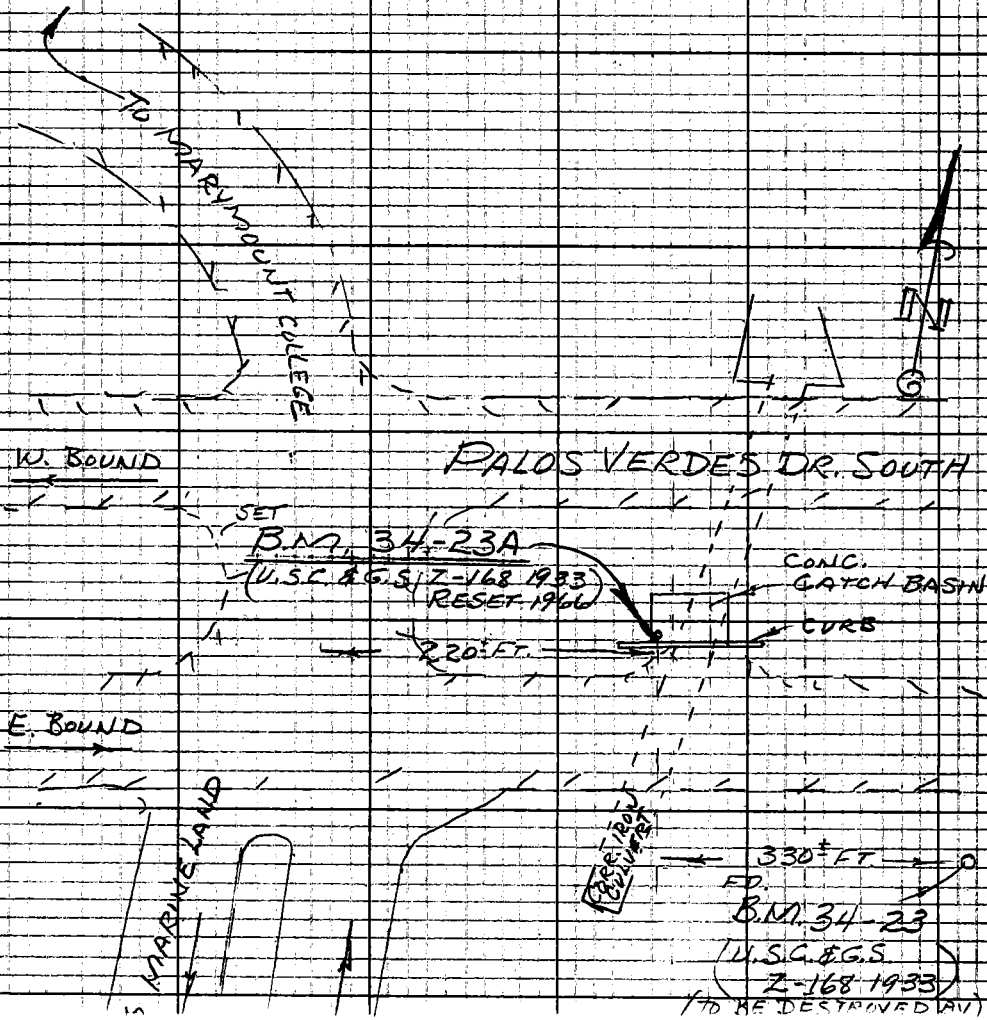
100 LOS ANGELES COUNTY ENGINEERING BLDG.

763094 CE #247 7-58

F.B. 2851 PG. 230

B.M. 34-23A (U.S.C.&G.S. Z-168 1933 RESET 1966)

THIS B.M. IS IN LOS ANGELES COUNTY, PALOS VERDES PENINSULA AREA, ON PALOS VERDES DRIVE SOUTH, 220± FT. E'LY FROM INTERSECTION OF E'LY ENTRANCE TO MARINELAND OF THE PACIFIC, ENTRANCE TO MARYMOUNT COLLEGE TO N.W., SET A STD. U.S.C.&G.S. 3½ IN B.M. BRASS DISC STAMPED "Z-168 1933 RESET 1966" IN S.W. COR OF CATCH BASIN ON N'LY SIDE OF EAST BOUND LANES OF PALOS VERDES DR. SOUTH



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76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY DREIER
NOTES BY WILKS DATE 2-14-66 WEATHER SUNNY INST. NO. 9671
INDEXED C. J. GALLI DATE TIME 10:50-11:10 ROD NO. 9419
NOTES CHKD DATE

F.B. 2851 PG. 23

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS FROM B.M. 34-21 A TO B.M. 34-23
B.M. 34-21A													B.M. 34.21A (U 1053)
1	287	278	588	5	1/2 248 / 287	78	10	974	311	5	1/2 10 / 50	80	PALOS VERDES DR. S. & BABKENTINE
~~2~~ ~~3~~ 2	293	062	594	5	1/2 276 / 293	34	24	233	325	5	7 / 41	34	RD. N.E. COR. SEE F.B. 1355-47
~~4~~ 3	250	348	551	5	230 / 270	112 / 40	182	028	483	5	163 / 203	114 / 40	
4	14	024	315	5	1/2 14 / 43	152 / 58	299	074	600	5	1/2 267 / 299	154 / 64	
5	46 ~~6~~	719	347	5	20 / 72	210 / 52	231	933	532	5	206 / 256	218 / 50	
6	36	518	337	5	3 / 69	262 / 66	244	623	545	5	211 / 277	268 / 66	
7	105	763	406	5	64 / 146	328 / 82	211	737	512	5	172 / 250	334 / 78	
						410 ✓						412 ✓	
B.M. 34-23												410 ✓	B.M. 34-23 (Z-168) (U.S. 2888)
	1033	712 ✓					1204	602 ✓				822 ✓	PALOS VERDES DR. S. 572'± EAST
							1033	712 ✓					OF EAST ENTRANCE TO MARINELAND
							170	890 ✓					SEE F.B. 1355-26

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS FROM B.M. 34-23 TO B.M. 34-21A
B.M. 34-23													B.M. 34-23
1	132	780	433	5	117/147	30	89	859	390	5	74/104	30	PALOS VERDE DR. S. 572' ± E.
2	182	610	483	5	146/218	72	96	170	397	5	59/133	74	OF E. ENTRANCE TO MARINELAND
						102						104	SEE. F.B. 1355-26
3	278	708	579	5	½ 243/278	70	10	269	311	5	½ 10/44	68	
						172						172	
4	264	619	565	5	237/291	54	21	765	322	5	½ 21/49	56	
						226						228	
5	272	080	573	5	244/300	56	92	508	393	5	64/120	56	
						282						284	
6	61	232	362	5	43/79	36	221	628	522	5	204/239	35	
						318						319	
7	22	438	323	5	½ 22/45	46	294	671	595	5	½ 272/294	44	
						364						363	
8	21	217	322	5	½ 21/42	42	238	261	539	5	214/262	48	
						406						411	
B.M. 34-21A												406	B.M. 34-21A
+	1235	684					1065	131				817	PALOS VERDE DR. S. &
−	1065	131											BABKENTINE ~~DR.~~ RD. N.E. COR.
+	170	553											SEE F.B. 1355-47

WEATHER ____ INST. NO. 96716

TIME ____ ROD NO. 9&19

NOTES CHKD. ____ DATE ____

JOB NO. 0301.02

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY G.E.D. NOTES B.L.W.

INDEXED C. J. GALLI DATE ____

8851 PG. 232

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY PREIER WEATHER SUNNY INST. NO. 2677
NOTES BY WILKS DATE 2-14-66 TIME 11:25 - 11:35 ROD NO. 964
INDEXED C. J. GALL DATE NOTES CHKD DATE
F.B. 2857

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 34-23 TO B.M. 34-23A
B.M. 34-23					27						220		B.M. 34-23 (Z-168) (U.S. 2888)
1	90	371	391	5	103	26	233	223	534	5	246	26	PALOS VERDES DR. S. 572'± E. OF
					½ 2						½ 284		E. ENTRANCE TO MARINELAND
2	2	413	303	5	18	32	297	060	598	5	297	26	SEE F.B. 1355 - 26
					67	58					204	52	
3	70	500	371	5	73	6	209	281	510	5	214	10	
						64 ✓						62 ✓	
B.M. 34-23A												64 ✓	B.M. 34-23A (Z-168 RESET)
	163	284 ✓				—	739	564 ✓				126 ✓	PALOS VERDE DR. S. 200'± E. OF E.
						+	163	284 ✓					ENTRANCE TO MARINELAND AT
						—	576	280 ✓					THE C.B.

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. NO. 9676
ROD NO. 9413
WEATHER Sunny
TIME
NOTES
CHKD
DATE

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 34-23A TO B.M. 34-23
B.M. 34-23A				255				1	B.M. 34-23A
1	272	057	573 5	289 34	18	398	319 5	35 34	PALOS VERDE DR. S. 200'± E.
				237				1/2 3	OF E. ENTRANCE TO MARINELAND
2	247	594	548 5	257 20	3	073	304 5	13 20	AT THE C.B. SEE F.B.
				210 54				132 54	
3	213	026	514 5	46 6	135 ✓	003	436 5	138 6	
				6.0				60 ✓	
B.M. 34-23								60	B.M. 34-23
	2								PALOS VERDE DR. S. 572'±
	733 677 ✓				156	474 ✓		1 20	E. OF E. ENTRANCE TO
	156 474 ✓								MARINELAND ℄
	579 203 ✓								SEE F.B. 1355-26

SURVEY OF L.A. Co. Precise Level Net
SURVEY BY G.E.D. NOTES D.L.W.
INDEXED C.J. CALLY DATE
JOB NO 0301.02
F.B. 2351 PG. 234