Notes Ck'd by	Survey of L.A. Co. Precise Level Net	F. B. 2271 PG. 5
Map No.	JN 0301.02 Tape Std °F	
Office Work	Surveyed by F. E. Brooks	
Checked	Notes F. E. Brooks Date Aug 64	
Date	Indexed G. GALLI OCT 1 1964	

JN 0301.02

L. A. COUNTY PRECISE LEVEL NET

No 36

RE RUN

From [illegible] the Coast Hwy

to Dodson Ave

Via Narbonne Ave — Palos Verdes Dr. E. — Miraleste Dr. — and 9th St.

B[illegible] Deviations

F.B. [illegible] 5 To 16

F.B. [illegible] 00 [illegible] 43 To 128

FE Brooks
K Makepp
ML Bustin
RJ Rodriguez
S Will

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.

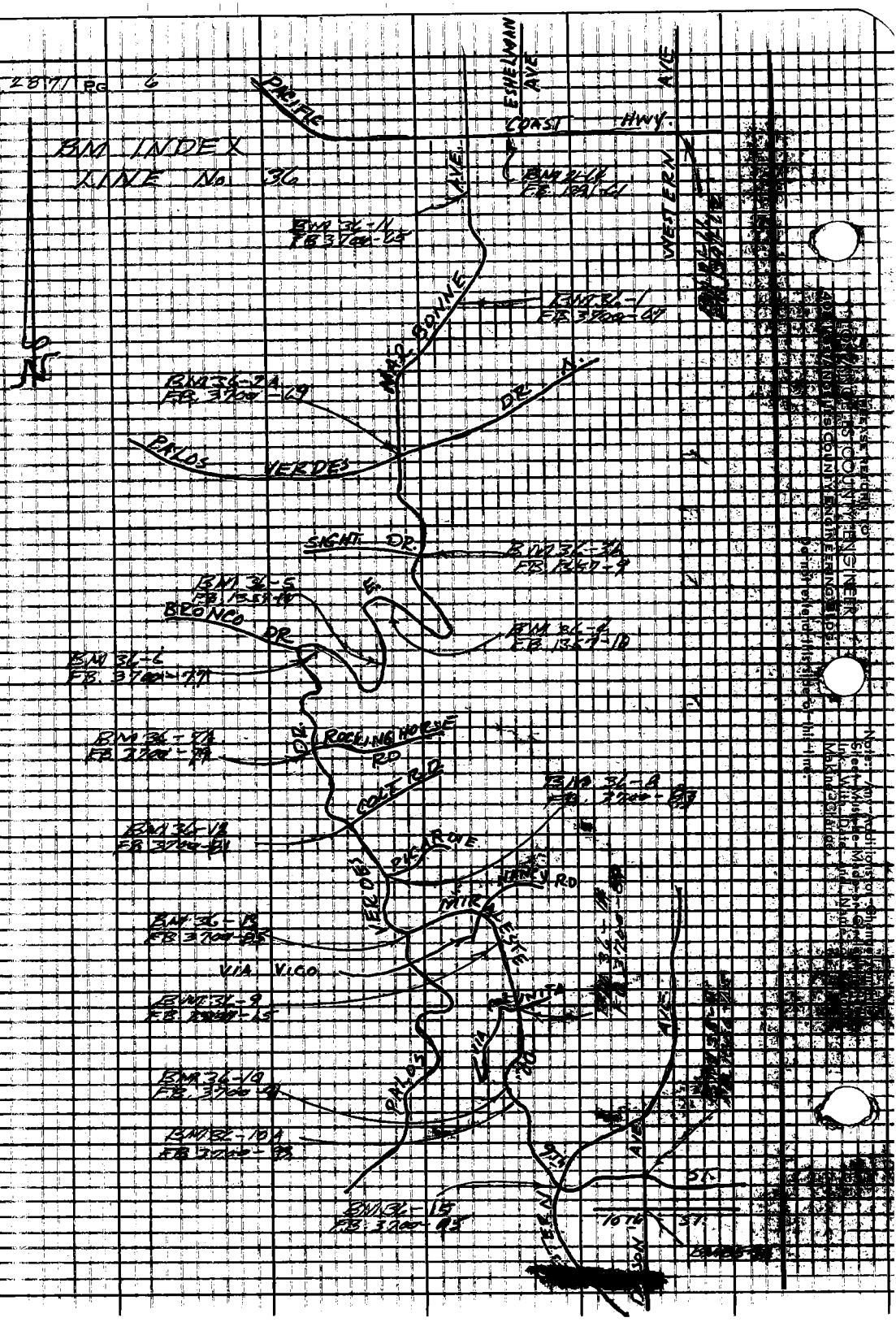
PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F3095 CE #310 6-63

microfilmed May '85

F.B. 2871 Pg 6

BM INDEX
LINE No. 36



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 BM 35-9A TO BM 35-9
BM 35-9A													BM 35-9 A Dodson Ave and 10th St. See F.B. 1356-22
1	254	327	555	5	269 239	30	126	070	427	5	140 112	28	
2	51	067	352	5	62 40	22 52	248	847	549	5	259 237	22 50	T Rodriguez
3	34	068	335	5	42 26	16 68	251	921	552	5	258 244	14 64	
4	51	658	352	5	58 44	14 82	209	351	510	5	218 200	18 82	Summation of Bun From B.M. 35-9A To B.M. 35-9
5	271	771	572	5	280 262	18 100	73	502	374	5	82 64	18 100	
6	246	172	547	5	252 240	12 112	60	273	361	5	66 54	12 112	
BM 35-9	909	063					969	964					BM 35-9 9th St., 215' ± West of Dodson Ave. See F.B. 1356-15

Total Backsights = + 909.063'
Total Foresights = − 969.964'
Diff. Elev. = −60.901'

Backsight stadia = 112'
Foresight Stadia = 112
Total Stadia = 224' Meters

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

SURVEY BY F. E. Brooks

NOTES BY K.M. Karp DATE 8-11-64 TIME 9:15-9:35 ROD NO. 9-19

WEATHER Overcast INST. NO. 96719

INDEXED DATE NOTES CHKD. C. J. DATE

F.B. 2871 PG. 7

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear - Windy INST. NO. 96716
TIME 11:30-11:50 ROD NO. 9-19
NOTES CHKD. DATE OCT 20 '64

F.B. 2871 PG. 8 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY F. E. Brooks NOTES F.E.B.
INDEXED C. J. GALL DATE

STATION	BACKSIGHT Right	Mic.	Left	Mic.	Stadia	FORESIGHT Right	Mic.	Left	Mic.	Stadia	DESCRIPTION AND REMARKS
											From BM 35-9 To BM 35-9A
BM 35-9											BM 35-9 9th St., 215' ± West of
1	62	394	367	5	68 56 12	248	612	549	5	255 241 14	Dodson Ave. See F.B. 1356-15
2	73	089	374	5	83 62 21 53	268	997	569	5	276 260 16 30	⊼ Bustrum
3	190	552	491	5	198 182 16 49	34	511	335	5	43 26 17 47	
4	249	528	550	5	256 242 14 63	32	215	333	5	41 23 18 65	Summation of Run From B.M. 35-9
5	253	428	564	5	264 242 22 85	53	567	356	5	65 44 21 86	To B.M. 35-9A
6	127	662	428	5	141 113 28 113	255	812	556	5	270 240 30 116	
BM 35-9A	956	643				895	714				BM 35-9A Dodson Ave. & 10th St. See F.B. 1356-22

Total Backsights = + 956.643
Total Foresights = − 895.714
Diff. Elev. = +60.929

Backsight stadia = 113
Foresight Stadia = 116
Total Stadia = 229 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 CALLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks
NOTES BY F. E. Brooks DATE 11 Aug 1964 TIME 9:40 - 10:10 WEATHER Overcast INST. NO. 2276
INDEXED DATE NOTES CHKD. C. J. GALLI DATE ROD NO. 2-19
F.B. 2871 PG. 9

STATION	BACKSIGHT Right	Mic.	Left.		Stadia		FORESIGHT Right	Mic.	Left.		Stadia	
BM. 35-9												
1	263	969	564	5	271 256	16	38	967	339	5	46 30	16
2	266	415	567	5	271 258	16 32	36	411	336	5	44 28	16 34
3	260	228	561	5	267 253	14 46	43	359	344	5	51 35	16 50
4	279	522	580	5	288 270	18 64	34	342	335	5	43 27	16 66
5	248	385	549	5	256 240	16 80	60	720	311	5	68 52	16 82
6	245	282	546	5	254 236	18 98	59	519	310	5	64 51	16 98
7	278	495	579	5	291 265	26 124	43	898	344	5	56 30	26 124
8	282	071	589	5	298 278	20 144	8	132	309	5	18 8	10+22 20 144
9	264	083	565	5	272 256	16 160	57	891	358	5	65 49	16 160
10	255	378	556	5	263 247	16 176	48	602	349	5	57 39	18 178
11	208	235	509	5	215 201	14 190	92	297	393	5	99 85	14 192
	2858	023					522	338				
BM 36-												

DESCRIPTION AND REMARKS

FROM BM 35-9 TO BM 36-15

BM 35-9
9th ST. 215' ± West of Dodson Ave.
See F.B. 1356-15

Summation of Run
From B.M. 35-9
To B.M. 36-

Total Backsights = + 2858.023
Total Foresights = − 522.338
Diff. Elev. = +2335.685

Backsight stadia = 190
Foresight Stadia = 192
Total Stadia = 382 meters

BM 36-15
9th st. and Western Ave
See F.B. 3700-95

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. 2841 PG. 10 | JOB NO. 0301.02 | SURVEY OF LA. Co. Precise Level Net | SURVEY BY F. E. Brooks | NOTES K. M. Kapp | INDEXED G. J. GALLI | DATE

WEATHER Clear | INST. NO. 96716 | TIME 10:55 - 11:30 | ROD NO. 9-19 | NOTES CHKD. [illegible] | DATE OCT 20 '64

STATION	BACKSIGHT Right	Mic.	Left.	Stadia	FORESIGHT Right	Mic.	Left.	Stadia	DESCRIPTION AND REMARKS
									FROM BM 36-15 TO BM 35-9
BM 36-									BM 36-15 92nd St. and Western Ave see F.B. 3700-95
1	92	925	393 5	99 85 14	213	742	574 5	220 206 14	
2	58	049	359 5	66 49 17 31	259	909	560 5	268 251 17 31	T Bustrum
3	55	449	356 5	63 47 16 47	263	307	564 5	271 255 16 47	
4	10	517	311 5	20 1/2 10 10 20 67	288	812	589 5	299 277 22 69	
5	39	568	340 5	53 26 27 94	275	865	576 5	289 262 27 96	Summation of Bmp From B.M. 36-15 To B.M. 35-9
6	54	583	355 5	62 45 17 111	239	368	540 5	247 230 17 113	
7	58	599	359 5	66 50 16 127	246	287	547 5	254 238 16 129	Total Backsights = + 517.486
8	25	690	326 5	33 17 16 143	271	190	572 5	279 263 16 145	Total Foresights = − 2853.316 Diff. Elev. = − 2335.830
9	46	223	347 5	53 38 15 158	263	178	564 5	271 255 16 161	
10	31	805	332 5	40 22 18 176	262	609	563 5	270 254 16 177	Backsight stadia = 193 Foresight Stadia = 194
11	44	078	345 5	52 35 17 193	269	049	570 5	277 260 17 194	Total Stadia = 387 Meters
	517	486			2853	316			
BM 35-9									BM 35-9 94th St. 215'± W. of Dodson Ave see F.B. 1356-15

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

NOTES BY K. M. Kapp DATE 8-11-64 TIME 10:45-11:40 WEATHER Overcast INST. NO. 9671

INDEXED DATE NOTES CHKD. G. J. GALLI DATE 8-20-64 ROD NO. 9-12

F.B. 2871 PG. 11

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 36-15 TO BM 36-10A
BM 36-													BM 36-15
													9th St. & Western Ave.
1	287	145	588	5	297 / 277	20	7	658	308	5	18 / 7 1/2	11 / 22	see F.B. 3700-95
2	292	285	593	5	292 1/2 / 281	11 / 22 / 42	7	893	308	5	18 / 7 1/2	11 / 22 / 44	T Rodriguez
3	278	863	579	5	288 / 268	20 / 62	38	950	339	5	48 / 28	20 / 64	15 minute delay to repair umbrella
4	268	368	569	5	279 / 257	22 / 84	80	459	381	5	91 / 69	22 / 86	
5	237	429	538	5	247 / 227	20 / 104	126	166	427	5	136 / 116	20 / 106	Summation of Run From B.M. 36- To B.M. 36-10A
6	273	812	574	5	296 / 250	46 / 150	38	243	339	5	61 / 15	46 / 152	
7	228	471	529	5	246 / 210	36 / 186	40	859	341	5	58 / 22	36 / 188	
8	285	462	586	5	301 / 269	32 / 218	16	251	317	5	30 / 3	27 / 215	Total Backsights = + 3134.948
9	255	293	556	5	265 / 245	20 / 238	59	765	360	5	70 / 48	22 / 237	Total Foresights = − 667.412 Diff. Elev. = +2467.536
10	245	503	546	5	257 / 233	24 / 262	45	956	346	5	57 / 33	24 / 261	
11	257	945	558	5	270 / 244	26 / 288	79	229	380	5	93 / 65	28 / 289	Backsight stadia = 324 Foresight Stadia = 327
12	224	372	525	5	242 / 206	36 / 324	125	983	426	5	144 / 106	38 / 327	Total Stadia = 651 meters
	3134	948					667	412					
BM 36-10A													BM 36-10A Miraleste Dr. near house #4501

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear - windy INST. NO. 26716
TIME 10:00 - 10:45 ROD NO. 9-19
NOTES CHKD. [illegible] DATE OCT 20 '64

F.B. 2871 PG. 12 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES F.E.B.
INDEXED C. J. GALLI DATE

STATION	BACKSIGHT Right	Mic.	Left	Stadia		FORESIGHT Right	Mic.	Left	Stadia		DESCRIPTION AND REMARKS
											FROM BM 36-10A TO BM 36-15
BM 36-10A											BM 36-10A Miraleste Dr. near house #4501 See F.B. 3700-93
1	121	598	422	5	139 103	218	505	519	5	237 200 37	
2	71	544	372	5	84 57 27 63	250	659	551	5	264 237 27 64	T Bustrum
3	44	059	345	5	56 32 24 87	244	159	545	5	256 232 24 88	Summation of Run From B.M. 36-10A To B.M. 36-
4	61 ~~25~~	783	322	5	72 51 21 108	255	213	556	5	266 245 21 109	
5	7	533	308	5	21 7 14x2 28 136	278	159	579	5	294 262 32 141	Total Backsights = + 586.875 Total Foresights = − 3054.542
6	36	797	337	5	54 18 36 172	226	563	527	5	242 209 33 174	Diff. Elev. = −2467.667
7	38	653	339	5	62 14 48 220	254	739	555	5	277 232 45 219	Backsight stadia = 327 Foresight Stadia = 325
8	103	811	404	5	113 93 20 240	207	588	508	5	217 197 20 239	Total Stadia = 652 meters
9	53	193	354	5	64 42 22 262	247	351	548	5	258 236 22 261	
10	23	079	324	5	33 12 21 283	284	223	585	5	294 273 21 282	
11	11	932	312	5	22 11 11x2 22 305	287	908	588	5	299 276 23 305	
12	12	893	313	5	23 12 11x2 22 327	299	475	600	5	299 289 10x2 20 325	
BM 36-15	586	875				3054	542				BM 36-15 9th St. & Western Ave. See F.B. 3700-93

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 BM 36-10A TO BM 36-10
BM 36-10A													BM 36-10A MIRALESTE DR. NEAR HOUSE 4501 SEE F.B. 3700-93 T Rodriguez
	289	682	590	5	2 89 2 70	19 38	96	995	397	5	115 77	38	
BM 36-10													BM 36-10 Miralesta Dr. in front of house # 4403 see F.B. 3700-91

Summation of Run
From B.M. 36-10A
To B.M. 36-10

Total Backsights = + 289.682'
Total Foresights = − 96.995
Diff. Elev. = + 192.687'

Backsight stadia = 38'
Foresight Stadia = 38'
Total Stadia = 76' meters

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks
NOTES BY F. E. Brooks DATE 11 Aug 1964 TIME 11:45 WEATHER Clear INST. NO. 2671
INDEXED DATE NOTES CHKD. C. J. GALLI DATE 10-5-64 ROD NO. 9-18
F.B. 2871 PG. 13

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear INST. NO. 2676
TIME 10:00 ROD NO. 8-19
NOTES CHKD. DATE M 20 64

F.B. 2871 PG. 14 JOB NO. C3201.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. Brooks NOTES K. M. Kapp
INDEXED C. J. GALLI DATE

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 36-10 TO BM36-10A
BM 36-10									BM 36-10 Miraleste Dr. in front of house No. 4403
1	107	289	408	5 126 86 38	299	897	600	5 259 1/2 19 260 38	See F.B. 3700-91 π Bustrum
BM 36-10A									BM 36-10A Miraleste Dr. near house No 4501 See F.B. 3700-93

Summation of Run
From B.M. 36-10
To B.M. 36-10A

Total Backsights = + 107.289'
Total Foresights = − 299.897'
Diff. Elev. = −192.608'

Backsight stadia = 38'
Foresight Stadia = 38'
Total Stadia = 76' 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 CALLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT Right	Mic.	Left.		Stadia		FORESIGHT Right	Mic.	Left.		Stadia	
BM36-10												
1	231	229	532	5	251 211	40	174	666	435	5	154 114	40
2	177	558	478	5	199 155	44 81	131	122	432	5	152 108	44 84
3	258	982	559	5	275 241	34 118	79	632	380	5	96 62	34 118
4	210	431	511	5	226 194	32 150	47	698	368	5	83 51	32 150
5	234	680	535 ~~68~~	5	247 221	26 176	58	607	359	5	72 44	28 178
6	249	278	550	5	259 239	20 196	33	019	334	5	44 22	22 200
7	195	050	496	5	204 186	18 214	83	642	384	5	92 74	18 218
	1557	208					588	290				
BM 36-14												

DESCRIPTION AND REMARKS

From BM-36-10 To BM 36-14

BM 36-10
MIRA LESTE DR. IN FRONT OF HOUSE 4403
SEE F.B. 3700-91

T Rodriguez

Summation of Run
From B.M. 36-10
To B.M. 36-14

Total Backsights = 1557.208
Total Foresights = 588.290
Diff. Elev. = +968.918

Backsight stadia = 214
Foresight Stadia = 218
Total Stadia = 432 meters

BM36-14
Miraleste Dr. near Via Colinita
See F.B. 3700-89

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks
NOTES BY F. E. Brooks DATE 11 Aug 1964 WEATHER Clear TIME 1:00 - 1:35 INST. NO. 26476 ROD NO. 9-18
INDEXED DATE NOTES CHK. G. J. [illegible] DATE 9-10-64
F.B. 3871 PG. 15

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. 2871 PG. 16 JOB NO. 03.01.02 INST. NO. 96-716

SURVEY OF L.A. Co. Precise Level Net ROD NO. 0-19

SURVEY BY F. E. Brooks DATE OCT 20 '04

NOTES K.M. Kapp NOTES CHKD. [illegible]

INDEXED DATE

WEATHER Clear

TIME 8:30 - 9:55

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA
BM 36-14								
1	85	752	386 5	94 76 18	197	345	498 5	206 188 18
2	27	225	328 5	38 16 22 40	243	891	544 5	253 233 20 38
3	54	373	355 5	68 40 28 68	231	146	532 5	244 218 26 64
4	71	919	372 5	86 56 30 98	212	499	513 5	229 195 34 98
5	64	599	385 5	101 67 34 132	262	122	563 5	215 245 33 131
6	122	430	423 5	144 100 44 176	171	548	472 5	193 149 44 175
7	124	453	425 5	144 104 40 216	221	173	622 5	241 201 40 215
	570	751			1539	726		
BM 36-10								

DESCRIPTION AND REMARKS

FROM BM 36-14 TO BM 36-10

BM 36-14
Mivaleste Dr. near Via Colinita
See F.B. 3700-89

T Bustrum

Summation of Run
From B.M. 36-14
To B.M. 36-10

Total Backsights = +
Total Foresights = − 570.751'
Diff. Elev. = 1539.726'
− 968.975'

Backsight stadia = 216'
Foresight Stadia = 215'
Total Stadia = 431' Meters

BM 36-10
Mivaleste Dr. in front of house
4403
See F.B. 3700-91

76P526 CE # 306 3-61

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

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

Do not extend notes this side of this line.

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

SURVEY BY E. E. Brooks

NOTES BY K. M. Kapp DATE 8-11-64 WEATHER Clear-Windy INST. NO. 26716

TIME 1:30-2:15 ROD NO. P-18

INDEXED DATE NOTES CHKD. C. J. Gahl DATE

F.B. 2871 Pg. 17

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													From BM 36-14 To BM 36-9
BM 36-14													BM 36-14
1	296	445	597	5	296 1/2 286	10 20	27	711	328	5	38 16	22	MIRALESTE DR. NEAR
													VIA COLINITA
													SEE F.B. 3700-89
2	275	381	576	5	287 263	24 44	57	683	358	5	69 45	24 46	
													T Rodriguez
3	299	258	600	5	299 1/2 292	7 14 58	11	377	312	5	18 4	14 60	
4	273	138	574	5	278 268	10 68	50	669	351	5	56 44	12 72	
5	301	332	602	5	301 1/2 295	6 12 80	40	602	341	5	47 33	14 86	Summation of Run From B.M. 36- To B.M. 36-9
6	276	694	577	5	283 269	14 94	66	868	367	5	72 60	12 98	
7	273	788	574	5	281 265	16 110	61	592	362	5	68 54	14 112	
8	250	902	551	5	257 243	14 124	36	197	337	5	44 28	16 128	Total Backsights = + 3621.038 Total Foresights = − 596.822
9	301	632	602	5	301 1/2 291	10 20 144	15	911	316	5	25 5	20 148	Diff. Elev. = +3024.216
10	255	682	556	5	263 247	16 160	55	008	356	5	62 46	14 162	
11	274	567	575	5	284 264	20 180	61	332	362	5	72 50	22 184	Backsight stadia = 222 Foresight Stadia = 226
12	269	557	570	5	281 257	24 204	34	851	335	5	44 24	20 204	Total Stadia = 448 meters
13	272	462	573	5	281 263	18 222	77	021	378	5	88 66	22 226	BM 36-9
BM 36-9	3621	038					596	822					Miraleste Dr., West side, near
													House # 4201

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Overcast INST. NO. 96716
TIME 11:15 - 12:00 ROD NO. 9-19
NOTES CHKD. DATE OCT 20 '64

F.B. 2871 Pg. 18 JOB NO. 6301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY F. E. Brooks NOTES
INDEXED G. J. GALIT DATE

STATION	BACKSIGHT Right	Mic.	Left	Stadia		FORESIGHT Right	Mic.	Left	Stadia		DESCRIPTION AND REMARKS
											FROM BM 36-9 TO BM 36-14
BM 36-9											BM 36-9 Miraleste Dr., West side near House #4201 See F.B. 1357-15
1	57	041	368	5	67 47 20	270	148	571	5	279 261 18	
2	9	848	310	5	14 4 10 30	249	161	550	5	254 244 10 28	T Kapp
3	36	650	337	5	40 32 8 38	278	580	579	5	282 274 8 36	
4	32	779	333	5	37 20 10 48	239	230	540	5	243 235 8 44	Summation of Bm From B.M. 36-9 To B.M. 36-14
5	3	461	304	5	7 3 4x2 8 56	262	370	563	5	268 252 16 56	
6	53	120	354	5	63 43 20 76	282	992 ~~994~~	583	5	292 272 20 76	
7	11 ~~14~~	859	312	5	23 11 12x2 24 100	284	972	585	5	296 272 24 100	
8	26	918	327	5	37 15 22 122	268	640	569	5	279 257 22 122	Total Backsights = 413.046 ✓
9	10	878	311	5	22 10 12x2 24 146	263	189	564	5	275 251 24 146	Total Foresights = 3437.305 ✓
10	7	290	308	5	19 7 12x2 24 170	256	390	557	5	270 242 28 174	Diff. Elev. = -3024.289 ✓
11	11	328	312	5	27 11 16x2 32 202	246	890	547	5	260 232 28 202	Backsight stadia = 236 ✓
12	33	942	334	5	46 20 26 228	297	038	598	5	299 285 12x2 24 226	Foresight Stadia = 234 ✓
13	117	902	418	5	121 113 8 236	237	105	538	5	241 233 8 234	Total Stadia = 470 meters
BM 36-14	413	016				3437	805				BM 36-14 Miraleste Dr. near Via Colinita. See F.B. 3700-89

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 B.M. 36-9 TO BM36-13
B.M. 36-9													B.M. 36-9
													MIRALESTE DR. NEAR
1	286	491	587	5	291 / 278	16	41	792	342	5	49 / 33	16	HOUSE 4201
													SEE F.B. 1357-15
2	230	835	531	5	277 / 223	14 / 30	51	351	352	6	58 / 44	14 / 30	
													T Rodriguez
3	254	388	556	5	223 / 245	18 / 48	29	460	330	5	38 / 20	18 / 48	
											42 / 24		
4	262	248	563	5	271 / 253	18 / 66	33	268	334	5	241	18 / 66	
							~~262~~	~~248~~	~~563~~	~~5~~	~~253~~		
5	253	992	554	5	262 / 244	18 / 84	32	988	333	5	42 / 22	20 / 86	
6	264	743	565	5	274 / 254	20 / 104	17	178	318	5	27 / 7	20 / 106	
7	230	660	537	5	239 / 221	18 / 122	48	852	349	5	57 / 39	18 / 124	
8	249	720	550	5	258 / 240	18 / 140	46	240	347	5	56 / 36	20 / 144	
9	247	952	548	5	256 / 238	18 / 158	62	834	359	5	66 / 47	19 / 163	
10	263	201	564	5	274 / 252	22 / 180	65	662	366	5	84 / 66	18 / 181	
11	231	829	532	5	240 / 222	18 / 198	86	272	387	5	95 / 77	18 / 199	
12	235	221	536	5	252 / 218	34 / 232	201 / ~~204~~	930	502	5	218 / 184	34 / 233	

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

SURVEY BY F. E. Brooks

NOTES BY E. E. Brooks DATE 11 Aug 1964 TIME 2:15 - 3:05 WEATHER clear

INDEXED DATE NOTES CHKD. J. GALLO DATE 8-20-64 INST. NO. 86-776 ROD NO. 9-12

F.B. 1871 PG. 19

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. 2471C
ROD NO. 9-19
DATE 10-1-4
WEATHER Clear
TIME 8:15 - 3:05
NOTES CHKD. [illegible]

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 36-9 TO BM 36-13
				232				233	
13	103	929	404	5	156	168	457	5	
				120 86 34 206				195 157 38 271	
14	235	605	536	5	138	988	439	5	
				247 223 24 290				150 126 24 295	
	~~3550~~ 3350	014			1009	445			
BM 36-13									BM 36-13 Mira Leste Dr. and Palos Verdes Dr. E. See F.B. 3700-85

Summation of Run
From B.M. 36-9
To B.M. 36-

F.B. 16 Aug 64

Total Backsights = + 3350.014
Total Foresights = − 1007.445
Diff. Elev. = + 2342.569

Backsight stadia = 290
Foresight Stadia = 295
Total Stadia = 585 meters

F.B. 2871 PG. 20
JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY F. E. Brooks NOTES F. E. Brooks
INDEXED G. J. GALL DATE

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT					
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA	
BM 36-13												
1	122	311	423	5	133 111	22	218	771	519	5	229 207	22
2	161	965	462	5	180 142	38 60	109	078	410	5	126 92	34 56
3	206	495	507	5	222 190	32 92	240	908	541	5	258 222	36 92
4	87	500	388	5	96 78	18 110	433	380	534	5	242 224	18 110
5	66	398	367	5	76 56	20 130	261	699	562	5	271 251	20 130
6	59	440	360	5	68 50	18 148	251	062	552	5	260 242	18 148
7	60	096	361	5	70 50	20 168	263	732	564	5	273 253	20 168
8	59	299	360	5	68 50	18 186	240	550	541	5	249 231	18 186
9	15	907	316	5	25 5	20 206	262	850	563	5	272 252	20 206
10	42	300	343	5	52 32	20 226	265	157	566	5	274 256	18 224
11	52	848	353	5	60 44	16 242	281	028	582	5	290 272	18 242
12	48	760	349	5	57 39	18 260	271	770	572	5	280 262	18 260

DESCRIPTION AND REMARKS

FROM BM 36-13 TO BM 36-9

BM 36-13
Miraleste Dr. and Palos Verdes Dr. E.
See F.B. 3700-85

T Kapp

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

SURVEY BY F. E. Brooks WEATHER Overcast INST. NO. 2811

NOTES BY F. E. Brooks DATE 14 Aug 1964 TIME 10:40 - 11:15 ROD NO. 9-19

INDEXED DATE NOTES CHKD. C. J. GALLI DATE 8-20-64

F.B. 2811 PG. 21

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. 96-216
ROD NO. 9-19
DATE OCT 20 '64
WEATHER overcast
TIME 10:40 – 11:15
NOTES CHKD

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
				260				260	FROM BM36-13 TO BM36-9
13	54	328	355	5 / 41 / 47 / 14 / 294	230	912	531	5 / 237 / 223 / 14 / 274	
14	22	788	323	5 / 31 / 13 / 18 / 292	272	181	573	5 / 281 / 263 / 18 / 292	
	1060	431			3403	078			
BM 36-9									BM 36-9 Mirabeste Dr. near house No 4201 See F.B. 1357-15

Summation of Run

From B.M. 36-13

To B.M. 36-9

Total Backsights = + 1060.431

Total Forosights = − 3403.078

Diff. Elev. = −2342.647

Backsight Stadia = 292

Foresight Stadia = 292

Total Stadia = 584 meters

F.B. 1271 PG. 22

JOB NO. 0311.02

SURVEY OF L.A. Co. Precise Level Net

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

INDEXED G. J. GALLI DATE

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.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA	
BM 36-13												
1	244	720	545	5	256 232	24	76	207	377	5	87 65	22
2	250	630	551	5	260 240	20 44	20	180	321	5	31 9	22 44
3	281	103	582	5	293 269	24 68	75	078	376	5	86 64	22 66
4	248	528	549	5	260 236	24 92	55	700	356	5	68 42	26 92
5	201	086	552	5	267 235	32 124	42	932	343	5	88 26	32 124
6	251	802	552	5	266 236	30 154	9	502	308	5	22 7	154 30 154
7	244	955	545	5	257 131	26 180	49	576	350	5	62 36	26 180
8	230	861	531	5	240 220	20 200	60	965	361	5	70 50	20 200
	2003	685					388	220				
BM 36-8												

DESCRIPTION AND REMARKS

FROM BM 36-13 TO BM 36-8

BM 36-13
MIRALESTE DR & PALOS VERDES DR E.
SEE F.B. 3700-85

T Kapp

Summation of Run
From B.M. 36-13
To B.M. 36-8

Total Backsights = + 2003.685
Total Foresights = − 388.220
Diff. Elev. = +1615.465

Backsight stadia = 200
Foresight Stadia = 200
Total Stadia = 400 meters

BM 36-8
Palos Verdes Dr. E and Picardie Rd. See F.B. 3700-83

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks
NOTES BY F. E. Brooks DATE 14 Aug 1964 WEATHER Broken Clouds TIME 1:30 - 1:50
INDEXED DATE NOTES CHK. G. J. GALLI DATE OCT 20 '64
INST. NO. 21716 ROD NO. 2-19
F.B. 3811 PG. 27

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. 2871 PG. 24 JOB NO. 7316.02
SURVEY OF LA Co. Precise Level Net
SURVEY BY F. E. Brooks NOTES F. E. Brooks DATE
INDEXED G. J. GALLI

WEATHER Broken Clouds INST. NO. 2671
TIME 1:55 - 2:15 ROD NO. 2-19
NOTES CHKD. DATE OCT 20 '64

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA
BM36-B								
1	57	999	558.5	67 / 47 / 20	227	880	528 5	238 / 216 / 22
2	52	959	353 5	66 / 38 / 28 / 48	248	273	549 5	261 / 235 / 26 / 48
3	11	799	312 5	26 / 11 / 15 / 30 / 78	255	928	556 5	270 / 240 / 30 / 98
4	44	061	345 5	60 / 28 / 32 / 110	253	242	554 5	269 / 237 / 32 / 110
5	54	279	355 5	66 / 42 / 24 / 139	246	310	547 5	259 / 233 / 26 / 136
6	72	580	373 5	83 / 61 / 22 / 156	277	441	578 5	289 / 265 / 24 / 160
7	12	168	313 5	24 / 12 / 12 / 24 / 180	243	680	544 5	253 / 233 / 20 / 180
8	73	719	374 5	85 / 61 / 24 / 204	242	160	543 5	253 / 231 / 22 / 202
	379	564			1994	914		
BM36-13								

DESCRIPTION AND REMARKS

FROM BM36-B TO BM36-13

BM136-B
Palos Verdes Dr. E. and Picardie Rd. See F.B. 3700-83

To Kapp

Summation of Run
From B.M. 36-B
To B.M. 36-13

Total Backsights = + 379.564
Total Foresights = − 1994.914
Diff. Elev. = −1615.350

Backsight stadia = 204
Foresight Stadia = 202
Total Stadia = 406 meters

BM 36-13
Palos Verdes Dr. E. and Mivaloste Dr.
See F.B. 3700-85

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 36-8 TO BM 36-12
BM 36-8													BM-36-8 PALOS VERDES DR. E. & PICARDIE Rd. SEE F.B. 3700-83
1	194	580	495	5	213 175	38	71	970	372	5	90 52	38	
2	166	970	467	5	185 147	38 76	121	970	422	5	140 102	38 76	T Kapp
3	218	350	519	5	244 192	52 126	80	655	381	5	107 53	54 130	
4	232	410	533	5	252 212	40 166	27	200	328	5	47 7	40 170	Summation of Run From B.M. 36-8 To B.M. 36-12
5	281	640	582	5	294 268	26 194	37	326	338	5	50 24	26 196	Total Backsights = + 1551.086 ✓
6	262	052	563	5	271 253	18 212	53	540	354	5	61 45	16 212	Total Foresights = − 487.751 ✓
7	195	194	496	5	202 188	14 226	95	090	396	5	102 88	14 226 ✓	Diff. Elev. = +1063.335 ✓
	1551	086 ✓					487	751 ✓					Backsight stadia = 226
BM 36-12													Foresight Stadia = 226
													Total Stadia = 452 meters
													BM 36-12 Palos Verdes Dr. E. and Colt Rd. See F.B. 3700-81

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

SURVEY BY F. E. Brooks DATE 14 Aug 1964 TIME 2:25 WEATHER Broken Clouds INST. NO. 96716

NOTES BY F. E. Brooks TIME 2:45 ROD NO. 9-12

INDEXED DATE NOTES CHKD. C. J. GALLI DATE

F.B. 2871 PG. 25

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Broken Clouds INST. NO. 96 716
TIME 2:45 - 3:10 ROD NO. 9-12
NOTES CHKD. DATE OCT 20 '64

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 36-12 TO BM 36-8
BM 36-12									BM 36-12 Palos Verdes Dr. E. and Colt Rd. See FB 3700-81
1	91	526	392 5	98 84 14	191	566	492 5	198 186 14	
2	50	612	351 5	58 42 16 30	262	737	563 5	271 237 18 32	
3	52	738	353 5	65 39 26 56	294	170	595 5	294 172 281 26 58	A Kapp
4	28	478	329 5	46 8 40 96	233	903	534 5	252 214 38 96	Summation of Run From B.M. 36-12 To B.M. 36-8
5	75	365	376 5	102 48 54 150	211	770	512 5	237 185 52 148	
6	118	283	419 5	137 99 38 188	172	168	493 5	190 164 36 184	Total Backsights = + 491.875 Total Foresights = − 1555.133 Diff. Elev. = − 1063.258
7	14	673	375 5	92 56 36 224	188	829	489 5	208 168 40 224	
	491 875				1555 133				Backsight stadia = 224 Foresight Stadia = 224 Total Stadia = 448 Int. Turns
BM 36-8									BM 36-8 Palos Verdes Dr. E. and Picardie Rd. See F.B. 3700-83

F.B. 2871 PG. 26 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES E. E. Brooks
INDEXED C. J. GALLI DATE

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 L. E. Brooks
NOTES BY K. M. Karp DATE 8-17-64 WEATHER Clear
TIME 1:20-2:05 INST. NO. 2871
INDEXED DATE NOTES CHKD. G. J. Gaul DATE ROD NO. 9-12
F.B. 2871 PG. 27

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA	
BM 36-12												
1	262	543	563	5	275 249	26	83	528	384	5	96 70	26
2	236	257	537	5	252 220	32 58	7 ~~16~~	357	308 ~~344~~	5 ~~5~~	23 1/2 7	16 32 58
3	295	695	596	5	295 1/2 286	9 18 76	59	909	360	5	68 50	18 76
4	254	219	555	5	266 242	24 100	52	202	353	5	64 40	24 100
5	246	321	547	5	264 228	36 136	52	270	353	5	72 32	40 140
6	291	422	592	5	291 1/2 278	13 26 122	115	170	416	5	129 100	29 129
7	173	801	474	5	190 156	34 196	151	405	452	5	168 135	33 202
8	186	537	487	5	203 72 169	34 230	136	149	434	5	151 121	30 232
9	117	933	418	5	171 44	47 277	297	889	598	5	297 1/2 274	23 46 278
	2064	728					955	879				
BM 36-7A												

DESCRIPTION AND REMARKS

FROM BM. 36-12 TO BM 36-7A

BM 36-12
Colt Rd. & Palos Verdes Dr. E.
See F.B. 3700-81

T Bustrum

Summation of Run
From B.M. 36-12
To B.M. 36-7A

Total Backsights = + 2064.728
Total Foresights = − 955.879
Diff. Elev. = ~~+1108.849~~ N.G.
See Pg. 29

Backsight stadia = 277
Foresight Stadia = 278
Total Stadia = 555 meters

BM 36-7A
Palos Verdes Dr. E. & Rockinghorse Rd.
See F.B. 3700-79

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. 2871 PG. 28 JOB NO. 030102

SURVEY OF L.A. Co. Precise Level Net

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

INDEXED C. J. GALL DATE

WEATHER Clear INST. NO. 26716

TIME 10:55-11:45 ROD NO. 2-19

NOTES CHKD DATE OCT 20 '84

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM BM 36-7A TO BM 36-12
BM 36-7A									BM 36-7A Palos Verdes Dr. E. & Rockinghorse Rd. See F.B. 3700-79
1	297	599	598	5 297 1/2 274 23 46	117	622	418	5 141 93 48	
2	134	221	435	5 150 118 32 78	185	149	486	5 200 170 30 78	π Bustrum
3	148	057	449	5 166 130 36 114	169	675	470	5 185 153 32 110	
4	118	222	419	5 132 104 28 142	293	898	594	5 293 1/2 279 14 28 138	Summation of Run From B.M. 36-7A To B.M. 36-12
5	72	507	373	5 90 54 36 178	266	071	568	5 286 248 38 176	
6	60	691 ~~635~~	361	5 71 48 23 201	265	038	566	5 278 252 26 202	Total Backsights = + 986.341 ✓
7	68	685	369	5 77 59 18 219	297	198	598	5 297 1/2 288 9 18 220	Total Foresights = − 2095.648 ✓
8	10	488	311	5 26 1/2 10 16 32 251	245	332	546	5 261 229 32 252	Diff. Elev. = −1109.307 ✓
9	75	871	376	5 88 62 26 277	254	665	555	5 267 241 26 278	Backsight stadia = 277 ✓ Foresight Stadia = 278 ✓ Total Stadia = 555 ✓ Meters
	986	341	✓		2095	648	✓		
BM 36-12									BM 36-12 Palos Verdes Dr. E. & Colt Rd. See F.B. 3700-81

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 BM 36-12 TO BM 36-7A
BM 36-12	RE-RUN												BM 36-12
													Colt Rd. & Palos Verdes
1	255	825	556	5	268 242	26	76	623	377	5	88 64	24	Dr. E.
													See F.B. 3700-81
2	240	685	541	5	256 224	32 58	6	649	307	5	22 1/2 6	16 32 56	
													T Rodriguez
3	300	007	601	5	300 1/2 291	9 18 76	72	209	373	5	81 63	18 74	
													Summation of Run
4	257	630	558	5	270 244	26 102	52	012	353	5	64 40	24 98	From B.M. 36-12
													To B.M. 36-7A
5	231	402	532	5	249 213	36 138	38	438	339	5	58 18	40 138	
6	283	851	584	5	296 270	26 164	106	831	407	5	120 92	28 166	Total Backsights = + 2046.048
													Total Foresights = − 936.714
7	176	972	477	5	192 160	32 196	155	238	456	5	172 138	34 200	Diff. Elev. = + 1109.334
8	186	761	487	5	202 170	32 228	13~~6~~ 5	~~904~~ 903	43~~7~~ 6	5	150 120	30 230	
													Backsight stadia = 276
9	112 ~~124~~	915 ~~469~~	413 ~~425~~	5 5	126 ~~140~~ ~~147~~ ~~101~~	48 ~~274~~	292	811	593	5	29 2 27 69 1/2	23 46 276	Foresight Stadia = 276
													Total Stadia = 552 Meters
	2046	048					936	714					
BM 36-7A													BM 36-7A
													Palos Verdes Dr. E. &
													Rockinghorse Rd.
													See F.B. 3700-79

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

SURVEY BY F. E. Brooks WEATHER Clear INST. NO. 9716

NOTES BY F. M. Kapp DATE 8-19-64 TIME 10:30-11:05 ROD NO. 9-19

INDEXED DATE NOTES CHKD. J. GALLI DATE

F.B. 2871 PG. 29

F.B. 2871 PG. 30

JOB NO.

SURVEY OF

SURVEY BY NOTES

INDEXED DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD DATE

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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
NOTES BY E. E. Brooks DATE 17 Aug 1964 WEATHER Clear
TIME 2:10 – 3:40 INST. NO. 96-71
ROD NO. 9-19
INDEXED DATE NOTES CHKD. G. J. GALIA DATE
F.B. 1871 PG. 31

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 36-7A TO BM 36-6
BM 36-7A													BM 36-7A Palos Verdes Dr. E. & Rocking Horse Rd. SEE F.B. 3700-79
1	132	852	433	5	141 120	24	233	249	534	5	245 221	24	
2	34	539	335	5	49 20	29 53	~~265~~	~~585~~	~~566~~	5	281 250	31 55	
3	64	285	365	5	79 49	30 83	270	821	571	5	287 252	35 90	T Bustrum
4	82	325	383	5	99 66	33 116	236	302	537	5	250 222	28 118	
5	35	122	336	5	43 27	16 132	268	271	569	5	276 261	15 133	See Page 39
6	10	925	317	5	18 10	8×2 16 148	241	890	542	5	249 232	17 150	
7	68	699	359	5	68 48	20 168	152	068	453	5	162 141	21 171	
8	33	282	334	5	47 18	29 197	286	431	587	5	300 273	27 198	
9	4	778	305	5	19 4	15×2 30 227	249	350	550	5	266 233	33 231	
10	29	001	330	5	43 29	14×2 28 255	202 ~~266~~	052 ~~754~~	573 ~~567~~	5 5	285 259 279 ~~254~~	26 ~~23~~ 257	
11	44	418	345	5	55 32	23 278	272	478	593	5	285 258	27 284	
12	16	740	317	5	25 8	17 295	~~229~~	~~420~~ ~~682~~	~~530~~	5	~~236~~ ~~206~~	~~17~~ ~~296~~	
							226	735	527	5	237 219	18 296	

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. 1271 Pg. 32 JOB NO. 0301.02 SURVEY OF L.A. Co. Precise Level Net SURVEY BY G. J. GALLI NOTES INDEXED DATE

WEATHER Clear TIME 2:10 - 3:40 NOTES CHKD. DATE INST. NO. 96-176 ROD NO. 9-19 DATE OCT 20 94

STATION	BACKSIGHT Right	Mic.	Left.	Stadia	FORESIGHT Right	Mic.	Left.	Stadia	DESCRIPTION AND REMARKS
									FROM BM 36-7A TO BM 36-6
				295				296	
13	34	721	335 5	43 26 16 313	252	157	553 5	262 242 20 318	
14	58	422	359 5	70 46 24 337	263	560	564 5	274 252 22 340	Summation of Run From B.M. 36-7A To B.M. 36-6
15	39	653	340 5	61 17 44 381	292	642	593 5	293 274 19 38 398	
16	19	199	320 6	38 19 19 38 419	277	916	578 5	296 258 38 416	
17	52	059	353 5	68 36 32 451	280	322	581 5	297 263 34 450	Total Backsights = + ~~889~~ 899.713 Total Foresights = − 4589.531 Diff. Elev. = − ~~3684.818~~ N.G. See Pg. 39 & 40
18	41	419	342 5	52 30 22 473	292	270	533 5	246 219 27 477	
19	107	880	408 5	116 98 18 491	16	033	317 5	22 9 13 490	Backsight stadia = 491 Foresight Stadia = 490 Total Stadia = 981 meters
	~~889~~.713 899				4589 531				
BM 36-6									BM 36-6 Palos Verdes Dr. E. near Headland Dr. See F.B. 3700-77 See Page 39

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 L. E. Brook WEATHER Clear INST. NO. 46-11

NOTES BY K. M. Kepp DATE 8-18-64 TIME 7:15-10:35 ROD NO. 5-19

INDEXED DATE NOTES CHKD. C. J. GALLI DATE 11-20-64

F.B. 2871 PG. 23-34

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 36-6 TO BM 36-7A
BM36-6													BM 36-6 Palos Verdes Dr. E. near Headland Dr. See F.B. 3700-77 T. Bustrom
1	6	733	307	5	14 1/2 6	8 16	97	782	398	5	104 90	14	
2	218	387	519	5	230 206	24 40	32	218	333	5	45 19	26 40	
3	271	309	572	5	288 254	34 74	39	093	340	5	56 22	34 74	
4	272	568	573	5	291 253	38 112	13	439	314	5	32 1/2 13	19 38 112	
5	293	620	594	5	293 1/2 275	18 36 148	39	907	340	5	60 18	42 154	
6	269	828	570	5	282 256	26 174	65	212	366	5	75 55	20 174	
7	249	822	550	5	259 239	20 194	32	981	333	5	41 23	18 192	
8	226	419	527	5	233 219	14 208	47	275	348	5	55 39	16 208	
9	299	699	600	5	299 1/2 288	11 22 230	40	405	341	5	51 29	22 230	
10	276	099	577	5	289 263	26 256	34	505	335	5	47 21	26 256	
11	247	133	548	5	263 230	33 289	5	659	306	5	20 1/2 5	15 30 286	
12	289	327	590	5	289 1/2 275	14 28 317	28	219	329	5	42 14	28 314	

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. 2871 PG. 34 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

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

INDEXED G. J. GALLI DATE

WEATHER Clear INST. NO. 96 716

TIME 9:15 - 10:35 ROD NO. 9-19

NOTES CHKD [illegible] DATE OCT 20 '64

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA
				317				314
13	146	741	447 5	156 196 20 337	50	158 ~~194~~	351 5	61 39 22 336
14	235	369	536 5	243 226 17 354	13	369	314 5	21 5 16 352
15	272	993	573 5	280 265 15 369	45	483	346 5	53 37 16 368
16	253	309	554 5	267 239 28 397	91	589	392 5	106 76 30 398
17	267	523	568 5	283 251 32 429	59	785	360 5	76 43 33 431
18	268	785	569 5	283 252 31 460	34	648	335 5	48 20 28 151 127 459
19	235	909	536 5	247 223 24 ~~484~~	139 ~~235~~	452 ~~909~~	440 5 ~~536 5~~	~~247~~ ~~223~~ 24 483
	4601	573			911	179		
BM 36-7A								

DESCRIPTION AND REMARKS

FROM BM 36-6 TO BM 36-7A

Summation of Run
From B.M. 36-6
To B.M. 36-7A

Total Backsights = + 4601.573
Total Foresights = − 911.179
Diff. Elev. = + 3690.394

Backsight stadia = ~~484~~
Foresight Stadia = 483
Total Stadia = 967 Meters

BM 36-7A
Palos Verdes Dr. E. and
Rocking Horse Rd.
See F.B. 3700-79

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 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 WEATHER Clear INST. NO. 9271

NOTES BY K. M. Kupp DATE 8-18-64 TIME 1:30-2:40 ROD NO. 8-15

INDEXED DATE NOTES CHKD. C. J. GALLI DATE 11-20-64

F.B. 2871 PG. 35

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 36-6 TO BM 36-5
BM 36-6													BM 36-6 PALOS VERDES DR. E. & NEAR HEADLAND DR. SEE F.B. 3700-77
1	9	145	310	5	17 1/2 9	8 16	101	005	402	5	108 93	15	
2	47	513	348	5	58 36	22 38	2 208	969	3 504	5	213 191	22 37	T Bustrum
3	17	719	318	5	31 3	28 66	291	789	592	5	291 1/2 276	15 30 67	
4	14	679	315	5	26 1/2 14	12 24 90	235	720	536	5	247 223	24 91	
5	34	153	335	5	46 22	24 114	254	280	555	5	265 243	22 113	
6	30	593	331	5	41 18	23 137	239	539	540	5	251 227	24 137	
7	59	348	360	5	70 48	22 159	238	123	539	5	248 228	20 157	
8	52	093 ~~116~~	353	5	63 41	22 181	272	723	573	5	283 261	22 179	
9	31	653	332	5	40 22	18 199	220	227	521	5	230 210	20 199	
10	61	647	362	5	77 45	32 231	284	979	5 584	5	301 267	34 233	
11	18	868	319	5	33 3	30 261	297	393	598	5	297 1/2 281	16 32 265	
12	38	429 ~~452~~	339	5	50 26	24 285	286	061	587	5	298 274	24 289	

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear INST. NO. 96716
TIME 1:30-2:40 ROD NO. 8-19
NOTES CHKD. [illegible] DATE [illegible]

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 36-6 TO BM 36-5
				285				289	
13	20	611	321 5	32 9 23 308	268	305	569 5	278 258 20 309	
14	24	709	325 5	33 12 21 329	257	573	558 5	268 246 22 331	
15	44	518	345 5	55 33 22 351	251	518	552 5	261 241 20 351	Summation of Run From B.M. 36-6 To B.M. 36-5
16	35	913	336 5	47 23 24 375	266	288	567 5	277 255 22 373	
	541	591	✓		3968	492	✓		
BM 36-5									BM 36-5 Palos Verdes Dr. E., near House # 28065 See F.B. 1357-11

Total Backsights = + 541.591
Total Foresights = − 3968.492
Diff. Elev. = − 3426.901

Backsight stadia = 375
Foresight Stadia = 373
Total Stadia = 748 Meters

F.B. 2871 PG. 36 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E.E. Brooks
INDEXED [illegible] NOTES K.M. Kapp
DATE

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

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

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

NOTES BY K.M. Kapp DATE 8-19-64 TIME 9:10-10:05 ROD NO 9-19

INDEXED DATE NOTES CHKD C. J. GALLI DATE OCT 20 1964

F.B. 2871 Pg 55

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 36-5 TO BM 36-6
BM 36-5													BM 36-5 Palos Verdes Dr. E. near House # 28065 See FB 1357-11
1	262	715	563	5	273 251	22	31	758	332	5	43 19	24	T Rodriguez
2	251	312	552	5	261 241	20 42	44	792	345	5	55 33	22 46	
3	260	052	561	5	272 248	24 66	27	715	328	5	38 16	22 68	
4	280	151	581	5	291 269	22 88	33	100	334	5	44 22	22 90	
5	286	~~449~~ 449	587	5	299 273	26 114	37	467	338	5	48 26	22 112	
6	282	792	583	5	298 266	32 146	6	581	307	5	20 1/2 6	14 28 140	
7	282	862	583	5	298 266	32 178	53	532	354	5	70 36	34 174	
8	211	209	512	5	220 202	18 196	18	582	319	5	28 8	20 194	
9	268	060	569	5	279 257	22 218	54	916	355	5	65 43	22 216	
10	241	251	542	5	251 231	20 238	62	749	363	5	73 51	22 238	
11	246	789	547	5	258 234	24 262	38	098	339	5	49 27	22 260	
12	260	282	561	5	271 249	22 284	76	601	377	5	86 66	20 280	

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. 2871 PG. 38 JOB NO. 030202

SURVEY OF L.A. Co. Precise Level Net

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

INDEXED C. J. GALL DATE

WEATHER Clear INST. NO. 96716

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

NOTES CHKD. [illegible] DATE 2 0 04

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 36-5 TO BM 36-6
				284				280	
13	271	281	572 5	282 260 22 306	44	441	345 5	55 33 22 302	Summation of Run From B.M. 36-5 To B.M. 36-6
14	269	881	570 5	283 255 28 334	4	108	305 5	18 112 14 4 284 330	
15	228	646	529 5	236 220 16 350	33	480	334 5	45 21 24 354	Total Backsights = + 4008.304
16	104	572	405 5	112 96 16 366	13	021	314 5	20 6 14 368	Total Foresights = − 581.141
	4008	304			581	141			Diff. Elev. = +3427.163
BM 36-6									BM 36-6 Palos Verdes Dr. E. near Headland. Dr.
									See FB 3700-77
									Backsight stadia = 366
									Foresight Stadia = 368
									Total Stadia = 734 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
BM 36-7A		RE-RUN							FROM BM 36-7A TO BM 36-6
1	131	373	432	5 143 119 24	232	785	533	5 244 220 24	BM 36-7A Palos Verdes Dr. E. & Rockinghorse Rd. See F.B. 3700-79
2	37	173	338	5 53 23 30 54	265	072	566	5 280 250 30 54	T Rodriguez
3	60	081	361	5 76 44 32 86	268	871	569	5 284 252 36 90	
4	82	461	383	5 98 66 32 118	228	965	539	5 241 215 26 116	
5	20	250	321	5 28 12 16 134	264	586	565	5 272 256 16 132	
6	9	121	310	5 17 1/2 9 8 16 150	228	482	529	5 236 220 16 148	
7	55	844	356	5 65 45 20 170	153	707	454	5 163 143 20 168	
8	28	609	329	5 41 14 27 197	290	221	591	5 290 1/2 276 14 28 196	
9	9	043	310	5 24 1/2 9 15 30 227	250	220	551	5 266 234 32 228	
10	25	691	326	5 38 12 26 253	266	138	567	5 278 254 24 252	
11	41	269	342	5 53 29 24 277	296	967	597	5 296 1/2 286 10 20 272	
12	51	713	352	5 58 44 14 291	234	631	535	5 242 226 16 288	

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

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

NOTES BY K.M. Kapp DATE 8-19-64 TIME 1:20 - 2:20 ROD NO. 9-19

INDEXED DATE NOTES CHKD. C. J. GALLI DATE

F.B. 2871 PG. 39

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear INST. NO. 96716
TIME 1:20 - 2:20 ROD NO. 9-19
NOTES CHKD. [illegible] DATE OCT 20 '84

F.B. 2871 PG. 40 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES K. M. Kapp
INDEXED C. J. GALL DATE

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 36-7A TO BM 36-6
				291				268	
13	36	070	337 5	45 27 18 309	254	032	555 5	264 244 20 308	Summation of Run From B.M. 36-7A To B.M. 36-6
14	64	046	365 5	76 52 24 333	267	701	568 5	279 255 24 332	
15	41	209	342 5	62 20 42 375	296	214	597 5	296 1/2 278 18 36 368	
16	28	945	329 5	46 10 36 411	292	759	593 5	292 1/2 272 20 40 408	Total Backsights = + 920.380 ✓ Total Foresights = − 4610.831 ✓
17	56	322	357 5	72 40 32 443	283	299	584 5	300 266 34 442	Diff. Elev. = −3690.451
18	34	682	335 5	46 22 24 467	221	552	522 5	233 209 24 466	
19	106	478	407 5	113 99 14 481	14	629	315 5	22 6 16 482	Backsight stadia = 481 ✓ Foresight Stadia = 482 ✓ Total Stadia = 963 ✓ Meters
	920	380	✓		4610	831	✓		
BM 36-6									BM 36-6 Palos Verdes Dr. E., near Headland Dr. See F.B. 3700-77

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
NOTES BY F. M. Kapp DATE 8-20-64 WEATHER Clear INST. NO. 2671
TIME 9:15-10:00 ROD NO. 8-19
INDEXED DATE NOTES CHKD C. J. GALLI DATE Oct 20 64
F.B. 2871 PG. 41

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 36-5 TO BM 36-4
BM 36-5													BM 36-5
													PALOS VERDES DR. E.
1	39	948	340	5	51 / 27	24	263	038	564	5	275 / 251	24	NEAR HOUSE 28065
													SEE F.B. 1357-11
2	22	051	323	5	34 / 10	24 / 48	278	413	579	5	290 / 266	24 / 48	
													T Mr. Bustrum
3	34	922	335	5	46 / 22	24 / 72	266	592	567	5	278 / 254	24 / 72	
4	34	932	335	5	45 / 22	23 / 95	250	145	551	5	261 / 238	23 / 95	
5	36	995	337	5	48 / 24	24 / 119	247	303	548	5	258 / 235	23 / 118	Summation of Run
													From B.M. 36 - 5
6	62	222	363	5	74 / 50	24 / 143	243	790	544	5	254 / 231	23 / 141	To B.M. 36 - 4
7	41	642	342	5	53 / 29	24 / 167	255	822	556	5	266 / 243	23 / 164	
8	51	293	352	5	63 / 40	23 / 190	276	701	577	5	288 / 264	24 / 188	Total Backsights = + 565.115'
9	37	949	338	5	49 / 25	24 / 214	269	243	570	5	281 / 257	24 / 212	Total Foresights = − 3392.410'
													Diff. Elev. = -2827.295'
10	35	962	336	5	47 / 24	23 / 237	269	198	570	5	281 / 257	24 / 236	
11	22	765	323	5	34 / 10	24 / 261	265	513	566	5	276 / 253	23 / 259	Backsight stadia = 294'
													Foresight Stadia = 292'
12	37	771	338	5	49 / 26	23 / 284	267	425	568	5	278 / 255	23 / 282	Total Stadia = 586' Meters
13	106	663	407	5	111 / 101	10 / 294	239	227	540	5	244 / 234	10 / 292	BM 36-4
BM 36-4													Palos Verdes Dr. E., near House

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear INST. NO. 26716
TIME 10:05-10:50 ROD NO. 7-19
NOTES CHKD Vidan DATE OCT 20 '64

F.B. 2871 Pg. 42 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES K. M. Kapp
INDEXED C. J. GALLI DATE

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS From BM 36-4 To BM 36-5
BM 36-4									BM 36-4
									Palos Verdes Dr. E., near
1	234	025	535 5	239 229 10	101	282	402 5	106 96 10	House # 27865
									See F.B. 1357-10
2	266	345	567 5	277 254 23 33	37	587	338 5	49 26 23 33	
									T Bustrum
3	266	365	567 5	277 254 23 56	21	507	322 5	33 9 24 57	
4	266	561	567 5	278 254 24 80	34	845	335 5	46 23 23 80	Summation of Run From B.M. 36-4 To B.M. 36-5
5	268	730	569 5	280 256 24 104	35	067	336 5	47 23 24 104	
6	270	575	571 5	282 258 24 128	45	469	346 5	57 33 24 128	Total Backsights = + 3364.104 ✓ Total Foresights = − 536.942 ✓ Diff. Elev. = + 2827.162 ✓
7	252	899	553 5	269 241 23 151	35	418	336 5	47 23 24 152	
8	238	535	539 5	249 226 23 174	64	898	365 5	76 52 24 176	Backsight stadia = 291' Foresight Stadia = 294'
9	250	785	551 5	262 239 23 197	37	895	338 5	49 25 24 200	Total Stadia = 585' meters
10	251	513	552 5	263 239 24 221	38	862	339 5	49 27 22 222	
11	267	272	568 5	278 255 23 244	29	292	330 5	41 17 24 246	
12	269	172	570 5	281 257 24 268	16	949	317 5	28 4 24 270	
13	261	327	562 5	272 249 23 291	38	871	338 5	49 1/2 37 12 24 294	BM 36-5
BM 36-5			✓						Palos Verdes Dr. E., near house
	3364	104			536	942	✓		28065. See F.B. 1357-11

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 E. E. Brooks WEATHER Clear INST. NO. 2871
NOTES BY K. M. Kapp DATE 8-20-64 TIME 11:25-12:35 ROD NO. 9-19
INDEXED DATE NOTES CHKD C. J. Gill DATE 10 64
F.B. 2871 PG. 43

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS FROM BM 36-4 TO BM 36-3A
BM 36-4													BM 36-4 PALOS VERDES DR.E. NEAR HOUSE # 27865 SEE F.B. 1357-10 T Bustrum
1	53	592	354	5	66 40	26	294	301	595	5	294 1/2 281	13 26	
2	10	001 065	311	5	23 1/2 10	13 26 52	295	187	596	5	295 1/2 282	13 26 52	
3	30 ~~24~~	~~075~~ ~~08~~	1 33~~2~~	5	47 15	34 86	289	142	590	5	289 1/2 273	16 32 84	
4	21	272	322	5	37 5	32 118	289	908	590	5	289 1/2 273	16 32 116	
5	15	819	316	5	29 1/2 15	14 28 142	285	559	586	5	285 1/2 271	14 28 144	
6	38	528	339	5	57 19	38 184	293	689	594	5	293 1/2 275	18 36 180	
7	5	883	306	5	16 1/2 5	11 22 206	289	513	590	5	289 1/2 277	12 24 204	
8	35	079	336	5	46 24	22 228	284	033	585	5	297 270	27 231	
9	10	821	311	5	24 1/2 10	14 28 256	282	333	583	5	295 269	26 257	
10	65	205	366	5	77 53	24 280	259	637	560	5	272 246	26 283	
11	37	749	338	5	50 24	26 306	253	143	554	5	264 242	22 305	
12	34	589	335	5	46 22	24 330	261	675	562	5	273 249	24 329	

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. 86716
ROD NO. 9-19
DATE OCT 20 '64

WEATHER Clear
TIME 11:25-12:35
NOTES CHKD

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 36-4 TO BM 36-3A
				330				329	
13	26	395	327 5	42 10 32 362	291	545	592 5	291 1/2 274 17 34 363	
14	67	871	368 5	82 53 29 391	234	843	535 5	248 219 29 392	
	452	919			3904	508			
BM 36-3A									BM 36-3A Palos Verdes Dr. E. Harbor Sight Dr. See F.B. 1357-9

Summation of Run
From B.M. 36-4
To B.M. 36-3A

Total Backsights = + 452.919
Total Foresights = − 3904.508
Diff. Elev. = −3451 589

Backsight stadia = 391
Foresight Stadia = 392
Total Stadia = 783 Meters

F.B. 2871 Pg. 44
JOB NO. 0301.02
SURVEY OF E.A. Co. Precise Level Net
SURVEY BY E.E. Brooks
NOTES K.M. Kapp
INDEXED C. J. GALLI DATE

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

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

SURVEY BY E. E. Brooks DATE 8-20-64 WEATHER Clear INST. NO. 2471

NOTES BY K. W. Kemp TIME 2:00-3:00 ROD NO. 9-19

INDEXED DATE NOTES CHKD C. J. GALLI DATE OCT 20 '64

F.B. 2871 PG. 45

STATION	BACKSIGHT Right	Mic.	Left.		Stadia		FORESIGHT Right	Mic.	Left.		Stadia		DESCRIPTION AND REMARKS
													From BM 36-3A To BM 36-4
BM 36-3A													BM 36-3A
1	239	459	540	5	254 224	30	71	227	372	5	85 56	29	Palos Verdes Dr. E. &
											46 17		Harbor Sight Dr.
2	294	843	595	5	294 1/2 277 1/2	17 34 64	30 ~~28~~	592 ~~745~~	331 ~~329~~	5 5	~~44~~ ~~12~~	32 61	See F.B. 1357-9
													T Bustrum
3	257	208	558	5	268 246	22 86	30 ~~38~~	095	331	5	42 18	24 85	
4	269	885	570	5	281 256	25 111	56	331	357	5	68 45	23 108	
5	250	931	551	5	262 238	24 135	42	113	343	5	55 29	26 134	
6	277	419	578	5	291 263	28 163	19	269	320	5	32 6	26 160	
7	276	845	577	5	289 263	26 189	43	178	344	5	54 31	23 183	
8	291	538	592	5	291 1/2 280	11 22 211	29	763	330	5	41 16	~~25~~ 208	
9	283	239	584	5	300 266	34 245	19	858	320	5	38 1/2 19	19 38 246	
10	298	701	599	5	298 1/2 285	13 26 271	14	123	315	5	28 1/2 14	14 28 274	
11	293	633	594	5	293 1/2 276	17 34 305	10	975	311	5	25 1/2 10	15 30 304	
12	282	672	583	5	298 266	32 337	29	647	330	5	46 12	34 338	

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear INST. NO. 96716
TIME 2:00 - 3:00 ROD NO. 9-19
NOTES CHKD. DATE OCT 20 '64

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
				337				338	FROM BM 36-3A TO BM 36-4
13	299	249	600 5	299 1/2 13 286 1/2 26 363	7	005	308 5	20 1/2 13 7 26 364	
14	288	068	589 5	288 1/2 13 275 26 389	47	855	348 5	60 34 26 390	
	3903	690			452	031			
BM 36-4									BM 36-4 Palos Verdes Dr. E., near House #27865 See F.B. 1357-10

Summation of Run
From B.M. 36-3A
To B.M. 36-4

Total Backsights = + 3903.690
Total Foresights = − 452.031
Diff. Elev. = +3451.659

Backsight stadia = 389
Foresight Stadia = 390
Total Stadia = 779 Meters

F.B. 2871 PG. 46 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES K.M. Kapp
INDEXED C. J. GALLI DATE

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 E. E. Brooks WEATHER Clear INST. NO. 9671

NOTES BY K. M. Kapp DATE 8-21-64 TIME 9:30-10:05 ROD NO. 9-19

INDEXED DATE NOTES CHKD. C. J. GALLI DATE OCT 20 '64

F.B. 2871 PG. 47

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 36-3A TO BM 36-2A
BM 36-3A													BM 36-3A Palos Verdes Dr. E. & Harbor Sight Dr. See F.B. 1357-9
1	70	369	371	5	96 44	52	123	681	424	5	179 98	51	
2	98	542	399	5	124 72	52 104	208	998	509	5	234 182	52 103	T Bustrum
3	60	089	361	5	84 36	48 152	289	275	590	5	289 116 262	27 54 157	
4	90	336	341	5	53 27	26 178	275	549	516	5	286 263	23 180	Summation of Run From B.M. 36-3A To B.M. 36-2A
5	26	701	327	5	38 14	24 202	278	583	579	5	289 266	23 203	
6	38	623	339	5	49 27	22 224	255	950	556	5	266 244	22 225	Total Backsights = + 390.235 Total Foresights = − 1602.168 Diff. Elev. = ~~1211.933~~ N.G. See Pg. 49
7	55	575	356	5	79 32	47 271	170	132	471	5	194 145	49 274	
	390	235					1602	168					
BM 36-2A													Backsight stadia = 271 Foresight Stadia = 274 Total Stadia = 545 Meters BM 36-2A Palos Verdes Dr. E. & N. of Narbonne Ave. See F.B. 3700-69

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear INST. NO. 96716
TIME 10:05-10:35 ROD NO. 9-19
NOTES CHKD. MJ DATE 9-7-78

F.B. 2871 PG. 48 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY L.E. Brook NOTES K. M. Kapp
INDEXED C. J. GALLI DATE

STATION	BACKSIGHT Right	Mic.	Left.	Stadia	FORESIGHT Right	Mic.	Left.	Stadia	DESCRIPTION AND REMARKS From BM 36-2A To BM 36-3A
BM 36-2A									BM 36-2A Palos Verdes Dr. E. & N. & Narbonne Ave. See F.B. 3700-69
1	170	279	471 5	194 146 48	55	685	356 5	79 31 48	
2	252	485	553 5	263 240 23 71	35	385	336 5	46 24 22 70	T Bustrum
3	280	502	581 5	292 269 23 94	26	653	327 5	38 14 24 94	
4	281	578	582 5	293 269 24 118	41	152	342 5	54 28 26 120	Summation of Run From B.M. 36-2A To B.M. 36-3A
5	283	237	584 5	283½ 257½ 26 52 170	61	402	362 5	85 37 48 168	
6	210	702	511 5	236 184 52 222	99	747	400 5	125 73 52 220	Total Backsights = + 1606.880 ✓
7	128	097	429 5	153 102 51 273	74	597	375 5	100 48 52 272	Total Foresights = − 394.621 ✓
	1606	880 ✓			394	621 ✓			Diff. Elev. = +1212.259 ✓
									Backsight stadia = 273 ✓
									Foresight Stadia = 272 ✓
									Total Stadia = 545 ✓ Meters
BM 36-3A									BM 36-3A Palos Verdes Dr. E. & Harbor Sight Dr. See F.B. 1357-9

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.

STATION	BACKSIGHT Right	Mic.	Left.		Stadia		FORESIGHT Right	Mic.	Left.		Stadia	
BM 36-3A		RE-RUN										
1	69	761	370	5	95/43	52	123	637	424	5	148/98	50
2	10 ~~5~~	373	40 ~~5~~ 6	5	131/79	52/104	214	642	515	5	240/188	52/102
3	53	816	354	5	77/29	48/152	276	103	577	5	300/252	48/150
4	18	911	319	5	32/4	28/180	260	801	561	5	272/248	24/174
5	34	499	335	5	44/24	20/200	286	688	587	5	298/274	24/198
6	32	163	333	5	43/21	22/222	249	129	550	5	260/238	22/220
7	54	949	355	5	77/31	46/268	170	459	471	5	194/146	48/268
	369	472					1581	459				
BM 36-2A												

DESCRIPTION AND REMARKS

From BM 36-3A To BM 36-2A

BM 36-3A
Palos Verdes Dr. E. & Harbor Sight Dr.
See F.B. 1357-9

T Rodriguez, R.J.

Summation of Run
From B.M. 36-3A
To B.M. 36-2A

Total Backsights = 369.472
Total Foresights = -1581.459
Diff. Elev. = -1211.987

Backsight stadia = 268
Foresight Stadia = 268
Total Stadia = 536 meters

BM 36-2A
Palos Verdes Dr. E. & N. & Narbonne Ave.
See F.B. 3700-69

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks
NOTES BY K.M. Kepp DATE 8-25-64 WEATHER Overcast INST. NO. 9677
TIME 9:25-9:50 ROD NO. 8-15
INDEXED DATE NOTES CHKD. C. J. GALLI DATE OCT 16 '64
F.B. 2871 Pg. 49

F.B. 2871 Pg. 50

JOB NO.

SURVEY OF

SURVEY BY NOTES

INDEXED C. J. GALLI DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD DATE

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 Los Angeles County Engineering Bldg.

Do not extend notes this side of this line.

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

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

76P526 CE # 308 3-61

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
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 F. E. Brooks WEATHER Clear INST. NO. 9671

NOTES BY K. M. Kerr DATE 8-21-64 TIME 11:00 - 2:15 ROD NO. 8-15

INDEXED DATE NOTES CHKD. C. J. CATLIN DATE OCT 20 '01

F.B. 2871 PG. 51

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA	DESCRIPTION AND REMARKS
											FROM BM 36-2A TO BM 36-1
BM 36-2A											BM 36-2A PALOS VERDES DR. N. & E. & NARBONNE AVE. SEE F.B. 3700-69
1	27	701	328	5	51 27 1/2 24 48	147	713	448	5	170 124 46	
2	217	207	518	5	238 196 42 90	148	298	449	5	170 126 44 90	
3	28	929	329	5	54 28 1/2 26 52 142	266	181	567	5	292 240 52 142	
4	37	665	338	5	50 25 25 167	276	999	577	5	289 263 26 168	
5	3	982	304	5	16 3 1/2 13 26 193	281	205	582	5	295 267 28 196	
6	29	389	330	5	36 22 14 207	239	121	540	5	245 233 12 208	
7	48	065	349	5	57 39 18 225	260	659	561	5	269 251 18 226	
8	52	728	353	5	61 43 18 243	264	989	565	5	273 255 18 244	
9	36	911	337	5	46 27 19 262	264	065	565	5	272 255 17 261	
10	56	078	357	5	64 47 17 279	255	343	556	5	264 246 18 279	
11	46	189	347	5	56 37 19 298	254	935	555	5	263 245 18 297	
12	43	091	344	5	51 34 17 315	261	663	562	5	270 252 18 315	

T Bustrum

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear INST. NO. 96716
TIME 11:00 - 2:15 ROD NO. 9-19
NOTES CHKD. [illegible] DATE OCT 20 '64

F.B. 2871 Pg. 52 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES K. M. Kapp
INDEXED C. J. GALLI DATE

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM 36-2A TO BM 36-1
				315				315	
13	30	039	331 5	39 20 19 334	267	028	568 5	276 258 18 333	
14	80	780	381 5	86 75 11 345	156	111	457 5	161 151 10 343	1 hr. for lunch
15	8	757	309 5	16 1/2 8 8 16 361	273	658	574 5	282 264 18 361	
	~~37~~	~~431~~	~~338~~						Summation of Bm
16	37	431	338 5	47 28 19 380	273	618	574 5	283 263 20 381	From B.M. 36-2A
									To B.M. 36-1
17	76	099	377 5	88 63 25 405	240	723	591 5	290 1/2 278 1/2 12 24 405	
18	30	905	331 5	40 20 20 425	273	095	574 5	283 263 20 425	Total Backsights = + 1206.777'
19	35	170	336 5	45 25 20 445	237	053	538 5	247 227 20 445	Total Foresights = − 6012.357'
20	55	893	356 5	70 40 30 475	218	483	519 5	233 203 30 475	Diff. Elev. = − 4805.580'
21	115	228	416 5	139 91 48 523	244	437	545 5	267 221 46 521	
22	22	458	323 5	42 1/2 22 ~~40~~ 523	294	449	595 5	294 1/2 276 18 36 557	
23	17	453	318 5	39 1/2 17 22 44 607	290	782	591 5	290 1/2 265 25 50 607	Backsight stadia = 637'
									Foresight Stadia = 641'
24	68	629	369 5	83 53 30 637	271	749	572 5	288 254 34 641	Total Stadia = 1278' Meters
BM 36-1	1206	777			6012	357			BM 36-1
									Narbonne Ave., cpp.
									Chandler Sand & Gravel Wash Rack
									See F.B. 3700-67

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

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

SURVEY BY E. E. Brooks WEATHER Sunny INST. NO. 9671

NOTES BY T.J. Rodriguez DATE 8-29-64 TIME 1:25-3:05 ROD NO. 8-12

INDEXED ____ DATE ____ NOTES CHKD. G. J. GALLI DATE ____

F.B. 2871 PG. 53

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 36-1 TO BM 36-2A
BM 36-1													BM 36-1
											87		Narbonne Ave., opposite
1	267	679	568	5	283 250	33	72	392	373	5	56	31	Chandler Sand & Gravel Wash Rack
													See F.B. 3700-67
2	284	885	585	5	284 260 310 278	24 48 81	003	010	304	5	24 23 3	45 3 47 74	
													T.R.R. Rodriguez
3	297	998	598	5	~~595~~	32	35	767	336	5	53 17	36	
4	254	592	555	5	277 231	183 46	114	228	165	5	138 90	110 48	
5	209	949	510	5	224 194	199 30	70	447	371	5	85 55	158 30	
6	255	378	556	5	266 244	189 22	17	541	318	5	27 7	188 20	
7	267	750	568	5	276 258	291 18	45	658	344	5	52 34	208 18	
8	291	335	592	5	304 279	229 25	73	822	374	5	84 62	226 22	
9	269	289	570	5	279 259	254 20	22	522	323	5	52 12	248 26	
10	271	355	572	5	280 262	294 18	17	066	318	5	24 11	268 13	
11	154	606	455	5	159 149	292 302	78	858	379	5	84 72	281 12	
12	274	622	575	5	283 265	18 320	31	798	332	5	40 22	293 18 311	

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear INST. NO. 96716
TIME 1:25-3:05 ROD NO. 9-19
NOTES CHKD. DATE OCT 20 '64

JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES R. J. Rodriguez
INDEXED C. J. GALLI DATE

F.B. 2871 PG. 54

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM BM 36-1 TO BM 36-2A
13	255	710	556 5	264 246 18 310	46	598	347 5	55 37 18 311	
14	261	547	562 5	270 252 18 328	48	998	349 5	57 39 18 329	Summation of Run From B.M. 36-1 To B.M. 36-2A
15	248	735	549 5	257 239 18 346	47	813	348 5	56 38 18 347	
16	255	203	556 5	261 247 14 304	27	187	328 5	36 18 18 365	Total Backsights = + 6067.255 ✓
17	273	397	574 5	282 264 18 388	57	507	358 5	66 49 17 383	Total Foresights = − 1261.858 ✓
18	258	328	559 5	267 249 18 406	49	866	350 5	57 41 16 400	Diff. Elev. = + 4805.397 ✓
19	241	317 ~~315~~	542 5	248 234 14 424	80	011	381 5	86 74 12 416	Backsight stadia = 633'
20	284	168	585 5	296 272 24 428	~~004~~	~~270~~	~~305 5~~	2×17 4 428	Foresight Stadia = 626'
21	298	414	599 5	2×281 298 34 462	23	014	324 5	34 12 22	Total Stadia = 1259' Meters
22	274	340	575 5	292 256 36 496	008	830	309 5	2×22 8 450 36	
23	178	480	479 5	204 152 52 522	49	772	350 5	67 31 36 484 522	
24	138	178	439 5	165 114 49 584	210	865	511 5	244 186 58	
				623 ✓	30	338	331 5	2×53 30 46 580	
								626 ✓	
BM 36-2A	6067 255 ✓				1261 858 ✓				BM 36-2A Palos Verdes Dr. N. & E. of Narbonne Ave. See F.B. 3700-69

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 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 ~~F.K.~~ R.J. RODRIGUEZ F.E. Brooks WEATHER Sunny INST. NO. 26126
NOTES BY R.J. RODRIGUEZ DATE 8-25-64 TIME 10:00 To 10:50 ROD NO. 9419
INDEXED DATE NOTES CHKD. C.J. GALLI DATE 8-25-64

F.B. 2871 P.35

STATION	BACKSIGHT RIGHT	MIC.	LEFT		STADIA		FORESIGHT RIGHT	MIC.	LEFT		STADIA		DESCRIPTION AND REMARKS
BM 36-1					91	97					254		BM 36-1
1	74	300	375	5	~~37~~ 55	34	264	362	565	5	244	40	NARBONNE AVE. opposite
					53					5	258		CHANDLER SAND & GRAVEL
2	38	813	339	5	21	32	243	373	544	5	228	30	WASH RACK
					70	66					235	70	SEE F.B. 3700-67
3	52	088	353	5	34	36	220	058	521	5	205	30	
	146				163	102					156	100	
4	~~147~~	979	447	5	129	34	139	142	440	5	122	34	
					167	136					240	134	
5	151	152	452	5	135	32	223	202	524	5	206	34	
					64	168					293½	168	R.J. RODRIGUEZ
6	55	887	356	5	46	18	293	320	594	5	280	26	
					28	186					256	194	
7	19	068	320	5	10	18	247	165	548	5	238	18	
					16	204					268	212	
8	5	558	306	5	52	22	260	293	561	5	252	16	
					61	226					271	228	
9	52	031	353	5	43	18	262	302	563	5	253	18	
					62	244					231	246	
10	53	702	354	5	44	18	223	929	524	5	215	16	
					101	262					212	262	
11	92	470	393	5	83	18	203	700	504	5	194	18	
					108	280					188	280	
12	95	461	396	5	82	26	177	978	478	5	166	22	
BM 36-11						306						302	BM 36-11
	837	509					2758	824					NARBONNE AVE., W. SIDE
													IN FRONT OF APT NO. 25941
													See F.B. 3700-65

Summation of Run
From B.M. 36-1
To B.M. 36-11

Total Backsights = + 837.509
Total Foresights = − 2758.824
Diff. Elev. = ~~1921.315~~ N.G.
See 19.57

Backsight stadia = 306
Foresight Stadia = 302
Total Stadia = 608 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.

WEATHER SUNNY INST. NO. 96716
TIME 1115 TO 2150 ROD NO. 9-19
NOTES CHKD. DATE OCT 20 '64

F.B. 2871 PG. 56
JOB NO. 0301.02
SURVEY OF E.A. Co. Precise Level Net
SURVEY BY F. E. Brooks NOTES R.R. RODRIGUEZ
INDEXED C. J. GALLI DATE

STATION	BACKSIGHT Right Mic.	BACKSIGHT Left.	BACKSIGHT Stadia	FORESIGHT Right Mic.	FORESIGHT Left.	FORESIGHT Stadia	DESCRIPTION AND REMARKS
							From BM 36-11 To BM 36-1
BM 36-11							BM 36-11 Narbonne Ave., W. side in front of Apt. #25941 See F.B. 3700-65
1	177 496	4785	188 166 22	83 338	3845	98 68 30	
2	205 111	5065	213 197 16	104 261	4055	112 97 15	
			38			45	T R.J. RODRIGUEZ
3	227 860	5285	~~337~~ 317 20	55 692	3565	63 47 16	
			58			61	
4	269 998	5705	279 259 20	62 158	3635	70 54 16	
			78			77	
5	282 643	5835	292 272 20	24 099	3255	33 15 18	
			98			95	Summation of Bm From B.M. 36-11 To B.M. 36-1
6	248 047	5495	257 239 18	23 893	3245	32 14 18	
			116			113	
7	292 597	5935	~~292~~ 271 ~~250~~ 24	62 470	3635	71 53 18	
			140			131	
8	229 322	5305	244 214 30	150 322	4515	168 132 36	Total Backsights = + 2809.485
			170			167	Total Foresights = − 887.542
9	142 189	4435	158 126 32	148 257	4495	165 131 34	Diff. Elev. = ~~+1922.943~~ N.G.
			202			201	See 29.58
10	226 949	5275	242 210 32	61 248	3625	27 45 32	Backsight stadia = 306
			234			233	Foresight Stadia = 299
11 ?	247 033 ~~253 405~~	5485 ~~5545~~	263 231 32	41 603	3425	57 25 32	Total Stadia = 605 Meters
			266			265	
12	260 240	5615	250 240 40	70 201	8715 ~~3725~~	87 53 34	
			306			299	
BM 36-1	2809 485			987 542			BM 36-1 Narbonne Ave., opp. Chandler Sand & Gravel Wash Rack. See F.B. 3700-67

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks
NOTES BY R.J. Podbielniak DATE 8-26-64 WEATHER Sunny TIME 11:15 – 12:15 INST. NO. 9571 ROD NO. 9-19
INDEXED DATE NOTES CHKD. C. J. Gauh DATE 11 20 64
F.B. 2871 PG. 57

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 36-1 TO BM 36-11
BM 36-1		RE-	RUN										BM 36-1 Narbonne Ave., opp. Chandler Sand & Gravel Wash Rack
1	64	786	365	5	84 44	40	252	886	553	5	270 234	36	
2	49	542	350	5	64 34	30	251	081	552	5	268 234	34	See F.B. 3700-67
						70						70	
3	51	976	352	5	67 35	32	228	394	529	5	244 211	33	T Steve Will
						102						103	
4	152	907	453	5	169 134	35	142	025	443	5	159 125	34	Summation of Run
						137						137	From B.M. 36-1
5	155	027	456	5	172 138	34	230	467	531	5	247 213	34	To B.M. 36-11
						171						171	
6	57	712	358	5	67 47	20	290	901	591	5	290½ 277½	26	
						191						197	Total Backsights = 845.910
7	15	939	316	5	25 5	20	243	442	544	5	252 234	18	Total Foresights = 2767.212
						211						215	Diff. Elev. = -1921.302
8	21	607	322	5	30 12	18	266	458	566	5	275 255	20	
						229						235	
9	25	145	326	5	36 14	22	248	782	549	5	256 240	16	
						251						251	Backsight stadia = 313
10	59	913	360	5	68 50	18	229	943	530	5	238 220	18	Foresight Stadia = 309
						269						269	Total Stadia = 622 Meters
11	93	311 ~~301~~	394	5	102 84	18	206	008	507	5	215 197	18	
						287						287	
12	98	045	399	5	111 85	26	179	825	478 ~~478~~	5	188 166	22	
BM 36-11						313						309	BM 36-11 Narbonne Ave., W. side in front of Apt. #25941
	845	910					2767	212					

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. NO. 96716 ROD NO. 9-19 DATE OCT 20 '64

WEATHER Sunny TIME 2:30 - 3:18 NOTES CHKD

F.B. 2871 Pg. 58 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY F. E. Brooks NOTES R. Rodriguez

INDEXED G. J. GALLI DATE

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM 36-11 TO BM 36-1
BM 36-11	RE- RUN								BM 36-11
									Narbonne Ave., W. side
1	176	622	477 5	187 165 22	96	618	397 5	108 84 24	in front of Apt. #25941
									See F.B. 3700-65
2	204	205	505 5	213 195 18	90	041	391 5	99 81 18	
				40				42	T R. Rodriguez
3	226	963	527 5	235 217 18	54	807	355 5	63 44 19	
				58				61	
4	258	350	559 5	267 249 18	48	578	349 5	57 39 18	
				76				79	Summation of Run
5	269	811	570 5	278 260 18	18	212	319 5	27 9 18	From B.M. 36-11
				94				97	To B.M. 36-1
6	258	813	559 5	268 248 20	30	720	331 5	39 21 18	
				114				115	
7	299	270 ~~600~~	600 ~~600~~ 5	299 286 ½ 26	66	613	367 5	76 56 20	Total Backsights = + 2799.816
				140				135	Total Foresights = − 878.672
8	226	237	527 5	242 210 32	148	531	449 5	165 131 34	Diff. Elev. = +1921.144
				172				169	
9	137	566	438 5	153 121 32	144	989	445 5	162 126 36	
				204				205	
10	231	577	532 5	248 214 34	63	052	364 5	79 47 32	Backsight stadia = 303'
				238				237	Foresight Stadia = 309'
11	258	490	559 5	274 242 32	54	580	355 5	70 38 32	Total Stadia = 612' Meters
				270				269	
12	251	912	552 5	267 234 33	61	931	362 5	81 41 40	
BM 36-1				303				309	BM 36-1
	2799	816			878	672			Narbonne Ave., opp. Chand ler
									Sand & Gravel Wash Rack
									See F.B. 3700-67

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 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 WEATHER SUNNY
NOTES BY R.R. RODRIGUEZ DATE 8-25-64 TIME 11:00 TO 11:50 INST. ROD NO.
INDEXED DATE NOTES CHKD. C. J. GALL DATE
F.B. 28 PG. 5

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 36-11 TO BM 21-64
BM 36-11					88						272		BM 36-11
1	67	459	368	5	46	42	252	076	553	5	232	40	NARBONNE AVE., W. side
					79		226		527	5	245		in front of Apt. #25941
2	61	090	362	5	43	36	~~227~~	919	~~528~~	5	207	38	See F.B. 3700-65
					100	78					228	78	
3	81	592	382	5	62	42	210	668	511	5	193	35	T R.J. RODRIGUEZ, R. J.
					70	120					210½	113	
4	48	950	349	5	26	44	186	650	487	5	186	48	Summation of Run
					143	84					214	161	From B.M. 36-11
5	121	093	422	5	98	45	191	142	492	5	168	46	To B.M. 21-64
					128	209					198	207	
6	104	258	405	5	80	48	173	755	474	5	148	50	Total Backsights = + 886.720 ✓
					170	257					194	257	Total Foresights = − 1633.160 ✓
7	147	681	448	5	124	46	171	139	472	5	148	46	Diff. Elev. = −746.440 ✓
					153	303					181	303	
8	133	097	434	5	113	40	161	739	462	5	141	40	Backsight stadia = 357
					128	343					68	343	Foresight Stadia = 356
9	121	500	422	5	114	14	59	072	—	5	52	13	Total Stadia = 713 Meters
					35							356	
	886	720					1633	160					Used Steel Tape
BM 21-64													BM 21-64 (N.S.C & G.S.S-99)
													PACIFIC COAST HWY &
													E SHELMAN AVE.
													See F.B. 1391-61

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 CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

INST. NO. 96716
ROD NO. 9-19
DATE OCT 20 '64
WEATHER Hazy
TIME 10:00
NOTES CHKD

STATION	BACKSIGHT Right	BACKSIGHT Mic.	BACKSIGHT Left.	BACKSIGHT Stadia	FORESIGHT Right	FORESIGHT Mic.	FORESIGHT Left.	FORESIGHT Stadia	DESCRIPTION AND REMARKS
									FROM BM 21-64 TO BM 36-11
BM 21-64									BM 21-64 (U.S.C.&G.S. 5-99) Pacific Coast Hwy. & Eshelman Ave. See F.B. 1391-61
1	51	352		57 / 45 / 12	111	300	412 5	118 / 104 / 14	
	← Steel		Tape Used						
2	171	320	472 5	192 / 150 / 42 / 54	144	484	445 5	154 / 124 / 30 / 44	T - Steve Will
3	167	061	468 5	187 / 147 / 40 / 94	143	285	444 5	168 / 118 / 50 / 94	Summation of Run From B.M. 21-64 To B.M. 36-11
4	174	139	475 5	199 / 149 / 50 / 144	105	681	406 5	128 / 81 / 47 / 141	
5	193	814	494 5	215 / 170 / 45 / 189	121	870	422 5	144 / 98 / 46 / 187	Total Backsights = + 1618.628 ✓
6	183	246	484 5	206 / 159 / 47 / 236	46	880	347 5	68 / 24 / 44 / 231	Total Foresights = − 871.943 ✓
									Diff. Elev. = + 746.685 ✓
7	202	808	503 5	218 / 186 / 32 / 268	75	089	376 5	95 / 55 / 40 / 271	
8	221	488	522 5	241 / 201 / 30 / 298	50	124	351 5	67 / 33 / 34 / 305	Backsight stadia = 342 ✓
9	253	400	554 5	275 / 231 / 44 / 342	73	230	374 5	92 / 54 / 38 / 343	Foresight Stadia = 343 ✓ Total Stadia = 685 Meters
	1618	628 ✓			871	943 ✓			
BM 36-11									BM 36-11 Narbonne Ave., W. side in front of Apt. # 25941 See F.B. 3700-65

F.B. 2871 PG. 60
JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY F. E. Brooks
NOTES A. J. Rodriguez
INDEXED C. J. GALLI
DATE

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 BM 21-64 TO BM 21-66
BM 21-64													BM 21-64 (U.S.C.&G.S.S-99)
1	50	892	—	5	54 46	8	163	477	464	5	166 160	6	PACIFIC COAST HWY. &
	Used steel Tape						185		486				ESHELMAN AVE.
2	77	610	378	5	95 59	36	~~142~~	841	~~493~~	5	202 168	34	SEE F.B. 1391-61
						49						40	
3	93	992	394	5	112 75	37	~~231~~	~~472~~	~~532~~	5	252 210	42	
						81	199		~~500~~	5		82	
4	64	343	365	5	87 41	46	~~198~~	056	~~489~~	5	222 176	46	
						127						128	
5	162	841	403	5	126 78	48	204	728	505	5	228 180	48	R.J. RODRIGUEZ
						175						176	
6	117	229	418	5	133 101	32	207	717	508	5	224 190	34	Summation of Run
						207						210	From B.M. 21-64
7	76	679	377	5	102 50	52	218	205	519	5	240 197	43	To B.M. 21-66
						259						253	
8	95	891	396	5	111 79	32	226	463	527	5	245 207	38	Total Backsights = 750 278
~~8~~						291	~~249~~	~~115~~	~~550~~	5		291	Total Foresights = 1886.074
9	70	801	371	5	99 40	59	249	115	550	5	252 216	66	Diff. Elev. = ~~-1135.796~~ N.G.
						358						357	See Pg. 63
BM. 21-66	750	278					1886	074					BM. 21-66
													INTER. OF PACIFIC COAST HWY. &
													WESTERN, AVE. SEE F.B. 1391-62
													Backsight stadia = 350
													Foresight Stadia = 357
													Total Stadia = 707 Meters

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

SURVEY BY E. E. Brooks

NOTES BY R.R.R.D.R.G.U.E. DATE 8-25-64

WEATHER SUNNY TIME 1:15 PM FD 2:00 ROD NO. 5 INST NO. 5

INDEXED DATE NOTES CHKD C. J. GALLI DATE

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Hazy INST. NO. 96716
TIME 9:00 - 10:00 ROD NO. 9-19
NOTES CHKD. [illegible] DATE OCT 20 '64

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM BM 21-66 TO BM 21-64
BM 21-66									BM 21-66 Ints. Pacific Coast Hwy. & Western Ave. See F.B. 1391-62
1	251	570	552 5	285 217 68	72	900	373 5	100 44 56	
2	220	930	521 5	237 203 34	90	938	391 5	108 72 36	
3	214	209	515 5	234 194 40	78	660	379 5	103 53 50	92
4	215	576	516 5	234 195 39	116	305	417 5	183 97 38	142
5	195	962	496 5	217 173 44	95	523	396 5	119 71 48	180
6	199	035	500 ~~498~~ 5	223 175 48	65	284	366 5	87 41 46	228
7	223	052	524 5	242 204 38	84	153	385 5	104 64 40	274
8	197	241	498 5	215 179 36	97	892	398 5	111 83 28	314
9	154	029	455 5	160 148 12	34	592	~~39~~ ~~40~~	39 30 9	342
				359				~~343~~ 351	
	1871	604			736	247			
BM 21-64									BM 21-64 (U.S.C.&G.S. 5-99) Pacific Coast Hwy. & Eshelman Ave. See F.B. 1391-61

Steel Tape used

T Steave will

Summation of Run
From B.M. 21-66
To B.M. 21-64

Total Backsights = + 1871.604'
Total Foresights = − 736.247'
Diff. Elev. = + 1135.357'

Backsight stadia = 359'
Foresight Stadia = 351'
Total Stadia = 710' Meters

F.B. 2871 Pg. 62
JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY F. E. Brooks
NOTES F. J. Rodriguez
INDEXED C. J. GALL DATE

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

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

SURVEY BY E. E. Brooks WEATHER Clear

NOTES BY T. R. Rodriguez DATE 8-26-64 TIME 1:20 - 2:30 INST. NO. 9671

INDEXED DATE NOTES CHKD. C. J. GALL DATE ROD NO. 9-19

F.B. 2871 PG. 63

STATION	BACKSIGHT Right	Mic.	Left.		Stadia		FORESIGHT Right	Mic.	Left.		Stadia		DESCRIPTION AND REMARKS
													From BM 21-64 To BM 21-66
BM 21-64	RE-RUN												BM 21-64 (U.S.C. & G.S. 5-99) Pacific Coast Hwy. & Eshelman Ave. See F.B. 1391-61
1	310	926			50 60	10	153	367	454	5	160 146	14	
	Steel Tape used												
2	77	664	378	5	95 61	32	176	910	477	5	192 160	32	
						42						46	T. R. Rodriguez
3	85	322	386	5	105 68	40	221	887	522	5	240 202	38	
						82						84	Summation of Run
4	62	292	363	5	85 40	45	198	962	499	5	221 175	46	From B.M. 21-64
						127						130	To B.M. 21-66
5	99	178	400	5	124 74	50	200	232	501	5	224 176	48	
						177						178	
6	114	503	415	5	130 98	32	204	479	505	5	221 187	34	Total Backsights = + 868.833
						209						212	Total Foresights = − 2004.164
7	78	861	379	5	104 52	52	219	867	520	5	241 197	44	Diff. Elev. = −1135.331
						261						256	
8	94	328	395	5	111 77	34	225	419	526	5	244 206	38	
						295						294	Backsight stadia = 359
9	96	248	397	5	114 78	36	182	064	483	5	200 164	36	Foresight Stadia = 357
						331						330	Total Stadia = 716 meters
10	128	511	429	5	142 114	28	220	977	521	5	234 207	27	
						359						357	
	868	833					2004	164					
BM 21-66													BM 21-66 Ints. of Pacific Coast Hwy. & Western Ave. See F.B. 1391-62

F.B. 2871 Pg. 64

JOB NO.

SURVEY OF

SURVEY BY NOTES

INDEXED C. J. GALLI DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD DATE OCT 20 '64

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

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

Notes Ck'd by	Survey of L.A. Co. Precise Level Net
Map No.	JN 30L 12 Tape Std T
Office Work	Surveyed by E. E. Brooks
Checked	Notes E. E. Brooks Date Sept 64
Date	Indexed C. J. GALLE

F.B. 2891 PG. 65

IN 03 01 02

L.A. COUNTY PRECISE LEVEL NET

LINE NO 5

RE RUN

From Huntington Park

To San Pedro

Via Alameda St. - Lomita Blvd. - Vermont Ave - Normandie Ave - Gaffey St. and Harbor Blvd.

B.M descriptions

F.B. 1706 - 5 To 56

F.B. 3702 - 5 To 250

Brooks E.E.
Kapp K.M.
Moody G.A.
Bustum M.L.
Rodriguez R.R.
Rodriguez R.I.
Mather R.M.
Will S.

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 GE #310 8-63

BM INDEX LINE No 5

F. B. 3871 PG. 66

CONT. RT Pg 67

BM 5-53 FB 3701-131

BM 5-54 FB 3701-133

BM 5-55 FB 3701-135

BM 5-56 FB 3701-137

BM 5-57 FB 3701-139

BM 5-58 FB 3701-141

BM 5-61 FB 3701-143

BM 5-64 FB 3701-145

BM 5-65A FB 3701-147

BM 5-65B FB 3701-149

BM 5-66A FB 3701-151

BM 5-67A FB 3701-153

BM 5-68 FB 3701-155

BM 5-69 FB 3701-157

BM 5-70 FB 3701-159

BM 5-71 FB 3701-161

BM 5-72 FB 3701-163

BM 5-73 FB 3701-165

BM 5-74 FB 3701-167

ST.

HARBOR FRWY.

WILMINGTON SAN PEDRO RD.

BATTERY ST

GAFFEY

AVE

FRONT ST.

BLVD.

2nd st.

PACIFIC

HARBOR

22nd st.

SIGNAL ST.

N

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

Do not extend this side of this line.

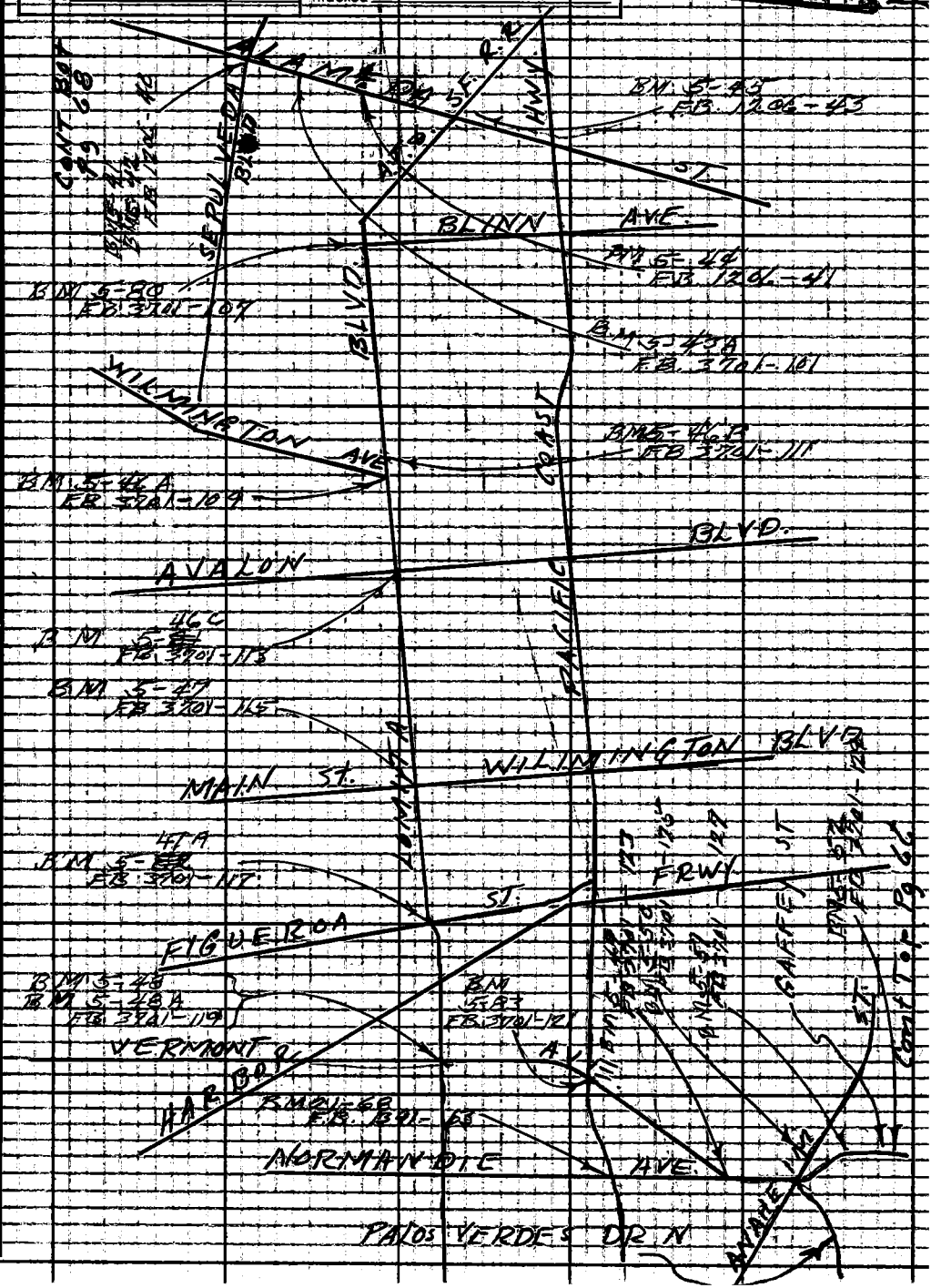
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

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

Survey of LA Co. Precise Level Net
JN 830102 Trace Sta °F
Surveyed by E.E. Brook
Notes E.E. Brook Date Sept 64
Indexed G. J. GALLI

F.B. 2871 PG. 67

BM INDEX LINE No 5



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.

76-Bobs DE #310 (6ds)

F. B. 2001 PG 68

CONT BOT Pg 69

BM INDEX
LINE No. 5

N

BM 5-30
FB 1206-30

BM 5-31
FB 1206-31

BM 5-32
FB 1206-32

BM 5-33
FB 1206-33

SANTA FE AVE

ST.

DEL AMO BLVD

BM 5-36
FB. 1206-34,35

BM 5-35
FB. 1206-34,35

DOMINGUEZ ST.

BM 5-38
FB 1206-37

BM 5-37
FB 1206-36

CARSON ST.

BM 5-39 A
FB. 3701-89

SAN DIEGO FRWY.

ALAMEDA

BM 5- 39 B
BM 5- 39 C
FB 3701-91

BM 5- 40 A
FB 1206-39

BM 5- 40 B
BM 5- 40 C
BM 5- 40 D
FB 3701-95,96

CONT LT Pg 67

PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
403 Los Angeles County Engineering Bldg.
Do not extend this side of this line.

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

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

Survey of L.A. Co. Precise Level Net
JN 0301.02 Tape Std °F
Surveyed by E. E. Brooks
Notes E. E. Brooks Date Sept 64
Indexed C. J. GALLI

F. B. 2871 PG. 69

CONT BOT Pg 70

BM INDEX
LINE No 5

BM 5-19 A
F.B. 3701-47

BM 5-20
F.B. 3701-49

ST.

N

ROSE CRANS AVE.

BM 5-20A
F.B. 3701-51

BM 5-21
F.B. 1206-22

COMPTON BLVD

BM 5-22A
F.B. 1206-23

ALONDRA BLVD

BM 5-23
F.B. 1206-24

BM 5-24
F.B. 1206-25

BM 5-25
F.B. 1206-26

ARTESIA ST.

BM 5-26
BM 5-27
F.B. 1206-27

ALAMEDA

BM 5-28
F.B. 1206-28

BM 5-29
BM 5-29A
F.B. 1206-29

CONT TOP Pg 68

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.

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

789095 CE #247 7-53

F.B. 28 71 PG. 70

CONT BOT Pg 71

BM INDEX
LINE No 5

BM 5-5
F.B. 1206-10

NADEAU

BM 5-6
F.B. 3701-19

BM 5-7
F.B. 3700-21

FIRESTONE

BLVD.

BM 5-8
BM 5-9
F.B. 1206-13

BM 5-10
BM 5-11
F.B. 1206-14

TWEEDY BLVD.

103 Rd St.

BM 5-12
F.B. 1206-15

BM 5-13
BM 5-14
BM 5-15
F.B. 1206-16,17

CENTURY BLVD.

ALAMEDA ST

BM 5-16
F.B. 1206-18

IMPERIAL HWY.

BM 5-16
F.B. 3701-41

BM 5-17
F.B. 1206-19

BM 5-18
F.B. 1206-19

EL SEGUNDO BLVD.

CONT TOP Pg 69

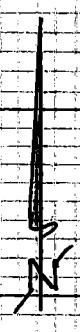
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

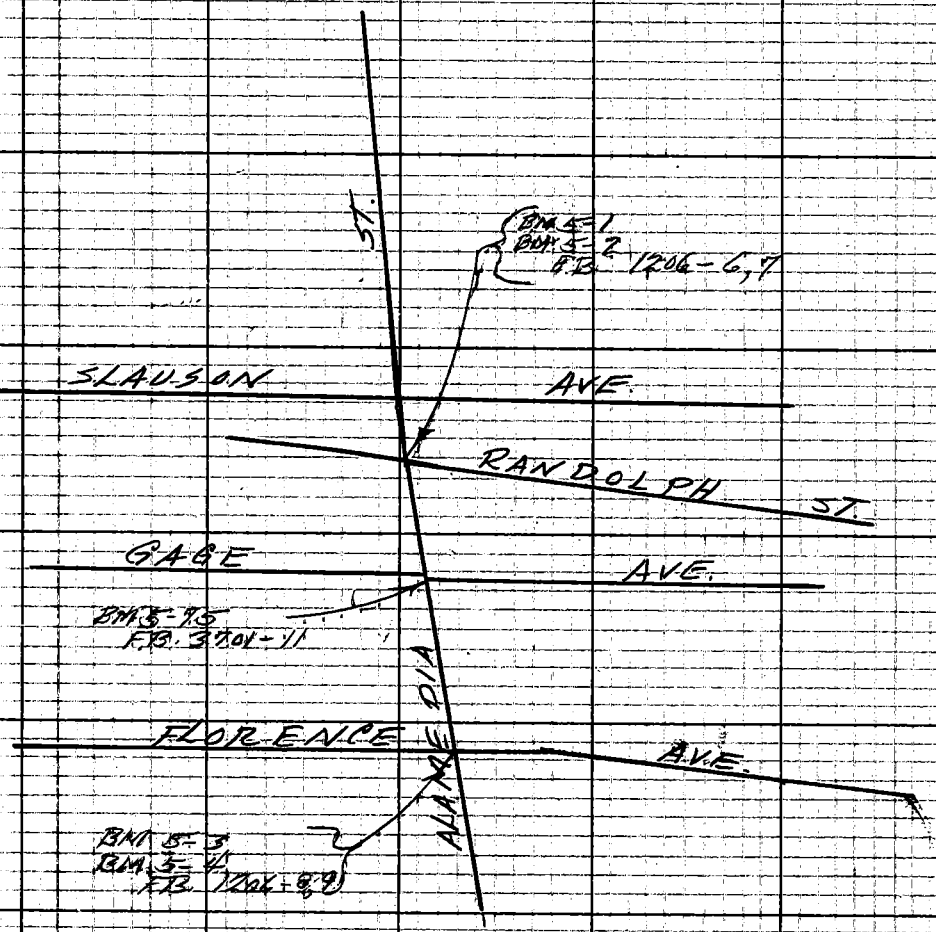
Do not extend notes this side of this line.

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

Notes Ck'd by	Survey of L.A. Co. Precise Level Net	F.B. 2871 PG. 71
Map No.	JN 8302.02 Tape Std of	
Office Work	Surveyed by E. E. Brooks	
Checked	Notes E. E. Brooks Date Sept 64	
Date	Indexed C. J. GALLI	

BM INDEX
LINE No 5





CONT TOP Pg 70

Notes: Any Additions or Changes on This Sheet Must Be Made or Circled In Red Ink With Date and Name of Person Making Change.
Do not extend notes this side of this line.
RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.
763096 CE #247 7-53

F. B. 2871 PG. 72

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

Do not extend notes this side of this line.

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

76P526 CE # 808 3-61

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

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

Do not extend notes this side of this line.

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

SURVEY BY E. E. Brooks WEATHER Clear-Windy INST. NO. 2471

NOTES BY F. E. Brooks DATE 18 Sept 1964 TIME 1:20 - 1:50 ROD NO. 2-14

INDEXED DATE NOTES CHKD C. J. GALLI DATE 11-9-64

F.B. 2817 PG. 73

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 5-74 TO BM 5-73
BM 5-74													BM 5-74 (Tidal 8) S. end of BERTH 60 Port of LOS ANGELES. W. of end of Signal. St.
1	171	769	472	5	180 162	18	167	072	468	5	176 158	18	
2	57	170	358	5	73 41	32 50	161	038	462	5	177 145	32 50	See FB 3701-167
3	174	080	475	5	202 146	56 106	163	002	484	5	211 155	56 106	Tkapp.
4	151	762	452	5	178 124	54 160	153	920	454	5	180 126	54 160	
5	156	369	457	5	183 129	54 214	161	090	462	5	190 132	58 218	Summation of Run From B.M. 5-74 To B.M. 5-73
6	157	563	458	5	185 129	56 270	154	310	455	5	180 128	52 270	
7	159	185	460	5	187 131	56 326	156	668	457	5	183 129	54 324	Total Backsights = + 1339.958
8	156	940	457	5	183 129	54 380	155	423	456	5	183 127	56 380	Total Foresights = − 1348.078
9	155	120	456	5	173 137	36 416	55	505	356	5	74 36	38 418	Diff. Elev. = − 8.120
	1339	958					1348	078					Backsight stadia = 416
													Foresight Stadia = 418
													Total Stadia = 834 meters
BM 5-73													BM 5-73 (Tidal 9) Signal St. and 22nd St. See F.B. 3701-165.

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. 2871 PG. 74 JOB NO. 2361.02

SURVEY OF L.A. Co. Precise Level Net

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

INDEXED C. J. GALLI DATE

WEATHER Clear - Windy INST. NO. 9/716

TIME 1:55 - 2:25 ROD NO. 9-19

NOTES CHKD. DATE OCT 21 '64

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM BM5-73 TO BM5-74
BM 5-73									BM5-73 (Tidal 9) Signal St. and 22nd St. See F.B. 3701-165
1	56	891	357 5	45 / 37 / 38	156	761	457 5	175 / 137 / 36	
2	155	422	456 5	157 / 127 / 56 / 94	156	458	457 5	183 / 129 / 54 / 92	
3	158	300	459 5	185 / 131 / 54 / 146	160	473	461 5	188 / 132 / 56 / 148	π kapp
4	154	367	455 5	181 / 127 / 54 / 202	164	142	465 5	191 / 137 / 54 / 202	Summation of Run. From B.M. 5-73 To B.M. 5-74
5	165	739	466 5	194 / 136 / 58 / 260	155	170	452 5	182 / 128 / 54 / 256	
6	154	370	455 5	181 / 127 / 54 / 314	151	041	452 5	179 / 123 / 56 / 312	Total Backsights = + 1348.736 ✓
7	178	219	479 5	206 / 150 / 56 / 370	170	411	471 5	198 / 142 / 56 / 368	Total Foresights = − 1340.668 ✓
8	158	926	459 5	174 / 142 / 32 / 402	53	632	354 5	69 / 37 / 32 / 403	Diff. Elev. = + 8.070 ✓
9	166	708	467 5	195 / 157 / 18 / 420	172	586	479 5	182 / 162 / 20 / 420 ✓	Backsight stadia = 420 ✓
	1348 736 ✓				1340 668 ✓				Foresight Stadia = 420 ✓
									Total Stadia = 840 meters
BM 5-74									BM5-74 (Tidal 8) S. end of Berth 60 Port of L.A. See F.B. 3701-167

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
NOTES BY Bustrum DATE 18 Sept 1964 TIME 2:35-2:80 WEATHER Clear INST. NO. 9674
INDEXED DATE NOTES CHKD. J. GALL DATE OCT 21 '64 ROD NO. 8-19
F.B. 4871 PG. 115

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 5-73 TO BM 5-72
BM5-73													BM5-73 (Tidal 9) On Signal St. 126.0 ft. S. of 22nd St.
1	52	688	353	5	75/29	46	105	938	406	5	129/81	48	
													See FB 3701-165
													π Kapp
BM5-72													BM5-72 (Tidal 10) S. end of Signal St. Via Duct.
													See FB 3701-163

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

Total Backsights = + 52.688
Total Foresights = − 105.938
Diff. Elev. = − 53.250

Backsight stadia = 46
Foresight Stadia = 48
Total Stadia = 94 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.

F.B. 12-71 PG. 76 JOB NO. 0301.02 LA. Co. Precise Level No.

SURVEY OF

SURVEY BY E. E. Brooks NOTES

INDEXED G. J. GALLI DATE

WEATHER Clear INST. NO. 96716

TIME 9:15-9:30 ROD NO. 9-19

NOTES CHKD. DATE OCT 21 '04

STATION	BACKSIGHT Right	BACKSIGHT Mic.	BACKSIGHT Left.	BACKSIGHT Stadia	FORESIGHT Right	FORESIGHT Mic.	FORESIGHT Left.	FORESIGHT Stadia	DESCRIPTION AND REMARKS
									FROM BM 5-72 TO BM 5-73
BM 5-72									BM 5-72 (Tidal 10)
1.	106	318	401 5	130 82 48	53	184	354 5	76 30 46	S. end of Signal St. Viaduct. See F.B. 3701-165
BM 5-73									BM 5-73 (Tidal 4) Signal St. 126.0 ft. S. of 22nd St. See F.B. 3701-165

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

Total Backsights = + 106.318
Total Foresights = − 53.184
Diff. Elev. = + 53.134

Backsight stadia = 48
Foresight Stadia = 46
Total Stadia = 94 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 CANCELLED 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 BM5-72 TO BM5-71
BM5-72													BM5-72 (Tidal 10) S. end of Signal St. via Duct. See FB 3701-163
1	102	451	403	5	126 78	48	131	440	432	5	155 107	48	
2	144	105	445	5	171 117	54 102	147	250	448	5	178 116	62 110	π Kapp.
3	153	071	454	5	167 139	28 130	53	603	354	5	65 41	24 134	
4	399	627					332	293					
5													
BM5-71													BM5-71 (Tidal 11) 22nd St. (N. Side) 173 ± FT. E. of Miner St. See FB 3701-161

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

Total Backsights = + 399.627'
Total Foresights = − 332.293'
Diff. Elev. = + 67.334'

Backsight stadia = 130'
Foresight Stadia = 134'
Total Stadia = 264 meters

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks
NOTES BY Bustrum DATE 18 Sept 1964 TIME 1:45-2:55 WEATHER Clear
INDEXED DATE NOTES CHKD C. J. CALLITZ DATE OCT 21 64
INST. NO. 961 ROD NO. 2-19
F.B. 2171 PG. 77

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. 2671 PG. 78 JOB NO. 0301.02

SURVEY OF LA. Co. Precise Level Net

SURVEY BY E. Brook NOTES M. Bustrum

INDEXED C. J. GALLI DATE

WEATHER Clear INST. NO. 96716

TIME 2105-2115 ROD NO. 9-18

NOTES CHKD. DATE OCT 21 '68

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS From BM 5-71 To BM 5-72
BM 5-71									BM 5-71 (Tidal 11) 22nd St. (N. side) 193 ft E. of Miner St. See F.B. 3701-161 K. M. Kapp
1	56	900	357	5 70 42 28	159	238	460	5 173 145 28	
2	154	914	455	5 183 125 58 86	141	321	442	5 168 114 54 82	
3	127	550	428	5 150 104 46 132	105	970	406	5 130 80 50 132	
	339	364			406	529			
BM 5-72									BM 5-72 (Tidal 10) S. end of Signal St. Viaduct. See F.B. 3701-163

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

Total Backsights = + 339.364'
Total Foresights = − 406.529'
Diff. Elev. = − 67.165'

Backsight stadia = 132'
Foresight Stadia = 132'
Total Stadia = 264' 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 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. F. Brooks WEATHER Clear F.B. 3771 PG. 79

NOTES BY M. BUSTRUM DATE 18 Sept 64 TIME 2:50-3:15 INST. NO. 961 ROD NO. 978

INDEXED DATE NOTES CHKD. C. J. GALL DATE Oct 21 '64

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 5-71 TO BM 5-70
BM5-71													BM 5-71 (Tidal 11) 22 No 5th. (N. Side) 173 ± Ft. E. of MINER. St. See FB 3701-161
1.	66	482	367	5	87 / 45	42	157	961	453	5	172 / 132	40	
2.	160	218	461	5	180 / 140	40 / 82	161	100	462	5	182 / 140	42 / 82	A KAPP
3.	159	441	460	5	182 / 136	46 / 128	162	488	463	5	186 / 138	46 / 130	
4.	182	120	483	5	215 / 149	66 / 194 ✓	130	035	431	5	164 / 96	68 / 198 ✓	
	568	261 ✓					606	584 ✓					
BM5-70													BM 5-70 (Tidal 12) W. of Sampson way under Signal St. Vid Duct. See F.B. 3701-159

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

Total Backsights = + 568.261 ✓
Total Foresights = − 606.584 ✓
Diff. Elev. = − 38.323 ✓

Backsight stadia = 194 ✓
Foresight Stadia = 198 ✓
Total Stadia = 392 ✓ 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.

INST. NO. 96 716 ROD NO. 8-14 DATE OCT 21 '64

WEATHER Clear TIME 3:15-3:30 NOTES CHKD. [illegible]

F.B. 1871 Pg. 80 JOB NO. 3301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY E. E. Brooks NOTES M. Bostwick

INDEXED C. J. Gill DATE

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) W. of Sampson Way under Simpson St. Viaduct See F.B. 3701-159
1	~~127~~	~~140~~	~~428~~ 5	~~160~~ ~~44~~ ~~66~~	~~178~~	~~523~~	~~479~~ ~~5~~	~~212~~ ~~194~~ ~~66~~	
	128	329	429 5	162 96 68	179	892	480 5	212 196 66	
2	163	340	464 5	187 137 48 116	164	042	465 5	187 141 46 112	
3.	166	131	467 5	196 146 40 156	162	411	463 5	183 141 42 159	T K. M. Kapp
4.	153	568	454 5	172 134 38 194	66	795	367 5	87 45 42 196	
	611	368			573	140			
BM 5-71									BM 5-71 (Tidal 11) 2nd St. (N side) 173 ft. E. of Miner St. See F.B. 3701-161

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

Total Backsights = + 611.368
Total Foresights = − 573.140
Diff. Elev. = + 38.228

Backsight stadia = 194
Foresight Stadia = 196
Total Stadia = 390 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 CALLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks
NOTES BY M. Bostrum DATE 9-21-64 WEATHER Overcast INST. NO. 2671
TIME 7:00-8:10 ROD NO. 8-19
INDEXED DATE NOTES CHKD. C. J. GALLI DATE OCT 21 64
F.B. 2871 PG. 91

STATION	BACKSIGHT Right	Mic.	Left.		Stadia		FORESIGHT Right	Mic.	Left.		Stadia		DESCRIPTION AND REMARKS
													From BM 5-70 To BM 5-69
BM 5-70													BM 5-70 (Tidal 12) W. of Sampson Way under Signal St. Via Duct. See FB 3701-159
1	214	300	515	5	229 / 199	30	212	318	513	5	226 / 198	28	
2	116	051	417	5	142 / 90	54 / 82	197	962	498	5	226 / 168	58 / 56	
3	155	906	456	5	182 / 128	54 / 136	154	491	455	5	179 / 129	50 / 136	K.M.K. 2pp
4	154	863	455	5	169 / 139	30 / 166	91	168		5	106 / 96	30 / 166	Steel tape used
	640	620					655	939					
BM 5-69													BM 5-69 (Tidal 49) 0.4 mi. S'ly of 6th St., W. side of R.R. yard. See F.B. 3701-157

Summation of Run
From B.M. 5-70
To B.M. 5-69

Total Backsights = + 640.620'
Total Foresights = − 655.939'
Diff. Elev. = −15.319'

Backsight stadia = 166'
Foresight Stadia = 166'
Total Stadia = 332' 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.

F.B. 2871 Pg. 82 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY F. E. Brooks NOTES M. Bustrum

INDEXED A. J. Cantu DATE

WEATHER Clear INST. NO. 96716

TIME 2:50-3:10 ROD NO. 9-19

NOTES CHKD KPM DATE OCT 21 '64

STATION	BACKSIGHT Right	Mic.	Left.	Stadia	FORESIGHT Right	Mic.	Left.	Stadia	DESCRIPTION AND REMARKS From BM5-69 To BM5-70
BM5-69									BM5-69 (Tidal 49) 0.4 mi. S'ly of 8th St. W. side of R.R. yard. See F.B. 3701-157
1.	88	562		104 16 88 32	153	245	454	5 169 137 32	
2.	157	655	458	5 182 132 50 82	157	139	458	5 182 132 50 82	T K. M. Kapp
3.	203	120	504	5 234 172 62 44	172	650	473	5 177 145 54 36	
4.	159	746	460	5 170 148 22 166	110	668	411	5 125 95 30 166	
	609	083			593	702			
BM5-70									BM5-70 (Tidal 12) W. of Sampson Way under Signal St. Viaduct. See F.B. 3701-159

Summation of Run
From B.M. 5-69
To B.M. 5-70

Total Backsights = + 609.083
Total Foresights = − 593.702
Diff. Elev. = + 15.381

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

208 3-61

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brook
NOTES BY M. Bustrum DATE 9-21-66 WEATHER Clear Cool
TIME 8:15 - 7:30 INST. NO. 267
ROD NO. 718
INDEXED DATE NOTES CHKD. G. J. GALL DATE
F.B. 2811 PG. 63

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													From BM 5-69 To BM 5-68
BM 5-69													BM 5-69 (Tidal 49) 0.4 mi. S'ly of 6th st. W. side of R.R Yard. See FB 3701-157
1	88	272		5	100 76	24	172	817	473	5	184 160	24	
2	163	939	464	5	188 138	50 74	148	755	449	5	174 122	52 76	
3.	149	140	450	5	178 120	58 132	159	941	460	5	188 130	58 134	T K. M. Kapp
4.	161	741	462	5	183 139	44 176	51	369	352	5	72 30	42 176	Steel tape used on #1 Backsight.
	563	092					532	882					
BM 5-68													BM 5-68 (Tidal 36) 0.2 mi S'ly of 6th st. on the W. side of R.R yard See F.B. 3701-155

Summation of Run
From B.M. 5-69
To B.M. 5-68

Total Backsights = + 563.092
Total Foresights = − 532.882
Diff. Elev. = + 30.210

Backsight stadia = 176'
Foresight Stadia = 176'
Total Stadia = 352 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.

INST. NO. 96176 ROD NO. 9-19 DATE OCT 21 '96
WEATHER Clear TIME 12:30 - 1:30 NOTES CHKD KK

F.B. 2871 PG. 84 JOB NO. 0301.02
SURVEY OF LA. Co. Precise Level Net
SURVEY BY F. E. Brooks NOTES M. Bostrum
INDEXED G. J. GALL DATE

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM BM 5-68 TO BM 5-69
BM 5-68									BM 5-68 (Tidal 36) 0.2 m. S'ly of 6th St. on W. side of R.R. yard. See F.B. 3701-155
1.	52	120	353 5	74 30 44	161	872	462 5	183 139 44	
2.	160	800	461 5	189 130 58 102	157	618	458 5	186 128 58 102	A K. M. Kapp
3.	154	049	455 5	160 128 52 154	157	129	458 5	183 131 52 154	
4.	162	609	463 5	172 152 20 174	83	408		95 12 X 2 83 24 178	
	529	578			560	047			
BM 5-69									BM 5-69 (Tidal 49) 0.4 m. S'ly of 6th St. on W. side of R.R. yard. See F.B. 3701-157

Summation of Run
From B.M. 5-68
To B.M. 5-69

Total Backsights = + 529.578
Total Foresights = − 560.047
Diff. Elev. = − 30.469

Backsight stadia = 174
Foresight Stadia = 178
Total Stadia = 352 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 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
NOTES BY M. BUSTILLO DATE 9-23-64 WEATHER Clear
TIME 9:30-9:50 INST. NO. 2612
ROD NO. 8-12
INDEXED DATE NOTES CHKD C. J. GALLI DATE
F.B. 2871 PG. 84

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 5-69 TO BM 5-68
BM 5-69													BM 5-69 (Tidal 49) 0.4 mi S/y of 6th St. on W. side of R.R. yard See F.B. 3701-157
1	82	085			94 12 82	22 24	168	708	469	5	180 156	24	
2	163	708	464	5	187 139	48 72	146	491	444	5	172 120	52 76	T K. M. Kapp
3	155	440	456	5	182 128	54 126	164	640	465	5	188 140	48 124	
4	160	330	461	5	185 135	50 176	51	490	352	5	76 26	50 174	
	561	583					531	329					
BM 5-68													BM 5-68 (Tidal 3f) 0.2 mi S/y of 6th St. on W. side of R.R. Yard. See F.B. 3701-155

Summation of Run
From B.M. 5-69
To B.M. 5-68

Total Backsights = + 561.583'
Total Foresights = − 531.329'
Diff. Elev. = + 30.254'

Backsight stadia = 176'
Foresight Stadia = 174'
Total Stadia = 350' meters

F.B. 2671 Pg. 840 JOB NO.

SURVEY OF

SURVEY BY NOTES

INDEXED C. J. GALLI DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD DATE

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

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

76P526 CE # 308 3-61

PLEASE RETURN TO
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.

STATION	BACKSIGHT Right	Mic.	Left.		Stadia		FORESIGHT Right	Mic.	Left.		Stadia	
BM 5-68												
1	52	193	353	5	81 23	58	162	690	403	5	192 132	60
2	197	183	498	5	224 170	54 112	135	411	436	5	162 108	54 114
3	182	241	483	5	209 155	54 166	141	142	442	5	164 118	46 160
4	223	237	524	5	256 190	66 232	148	108	449	5	181 115	66 226
5	157	521	458	5	182 132	50 282	135	330	436	5	161 109	52 278
6	189	961	490	5	215 163	52 334	129	909	430	5	155 103	52 330
7	177	300	478	5	205 149	56 390	170	628	471	5	201 139	62 392
8	1179	636					1023	218				
BM 5-67A												

DESCRIPTION AND REMARKS

From BM 5-68 To BM 67A

BM 5-68 (7 Jul 21 36)
0.2 mi. S'ly of 6th St.
on the W side of R.R.
yard.
See F.B. 3701-155

K.M. Kapp

Summation of Run
From B.M. 5-68
To B.M. 5-67A

Total Backsights = + 1179.636
Total Foresights = − 1023.218
Diff. Elev. = + 156.418

BM 5-67A
Harbor B'lvd at 2nd St.
See F.B. 3701-153

Backsight stadia = 390
Foresight Stadia = 392
Total Stadia = 782 meters

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks
NOTES BY M. Bustrum DATE 9-21-64 WEATHER overcast
TIME 9:40-10:10 INST. NO 2611
ROD NO 272
INDEXED DATE
NOTES CHKD C. J. GALL DATE 8-1-64
F.B. 2611 PG. 85

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. 1871 Pg. 86 JOB NO. 6721.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES M. Bustamante
INDEXED C. J. Gallo DATE
WEATHER Clear INST. NO. 9-716
TIME 1:50 - 2:25 ROD NO. 9-19
NOTES CHKD. WEM DATE OCT 21 '64

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM BM 5-67A TO BM 5-68
BM 5-67A									BM 5-67A Harbor Blvd at 2nd St. see F.B. 3701-153
1	171	765	472 5	201 141 60	177	744	478 5	206 148 58	
2	137	920	432 5	156 106 50 110	191	091	492 5	218 164 54 112	T Kopp
3	135	261	436 5	160 110 50 160	159	010	460 5	185 133 52 164	
4	149	930	450 5	187 116 66 226	232	286	533 5	265 199 66 230	Summation of Run From B.M. 5-67A To B.M. 5-68
5	142	111	443 5	166 118 48 274	177	380	478 5	204 150 54 284	
6	131	411	432 5	161 101 60 334	191	896	492 5	216 166 50 334	Total Backsights = + 1027.546 ✓
7	165	648	466 5	194 136 58 392	54	481	355 5	83 25 58 392	Total Foresights = − 1183.885 ✓
	1027	546	✓		1183	885	✓		Diff. Elev. = − 156.339 ✓
BM 5-68									BM 5-68 (Tidal 36) 0.2 mi. S/W of 6th St. on W. side of R.R. yard see F.B. 3701-155
									Backsight stadia = 392 ✓
									Foresight Stadia = 392 ✓
									Total Stadia = 784 ✓ 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 CALLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

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

SURVEY BY L. E. Brooks

NOTES BY M. Bostwick DATE 2-21-64 WEATHER Overcast INST. NO. 2671

TIME 10:15 - 10:45 ROD NO. 2-19

INDEXED DATE NOTES CHKD. C. J. Gray DATE 11-21-64

F.B. 2671 PG. 87

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM5-67A TO BM5-66A
BM5-67A													BM 5-67A Harbor Blvd at 2nd St. See FB 3701-153
1	214	449	515	5	242 186	56	139	541	440	5	167 111	56	
2	171	350	472	5	197 145	52 108	162	493	463	5	187 137	50 106	T K. M. Kepp
3	146	970	447	5	170 122	48 156	173	330	474	5	198 148	50 156	
4.	139	807	440	5	164 114	50 206	169	462	470	5	196 142	54 210	Summation of Run From B.M. 5-67A To B.M. 5-66A
5	144	700	445	5	170 118	52 258	174	078	475	5	199 149	50 260	
6	145	512	446	5	150 120	50 308	175	500	476	5	200 150	50 310	Total Backsights = + 1241.728' Total Foresights = − 1305.796' Diff. Elev. = − 64.068'
7	137	870	438	5	163 111	52 360	177	030	478	5	204 150	54 364	
8	141	070	442	5	167 115	52 412	134	362		5	134 25+2 109	50 414	* Steel tape used
	1241	728					1305	796					
BM5-66A													BM 5-66A (USC&GS F970) Harbor Blvd at the Vincent Thomas Bridge See F.B. 3701-151

Backsight stadia = 412'
Foresight Stadia = 414
Total Stadia = 826 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.

INST. NO. 26176 ROD NO. 5-19 DATE OCT 21 '64

WEATHER Clear TIME 16:55 NOTES CHKD. [illegible]

STATION	BACKSIGHT Right	Mic.	Left.	Stadia	FORESIGHT Right	Mic.	Left.	Stadia	DESCRIPTION AND REMARKS
									FROM BM 5-66A TO BM 5-67A
BM 5-66A									BM 5-66A (USC&GS F990) Harbor Blvd. at the Vincent Thomas Bridge See F.B. 3701-151
1	109	420	5	109 25 XZ 84 50	115	775	46 5	140 90 50	
2	179	855	4785	205 149 56	140	079	441 5	166 114 52	
3	179	789	450 5	206 106 154 50			5	102	Steel Tape used for backsight
4									Summation of Run From B.M. 5-66A To B.M. 5-67A
5									
6									Total Backsights = +
7									Total Foresights = −
8									Diff. Elev. =
									Backsight stadia =
									Foresight Stadia =
									Total Stadia =
BM 5-57A									BM 5-57A Harbor Blvd at 2nd St. See F.B. 3701-153

VOID

See Pg 88A

F.B. 2871 Pg. 88 JOB NO. 3701.02 LA. Co. Precise Level Net

SURVEY OF F. E. Brooks

SURVEY BY C. J. GALLI NOTES Miles Fyvin

INDEXED DATE

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks
NOTES BY MS Smith
DATE 9-22-61
WEATHER Clear
TIME 1:20-1:50
INST. NO. 8571
ROD NO. 2-12
INDEXED
DATE
NOTES CHKD C. J. GALLI
DATE
F.B. 2871 Pg. 66A

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA	DESCRIPTION AND REMARKS
											FROM BM 5-66A TO BM 5-67A
BM 5-66A											BM 5-66A (USC&GS. F 970) Harbor Blvd at the Vincent Thomas Brid See FB 3701-151 T. Kapp steel tape used for Back sight
1	108	705		5	108 / 83 / 25 / 50	115	140	416	5	140 / 90 / 50	
2	178	303	479	5	205 / 151 / 54	140	358	441	5	166 / 114 / 52	
3	179	771	480	5	204 / 154 / 50 / 104	148	620	449	5	173 / 123 / 50 / 102	
4	174	040	475	5	200 / 148 / 52 / 154	145	530	446	5	170 / 120 / 50 / 152	
5	172	838	473	5	198 / 146 / 52 / 206	141	759	442	5	167 / 115 / 52 / 202	
6	173	500	474	5	198 / 148 / 50 / 258	146	615	447	5	171 / 121 / 50 / 254	
7	160	972	461	5	184 / 136 / 48 / 308	170	570	471	5	196 / 144 / 52 / 304	
8	141	833	442	5	169 / 113 / 56 / 356	217	209	518	5	244 / 190 / 54 / 356	
	1289	962			412	1225	601			410	
BM 5-67A											BM 5-67A Harbor Blvd at 2nd St. See F.B. 3701-153

Summation of Run
From B.M. 5-66A
To B.M. 5-67A

Total Backsights = + 1289.962
Total Foresights = − 1225.601
Diff. Elev. = + 64.361

Backsight stadia = 412'
Foresight Stadia = 410'
Total Stadia = 822' meters

F.B. 2871 Pg. 88B JOB NO.

SURVEY OF

SURVEY BY NOTES

INDEXED C. J. GALLI DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD DATE

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

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

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

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

SURVEY BY E. E. Brooks WEATHER Overcast INST. NO. 2672

NOTES BY M. Bustrum DATE 8-21-64 TIME 10:50-11:35 ROD NO. 2712

INDEXED DATE NOTES CHKD. C. J. [illegible] DATE [illegible]

F.B. 2877 Pg. 89

STATION	BACKSIGHT Right	Mic.	Left.		Stadia		FORESIGHT Right	Mic.	Left.		Stadia		DESCRIPTION AND REMARKS
													From BM 5-66A To BM 5-~~84~~ 65B
BM5-66A													BM 5-66A (U.S.C.&G.S. F 990)
1	76	352			91 / 61	30	154	200	455	5	170 / 138	32	Harbor BLVD at the Vincent THOMAS BRIDGE.
2	157	141	458	5	177 / 137	40 / 70	152	965	453	5	172 / 132	40 / 72	
3	136	542	437	5	167 / 105	52 / 122	142	932	443	5	172 / 112	50 / 122	See FB 3701-151
4	182	610	483	5	208 / 156	52 / 174	152	999	453	5	178 / 126	52 / 174	Steel tape used on #1 Back sight
5	169	160	470	5	195 / 143	52 / 226	150	031	451	5	178 / 122	56 / 230	T. K. M. Kapp
6	162	060	463	5	188 / 136	52 / 278	188	740	489	5	213 / 163	50 / 280	
7	166	567	467	5	192 / 140	52 / 330	141	930	442	5	167 / 115	52 / 332	
8	156	015	457	5	166 / 146	20 / 350	189	520	490	5	198 / 180	18 / 350	
	1206	507 ✓					1273	117 ✓					
BM 5-~~84~~ 65B													BM 5-~~84~~ 65B Front St. and Knoll Ave. See F.B. 3701-149

Summation of Run
From B.M. 5-66A
To B.M. 5-~~84~~ 65B

Total Backsights = + 1206.507
Total Foresights = − 1273.117
Diff. Elev. = − 66.610

Backsight stadia = 350
Foresight Stadia = 350
Total Stadia = 700 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.

F.B. 2871 PG. 90 JOB NO. 2-3-1.02 INST. NO. 61176
SURVEY OF L.A. Co. Precise Level Net ROD NO. 9-19
SURVEY BY E. Brooks NOTES M. Bis Fwin DATE OCT 21 '64
INDEXED C. J. GALLI DATE
WEATHER Clear
TIME 11:20 - 11:50
NOTES CHKD

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM BM 5-~~64~~ 65B TO BM 5-66A
BM 5-~~64~~ 65B									BM 5-~~64~~ 65B Front St. and Knoll Ave. See F.B. 3701-149
1	190	609	491 5	198 182 16	157	060	458 5	166 148 18	
2	143	143	444 5	168 118 50 66	168	953	469 5	194 142 52	T R. M. Kapp
3	192	538	493 5	218 166 52 118	164	868	465 5	189 139 50 70 120	
4	151	602	452 5	179 123 56 174	170	820	471 5	196 144 52 172	Summation of Run From B.M. 5-~~64~~ 65B To B.M. 5-66A
5.	155	465	456 5	181 129 52 226	165	648	486 5	211 159 52 224	Total Backsights = + 1299.585 ✓
6.	144	710	445 5	174 114 60 286	144	716	450 5	180 118 62 286	Total Foresights = − 1233.217 ✓
7.	164	550	465 5	183 145 38 324	157	550	458 5	177 137 40 326	Diff. Elev. = + 66.368 ✓
8.	156	968	457 5	177 140 32 356	78	602		93 63 30 356	Backsight stadia = 356 ✓
	1299	585 ✓			1233	217 ✓			Foresight Stadia = 356 ✓
									Total Stadia = 712 meters
BM 5-66A									BM 5-66A (USC&GS F970) Harbor Blvd at Vincente Thomas Bridge See F.B. 3701-151
									Steel tape used

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 L. E. Brooks

NOTES BY McBurstrum DATE 9-21-64 WEATHER Overcast INST. NO. 26716

TIME 11:30 - 11:50 ROD NO. 2-19

INDEXED DATE NOTES CHKD. C. J. GALLI DATE Oct 21 64

F.B. 3701 Pg. 91

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													FROM BM 5-~~64~~ 65B TO BM 5-65A
BM 5-~~64~~ 65B													BM 5-~~64~~ 65B FRONT St. and KNOLL Ave. See FB 3701-149
1	192	240	483	5	215 169	44	157	335	458	5	180 134	46	
2	155	935	456	5	181 129	52 98	169	278	470	5	197 141	56 102	TT K.M.K app
3	142	399	443	5	167 117	50	166	850	467	5	190 142	48 150	
4	196	308	449	5	170 ~~164~~ 124	46 ~~46~~ 194	203	870	504	5	226 180	46 196	
5	636	882					697	333					
BM 5-65A													BM 5-65A Pacific Ave at Mira-Flores Ave See F.B. 3701-147

Summation of Run
From B.M. 5-~~64~~ 65B
To B.M. 5-65A

Total Backsights = + 636.882'
Total Foresights = − 697.333'
Diff. Elev. = −60.451'

Backsight stadia = 194'
Foresight Stadia = 196'
Total Stadia = 390' 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.

F.B. 2871 PG. 97 JOB NO. C3C1.C2

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY E. Brooks NOTES W. Bustrum

INDEXED C. J. GALLI DATE

WEATHER Clear INST. NO. 9-16

TIME 11:05-11:20 ROD NO. 9-19

NOTES CHKD DATE OCT 21 '64

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM BM 5-65A TO BM 5-~~84~~ 65B
BM 5-65A									BM 5-65A Pacific Ave at Nina Flores Ave See F.B. 3701-147
1	206	695	507	5	144	910	450	5	229 183 46 / 171 127 44
2	169	612	470	5	144	150	445	5	193 145 48 94 / 168 120 48 97
3	170	205	471	5	155	259	456	5	198 142 56 150 / 181 129 52 144
4	158	492	459	5	195	332	496	5	179 137 42 192 / 220 170 50 194
	765	004			644	651			
BM 5-~~84~~ 65B									BM 5-~~84~~ 65B Front St. and Knoll Ave See F.B. 3701-149

Summation of Run
From B.M. 5-65A
To B.M. 5-~~84~~ 65B

Total Backsights = + 765.004
Total Foresights = − 644.651
Diff. Elev. = + 60.353

Backsight stadia = 192
Foresight Stadia = 194
Total Stadia = 386 meters

T R. M. Kapp

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

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

SURVEY BY E. E. Brooks WEATHER clear

NOTES BY M. Bystrom DATE 9-21-62 TIME 1:05 INST. NO. 26274

INDEXED DATE NOTES CHKD C. J. GALL DATE ROD NO. 9-19

F.B. 3871 Pg. 93

STATION	BACKSIGHT Right	Mic.	Left.		Stadia		FORESIGHT Right	Mic.	Left.		Stadia		DESCRIPTION AND REMARKS
													From BM 5-65A To BM 5-64
BM5-65A													BM 5-65A Pacific Ave at Mint Flores Ave.
1	185	655	486	5	209 161	48	194	060	495	5	218 170	48	
2	162	278	463	5	189 135	54 102	146	422	447	5	170 122	48 96	See FB 3701-147
3	159	204	460	5	183 135	48 150	113	400	414	5	140 86	54 150	" K. M. Kapp
	507	137					453	882					
BM-5-64													BM 5-64 (USC&GS C615) Pacific Ave at Battery St. See F.B. 3701-145

Summation of Run
From B.M. 5-65A
To B.M. 5-64

Total Backsights = + 507.137'
Total Foresights = − 453.882'
Diff. Elev. = + 53.255'

Backsight stadia = 150'
Foresight Stadia = 150
Total Stadia = 300 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.

INST. NO. 9176 ROD NO. 215 DATE OCT 2 1 '64

WEATHER Clear TIME 0:45-11:00 NOTES CHKD. [illegible]

STATION	BACKSIGHT Right	Mic.	Left	Mic.	Stadia	FORESIGHT Right	Mic.	Left	Mic.	Stadia	DESCRIPTION AND REMARKS From BM 5-64 To BM 5-65A
BM 5-64											BM 5-64 (USC&GS C115) Pacific Ave at Bathen St. See F.B. 3701-145
1	116	662	447	5	142 90 52	162	277	463	5	188 136 52	
2	145	320	446	5	169 121 48 100	159	539	460	5	186 132 54 106	T K.M. Kapp
3	190	092	491	5	216 164 52 152	183	609	484	5	206 160 46 152	
	452	074				505	425				
BM 5-65A											BM 5-65A Pacific Ave and Mirasflores Ave See F.B. 3701-147

Summation of Run
From B.M. 5-64
To B.M. 5-65A

Total Backsights = + 452.074
Total Foresights = − 505.425
Diff. Elev. = − 53.351

Backsight stadia = 152
Foresight Stadia = 152
Total Stadia = 304 meters

F.B. 3871 PG. 94 JOB NO. 030.02

SURVEY OF LA Co. Precise Level Net

SURVEY BY E. E. Brooks NOTES M. Bustamante

INDEXED C. J. GALLI DATE

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	Mic.	Left.		Stadia		FORESIGHT Right	Mic.	Left.		Stadia	
BM5-64												
1	95	440	396	5	116 / 74	42	178	540	479	5	200 / 156	44
2	158	380	454	5	184 / 132	52	139	210	440	5	163 / 115	48
3	237	100	538	5	256 / 218	94 / 38 / 132	166	789	467	5	185 / 147	92 / 38 / 130
4	176	565	477	5	202 / 150	52 / 184	155	544	456	5	184 / 126	58 / 188
5	170	171	471	5	198 / 142	56 / 240	131	288	432	5	157 / 105	52 / 240
6	172	638	473	5	197 / 147	50 / 290	132	120	433	5	158 / 106	52 / 292
7	186	941	488	5	214 / 160	54	154	359	455	5	180 / 128	52 / 344
8	186	662	487	5	210 / 162	48 / 392	88	230	389	5	112 / 64	48 / 392
9	183	414	484	5	195 / 171	24 / 416	91	150	392	5	104 / 78	26 / 418
	1567	311					1237	230				
BM5-61												

DESCRIPTION AND REMARKS

FROM BM 5-64 TO BM5-61

BM 5-64 (U.S.C.&G.S. C-615)
Pacific Ave. at
Battery St.
See FB 3701-145

T. K. M. Kapp

Summation of Run
From B.M. 5-64
To B.M. 5-61

Total Backsights = + 1567.311
Total Foresights = − 1237.230
Diff. Elev. = +330.081

Backsight stadia = 416
Foresight Stadia = 418
Total Stadia = 834 meters

BM 5-61
Gaffey St. 0.1 mi. S'ly of
Westmont Dr.

See FB 3701-143

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY M. Rustrum DATE 9-31-64 WEATHER Clear INST. NO. 261
NOTES BY TIME 1:25-2:00 ROD NO. 217
INDEXED DATE NOTES CHKD C. J. Gall DATE OCT 21 64
F.B. 3511 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.

F.B. 3871 PG. 96 JOB NO. 0331.02

SURVEY OF E.A. Co. Precise Level Net

SURVEY BY E. E. Brooks NOTES M. Bustamante

INDEXED C. J. GALLI DATE

WEATHER Clear INST. NO. 96716

TIME 10:10 - 10:40 ROD NO. 9-19

NOTES CHKD. DATE OCT 21 '64

STATION	BACKSIGHT Right	Mic.	Left.	Stadia	FORESIGHT Right	Mic.	Left.	Stadia	DESCRIPTION AND REMARKS From BM 5-61 To BM 5-64
BM 5-61									BM 5-61 Pattey St. 0.1 mi. S/y of Westmont Dr. See FB. 3701-143
1.	94	331	395 5	107 81 26	187	788	488 5	199 175 24	
2.	92	210	393 5	117 67 50 76	184	695	485 5	208 160 48	T K.M. Kapp
3.	149	059	450 5	175 123 52 128	190	860	491 5	217 163 54 126	
4.	138	008	439 5	164 112 52 180	174	348	475 5	199 149 50 176	Summation of Run From B.M. 5-61 To B.M. 5-64
5.	133	700	434 5	159 107 52 232	172	480	473 5	201 143 58 234	
6.	157	072	458 5	185 129 56 288	171	788	472 5	197 145 52 286	Total Backsights = + 1226.577 ✓
7.	154	900	455 5	173 135 38 326	224	990	525 5	243 205 38 324	Total Foresights = − 1556.960 ✓
8.	129	898	430 5	153 105 48 374	156	241	457 5	182 130 52 376	Diff. Elev. = − 330.383 ✓
9.	177	399	478 5	198 156 42 416	93	820	394 5	114 72 42 418	Backsight stadia = 416 ✓
	1226.577		✓		1556.960		✓		Foresight Stadia = 418 ✓
									Total Stadia = 834 meters
BM 5-64									BM 5-64 (USC&GS C-615) Pacific Ave at Battery St. See FB. 3701-145

308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY R.E. Brooks
NOTES BY M. Bustrum DATE 9-21-64 WEATHER Clear
TIME 2:05-2:25 INST. NO. 8671
INDEXED DATE NOTES CHKD. J. GAULT DATE 10-21-64
ROD NO. 8-19
F.B. 4871 PG. 97

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS FROM BM5-61 TO BM5-58
BM5-61													BM5-61 (U.S.C.&G.S. R 770) Gaffey St. 0.1 mi. S'ly of Westmont Dr. See FB 3701-143
1.	172	992	473	5	196 148	48	97	840	398	5	123 71	52	
2.	219	408	520	5	245 193	52 100	104	686	405	5	128 80	48 100	" K.M. Kapp
3.	149	210	450	5	174 124	50 150	165	596	466	5	188 142	46 146	
4.	143	818	444	5	167 119	48 198	157	429	458	5	182 132	50 196	
5.	146	680	447	5	165 127	38 236	116	819	417	5	133 99	34 230	
	832	108					642	364					
BM5-58													BM5-58 (US C&GS U 770) Gaffey St. Approx 1.1 mi. S'ly of Anaheim St. See FB 3701-141

Summation of Run
From B.M. 5-61
To B.M. 5-58

Total Backsights = + 832.108
Total Foresights = − 642.364
Diff. Elev. = + 189.744

Backsight stadia = 236
Foresight Stadia = 230
Total Stadia = 466 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.

F.B. 2871 PG. 98 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES M. Bustamante
INDEXED C. J. GALLI DATE
WEATHER Clear INST. NO. 2176
TIME 9:45-10:05 ROD NO. 2-18
NOTES CHKD. DATE 11 21 84

STATION	BACKSIGHT Right Mic.	Left	Stadia	FORESIGHT Right Mic.	Left	Stadia	DESCRIPTION AND REMARKS From BM5-58 To BM5-61
BM5-58							BM5-58 (USC&GS V770) Gaffey St. aprox 1.1 mi. S'ly of Anaheim St. See F.B. 3701-141
1	116 751	417 5	134 98 36	150 030	451 5	168 132 36	
2	160 250	462 5	186 136 50 86	150 650	451 5	175 125 50 86	T K. M. Kipp
3	168 950	469 5	193 145 48 134	150 045	451 5	175 125 50 136	
4	106 648	407 5	131 81 50 184	219 960	520 5	244 194 50 186	
5	101 620	402 5	127 75 52 236	174 108	475 5	178 156 48 234	
	655 219			844 793			
BM5-61							BM5-61 (USC&GS R770) Gaffey St. 0.1 mi. S'ly of Westmont Dr. See F.B. 3701-143

Summation of Run
From B.M. 5-58
To B.M. 5-61

Total Backsights = + 655.219
Total Foresights = − 844.793
Diff. Elev. = −189.574

Backsight stadia = 236
Foresight Stadia = 234
Total Stadia = 470 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 CALLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

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

SURVEY BY F. E. Brooks WEATHER Clear INST. NO. 2871

NOTES BY R. Bristman DATE 9-21-64 TIME 2:30-2:40 ROD NO. 2-19

INDEXED DATE NOTES CHKD. C. J. GAL DATE 9/22/64

F.B. 2871 PG. 99

STATION	BACKSIGHT Right	Mic.	Left.		Stadia		FORESIGHT Right	Mic.	Left.		Stadia		DESCRIPTION AND REMARKS
													From BM 5-58 To BM 5-57
BM 5-58													BM 5-58 (U.S.C&G.S. V-770) Gaffey St. Approx 1.1 mi. S'ly of Anaheim St.
1.	108	963	409	5	128 20 108 22	40	167	568	468	5	187 145	44	
2.	157	819	458	5	170 144	26 66	129	070	430	5	141 117	24 68	See FB 3701-141
	266.782						296.638						TT K.M. Kapp
BM 5-57													BM 5-57 (U.S.C&G.S. V-770) Gaffey St. 1.0 mi. S'ly of Anaheim St.
													See FB 3701-139

Summation of Run
From B.M. 5-58
To B.M. 5-57

Total Backsights = + 266.782
Total Foresights = − 296.638
Diff. Elev. = ~~− 29.856~~
− 29.856

Backsight stadia = 66
Foresight Stadia = 68
Total Stadia = 134' 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.

INST. NO. 26716 ROD NO. 9-19 DATE OCT 21 '64

WEATHER Clear TIME 9:35-9:40 NOTES CHKD. [illegible]

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM 5-57 TO BM 5-58
BM 5-57									BM 5-57 (USC&GS V770 Gaffey St. 1.0 mi S'ly of Anaheim St. See F.B. 3701-139
1	130	800	431 5	143 117 26	156	080	457 5	169 143 26	
2	161	990	462 5	183 139 44 70	196	940	407 5	126 106 20×2 40 66	T K.M. Kopp
	292	790			263	020			
BM 5-58									BM 5-58 (USC&GS U770) Gaffey St. 1.1 mi S'ly of Anaheim St. See F.B. 3701-141

Summation of Run
From B.M. 5-57
To B.M. 5-58

Total Backsights = + 292.790
Total Foresights = − 263.020
Diff. Elev. = + 29.770

Backsight stadia = 70
Foresight Stadia = 66
Total Stadia = 136 meters

F.B. 3871 Pg. 100

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY E. Brooks NOTES M. Bustamante

INDEXED C. J. GALLI DATE

JOB NO. 0301.02

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. L. Brock
NOTES BY M. Bustrum DATE 9-21-64 WEATHER clear
TIME 2:45-2:55 INST. NO. 267
ROD NO. 8-18
INDEXED DATE NOTES CHKD C. J. GALL DATE SEP 21 '64
F.B. 2871 PG. 101

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM5-57 TO BM5-56
BM5-57													BM5-57 (U.S.C.&G.S. V 770) Gaffey St. 1.0 mi. S'ly of Anaheim St.
1.	113	090	414	5	137 89	48	166	050	467	5	190 142	48	
2.	154	796	455	5	172 136	36 84	146	383	447	5	165 127	38 86	See FB 3701-139
	267.	886					312.	433					T K.M. Kapp
BM5-56													BM5-56 (U.S.C.&G.S. L 770) Gaffey St. 0.9 mi. S'ly of Anaheim St.
													See FB 3701-137

Summation of Run
From B.M. 5-57
To B.M. 5-56

Total Backsights = + 267.886
Total Foresights = − 312.433
Diff. Elev. = − 44.547

Backsight stadia = 84
Foresight Stadia = 86
Total Stadia = 170 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 5-56 TO BM 5-57
BM 5-56													BM 5-56 (USC&GS L 974) Gaffey St. 0.9 mi. S'ly of Anaheim St. See F.B. 3701-137 T. K.M. Kipp
1	145	392	446	5	164 / 126	38	149	050	450	5	167 / 131	36	
2	159	670	460	5	184 / 134	50 / 88	111	661	412	5	135 / 87	48 / 84	
	305	062					260	711					
BM 5-57													BM 5-57 (USC&GS V 970) Gaffey St. 1.0 mi. S'ly of Anaheim St. See F.B. 3701-139

Summation of Run
From B.M. 5-56
To B.M. 5-57

Total Backsights = + 305.062
Total Foresights = − 260.711
Diff. Elev. = + 44.351

Backsight stadia = 88
Foresight Stadia = 84
Total Stadia = 172 meters

WEATHER Clear
TIME 9:30 - 2:35
NOTES CHKD. [illegible]
INST. NO. 9617
ROD NO. 4-14
DATE OCT 21 '64

F.B. 1877 PG. 102
JOB NO. 3701.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks
NOTES M. Bustrum
INDEXED C. J. GALLI
DATE

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

NOTES BY M. Bustrum DATE 9-21-64 WEATHER Clear TIME 3:00-3:10 INST. NO. 2671

INDEXED DATE NOTES CHKD G.J. GALL DATE 11-23-64 ROD NO. 8-19

F.B. 2811 PG. 103

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 5-56 TO BM 5-55
BM 5-56													BM 5-56 (USC&GS L 770) Gaffey St. 0.9 mi. S'ly of Anaheim St.
1.	131	575	432	5	158 / 104	54	171	202	472	5	196 / 146	50	
2.	145	170	446	5	166 / 124	42 / 96	159	540	460	5	180 / 138	42 / 92	See FB 3701-137
3.	142	448	443	5	151 / 133	18 / 114	132	491	433	5	142 / 122	20 / 112	T K.M. Kapp
	419	223					463	233					
BM 5-55													BM 5-55 (U.S.C.&G.S. K 770) Gaffey St. 0.70 mi. S'ly of Anaheim St.
													See FB 3701-135

Summation of Run
From B.M. 5-56
To B.M. 5-55

Total Backsights = + 419.223
Total Foresights = − 463.233
Diff. Elev. = ~~−43.010~~
− 44.010

Backsight stadia = 114
Foresight Stadia = 112
Total Stadia = 226 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.

F.B. 2871 PG. 104 | JOB NO. 0301.02 | SURVEY OF L.A. Co. Precise Level Net | SURVEY BY E. E. Brook NOTES M. Bustrum | INDEXED C. J. GALLI DATE | WEATHER Clear | TIME 9:20 – 9:30 | NOTES CHKD | INST. NO. 2476 | ROD NO. 22 | DATE III 21 64

STATION	BACKSIGHT Right	Mic.	Left.		Stadia		FORESIGHT Right	Mic.	Left.		Stadia		DESCRIPTION AND REMARKS
													From BM 5-55 To BM 5-56
BM 5-55													BM 5-55 (USC&GS K 77[illegible]) Gaffey St. 0.70 mi. S'ly of Anaheim St. See F.B. 3701-135
1.	133	140	434	5	143 / 123	20	150	259	451	5	157 / 141	18	
2.	163	730	464	5	184 / 142	42 / 62	140	918	441	5	162 / 118	44 / 62	
3.	165	928	466	5	189 / 141	48 / 110	127	640	428	5	154 / 100	54 / 116	π K.M. Kapp
	462	798					418	817					
BM 5-56													BM 5-56 (USC&GS K 77[illegible]) Gaffey St. 0.9 mi. S'ly of Anaheim St. See F.B. 3701-137

Summation of Run
From B.M. 5-55
To B.M. 5-56

Total Backsights = + 462.798
Total Foresights = − 418.817
Diff. Elev. = + 43.981

Backsight stadia = 110
Foresight Stadia = 116
Total Stadia = 226 meters

76P526 CE # 306 3-61

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

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

Do not extend notes this side of this line.

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

SURVEY BY L.E. Brooks

NOTES BY M. Rustum DATE 9-21-64 WEATHER clear

INDEXED DATE TIME 3:15-3:25 INST. NO. 2871

NOTES CHKD. C. J. GALLI DATE OCT 21 64 ROD NO. 5-79

F.B. 2871 PG. 105

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													From BM5-55 To BM5-54
BM5-55													BM5-55 (U.S.C.&G.S. K-770) Gaffey St. 0.70 mi. 5' ly of Anaheim St.
1	119	118	420	5	129 / 89	60	163	496	464	5	132 / 134	58	
2	145	349	446	5	167 / 123	44 / 104	156	468	457	5	179 / 133	46	See FB 3701-135
3	139	958	440	5	152 / 126	26 / 130	139	017	440	5	151 / 127	24 / 128	TKM.Kapp
	404	225					468	981					
BM5-54													BM5-54 (USC&GS J 770) Gaffey St. 0.6 mi 5' ly of Anaheim St. See F.B. 3701-137

Summation of Run
From B.M. 5-55
To B.M. 5-54

Total Backsights = + 404.225
Total Foresights = − 458.981
Diff. Elev. = − 54.756

Backsight stadia = 130
Foresight Stadia = 128
Total Stadia = 258 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.

INST. NO. 7614 ROD NO. 9-19 DATE OCT 21 '64

WEATHER Clear TIME 9:25-9:15 NOTES CHKD

F.B. 2871 PG. 106 JOB NO. 0701.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY E. E. Brooks NOTES M. Bustrum

INDEXED C. J. DATE

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 5-54 TO BM 5-55
BM5-54													BM 5-54 (USC&GS STM) Gaffey St. 0.6 mi. S'ly of Anaheim St. See F.B. 3701-135
1	140	840	441	5	153 / 127	26	145	930	446	5	158 / 132	26	
2	155	292	456	5	178 / 132	46 / 72	141	648	442	5	164 / 118	46 / 72	
3	164	567	465	5	193 / 135	58 / 130	118	483	419	5	148 / 88	60 / 132	T K. M. Kapp
	460	699 ✓					406	061 ✓					
BM5-55													BM5-55 (USC&GS K970) Gaffey St. 0.7 mi. S'ly of Anaheim St. See F.B. 3701-135

Summation of Run
From B.M. 5-54
To B.M. 5-55

Total Backsights = + 460.699 ✓
Total Foresights = − 406.061 ✓
Diff. Elev. = + 54.638 ✓

Backsight stadia = 130 ✓
Foresight Stadia = 132 ✓
Total Stadia = 262 ✓ 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.

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

SURVEY BY F. E. Brooks NOTES BY K. M. Kapp DATE 9-23-64 WEATHER Clear TIME 10:20-10:25 INST. NO. 96776 ROD NO. 9-15

INDEXED DATE NOTES CHKD C. J. Gall DATE 10-2-64

F.B. 2871 PG. 107

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM 554 TO BM 5-53
BM 5-54									BM 5-54 (U.S.C.&G.S. J770) Gaffey St., 0.6 mi. S of Anaheim St.
1	123	746	424 5	144 / 102	42	156	891	457 5	178 / 134	44
2	153	198	454 5	180 / 126	54 / 96	173	480	474 5	202 / 144	58 / 102
	276	944				330	371		
									See FB 3701-133
									T Mr. R.R. Rodriguez
BM 5-53									BM 5-53 (U.S.C.&G.S. H770) Gaffey St. at the entr. to the U.S. Navy Fuel Depot See F.B. 3701-131

Summation of Run
From B.M. 5-54
To B.M. 5-53

Total Backsights = + 276.944
Total Foresights = − 330.371
Diff. Elev. = − 53.427

Backsight stadia = 96
Foresight Stadia = 102
Total Stadia = 198 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.

WEATHER Overcast INST. NO. 9776
TIME 11:40 - 11:45 ROD NO. 9-13
NOTES CHKD [illegible] DATE OCT 21 '64

F.B. 2871 PG. 108 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES K. M. Kapp
INDEXED S. J. GALLI DATE

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 5-53 TO BM 5-54
BM 5-53													BM 5-53 (USC&GS H770) Gaffey St. at entrance to US Navy Fuel Depot See F.B. 3701-131
1	165	532	466	5	192 138	54	146	743	447	5	171 122	49	
2	160	387	461	5	184 136	48 102	125	837	426	5	147 103	44 93	
	325	919					272	580					π R.R. Rodriguez
BM 5-54													BM 5-54 (USC&G.S. J-77) Gaffey St. 0.4 mi. S. of Anaheim St. See F.B. 3701-137

Summation of Run
From B.M. 5-53
To B.M. 5-54

Total Backsights = + 325.919
Total Foresights = − 272.580
Diff. Elev. = +53.339

Backsight stadia = 102
Foresight Stadia = 93
Total Stadia = 195
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.

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

SURVEY BY E.E. Brook WEATHER Clear

NOTES BY F.M. Kapp DATE 9-23-64 TIME 10:30-12:45 INST. NO. 2671

INDEXED DATE NOTES CHKD C. J. GALL DATE ROD NO. 9-13

F.B. 2871 PG. 109

STATION	BACKSIGHT Right	Mic.	Left.		Stadia		FORESIGHT Right	Mic.	Left.		Stadia		DESCRIPTION AND REMARKS
													FROM BM 5-53 TO BM 5-52
BM 5-53													BM 5-53 (U.S.C.&G.S. H 770) Gaffey St. at the entrance to the U.S. NAVY Fuel Depot.
1	163	153	464	5	188 / 138	50	180	678	481	5	204 / 156	48	
2	142	553	443	5	166 / 118	48 / 98	167	635	468	5	192 / 142	50 / 98	See FB 3701-131
3	150	193	451	5	175 / 125	50 / 148	138	849	439	5	163 / 113	50 / 148	T R.R. Rodriguez
4	204	355	505	5	228 / 180	48 / 196	125	469	426	5	150 / 100	50 / 198	
5	239	052	540	5	246 / 232	14 / 210	177	602	378	5	84 / 69	15 / 213	
	899	306					690	233					
BM 5-52													BM 5-52 (U.S.C.&G.S. F 770) Gaffey St., 0.2 Mi. S. of Anaheim St. See F.B. 3701-129

Summation of Run
From B.M. 5-53
To B.M. 5-52

Total Backsights = + 899.306
Total Foresights = − 699.233
Diff. Elev. = + 200.073

Backsight stadia = 210
Foresight Stadia = 213
Total Stadia = 423 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.

WEATHER Overcast INST. NO. 96716
TIME 11:20 - 11:35 ROD NO. 9-19
NOTES CHKD. DATE OCT 21 '64

STATION	BACKSIGHT Right	BACKSIGHT Mic.	BACKSIGHT Left.		BACKSIGHT Stadia		FORESIGHT Right	FORESIGHT Mic.	FORESIGHT Left.		FORESIGHT Stadia		DESCRIPTION AND REMARKS
													FROM BM 5-52 TO BM 5-53
BM 5-52													BM 5-52 (USC & GS F-770) Gaffey St. 0.2 mi S. of Anaheim St. See F.B. 3701-129
1	71	220	372	5	79 64	15	232	367	533	5	239 225	14	
2	111	921	412	5	135 86	49 64	193	784	494	5	287 169	48 62	T R.R. Rodriguez
3	138	612	439	5	162 114	48 112	147	144	448	5	172 122	50 112	
4	160	367	461	5	184 136	48 160	128	208	429	5	152 104	48 160	
5	162	043	463	5	186 138	48 208	151	603	452	5	176 126	50 210	
	644	163					853	106					
BM 5-53													BM 5-53 (USC & GS H-770) Gaffey St. at the entrance to the U.S. Navy Fuel Depot. See F.B. 3701-131

Summation of Run
From B.M. 5-52
To B.M. 5-53

Total Backsights = + 644.163
Total Foresights = − 853.106
Diff. Elev. = − 208.943

Backsight stadia = 208
Foresight Stadia = 210
Total Stadia = 418 meters

F.B. 3701 PG. 110 JOB NO. 0301.02
SURVEY OF LA Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES K. M. Kapp
INDEXED C. J. GALLI DATE

026 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 BM 5-52 TO BM 5-51
BM 5-52													BM 5-52 (U.S.C.&G.S. F770) Gaffey St. 0.2 Mi. S. of Anaheim St.
1	269	489 ~~64~~	570	5	279 259	20	26	234	327	5	37 15	22	
2	274	845	575	5	292 256	36 56	16	479	317	5	32 1/2 16	16 32 54	See FB 3701-129
3	298	861	599	5	298 1/2 274	24 48 104	26	983	327	5	50 2	48 102	T R.R. Rodriguez
4	141	133	442	5	145 137	8 112	143	173	444	5	147 139	8 110 ✓	
	984	328 ✓					212	869 ✓					
BM 5-51													BM 5-51 (U.S.C.&G.S. E770) Gaffey St., 0.1 Mi. S.E. of Anaheim St. See F.B. 3701-127

Summation of Run
From B.M. 5-52
To B.M. 5-51

Total Backsights = + 984.328 ✓
Total Foresights = − 212.869 ✓
Diff. Elev. = + 771.459 ✓

Backsight stadia = 112 ✓
Foresight Stadia = 110 ✓
Total Stadia = 222 meters

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E.E. Brooks
NOTES BY K.M. Kepp DATE 9-23-64 WEATHER Clear TIME 10:50-11:10 INST. NO. 2871
INDEXED DATE NOTES CHKD. G. J. GALLI DATE ROD NO. 8-19
F.B. 2871 PG. 111

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Overcast INST. NO. 96716
TIME 11:05-11:15 ROD NO. 9-19
NOTES CHKD. DATE OCT 21 '64

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 5-51 TO BM 5-52
BM 5-51													BM 5-51 (USC&GS E 79[illegible] Gaffey St. 0.1 mi. S. E. of Anaheim St. See F.B. 3701-127
1	143	873	444	5	147 139	8	142	345	443	5	146 138	8	
2	27	524	328	5	51 3	48 56	301	213	602	5	301 112 276	25 50 58	T R.R. Rodriguez
3	21	220	322	5	37 5	32 88	280	962	561	5	298 262	36 94	
4	26	784	327	5	38 14	24 112	266	326	567	5	275 257	18 112	
	219	401					990	846					
BM 5-52													BM 5-52 (USC&GS F 77[illegible] Gaffey St. 0.2 mi. S. of Anaheim St. See F.B. 3701-129

Summation of Run
From B.M. 5-51
To B.M. 5-52

Total Backsights = + 219.401
Total Foresights = − 990.846
Diff. Elev. = − 771.445

Backsight stadia = 112
Foresight Stadia = 112
Total Stadia = 224 meter

F.B. 2871 Pg. 112
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brook NOTES K. M. Kapp
INDEXED C. J. GAGE DATE
JOB NO. 0301.02

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 Clear INST. NO. 9671

NOTES BY F.M. Kapp DATE 9-23-64 TIME 11:15-11:30 ROD NO. 9-19

INDEXED DATE NOTES CHKD G. J. GALL DATE

F.B. 2871 PG. 113

STATION	BACKSIGHT Right	Mic.	Left.		Stadia		FORESIGHT Right	Mic.	Left.		Stadia		DESCRIPTION AND REMARKS
													From BM 5-51 To BM 5-50
BM 5-51													BM 5-51 (US.C.&G.S. E 770) Gaffey St. 0.1 Mi. S. E. of Anaheim St.
1	234	139	535	5	251 217	34	82	650	383	5	97 67	30	
2	222	367	523	5	236 208	28 62	104	435	405	5	118 90	28 58	See FB 3701-127
3	271	973	572	5	273 269	4 66	121	580	422	5	124 118	6 64	↑ R.R. Rodriguez
	728	479					308	665					
BM 5-50													BM 5-50 (US C&GS Z-50) Anaheim St., 425' E. of Gaffey St. See F.B. 3701-125

Summation of Run
From B.M. 5-51
To B.M. 5-50

Total Backsights = + 728.479
Total Foresights = − 308.665
Diff. Elev. = + 419.814

Backsight stadia = 66
Foresight Stadia = 64
Total Stadia = 130 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.

F.B. 2871 PG. 114 JOB NO. 0JCL.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES K. M. Kapp
INDEXED C. J. GALL DATE
WEATHER Overcast INST. NO. 9/71C
TIME 10:50 - 11:00 ROD NO. 8-19
NOTES CHKD. DATE OCT 21 '64

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS FROM BM5-50 TO BM5-51
BM5-50													BM5-50 (U3 C&GS Z-50) Anaheim St., 425' E. of Gaffey St. See F.B. 3701-125
1	136	876	437	5	138 134	4	289	062	590	5	291 287	4	
2	104	254	405	5	118 90	28 32	220	279	521	5	234 206	28 32	T R. R. Rodriguez
3	77	262	378	5	93 61	32 64	228	865	529	5	244 212	32 64	
	318	392					738	206					
BM5-51													BM5-51 (U3 C&GS E 770) Gaffey St. 0.1 mi S. of Anaheim St. See F.B. 3701-127

Summation of Run
From B.M. 5-50
To B.M. 5-51

Total Backsights = + 318.392
Total Foresights = − 738.206
Diff. Elev. = − 419.814

Backsight stadia = 64
Foresight Stadia = 64
Total Stadia = 128 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.

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

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

NOTES BY F.M. Kapp DATE 9-23-64 TIME 11:35-12:00 ROD NO. 9-1

INDEXED DATE NOTES CHKD G. J. GALLI DATE 11-21-64

F.B. 2871 PG. 115

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM 5-50 TO BM 5-49
BM 5-50									BM 5-50 Anaheim St., 425 FT East of Gaffey St.
1	94	999	395 5	121 67 54	173 4	042	477 5 5	202 146 56	
2	138	020	439 5	163 113 50 104	129	337	430 5	154 105 49 105	See FB 3701-125
3	159	577	460 5	181 137 44 148	192	341	493 5	213 170 43 148	T R.R. Rodriguez
4	38	992	339 5	50 26 24 172	254	782	555 5	266 242 24 172	
5	61	710	362 5	73 49 24 196	249	250	550 5	261 237 24 196	
6	58	562	359 5	72 44 28 224	262	192	563 5	276 248 28 224	
7	76	515	377 5	89 63 26 250	165	587	466 5	177 153 24 248	
	628	375			1427	531			
BM 5-49									BM 5-49 Normandie Ave. & Vermont Ave. See F.B. 3701-123

Summation of Run
From B.M. 5-50
To B.M. 5-49

Total Backsights = + 628.375
Total Foresights = − 1427.531
Diff. Elev. = − 799.156

Backsight stadia = 250
Foresight Stadia = 248
Total Stadia = 498 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.

WEATHER Overcast INST. NO. 96716
TIME 10:30-10:50 ROD NO. 9-19
NOTES CHKD. DATE OCT 21 '64

F.B. 2871 PG. 116 JOB NO. 030.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY F.E. Brooks NOTES K.M. Kapp
INDEXED C. J. GALLI DATE

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS FROM BM 5-49 TO BM 5-50
BM 5-49													BM 5-49 Normandie Ave and Vermont Ave. See F.B. 3701-123
1	166	133	467	5	178 154	24	X80	157	381	5	92 68	24	
2	261	711	562	5	275 247	28 52	61	573	362	5	75 48	27 51	T.R.R. Rodriguez
3	252	259	553	5	264 240	24 76	56	847	357	5	68 44	24 75	
4	253	318	554	5	266 240	26 102	49	251	350	5	61 37	24 99	
5	203	208	504	5	224 182	42 144	159	889	460	5	182 136	46 145	
6	135	900	436	5	160 110	50 194	144	087	445	5	169 119	50 195	
7	166	833	467	5	193 139	54 248	88	326	389	5	116 60	56 251	
	1439	362					640	130					
BM 5-50													BM 5-50 Anaheim St. 425 ft. E. of Gaffey St. See F.B. 3701-125

Summation of Run
From B.M. 5-49
To B.M. 5-50

Total Backsights = + 1439.362
Total Foresights = − 640.130
Diff. Elev. = + 799.232

Backsight stadia = 248
Foresight Stadia = 251
Total Stadia = 499 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 CORRECTED 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 9-23-64 WEATHER Clear
TIME 1:25-1:45 INST. NO. 9671
ROD NO. 9-15
INDEXED DATE
NOTES CHKD C. J. GALLI DATE OCT 21 64
F.B. 2871 PG. 112

STATION	BACKSIGHT Right	Mic.	Left	Stadia			FORESIGHT Right	Mic.	Left	Stadia			DESCRIPTION AND REMARKS
													FROM BM 5-49 TO BM 21-68
BM 5-49													BM 5-49 Normandie Ave and Vermont Ave.
1	154	524	455	5	182 126	56	142	673	443	5	170 114	56	
2	217	954	518	5	243 191	52 108	98	993	399	5	124 72	52 108	See FB 3701-123
3	185	342	486	5	208 162	46 154	138	375	439	5	162 114	48 156	T R.R. Rodriguez
4	186	469	487	5	212 160	52 206	142	743	443	5	168 116	52 208	
5	159	736	460	5	174 144	30 236	152	480	453	5	170 134	36 244	
	904	025					675	264					
BM 21-68													BM 21-68 (USC&GS Y780) Pacific Coast Hwy. & Normandie Ave. See F.B. 1391-63

Summation of Run
From B.M. 5-49
To B.M. 21-68

Total Backsights = + 904.025
Total Foresights = − 675.264
Diff. Elev. = +228.761

Backsight stadia = 236
Foresight Stadia = 244
Total Stadia = 480 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.

F.B. 1871 PG. 118 JOB NO. 0701.02

SURVEY OF L.A. Co. Precise Level Net

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

INDEXED C. J. GALLI DATE

WEATHER Overcast INST. NO. 96716

TIME 10:10 - 16:25 ROD NO. 9-19

NOTES CHKD. [illegible] DATE 11 21 68

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM 21-68 TO BM 5-49
BM 21-68									BM 21-68 (USC&GS Y76) Pacific Coast Hwy and Normandie Ave. See F.B. 1391-63
1	152	248	453 5	169 135 34	159	842	460 5	176 142 34	
2	141	193	442 5	166 116 50 84	183	278	489 5	209 157 52 86	T R.R. Rodrigue.
3	134	596	435 5	158 110 48 132	188	318	489 5	211 165 46 132	
4	97	749	398 5	123 71 52 184	213	139	514 5	239 187 52 184	
5	147	454	448 5	175 119 56 240	157	443	458 5	185 129 56 240	
	673	240			902	020			
BM 5-49									BM 5-49 Normandie Ave and Vermont Ave. See F.B. 3701-123

Summation of Run
From B.M. 21-68
To B.M. 5-49

Total Backsights = + 673.240'
Total Foresights = − 902.020'
Diff. Elev. = −228.780'

Backsight stadia = 240'
Foresight Stadia = 240'
Total Stadia = 480' 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 CALLED 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 21-68 TO BM 5-~~83~~ 49A
BM 21-68											BM 21-68 (USC&GS y 780) Pacific Coast Hwy. & Normandie Ave. See F.B. 1391-63
1	155	278	456	5	176 137 42	194	510	495	5	206 173 43	
2	28	363	329	5	50 6 44 84	286	408	587	5	307 265 42 85	T R.R. Rodriguez
3	51	898	352	5	69 33 36 122	261	653	562	5	278 244 34 119	
4	40	819	341	5	59 21 38 160	266	657	567	5	285 247 38 157	Summation of Run From B.M. 21-68 To B.M. 5-~~83~~ 49A
5	63	613	364	5	88 38 50 210	154	893	455	5	177 131 46 203	
6	153	567	454	5	165 141 24 234	161	352	462	5	174 148 26 229	Total Backsights = + 625.903 N.G. Total Foresights = − 1509.448 Diff. Elev. = −883.545
7	132	365	433	5	154 110 44 278	183	475	484	5	205 160 45 274	
	625	903				1509	448				Backsight stadia = 278 Foresight Stadia = 274 Total Stadia = 552 meters
BM 5-~~83~~ 49A											BM 5-~~83~~ 49A Pacific Coast Hwy. & Vermont Ave. See F.B. 3701-121

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

SURVEY BY E.E. Brooks WEATHER Clear INST. NO. 2670

NOTES BY K.W. Kapp DATE 9-23-64 TIME 2:20-2:45 ROD NO. 9-15

INDEXED DATE NOTES CHKD. C.J. Gall DATE 8-31-64

F.B. 2871 PG. 119

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Overcast INST. NO. 96716
TIME 9:45-10:05 ROD NO. 9-19
NOTES CHKD. DATE OCT 21 '64

F.B. 1871 PG. 120 JOB NO. 0701.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES K. M. Kapp
INDEXED L. J. GALL DATE

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
49A													FROM BM 5-83 49A TO BM 21-68
BM 5-83													BM 5-83 49A Pacific Coast Hwy and Vermont Ave. See F.B. 3201-121
1	178	848	479	5	200 156	44	128	248	429	5	151 105	46	
2	158	981	459	5	170 146	24 68	150	613	451	5	163 137	26 72	T R. R. Rodriguez
3	158	247	459	5	182 134	48 116	75	245	376	5	99 51	48 120	
4	281	948	582	5	301 261	40 156	46	679	347	5	64 28	36 156	Summation of Run From B.M. 5-83 49A To B.M. 21-68
5	257	072	558	5	274 240	34 190	49	225	350	5	67 32	35 191	Total Backsights = + 1511.819 ✓
6	285	037	586	5	305 263	43 233	25	697	326	5	47 4	43 234	Total Foresights = − 627.955 ✓
7	191	686	492	5	212 169	43 276 ✓	152	248	453	5	173 131	42 276 ✓	Diff. Elev. = +883.864 ✓
	1511	819 ✓					627	955 ✓					Backsight stadia = 276 ✓
BM 21-68													Foresight Stadia = 276 ✓
													Total Stadia = 552 meters
													BM 21-68 CUSC&GS Y780 Pacific Coast Hwy and Normandie Ave See F.B. 1391-63

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. 4871 PG. 122 JOB NO. 8301.02

SURVEY OF L.A. Co. Precise Level Net

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

INDEXED C. J. GALLI DATE

WEATHER Overcast INST. NO. 96716

TIME 9:05-9:40 ROD NO. 9-19

NOTES CHKD. UH DATE OCT 21 '64

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS From BM5-48 To BM5-49A
BM5-48													BM5-48 Lomita Blvd & Vermont Ave. See F.B. 3701-119
1	94	324	395	5	119 69	50	11	313	312	5	35½ 11	24 48	
2	279	598	580	5	305 253	52 102	17	873	318	5	43½ 17	26 52 100	T R.R. Rodriguez
3	232	193	533	5	263 201	62 164	183	392	484	5	215 152	63 163	
4	102	041	403	5	123 81	42 206	268	915	569	5	290 246	44 207	Summation of Run From B.M. 5-48 To B.M. 5-~~BB~~ 49A
5	64	711	365	5	81 47	34 240	267	422	568	5	284 250	34 241	
6	59	014	360	5	76 42	34 274	256	999	557	5	273 239	34 275	Total Backsights = + 1143.665
7	66	493	367	5	87 45	42 316	249	275	550	5	270 228	42 317	Total Foresights = − 1643.849
8	93	212	394	5	115 71	44 360	202	067	503	5	224 180	44 361	Diff. Elev. = − 500.184
9	152	079	453	5	172 132	40 400	186	593	487	5	206 166	40 401	Backsight stadia = 400
	1143	665					1643	849					Foresight Stadia = 401
BM5-~~BB~~ 49A													Total Stadia = 801 meters
													BM5-~~BB~~ 49A Pacific Coast Hwy and Vermont Ave See F.B. 3701-121

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						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 5-48 TO BM 5-48A
BM 5-48													BM 5-48 Vermont Ave and Lomita Blvd.
1	145	558 ~~568~~	446	5	156 ~~134~~	22	237	727	538	5	248 226	22	see F.B. 3701-119
													π R.R. Rodriguez
BM 5-48A													BM 5-48A Vermont Ave and Lomita Blvd. see F.B. 3701-119

Summation of Run
From B.M. 5-48
To B.M. 5-48A

Total Backsights = + 145.558
Total Foresights = − 237.727
Diff. Elev. = − 92.169

Backsight stadia = 22
Foresight Stadia = 22
Total Stadia = 44 meters

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

SURVEY BY E.E. Brooks WEATHER overcast INST. NO. 9671

NOTES BY K.M. Kapp DATE 9-24-64 TIME 1:55 ROD NO. 9-12

INDEXED DATE NOTES CHKD C. J. GALLI DATE OCT 21 64

F.B. 2871 PG. 123

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Smoggy - Windy INST. NO. 96716
TIME 2:45 ROD NO. 9-19
NOTES CHKD. DATE OCT 21 '64

F.B. 1871 PG. 124 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES E.E.B.
INDEXED C. J. GALLI DATE

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM5-48A TO BM5-48
BM5-48A													BM5-48A Vermont Ave and Lomita Blvd. See F.B. 3701-119
	250	688	561	5	267 238	24	168	520	459	5	170 146	24	
													T Mather
BM5-48													BM5-48 Vermont Ave and Lomita Blvd. See F.B. 3701-119

Summation of Run
From B.M. 5-48A
To B.M. 5-48

Total Backsights = + 250.688
Total Foresights = − 158.520
Diff. Elev. = + 92.168

Backsight stadia = 24'
Foresight Stadia = 24'
Total Stadia = 48' 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.

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

SURVEY BY F. E. Brooks

NOTES BY F. M. Kapp DATE 9-24-64 WEATHER Overcast INST. NO. 2671

TIME 2:00 - 2:30 ROD NO. 2-12

INDEXED DATE NOTES CHKD G. J. GALLI DATE OCT 21 '64

F.B. 2871 PG. 125

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													FROM BM 5-48A TO BM 5-~~82~~ 47A
BM 5-48A													BM 5-48A Vermont Ave and Lomita Blvd. see F.B. 3701-119
1	85	959	386	5	103 67	36	291	968	592	5	291 1/2 272	19 38	
2	17	554	318	5	43 1/2 17	26 52 88	216	574	517	5	242 190	52 90	π R.R. Rodriguez
3	129	545	430	5	157 101	56 144	102	922	403	5	132 72	60 150	
4	199	747	500	5	226 172	54 198	126	702	427	5	152 100	52 202	Summation of Run From B.M. 5-48A To B.M. 5-~~82~~ 47A
5	246	027	547	5	274 218	56 254	89	103	390	5	114 64	50 252	
6	200	783	501	5	225 175	50 304	111	793	412	5	136 86	50 302	Total Backsights = + 1298.694' Total Foresights = − 1223.990' Diff. Elev. = + 74.704'
7	214	335	515	5	238 190	48 352	110	487	411	5	135 85	50 352	
8	204	744	505	5	214 194	20 372	174	441	475	5	183 165	18 370 ✓	Backsight stadia = 372' Foresight Stadia = 370' Total Stadia = 742 meters.
	1298 694 ✓						1223 990 ✓						
BM 5-~~82~~ 47A													BM 5-~~82~~ 47A Lomita Blvd. & Figueroa St. See F.B. 3701-117

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 CORRECTED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line.

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
BM 5-~~82~~ 47A									FROM BM 5-~~82~~ 47A TO BM 5-47
1	163	713	464	5 193 133 60	128	333	429	5 158 98 60	BM 5-~~82~~ 47A Lomita Blvd and Figueroa St. See F.B. 3701-117
2	176	643	477	5 206 147 59 119	195	877	496	5 223 167 56 116	
3	50	744	351	5 71 29 42 161	287	542	588	5 287 1/2 264 23 46 162	
4	59	099	360	5 84 34 50 211	159	933	460	5 183 135 48 210	
5	238	070	539	5 250 226 24 235	41	217	342	5 54 28 26 236	
6	246	503	547	5 259 233 26 241	82	344	383	5 95 69 26 262	
7	199	874	500	5 229 164 60 321	109	999	410	5 139 79 60 322	
8	180	884	481	5 199 161 38 359	177	904	478	5 196 158 38 360	
	1315	530			1183	149			
BM 5-47									

BM 5-~~82~~ 47A
Lomita Blvd and
Figueroa St.
See F.B. 3701-117

R.R. Rodriguez

Summation of Run
From B.M. 5-~~82~~ 47A
To B.M. 5-47

Total Backsights = + 1315.530'
Total Foresights = − 1183.149'
Diff. Elev. = + 132.381'

Backsight stadia = 359'
Foresight Stadia = 360'
Total Stadia = 719' meters

BM 5-47
Lomita Blvd. & Wilmington Blvd. & Main St.
See F.B. 3701-115

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E.E. Brooks
NOTES BY K.M. Kapp DATE 7-24-64 WEATHER TIME 2:35-3:00 INST. NO. 3671 ROD NO. 7-12
INDEXED DATE NOTES CHKD C. J. GALLI DATE
F.B. 2871 PG. 17

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Overcast INST. NO. 96716
TIME 1:30-2:00 ROD NO. 9-19
NOTES CHKD. [illegible] DATE [illegible] 21 [illegible]

F.B. 2871 PG. 128 JOB NO. 0371.01
SURVEY OF E.A. Co. Precise Level Net
SURVEY BY E.F. Brooks NOTES K.M. Kapp
INDEXED G.J. GALLI DATE

STATION	BACKSIGHT Right	Mic.	Left.	Stadia	FORESIGHT Right	Mic.	Left.	Stadia	DESCRIPTION AND REMARKS From BM 5-47 To BM 5-~~82~~ 47A
BM 5-47									BM 5-47 Lomita Blvd and Wilmington Blvd (Main St) see F.B. 3701-115
1	173	233	474 5	192 154 38	175	928	476 5	194 156 38	
2	112	853	413 5	142 82 60 98	202	103	503 5	232 172 60 98	T Mather
3	83	018 ~~830~~	384 5	97 69 28 126	246	359	547 5	259 233 26 124	Summation of Run From B.M. 5-47 To B.M. 5-~~82~~ 47A
4	46	168	347 5	59 33 26 152	244	731	545 5	256 232 24 148	
5	160	078	461 5	184 136 48 200	63	369	364 5	89 37 52 200	Total Backsights = + 1206.525
6	285	335	586 5	285½ 264 21 42 242	44	074	345 ~~38~~ 5	66 22 44 244	Total Foresights = − 1338.753
7	197	273	498 5	225 169 56 298	182	205	483 5	211 153 58 302	Diff. Elev. = −132.228
8	148	567	449 5	178 118 60 358	179	984	480 5	208 150 58 360	Backsight stadia = 358
	1206	525	✓		1338	753	✓		Foresight Stadia = 360
									Total Stadia = 718 Meters
BM 5-~~82~~ 47A									BM 5-~~82~~ 47A Lomita Blvd and Figueroa St. see F.B. 3701-117

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 — LEVELING SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY K. M. Krupp DATE 9-24-64 WEATHER Overcast INST. NO. 9471

NOTES BY K. M. Krupp DATE 9-25-64 TIME 1:40-3:25 / 1:05-2:05 ROD NO. 9-15

INDEXED DATE NOTES CHKD. C. J. GATLIN DATE 11-9-64

F.B. 2871 PG. 129

STATION	BACKSIGHT Right	Mic.	Left		Stadia	FORESIGHT Right	Mic.	Left		Stadia	DESCRIPTION AND REMARKS
BM 5-47											From BM 5-47 To BM 5-~~47~~ 46C
1	203	352	504	5	224 / 182 / 42	147	584	448	5	171 / 123 / 48	BM 5-47 Lomita Blvd and Main St (Wilmington Blvd) See F.B. 3701-115
2	140	194	441	5	167 / 113 / 54 / 96	193	775	494	5	218 / 166 / 52 / 100	T R.R. Rodriguez
3	139	825	440	5	171 / 107 / 64 / 160	108	918	409	5	140 / 76 / 64 / 164	Summation of Run From B.M. 5-47 To B.M. 5-~~47~~ 46C
4	203	368	504	5	235 / 172 / 63 / 223	137	999	438	5	167 / 107 / 60 / 224	
5	153	904	454	5	158 / 148 / 10 / 233	165	23~~X~~7	466	5	170 / 160 / 10 / 234	End of work day. Turned in to Mon. at Lomita Blvd. & Neptune Ave.
6	188	268	489	5	211 / 165 / 46 / 279	171	825	472	5	194 / 148 / 46 / 280	
7	157	270	458	5	183 / 131 / 52 / 331	162	392	463	5	187 / 136 / 51 / 331	
8	140	112	441	5	165 / 115 / 50 / 381	163	682	464	5	187 / 139 / 48 / 379	
9	151	194	452	5	177 / 125 / 52 / 433	137	379	439	5	164 / 110 / 54 / 433	
10	184	016	485	5	213 / 154 / 59 / 492	135	475	436	5	163 / 107 / 56 / 489	
11	156	983	457	5	176 / 136 / 40 / 532	173	030	474	5	194 / 152 / 42 / 531	
BM 5-~~47~~ 46C	1818	486				1697	296				

Total Backsights = + 1818.486
Total Foresights = − 1697.296
Diff. Elev. = + 121.190

Backsight stadia = 532
Foresight Stadia = 531
Total Stadia = 1063 meters

BM 5-~~47~~ 46C (Wilmington E-1) Lomita Blvd. & Avalon Blvd. See F.B. 3701-113

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. 2271 PG. 13C — SURVEY OF L.A. Co. Precise Level Net — SURVEY BY E. E. Brooks — NOTES F.E.B. — INDEXED C. J. GALLI — DATE — JOB NO. 0301.02

WEATHER Sun & Hot — TIME 11:75 - 12:20 — NOTES CHKD — INST. NO. 96716 — ROD NO. 9-12 — DATE OCT 21 '64

STATION	BACKSIGHT Right	Mic.	Left	Mic.	Stadia		FORESIGHT Right	Mic.	Left	Mic.	Stadia	
46C												
BM5-~~51~~												
1	175	196	476	5	195 / 156	40	159	225	460	5	179 / 139	40
2	132	815	433	5	161 / 103	58 / 98	181	676	482	5	210 / 152	58 / 98
3	135	489	436	5	162 / 108	54 / 152	141	150	442	5	167 / 115	52 / 150
4	152	392	453	5	176 / 128	48 / 200	136	653	437	5	161 / 112	49 / 199
5	154	954	455	5	180 / 128	52 / 252	149	680	450	5	175 / 123	52 / 251
6	168	241	469	5	192 / 144	48 / 300	158	854	459	5	181 / 135	46 / 299
7	132	331	433	5	136 / 128	8 / 308	154	851	455	5	159 / 150	9 / 306
8	143	752	444	5	174 / 112	62 / 370	198	862	499	5	229 / 167	62 / 368
9	108	268	409	5	140 / 76	64 / 434	141	373	442	5	174 / 108	66 / 434
10	185	383	486	5	211 / 159	52 / 486	132	681	433	5	158 / 106	52 / 486
11	145	911	446	5	169 / 121	48 / 534	201	203	502	5	222 / 180	42 / 528
	1634	712					1756	208				
BM5-47												

DESCRIPTION AND REMARKS

From BM5-~~51~~ 46C To BM5-47

BM 5-~~51~~ (Wilmington E-1)
Lomita Blvd and Avalon Blvd.
See F.B. 3701-113

π Mather

Summation of Run 46C
From B.M. 5-~~51~~
To B.M. 5-47

Total Backsights = + 1634.712
Total Foresights = − 1756.208
Diff. Elev. = − 121.496

Backsight stadia = 534
Foresight Stadia = 528
Total Stadia = 1062 meters

BM 5-47
Lomita Blvd and Main St
(Wilmington Blvd.)
See F.B. 3701-115

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 R.H. Kapp DATE 9-25-64 WEATHER Clear-windy INST. NO. 2671

NOTES BY TIME 2:15-2:35 ROD NO. 8-15

INDEXED DATE NOTES CHKD. G. J. GALLI DATE 10-21-64

F.B. 2871 PG. 131

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 5-~~84~~ 46C TO BM 5-46A
BM5-~~84~~ 46C													BM 5-~~84~~ 46C (Wilmington E-1) Lomita Blvd. and Avalon Blvd. See F.B. 3701-113
1	190	489	491	5	220 159	61	190 ~~15~~	692	491	5	220 160	60	
2	146	479	447	5	173 120	53 114	168	177	469	5	194 142	52 112	T R.R. Rodriguez
3	141	459	442	5	175 106	69 183	170	311	471	5	205 135	70 182	
4	140	880	441	5	167 113	54 237	163	091	464	5	189 137	52 234	
5	145	718	446	5	153 137	16 253	180	108	481	5	189 171	18 252	
	765	025					872	379					
BM5-46A													BM 5-46A Lomita Blvd. & Wilmington Ave. See F.B. 3701-109

Summation of Run
From B.M. 5-~~84~~ 46C
To B.M. 5-46A

Total Backsights = + 765.025
Total Foresights = − 872.379
Diff. Elev. = −107.354

Backsight stadia = 253
Foresight Stadia = 252
Total Stadia = 505 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.

WEATHER Hazy INST. NO. 26716
TIME 11:15-11:30 ROD NO. 4-19
NOTES CHKD. DATE OCT 21 '64

F.B. 26171 PG. 132 JOB NO. 2011.02
SURVEY OF LA Co. Precise Level Net
SURVEY BY C.E. Crutt NOTES K.M. Kaus
INDEXED C. J. GALL DATE

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS FROM BM 5-46A TO BM 5-~~84~~ 46C
BM 5-46A									BM 5-46A Lomita Blvd and Wilmington Ave see F.B. 3701-109
1	182	018	483 5	190 174 10	153	051	454 5	162 144 10	
2	169	854	470 5	196 143 53 69	141	524	442 5	168 114 54 72	T Mather
3	184	988	485 6	219 149 70 139	154	988	455 5	188 120 68 140	
4	163	662	464 5	190 136 54 193	128	358	429 5	155 101 54 194	
5	155	888	456 5	186 125 61 254	170	383	471 5	201 139 62 256	
	856	410			748	904			
BM 5-~~84~~ 46C									BM 5-~~84~~ 46C (Wilmington E-1) Lomita Blvd and Avalon Blvd. see F.B. 3701-113

Summation of Run
From B.M. 5-46A
To B.M. 5-~~84~~ 46C

Total Backsights = + 856.410
Total Foresights = − 748.904
Diff. Elev. = +107.506

Backsight stadia = 254
Foresight Stadia = 256
Total Stadia = 510 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
													FROM BM5-4LA TO BM5-4LB
BM5-4LA													BM 5-4LA Lomita Blvd and Wilmington Ave See F.B. 3701-109
1	162	011	463	5	179 145	34	100	204	401	5	115 85	30	
~~2~~													T R.R. Rodriguez
~~3~~													
BM5-4LB													BM 5-4LB Lomita Blvd. at Dept. of Water & Power Station See F.B. 3701-111

Summation of Run
From B.M. 5-4LA
To B.M. 5-4LB

Total Backsights = + 162.011'
Total Foresights = − 100.204'
Diff. Elev. = + 61.807'

Backsight stadia = 34'
Foresight Stadia = 30'
Total Stadia = 64' meters

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks WEATHER Clear - Windy INST. NO. 9671
NOTES BY F. M. Kapp DATE 8-25-64 TIME 2:40 - ROD NO. 9-15
INDEXED DATE NOTES CHKD C. J. BALL DATE
F.B. 2871 PG. 133

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. 46716
ROD NO. 5-19
DATE OCT 21 '64
WEATHER Hazy
TIME 11:10
NOTES CHKD

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM5-46B TO BM5-46A
BM5-46B									BM5-46B Lomita Blvd at Dept. of Water & Power Station
1	99 ~~48~~	038	400 ~~8~~	5	115 83	32	160	806	461 5 176 144 32 See F.B. 3701-111 T Mather
BM5-46A									BM5-46A Lomita Blvd and Wilmington Ave See F.B. 3701-109

Summation of Run
From B.M. 5-46 B
To B.M. 5-46 A

Total Backsights = + 99.038
Total Foresights = − 160.806
Diff. Elev. = -61.768

Backsight stadia = 32
Foresight Stadia = 32
Total Stadia = 64 meters

F.B. 3871 PG. 134
JOB NO. 3701. CZ
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E.E. Brooks
NOTES K. M. Kapp
INDEXED
DATE

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

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

SURVEY BY F. E. Brook WEATHER Overcast

NOTES BY M. Bustrum DATE 10-4-64 TIME 9:05-10:10 INST. NO. 8-15

INDEXED DATE NOTES CHKD. G. J. GALL DATE 11-21-64 ROD NO. 8-15

F.B. 2871 PG. 135

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM5-46B TO BM5-80
BM 5-46B													BM5-46B Lomita Blvd at Dept of Water & Power Station See F.B. 3701-111
1	137	821	438	5	154 120	34	170	718	471	5	187 153	34	
2	154	839	455	5	183 125	58 92	105	168	406	5	132 78	54 88	T Mdldo mdo
3	172	897	473	5	200 144	56 148	171	308	472	5	200 142	58 146	Summation of Run From B.M. 5-46B To B.M. 5-80
4	144	503	445	5	171 117	54 202	182	200	483	5	210 154	56 202	
5	134	251	435	5	158 110	48 250	135	333	436	5	159 111	48 250	
6.	133	830	434	5	158 108	50 300	127	419	428	5	152 102	50 300	Total Backsights = + 1689.484 Total Foresights = − 1914.295 Diff. Elev. = − 224.811
7	122	842	423	5	148 96	52 352	250	322	551	5	275 225	50 356	
8	75	302	376	5	100 50	50 402	176	810	477	5	202 150	52 402	Backsight stadia = 572 Foresight Stadia = 570 Total Stadia = 1142
9.	91	058	392	5	114 68	46 448	175	350	476	5	198 152	46 448	
10.	96	750	397	5	126 66	60 508	197	023	498	5	226 168	58 506	
11.	160	851	461	5	184 136	48 556	109	590	410	5	132 86	46 552	
12.	264	540	545	5	272 256	16 572	113	064	414	5	122 104	18 570	BM 5-80 Lomita Blvd & Blinn St. See F B 3701-107
	1689	484	✓				1914	295	✓				
BM-5-80													

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. NO. 96716 ROD NO. 9-19 DATE OCT 21 '64

WEATHER Sunny TIME 9:50 - 10:55 NOTES CHKD

JOB NO. 0701.02 DATE

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Crews NOTES F.E.B.

INDEXED

F.B. ~~136~~ 2897 PG. ~~134~~ 136

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM BM 5-80 TO BM-5-46B
BM 5-80									BM 5-80
1	112 ~~101~~	192 ~~904~~	413 5 ~~402 5~~	121 103 ~~110~~ ~~90~~ 18 ~~18~~	263 ~~248~~	907 ~~771~~	564 5 ~~549 5~~	271 255 ~~256~~ ~~240~~ 16 ~~16~~	Lomita Blvd & Blinn St. See FB 3701-107
2	99	216	~~400~~ 5	124 74 50 68	140	282	441 5	122 118 44 60	~~A~~ Mather
3	170	082	471 5	198 142 56 124	79	391	380 5	110 48 62 122	Summation of Run From B.M. 5-80 To B.M. 5-46B.
4	174	360	475 5	196 152 44 168	86	412	387 5	110 62 48 170	
5	183	435	484 5	208 158 50 218	96	798	397 5	122 70 52 222	Total Backsights = + 1853.100 ✓ Total Foresights = − 1628.324 ✓ Diff. Elev. = +224.776 ✓
6	196 ~~187~~	962	497 5	222 170 52 270	58	369	369 5	83 34 49 291	
7	129	229	430 5	154 103 51 321	143	418	444 5	169 117 52 323	
8	136	765	437 5	160 112 48 369	133	541	434 5	156 110 46 369	Backsight stadia = 568 ✓ Foresight Stadia = 574 ✓ Total Stadia = 1142 ✓ meters
9	183	498	484 5	210 165 56 424	138	479	439 5	166 111 55 424	
10	177	792	478 5	205 149 56 480	189	961	490 5	219 159 60 484	
11	109	314	410 5	136 82 54 534	164	228	465 5	195 136 60 534	
12	180	255	481 5	197 163 34 568	177 ✓	568	434 5	148 118 30 574 ✓	BM 5-46B Lomita Blvd & Dept of Water & Power [illegible] See FB [illegible]-111
	1853	100 ✓			~~1628~~ 324 ✓				
BM 5-46B									

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
BM5-80										
1	176	641	477	5	200 152 48	290	829	591	5	290 1/2 262 28 56
2	201	900	502	5	227 175 52 100	174	598	415	5	198 150 48 104
3	27~~4~~ 7	163 140	578	5	301 253 48 148	139	563	440	5	163 115 48 152
4	163	192	464	5	193 133 60 208	136	782	437	5	164 108 56 208
5	172	430	473	5	195 149 46 254	134	623	435	5	157 111 46 254
6	139	862	440	5	168 110 58 312	141	762	442	5	170 112 58 312
7	80	033	381	5	109 61 48 360	143	440	4 344	5	169 117 52 364
8	123	299	424	5	154 92 62 422	119	150	420	5	148 90 58 422
9	160	978	461	5	167 153 14 436	171	536	472	5	179 163 16 438
BM 5-45	1495	498	✓			1452	283	✓		

DESCRIPTION AND REMARKS

FROM BM 5-80 TO BM5-45

BM5-80
Lomita Blvd & Blinn St.
See F.B. 3201-107
T Maldonado

Total Backsights = + 1495.498 ✓
Total Foresights = − 1452.283 ✓
Diff. Elev. = + 43.215 ✓

Summation of Run
From B.M. 5-80-
To B.M. 5-45

BM 5-45 (USC&GS J 615)
A.T.&S.F. R.R. at Alameda St. See F.B. 1206-43

Backsight stadia = 436 ✓
Foresight Stadia = 438 ✓
Total Stadia = 874 ✓ meters

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks
NOTES BY K. W. Kapp DATE 10-2-64 WEATHER Sunny TIME 10:15-11:05 INST. NO. 9671
ROD NO. 9-19
INDEXED DATE NOTES CHKD. G. J. Galik DATE Oct 23 '64
F.B. 2871 PG. 137

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. 2871 PG. 138 JOB NO. 2301.02

SURVEY OF L.A. Co. Precise Level Net

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

INDEXED C. J. GALLI DATE

WEATHER Hazy INST. NO. 26716

TIME 8:55-9:45 ROD NO. 9-18

NOTES CHKD. DATE OCT 21

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM BM 5-45 TO BM 5-80
BM 5-45									BM 5-45 (USC&GS J615) A.T.&S.F. R.R. at Alameda St. See F.B. 1206-43
1	118	796	419 5	123 113 20	108	208	409 5	113 103 10	
2	125	063	426 5	155 95 60 80	127	929	428 5	157 97 60 70	T Mather
3	133	794	434 5	159 107 52 122	71	990	372 5	100 42 58 128	Summation of Run From B.M. 5-45 To B.M. 5-80
4	141	287	442 5	172 110 62 184	138	868	439 5	164 111 53 181	
5	124	944	425 5	156 91 65 249	167	961	468 5	200 134 66 247	Total Backsights = + 1275.293
6	133	404	434 5	165 101 64 313	159	819	460 5	190 127 63 310	Total Foresights = − 1318.286
7	47	181	348 5	70 24 46 359	155	941	455 5	177 131 46 356	Diff. Elev. = −42.993
8	171	572	472 5	196 146 50 409	229	619	530 5	252 205 47 403	Backsight stadia = 437
9	279	252	580 5	293 265 28 437	158	951	459 5	176 140 36 439	Foresight Stadia = 439
									Total Stadia = 876 meters
BM 5-80	1275	293			1318	286			BM 5-80 Lomita Blvd. & Blinn St. See F.B. 3701-107

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	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia	
BM5-45												
1	155	042	456	5	173 137	36	181	983	482	5	194 164	30
2	172	842	473	5	200 144	56 92	138	611	439	5	166 110	56 86
3	146	373	447	5	173 119	54 146	150	560	451	5	180 120	60 146
4.	244	627	545	5	268 220	48 194	101	658	402	5	124 78	46 192
5	127	221	428	5	154 100	54 248	202	260	503	5	229 175	54 246
6.	126	375	427	5	154 98	56 304	132	902	433	5	160 104	56 300
7	129	343	430	5	138 120	18 322	184	860	485	5	192 176	16 318
	1101	823	✓				1092	834	✓			

See Pg. 147 for later Run
2-11-65 J.M.R.

BM5-44

DESCRIPTION AND REMARKS

From BM5-45 To BM5-44

BM5-45 (USC&GS J 615)
A.T. & S.F. R.R. at
Alameda St.
See F.B. 1206-43

T Maldonado

Summation of Run
From B.M. 5-45
To B.M. 5-44

Total Backsights = + 1101.823 ✓
Total Foresights = − 1092.834 ✓
Diff. Elev. = + 8.989 ✓

Backsight stadia = 322 ✓
Foresight Stadia = 318 ✓
Total Stadia = 640 meters.

BM5-44
Alameda St. & L.A. City Bdry.
See FB 1206-41

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks
NOTES BY M. Bustamante DATE 10-2-64 TIME 11:25-11:40 WEATHER Overcast INST. No 9472
INDEXED DATE NOTES CHKD C. J. GALLI DATE ROD No. 9-15
F.B. 2571 PG. 139

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Hazy - Smog INST. NO. 96716
TIME 2:50 - 3:15 ROD NO. 9-19
NOTES CHKD. DATE OCT 21 '64

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 5-44 TO BM 5-45
BM 5-44									BM 5-44 Alameda St. ¢ L.A. City Bd'ry. See FB 1206-41
1	190	688	491 5	198 182 16	135	062	436 5	143 127 16	
2	141	800	442 5	170 112 58 74	136	312	437 5	164 108 56 72	Summation of Run From B.M. 5-44 To B.M. 5-45
3	206	707	507 5	233 179 54 128	173	762	434 5	160 106 54 126	
4	106	743	407 5	129 83 46 174	257	033	658 5	281 233 48 174	Total Backsights = 1096.955
5	165	733	456 5	184 126 58 232	140	823	441 5	168 112 56 230	Total Foresights = -1106.040
6	145	527	446 5	173 117 56 288	151	076	462 5	179 123 56 286	Diff. Elev. = -9.085
7	149	757	450 5	167 131 36 324	151	973	452 5	169 133 36 322	T Rodriguez
	1096	955			1106	040			
BM 5-45									BM 5-45 (U.S.C.&G.S. J. 615) A.T.&S.F. RR at Alameda St. See FB 1206-43
	See Pg. 148 for later Run 2-11-65 T.M.R.								Backsight stadia = 324 Foresight Stadia = 322 Total Stadia = 646 meters

F.B. 2871 PG. 140 JOB NO. 0301.02

SURVEY OF R.A. Co. Precise Level Net

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

INDEXED C. J. GALLI DATE

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 BM 5-44 TO BM 5-43A
BM5-44									BM 5-44 Alameda St. and L.A. City Boundary
						used steel Tape			
1	168	433	469	5	183 / 133	381 / 178	—	5	151 / 119 32 See F.B. P20C-41
									T Maldonado
BM 5-43A									BM 5-43 A (USC&GS K970) Alameda St., 0.4 Mi. S'ly. of Sepulveda Blvd. See F.B. 3701-101
									Summation of Run From B.M. 5-44 To B.M. 5-43 A
									Total Backsights = + 168.433 Total Foresights = − 135.381 Diff. Elev. = + 33.052
									Backsight stadia = 30 Foresight Stadia = 32 Total Stadia = 62 Meters
	See Pg. 149 for later Run 2-11-65 J.M.J.								

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

SURVEY BY L.E. Brooks WEATHER Smoggy INST. NO. 2671

NOTES BY K.M. Kapp DATE 10-2-64 TIME 11:50 ROD NO. 8-12

INDEXED DATE NOTES CHKD C.J. GALLI DATE 6/22/65

F.B. 2871 PG. 141

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Hazy - Smog INST. NO. 26716
TIME 8:45 - ROD NO. 9-19
NOTES CHKD. DATE OCT 21 64

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 5-43A TO BM 5-44
BM 5-43A									BM5-43A (USC&GS K 970) Alameda St. 0.4 mi. s'ly of Sepulveda Blvd. See F.B. 3701-101
	134	694		158 128 30	167	939	468 5	182 151 31	
									A Rodriguez
BM 5-44									BM5-44 Alameda St. and L.A. City Boundary See F.B. 1206-41
									Steel tape used on Backsight.
									Summation of Run From B.M. 5-43A To B.M. 5-44
									Total Backsights = + 134.694'
									Total Foresights = − 167.939'
									Diff. Elev. = − 33.245'
	See Pg. 150 for later Run 2-11-65 ~~X.M.~~								
									Backsight stadia = 30'
									Foresight Stadia = 31'
									Total Stadia = 61' Meters

F.B. 2871 PG. 142

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

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

INDEXED C. J. GALLI DATE

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 L.E. Brooks
NOTES BY K.M. Kapp DATE 10-2-64 TIME 1:00-1:50 WEATHER Sunny INST. NO. 2671 ROD NO. 9-15
INDEXED DATE NOTES CHKD G. J. GALL DATE 10-23-64
F.B. 2871 PG. 143

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 5-43A TO BM 5-42
BM 5-43A			Used Steel Tape										BM 5-43A (USC&GS K970) Alameda St. 0.4 mi S/y of Sepulveda Blvd. See F.B. 3701-101
* 1	132	221	~		137 126	137 126 11	133	173	434	5	138 128	10	
2	64	164	365	5	90 38	52 63	210	427	511	5	237 183	54 64	T R.R. Rodriguez
3	71	322	372	5	97 45	52 115	207	146	508	5	233 181	52 115	
4	59	814	360	5	88 30	58 173	238	400	539	5	267 209	58 174	Summation of Run From B.M. 5-43A To B.M. 5-42
5	63	042	364	5	90 36	54 227	151	693	452	5	178 124	54 228	
6	153	067	454	5	180 126	54 281	155	670	456	5	183 127	56 284	Total Backsights = + 1215.265' Total Foresights = − 1776.106' Diff. Elev. = −560.841'
7	149	079	450	5	177 121	56 337	141	638	442	5	167 114	53 337	
8	114	711	415	5	140 88	52 389	107	210	408	5	132 82	50 387	
9	250	768	551	5	268 232	36 425	248	048	549	5	265 231	34 421	Backsight stadia = 431' Foresight Stadia = 429' Total Stadia = 860' Meters
10	157	077	458	5	160 154	6 431	182	701	483	5	186 178	8 429	
BM 5-42	1215	265	✓				1776	106	✓				BM 5-42 Alameda St. & Sepulveda Blvd. See F.B. 1206-40
	See Pg. 151 for later Run 2-11-65 K.M.R.												

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Sunny INST. NO. 9676
TIME 2:00 - 2:40 ROD NO. 9-19
NOTES CHKD. DATE OCT 21 '64

F.B. 2871 PG. 144 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY L.E. Brooks NOTES K.M. Kapp
INDEXED C. J. CALLI DATE

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM BM 5-42 TO BM 5-43A
BM 5-42									BM 5-42 Alameda St. & Sepulveda Blvd. See F.B. 1206-40
1	171	740	472 5	174 168 6	146	505	447 5	149 143 6	
2	249	575	550 5	266 232 34 40	252	299	553 5	270 235 35 41	T R.R. Rodriguez
3	108	218	409 5	133 83 50 90	115	577	416 5	140 89 51 92	
4	135	683	436 5	162 108 54 144	144	021	445 5	172 116 56 148	Summation of Run From B.M. 5-42 To B.M. 5-43A
5	160	454	461 5	188 132 56 200	150	328	451 5	177 123 54 202	
6	147	743	448 5	174 120 54 254	65	439	366 5	92 38 54 256	Total Backsights = + 1801.973 ✓
7	243	621	~~444~~ 5	272 214 58 312	68	072	367 5	94 36 58 314	Total Foresights = − 1241.043 ✓
8	209	431	510 5	235 183 52 364	86	071	387 5	112 60 52 366	Diff. Elev. = + 560.930 ✓
9	237	620	538 5	264 210 54 418	77	851	378 5	103 51 52 418	
10	137	888	438 5	142 132 10 428	137	880	~~25~~	142 131 11 429	Backsight stadia = 428 '
	1801	973	✓		C used 1241 043		steel ✓	Tape	Foresight Stadia = 429 '
									Total Stadia = 857 ✓ Meters
BM 5-43A									BM 5-43A (USC&GS K 470) Alameda St., 0.4 mi. S'ly. of ~~Alameda St.~~ Sepulveda Blvd. See F.B. 3701-101
	See Pg. 152 for later Run 2-11-65 ~~S.T.~~ M.R.								

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						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM5-42 TO BM5-41
BM5-42													BM5-42 Alameda St. and Sepulveda Blvd.
1	82	588	383	5	97 67	30	160	142	461	5	176 144	32	See F.B. 1206-40
													T R.R. Rodriguez
BM5-41													BM5-41 Alameda St. & Sepulveda Blvd. See F.B. 1206-40
													Summation of Run From B.M. 5-42 To B.M. 5-41
													Total Backsights = + 82.588'
													Total Foresights = − 160.142'
													Diff. Elev. = − 77.554'
	See Pg. 153 for later Run 2-11-65 T.M.R.												
													Backsight stadia = 30'
													Foresight Stadia = 32'
													Total Stadia = 62' meters

JOB NO. 030102 SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY L.E. Brooks WEATHER Smoggy INST. NO. 8672

NOTES BY K.M. Karp DATE 10-2-64 TIME 12:50 ROD NO. 9-12

INDEXED DATE NOTES CHKD G. J. GALLI DATE 7-1-68

F.B. 2571 PG. 145

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Smoggy INST. NO. 9676
TIME 1:55 ROD NO. 9-19
NOTES CHKD DATE OCT 21 '64

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 5-41 TO BM 5-42
BM 5-41									BM 5-41 Alameda St. & Sepulveda Blvd.
1	159 ~~160~~	669	4605	175 143	82	119	3835	97 67	30 See F.B. 1206-40 π R.R. Rodriguez
BM 5-42									BM 5-42 Alameda St. & Sepulveda Blvd. See F.B. 1206-40
									Summation of Run From B.M. 5-41 To B.M. 5-42
									Total Backsights = + 159.669
									Total Foresights = − 82.119
									Diff. Elev. = + 77.550
	See Pg. 154 for later Run 2-11-65 R.M.R.								
									Backsight stadia = 32
									Foresight Stadia = 30
									Total Stadia = 62 meters

F.B. 2871 PG. 146 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

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

INDEXED C. J. GALLI DATE

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

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

SURVEY BY E. F. Brooks WEATHER Clear

NOTES BY M. Bolstman DATE 2-15-65 TIME 10:05 - 10:30 INST. NO. 2671

INDEXED ROD NO. 9-15

DATE NOTES CHKD G. J. GALLI DATE APR 1 '65

F.B. 2871 PG. 141

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													FROM BM 5-45 TO BM 5-44
BM 5-45													BM 5-45 (USC&GS J 615) A.T.&S.F. R.R. at Alameda St. See F.B. 1206-43
1	151	618	452	5	179 / 123	56	152	049	453	5	179 / 125	54	
2	159	910	460	5	184 / 134	50 / 100	151	240	452	5	177 / 125	52 / 106	T Mr. Kapp
3	147	114	448	5	174 / 120	54 / 160	97	692	398	5	124 / 70	54 / 160	Summation of Run From B.M. 5-45 To B.M. 5-44
4	241	790	542	5	266 / 216	50 / 210	170	285	471	5	195 / 145	50 / 210	
5	168	094	469	5	193 / 143	50 / 260	241	070	542	5	265 / 217	48 / 258	Total Backsights = + 1194.879
6	146	423	447	5	171 / 121	50 / 310	173	931	474	5	199 / 147	52 / 310	Total Foresights = − 1186.017
7	179	930	480	5	184 / 174	10 / 320	200	350	501	5	206 / 194	12 / 322	Diff. Elev. = + 8.862
	1194	879					1186	017					Backsight stadia = 320
													Foresight Stadia = 322
													Total Stadia = 642 meters
BM 5-44													BM 5-44 Alameda St. & L.A. City Bdy. See F.B. 1206-41

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear - Windy INST. NO. 96716
TIME 1:30 - 1:55 ROD NO. 9-19
NOTES CHKD. DATE APR 1 '63

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 5-44 TO BM 5-45
BM 5-44									BM 5-44 Alameda St. & L.A. City Bdy. See F.B. 1206-41
1	200	289	501 5	206 194 12	181	528	482 5	187 175 12	
2	176	923	477 5	202 150 52 64	148	970	449 5	173 123 50 62	T Kapp
3	242	140	543 5	266 218 48 112	228	710	529 5	252 204 48 110	Summation of Run From B.M. 5-44 To B.M. 5-45
4	239	603	540 5	266 212 54 166	271	848	572 5	246 246 50 160	
5	126	740	427 5	152 100 52 218	155	680	456 5	183 127 56 216	Total Backsights = + 1288.716
6	150	321	451 5	176 124 52 270	156	612	457 5	181 131 50 266	Total Foresights = − 1297.609
7	152	640	453 5	179 125 54 324	154	261	455 5	183 125 58 324	Diff. Elev. = − 8.893
	1288	716			1297	609			Backsight stadia = 324
									Foresight Stadia = 324
									Total Stadia = 648 meters
BM 5-45									BM 5-45 (USC&GS J 615) A.T.&S.F. R.R. at Alameda St. See F.B. 1206-43

F.B. 2871 PG. 148 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

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

INDEXED C. J. GALL DATE

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.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 5-44 TO BM 5-43A
BM 5-44													BM 5-44 Alameda St. & L.A. City Bdy. See F.B. 1206-41
1	167	464	468	5	182 / 152	30	134	060			153 / 121	32	
							Steel tape used for foresight						T Kapp
BM 5-43A													BM 5-43 A (USC&GS K970) Alameda St., 0.4 Mi. S'ly. of Sepulveda Blvd. See F.B. 3701-101
Rerun	16 Feb		4t		2:55		F.E.B.						
BM 5-44													Summation of Run From B.M. 5-44 To B.M. 5-43 A
	170	541	471	5	184 / 156	28	137	200			153 / 121	32	Total Backsights = + 167.454 } 170.541
												28	Total Foresights = − 134.060 } 137.200
BM 5-43												60	Diff. Elev. = + 33.394 } + 33.341
													Backsight stadia = 30
													Foresight Stadia = 32
													Total Stadia = 62

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

SURVEY BY E. E. Brooks

NOTES BY E. E. Brooks DATE 15 Feb 1965 WEATHER Clear

INDEXED DATE TIME 10:30 ROD NO. 9-15 INST. NO. 2671

NOTES CHKD. DATE

F.B. 2871 PG. 149

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. NO. 96716
ROD NO. 9-19
DATE APR 1 1965
WEATHER Clear
TIME 1:30
NOTES CHKD

STATION	BACKSIGHT Right	Mic.	Left.	Stadia	FORESIGHT Right	Mic.	Left.	Stadia	DESCRIPTION AND REMARKS From BM 5-43A To BM 5-44
BM 5-43A									BM 5-43A (USC&GS K970) Alameda St., 0.4 Mi. S'ly. of Sepulveda Blvd. See F.B. 3701-101
	137	085		153 121 32	170	190	471 5	185 155 30 32 62	Steel tape used on backsight T Kapp
BM 5-44									BM 5-44 Alameda St. S' L.A. City Bdy. See F.B. 1206-41
Revun 10 Feb at 3:00 F.E.B.									
BM 5-43A									
	~~130~~ 137	249	~~153~~ ~~124~~	153 121 32	170	535	471 5	185 155 30 32 62	
BM 5-44									
Steel tape used on backsight									

Summation of Run
From B.M. 5-43A
To B.M. 5-44

Total Backsights = + 137.085 137.249
Total Forosights = − 170.190 170.535
Diff. Elev. = − 33.105 −33.286

Backsight stadia = 32
Forosight Stadia = 30
Total Stadia = 62 meters

F.B. 2871 Pg. 150
JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES F.E.B.
INDEXED G. J. GALL DATE

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. F. Brooks NOTES BY E. F. Brooks DATE 15 Feb 1965 WEATHER Clear

TIME 10:35 – 11:10 INST. NO. 96720 ROD NO. 9-19

INDEXED DATE NOTES CHKD C. J. GALLI DATE

F.B. 2871 PG. 151

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 5-43A TO BM 5-42
BM 5-43A													BM 5-43A (USC&GS K970) Alameda St., 0.4 mi. S'ly. of Sepulveda Blvd. See F.B. 3701-101
1	151	320			160 / 142	18	194	900	495	5	203 / 185	18	
2	85	001	386	5	110 / 60	50 / 68	217	550	518	5	242 / 192	50 / 68	steel tape used on backsight ↑ Kapp
3	97	198	398	5	122 / 72	50 / 118	220	718	521	5	245 / 195	50 / 118	
4	91	471	392	5	116 / 66	50 / 168	217	270	518	5	242 / 192	50 / 168	Summation of Rur From B.M. 5-43A To B.M. 5-42
5	37	568	338	5	62 / 12	50 / 218	158	246 / 4	459	5	183 / 133	50 / 218	
6	163	921	464	5	188 / 138	50 / 268	162	173	463	5	187 / 137	50 / 268	Total Backsights = + 1316.603' ✓ Total Foresights = – 1877.294' ✓ Diff. Elev. = – 560.691' ✓
7	161	538	462	5	187 / 135	52 / 320	181	452	482	5	206 / 156	50 / 318	
8	173	900	474	5	198 / 148	50 / 370	172	671	473	5	197 / 147	50 / 368	Backsight stadia = 424' ✓ Foresight Stadia = 424 ✓ Total Stadia = 848 meters
9	201	568	502	5	224 / 188	46 / 416	164	060	465	5	186 / 140	46 / 416	
10	153	118	454	5	157 / 149	8 / 424	188	172	489	5	192 / 184	8 / 424 ✓	
	1316	603 ✓					1877	294 ✓					
BM 5-42													BM 5-42 Alameda St. & Sepulveda Blvd. See F.B. 1206-40

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. 2871 PG. 152 JOB NO. 0302.02

SURVEY OF L.A. Co. Precise Level Lat

SURVEY BY F. E. Brooks NOTES W. Gordon

INDEXED C. J. C. DATE

WEATHER Clear INST. NO. 96716

TIME 11:55-1:25 ROD NO. 9-19

NOTES CHKD. T. Kapp DATE APR 1 '65

STATION	BACKSIGHT Right Mic.	BACKSIGHT Left.	BACKSIGHT Stadia	FORESIGHT Right Mic.	FORESIGHT Left.	FORESIGHT Stadia	DESCRIPTION AND REMARKS
							FROM BM 5-42 TO BM 5-43A
BM 5-42							BM 5-42 Alameda St. & Sepulveda Blvd. See F.B. 1206-40
1	187 018	488 5	191 183 8	151 717	452 5	155 149 8	
2	166 251	467 5	190 142 48	200 683	501 5	222 178 44	
3	161 199	462 5	186 56 136 50	166 913	467 5	192 52 140 52	T Kapp
4	178 506	479 5	204 106 151 52	171 340	472 5	197 145 52	Summation of Run From B.M. 5-42 To B.M. 5-43A
5	163 880	464 5	188 58 138 50	165 460	466 5	190 156 140 50	
6	171 035	472 5	196 208 146 50	36 921	337 5	61 206 11 50	Total Backsights = + 1844.952 ✓
7.	211 115	512 5	237 256 185 52	79 900	380 5	104 256 54 50	Total Foresights = − 1283.724 ✓
8.	210 040	511 5	235 310 185 50	89 511	370 5	114 306 64 50	Diff. Elev. = + 561.228 ✓
9.	219 577	520 5	244 360 194 50	83 811	384 5	108 356 58 50	Backsight Stadia = 426 ✓
10.	176 339	477 5	184 410 168 16	137 468		147 406 127 20	Foresight Stadia = 426 ✓
	1844 952		426	1283 724		426	Total Stadia = 852 Meters
							← Steel tape used
							1 Hr. break for Lunch
BM 5-43A							BM 5-43A (USC&GS K470) Alameda St., 0.4 Mi. S'ly. of Sepulveda Blvd. See F.B. 3701-101

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM5-42 TO BM5-43A
BM5-42													BM 5-42 Alameda St. & Sepulveda Blvd See FB 1206-40
1	191	297	492	5	195 / 187	8	156	108	457	5	160 / 152	8	
2	169	739	470	5	193 / 145	46 / 56	206	228	507	5	229 / 183	46 / 54	T Kapp
3	164	620	465	5	189 / 139	50 / 104	157	793	458	5	182 / 132	50 / 104	
4	217	709	518	5	243 / 191	52 / 156	198	858	449	5	224 / 172	52 / 156	Summation of Run From B.M. 5-42 To B.M. 5-43A
5	137	932	438	5	162 / 112	50 / 206	134	208	435	5	160 / 108	52 / 208	
6	145	808	446	5	170 / 120	50 / 256	39	280	340	5	64 / 14	50 / 258	Total Backsights = + 1814.981 Total Foresights = − 1254.048 Diff. Elev. = + 560.933
7	212	330	513	5	238 / 186	52 / 310	76	316	377	5	101 / 51	50 / 308	
8	204	529	505	5	229 / 179	50 / 360	85	659	386	5	110 / 60	50 / 358	Backsight stadia = 428
9	214	378	515	5	239 / 189	50 / 410	64	852	365	5	89 / 39	50 / 408	Foresight Stadia = 426 Total Stadia = 854 Meters
10	156	639	457	5	165 / 147	18 / 428	134	746		5	143 / 125	18 / 426	
	1814	981					1254	048					
BM5-43A													BM 5-43A (U.S.C&G.S. K 970) Alameda St. 0.4 mi. S of Sepulveda Blvd See FB 3701-101

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

SURVEY BY F. E. Brown

NOTES BY M. Bustrum DATED 2-16-65 WEATHER Clear

TIME 2:20-2:50 INST. NO. 96716

ROD NO. 9-19

INDEXED DATE NOTES CHKD. G. J. GALL DATE

F.B. 2871 Pg. 1524

F.B. 2871 Pg. 152B JOB NO. 030102

SURVEY OF _____ WEATHER _____ INST. NO. 96716

SURVEY BY _____ NOTES _____ TIME _____ ROD NO. 9-19

INDEXED _____ DATE _____ NOTES CHKD _____ DATE _____

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 MIG.	LEFT.	STADIA	RIGHT MIG.	LEFT.	STADIA	FROM _____ TO _____

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

STATION	BACKSIGHT Right	Mic.	Left.		Stadia		FORESIGHT Right	Mic.	Left.		Stadia		DESCRIPTION AND REMARKS From BM 5-42 To BM 5-41
BM 5-42													BM 5-42 Alameda St. & Sepulveda Blvd.
1	82	170	383	5	98 cc	32	159	733	460	5	175 143	32	See F.B. 1206-40
													T Kapp
BM 5-41													BM 5-41 Alameda St. & Sepulveda Blvd. See F.B. 1206-40

Summation of Run
From B.M. 5-42
To B.M. 5-41

Total Backsights = + 82.170'
Total Foresights = − 159.733'
Diff. Elev. = − 77.563'

Backsight stadia = 32'
Foresight Stadia = 32'
Total Stadia = 64 meters

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

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

NOTES BY E. F. Brooks DATE 15 Feb 1965 TIME 11:10 ROD NO. 9-19

INDEXED DATE NOTES CHKD C. J. Galli DATE 1 Mar 65

F.B. 2871 PG. 153

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. 2871 PG. 154 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY E. E. Brooks NOTES

INDEXED C. J. GAULT DATE

WEATHER Clear INST. NO. 96716

TIME 1140 ROD NO. 9-19

NOTES CHKD DATE APR 1 '65

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 5-41 TO BM 5-42
BM 5-41									BM 5-41 Alameda St. & Sepulveda Blvd.
1	162	380	463	5 178 146 32	84	791	385	5 100 68 32	See F.B. 1206-40
									T Kapp
BM 5-42									BM 5-42 Alameda St. & Sepulveda Blvd. See F.B. 1206-40

Summation of Run
From B.M. 5-41
To B.M. 5-42

Total Backsights = + 162,380
Total Foresights = − 84,791
Diff. Elev. = + 77,589

Backsight stadia = 32
Foresight Stadia = 32
Total Stadia = 64 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
													FROM BM5-41 TO BM5-40D
BM5-41													B.M. 5-41 Alameda St. and Sepulveda Blvd. See F.B. 1206-40
1	171	168	472	5	196 146	50	171	006	472	5	196 146	50	
2.	200	152	501	5	225 175	50 100	141	000	442	5	166 116	50 100	
3.	136	065	437	5	161 111	50 150	160	520	461	5	185 135	50 150	π Mr. Kapp
4.	165	592	466	5	190 140	50 200	155	711	456	5	179 131	48 198	Summation of Run From B.M. 5-41 To B.M. 5-40D
5	157	875	458	5	182 132	50 250	140	303	441	5	169 116	48 246	
6.	162	220	463	5	186 138	48 298	151	053	452	5	176 126	50 296	Total Backsights = + 1494.712
7	194	060	495	5	218 170	48 346	144	556	445	5	168 120	48 344	Total Foresights = − 1309.625
8	141	388	442	5	154 128	26 372	106	971	407	5	120 92	28 372	Diff. Elev. = + 185.087
9	166	192	467	5	169 163	6 378	138	511	439	5	142 134	8 380	Backsight Stadia = 378
	1494	712					1309	625					Foresight Stadia = 380
													Total Stadia = 758 meters
BM5-40D													BM5-40D (L.A. Co FC. BM 111-1262) Alameda St. at Dominguez Channel See F/B 3701-96

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

SURVEY BY E. E. Brooks DATE 2-15-65 WEATHER Clear INST. NO. 2271

NOTES BY M. Rustrum TIME 1:30-12:10 ROD NO. 9-12

INDEXED DATE NOTES CHKD. E. J. GALLI DATE

F.B. 2271 PG. 55

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. 2871 Pg. 156 | JOB NO. 0301.02 | SURVEY OF L.A. Co. Precise Level Net | SURVEY BY E.E. Brook | NOTES FEB | INDEXED C. J. GALL | DATE

WEATHER Clear | TIME 10:50 — 11:15 | NOTES CHKD | INST. NO. 96716 | ROD NO. 9-19 | DATE APR 1 1965

STATION	BACKSIGHT Right	Mic.	Left	Stadia			FORESIGHT Right	Mic.	Left	Stadia			DESCRIPTION AND REMARKS
													From BM5-40D To BM5-41
BM5-40D													BM5-40D (L.A.Co.F.C. BM 111-1262 D)
1	165	578	466	5	171 / 159	12	220	202	521	5	226 / 214	12	Alameda St. at Dominguez Channel
2	153	886	454	5	163 / 143	20 / 32	145	215	446	5	154 / 136	18 / 30	See FB 3701-96
3	129	648	430	5	153 / 105	48 / 80	195	687	496	5	219 / 171	48 / 98	Summation of Run From B.M. 5-40D To B.M. 5-41
4	151	831	452	5	176 / 126	50 / 130	163	208	464	5	187 / 139	48 / 126	
5	150	405	451	5	174 / 126	48 / 178	100	162	461	5	185 / 135	50 / 176	
6	149	608	450	5	173 / 125	48 / 226	166	400	467	5	191 / 141	50 / 226	Total Backsights = + 1246.020 v Total Foresights = − 1431.005 v Diff. Elev. = −184.985 v
7	160	790	461	5	185 / 135	50 / 276	126	240	427	5	152 / 100	52 / 278	
8	146	064	447	5	171 / 121	50 / 326	77	970	378	5	102 / 52	50 / 328	
9	38	210	339	5	64 / 12	52 / 378	175	921	476	5	200 / 150	50 / 378	Backsight stadia = 378' Foresight Stadia = 378' Total Stadia = 756' meters
	1246	020					1431	005					
BM5-41													BM5-41 Alameda St. & Sepulveda Blvd. See FB 1206-40

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 E.E. Brooks DATE 15 Feb 1965 WEATHER Clear INST. NO. 9276

NOTES BY E.E. Brooks TIME 1:15-1:20 ROD NO. 9-19

INDEXED DATE NOTES CHKD. G. J. GALLA DATE

F.B. 28 PG. 15

STATION	BACKSIGHT Right	Mic.	Left.	Stadia		FORESIGHT Right	Mic.	Left.	Stadia		DESCRIPTION AND REMARKS
											From BM5-40 D To BM5-40C
BM5-40D											BM5-40 D (L.A.C.F.C. BM 111-12626) Alameda St. at Dominguez Channel see F.B. 3701-96
1	167	389	468	5	173 161 12	220	612	521	5	226 214 12	
2	102	189	403	5	119 87 36	139 ~~138~~	010	~~420~~	5	156 122 34	
	269	578			42	359	622			46	K Kapp
BM5-40C											BM5-40C (L.A.C.F.C. BM 111-93) Alameda St. at Dominguez Channel see F.B. 3701-95

Summation of Run
From B.M. 5-40 D
To B.M. 5-40 C

Total Backsights = + 269.578
Total Foresights = − 359.622
Diff. Elev. = − 90.044

Backsight stadia = 42
Foresight Stadia = 46
Total Stadia = 88 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.

F.B. 4871 PG. 156 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

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

INDEXED C. J. GALL DATE

WEATHER Clear INST. NO. 96-76

TIME 10:45-10:50 ROD NO. 9-19

NOTES CHKD. [illegible] DATE APR 1 '65

STATION	BACKSIGHT Right	Mic.	Left.	Stadia	FORESIGHT Right	Mic.	Left.	Stadia	DESCRIPTION AND REMARKS
									FROM BM 5-40 C TO BM 5-40 D
BM 5-40C									BM 5-40C (L.A.C.F.C. BM 111-93) Alameda St. and Dominguez Channel
1	140	198	441	5 156 124 32	104	800	405	5 119 89 30	See F.B. 3701-95
2	219	108	520	5 225 213 12 44	164	475	465	5 170 158 12 42	T Kapp
	359	306			269	275			
BM 5-40D									BM 5-40 D. (L.A.C.F.C. BM 111-12620) Alameda St. and Dominguez Channel See F.B. 3701-96

Summation of Run
From B.M. 5-40C
To B.M. 5-40D

Total Backsights = + 359.306
Total Foresights = − 269.275
Diff. Elev. = + 90.031

Backsight stadia = 44
Foresight Stadia = 42
Total Stadia = 86 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
													FROM BM5-40C TO BM5-40B
BM5-40C													BM 5-40C (L.A.C.F.C. BM 111-932) Alameda St. and Dominguez Channel
	237	120	538	5	260 / 214	46	160	682	441	5	182 / 138	44	See F.B. 3701-95
													T Kapp
BM5-40B													BM5-40B (L.A.C.F.C. BM 111-12615) Alameda St. and Dominguez Channel. See F.B. 3701-95
													Summation of Run From B.M. 5-40C To B.M. 5-40B
													Total Backsights = 237.120 Total Foresights = − 160.682 Diff. Elev. = +76.438
													Backsight stadia = 46 Foresight Stadia = 44 Total Stadia = 90 meters

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

SURVEY BY F. E. Brooks DATE 15 Feb 1965 WEATHER clear

NOTES BY F. E. Brooks TIME 1:30 INST. NO. 9411

INDEXED DATE NOTES CHKD G. J. GALLI DATE ROD NO. 9-19

F.B. 2871 PG. 159

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. 2871 PG. 160 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY F. E. Brooks NOTES FEB
INDEXED C. J. GALLI DATE
WEATHER Clear INST. NO. 2-716
TIME 10:40 ROD NO. 2-12
NOTES CHKD. DATE APR 1 '65

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM BM 5-40B TO BM 5-40C
BM 5-40 B							BM 5-40 B (L.A.C.F.C. BM 111-12615) Alameda St. and Dominguez Channel
	163 357	464 5	185 141 44	239 729	540 5	262 216 46	See F.B. 3701-95
							π Kapp.
BM 5-40C							BM 5-40 C (L.A.C.F.C. BM 111-93) Alameda St. and Dominguez Channel See F.B. 3701-95

Summation of Run
From B.M. 5-40B
To B.M. 5-40C

Total Backsights = + 163.357'
Total Foresights = − 239.729'
Diff. Elev. = − 76.372'

Backsight stadia = 44'
Foresight Stadia = 46'
Total Stadia = 90' 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						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 5-40B TO BM 5-40A
BM 5-40B													BM 5-40B (L.A. Co. F.C. BM 111-1201.5) Alameda St. and Domingvez Channel
	122	190	423	5	130/114	16	248	200	549	5	255/241	14	See F.B. 3701-95
													T. Kopp
BM 5-40A													BM 5-40A Alameda St. and Domingvez Channel. See F.B. 1206-39

Summation of Run
From B.M. 5-40B
To B.M. 5-40A

Total Backsights = + 122.190
Total Foresights = − 248.200
Diff. Elev. = − 126.010

Backsight stadia = 16
Foresight Stadia = 14
Total Stadia = 30 meters

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

SURVEY BY F. E. Brooks WEATHER Clear INST. NO. 24716

NOTES BY F. E. Brooks DATE 15 Feb 1965 TIME 1:35 ROD NO. 9-18

INDEXED DATE NOTES CHKD C. J. GALLI DATE

F.B. 2871 PG. 161

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. 284 PG. 162 JOB NO. 0321.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY F. E. Brooks NOTES EEB

INDEXED C. J. GALL DATE

WEATHER Clear

TIME 11:35

NOTES CHKD. [illegible] DATE MAR 1 '65

INST. NO. 82716

ROD NO. 8-18

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM5-40A TO BM5-40B
BM5-40A									BM5-40A Alameda St. and Dominguez Channel
	258	368	559	5 266 250 10	132	340	433	5 141 123 18	See F.B. 1206-39
									T Kapp
BM5-40B									BM5-40B (L.A.C. F.B. 111-12L15 BM) Alameda St. and Dominguez Channel See F.B. 3701-85

Summation of Run
From B.M. 5-40A
To B.M. 5-40B

Total Backsights = + 258.358
Total Foresights = − 132.340
Diff. Elev. = +126.018

Backsight Stadia = 16
Foresight Stadia = 18
Total Stadia = 34 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
													FROM BM5-40A TO BM5-~~79~~ 39C
BM5-40A													BM 5-40A Alameda St. and Dominguez Channel See F.B. 1206-39
1	185	678	486	5	214 / 156	58	133	342	434	5	162 / 104	58	
2	158	492	459	5	182 / 134	48 / 106	140	378	441	5	163 / 107	46 / 104	T Kapp
3	162	532	463	5	188 / 136	52 / 156	152	020	453	5	177 / 127	50 / 154	
4	166	180	467	5	190 / 142	48 / 204	152	960	453	5	177 / 127	50 / 204	
5	163	420	464	5	188 / 138	50 / 254	155	078	456	5	180 / 130	50 / 254	
6	170	878	471	5	194 / 146	48 / 304	145	758	446	5	169 / 121	48 / 302	
7	140	346	441	5	151 / 129	22 / 326	151	691	452	5	160 / 142	16 / 320	
	1149	526					1031	207					
BM5-~~79~~ 39C													BM5-~~79~~ 39C Alameda St. (2d Dept BM #5) 1145 ft. S. of E. 223rd St. See F.B. 3701-91

Summation of Run
From B.M. 5-40A
To B.M. 5-~~79~~ 39C

Total Backsights = + 1149.526
Total Foresights = − 1031.207
Diff. Elev. = + 116.319

Backsight stadia = 326
Foresight Stadia = 320
Total Stadia = 646 meters

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks
NOTES BY F. E. Brooks DATE 15 Feb 1945 WEATHER Clear
TIME 1:40 - 2:10 INST. NO. 2474
INDEXED DATE NOTES CHKD C. J. GALL DATE ROD NO. F-12
F.B. 2871 PG. 163

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear INST. NO. 92716
TIME 10:20-10:35 ROD NO. 9-11
NOTES CHKD. DATE

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
39C									FROM BM5-~~39~~ 39C TO BM5-40A
BM5-~~39~~									BM5-~~39~~ 39C (Rd. Dept BM45) Alameda St. 1145 ft. S. of E. 223rd St See F.B. 3701-91
1	161	384	462 5	172 150 22	150	521	451 5	160 140 20	
2	143	015	444 5	167 119 48 70	167	810	468 5	141 143 48 68	
3	153	072	454 5	178 128 50 120	160	964	461 5	165 135 50 118	
4	151	410	452 5	176 126 50 170	165	724	466 5	189 141 48 166	
5	151	028	452 5	176 126 50 220	161	158	462 5	188 134 54 220	
6	141	861	442 5	164 116 46 266	159	031	460 5	183 135 48 268	
7	137	670	438 5	166 108 58 324	190	678	491 5	219 161 58 326	
	1039	440			1155	886			
BM5-40A									BM5-40A Alameda St. and Domingues Channel See F.B. 1206-39

Summation of Bm
From B.M. 5-~~39~~ 39 C
To B.M. 5-40A

Total Backsights = + 1039.440
Total Foresights = − 1155.886
Diff. Elev. = − 116.446

Backsight Stadia = 324
Foresight Stadia = 326
Total Stadia = 650

F.B. 2871 Pg. 164 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY F. E. Brooks NOTES M. Bustrino
INDEXED B. J. GALLA DATE

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 MID.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MID.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM 5-~~79~~ 39C TO BM 5-~~78~~ 39B
BM 5-~~79~~ 39C									BM 5-~~79~~ 39C (Rd. Dept BM #5)
1	156	241	457	5 162 150	12	161	092	462 5 167 155	12 Alameda St. 1045± ft. S. of E. 223rd St. See F.B. 3701-91
									T Kapp
									Summation of Run From B.M. 5-~~79~~ 39C To B.M. 5-~~78~~ 39B
BM 5-~~78~~ 39B									BM 5-~~78~~ 39B (Rd. Dept BM #6) Alameda St. 1070± FT. S. of E. 223rd St. See FB 3701-91
									Total Backsights = + 156.241 Total Foresights = − 161.092 Diff. Elev. = − 4.851
									Backsight Stadia = 12 Foresight Stadia = 12 Total Stadia = 24

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

SURVEY BY F. E. Brooks WEATHER Clear

NOTES BY M. Rustem DATE 2-15-65 TIME 2:15 INST. NO. 9671

INDEXED DATE NOTES CHKD C. J. GALLI DATE ROD NO. 8-18

F.B. 3871 PG. 165

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. 26716 ROD NO. 9-19 DATE APR 1 '65

WEATHER Clear TIME 10:15 NOTES CHKD

STATION	BACKSIGHT Right	Mic.	Left.	Stadia	FORESIGHT Right	Mic.	Left.	Stadia	DESCRIPTION AND REMARKS
									From BM 5-~~78~~ 39B To BM 5-~~79~~ 39C
BM5-~~78~~ 39B									BM 5-~~78~~ (L.A. Rd BM #6)
1	167	843	468 5	173 161 12	162	918	463 5	168 156 12	Alameda St. 1070 FT ± S. of E 223rd St.
									See FB 3701-91
									Summation of Run
									From B.M. 5-~~78~~ 39B
									To B.M. 5-~~79~~ 39C
BM5-~~79~~ 39C									BM5-~~79~~ 39C
									(Rd BM # 5)
									Alameda St. 1145 FT ± S. of E 223 Rd St.
									See FB 3701-41
									Total Backsights = + 167.843
									Total Foresights = − 162.918
									Diff. Elev. = + 4.925
					Foresight Stadia			12	
					Total Stadia			= 12 / 24 meters	

F.B. 2871 Pg. 166 JOB NO. 030102

SURVEY OF

SURVEY BY G. J. GANTES M. Bustamante

INDEXED DATE

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 CORRECTED 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 BM5-~~78~~ 39B TO BM5-39A
BM5-~~78~~ 39B													BM5-~~78~~ 39B (Rd. Dept BM #6) Alameda St. 1070± ft. S. of E. 223rd St. See F.B. 3701-91
1.	182	661	483	5	206 158	48	144	310	445	5	168 120	48	
2.	156	888	457	5	179 133	46 94	150	662	451	5	174 126	48 96	T K dpb
3.	161	530	462	5	186 136	50 144	123	283	424	5	147 99	48 144	
4	166	691	467	5	190 142	48 192	181	190	482	5	204 158	46 190	Summation of Run From B.M. 5-~~78~~ 39B To B.M. 5-39A
5	151	006	452	5	168 134	34 226	44	585		5	62 26	36 226	Steel tape used
	818	776					644	030					
BM5-39A													BM5-39A (U.S.C.&G.S. L-970) Alameda & 5th St. & San Diego Freeway See FB 3701-89

Backsight stadia = 226
Foresight Stadia = 226
Total Stadia = 452

Total Backsights = + 818.776
Total Foresights = − 644.030
Diff. Elev. = +174.746

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks
NOTES BY M. Bustrum DATE 2-15-65
WEATHER Clear
TIME 2:20-2:40 ROD NO. 818
INST. No. 961
F.B. 2871 Pg. 162
INDEXED DATE
NOTES CHKD C. J. GALLIE DATE

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. 2811 PG. 168 JOB NO. 03M.02
SURVEY OF T. T. Rd. Bench Mark
SURVEY BY F. E. Brooks NOTES F. E. Brooks
INDEXED C. J. GALLE DATE
WEATHER Clear INST. NO. 26716
TIME 9:45 - 10:20 ROD NO. 9-19
NOTES CHKD DATE APR 1 '65

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM BM 5-39A TO BM 5-~~38~~ 39B
BM 5-39A									BM 5-39A (U.S.C.&G.S. 1918) Alameda St. & San Diego Freeway See FB 3701-89
1	52	243		69 / 35 34	158	012	459	5 175 / 141 34	
2	182	022	483	5 226 / 158 48 / 82	169	052	470	5 193 / 145 48 / 82	Steel tape used on backsight
3	123	990	424	5 141 / 99 48 / 130	160	680	461	5 185 / 135 50 / 132	Summation of Run From B.M. 5-39A To B.M. 5-~~38~~ 39B
4	151	920	452	5 175 / 127 48 / 178	159	289	460	5 182 / 136 46 / 198	
5	142	850	443	5 165 / 119 46 / 224	180	802	481	5 204 / 156 48 / 226	T Kopp
	653	025			827	835			
BM 5-~~38~~ 39B									BM 5-~~38~~ 39B (Rd BM #6) Alameda St. 1070 ± S. of F. 223 Rd. St. See FB 3701-91

Backsight stadia = 224
Foresight Stadia = 226
Total Stadia = 450 meters

Total backsights = + 653.025
Total Foresights = − 827.835
Diff. Elev. = − 174.810

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
NOTES BY F. E. Brooks
DATE 15 Feb 1965
WEATHER clear
TIME 2:45 - 3:15
INST. NO. 2411
ROD NO. 103
INDEXED
DATE
NOTES CHK'D C. J. GALL
DATE
F.B. 2871 PG. 167

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 5-39A TO BM 5-38
BM 5-39A													BM 5-39A (USC&GS L-970) Alameda St. and San Diego Freeway. See F.B. 3701-89
1	57	071			59 55	4	149	090	450	5	151 147	4	steel tape used on Back sight
2	144	242	445	5	168 120	48 52	146	772	447	5	170 122	48 52	Kapp
3	164	920	465	5	190 138	52 104	152	853	453	5	178 126	52 104	
4	165	528	466	5	189 141	48 152	134	919	437	5	160 112	48 152	Summation of Run From B.M. 5-39 To B.M. 5-38
5	164	100	465	5	189 139	50 202	159	760	460	5	183 135	48 200	Total Backsights = + 1343.888' Total Foresights = − 1228.489' Diff. Elev. = +115.399'
6	160	847	461	5	184 136	48 250	150	080	451	5	174 126	48 248	
7	159	940	460	5	184 134	50 300	154	499	455	5	179 129	50 298	Backsight stadia = 368' Foresight Stadia = 364 Total Stadia = 732 meters
8	167	028	468	5	193 141	52 350	154	061	455	5	180 128	52 350	
9	160	212	461	5	168 152	16 366	23	805			30 16	14 364	steel tape used on Foresight
	1343	888					1228	489					
BM 5-38													BM 5-38 (USC&GS D-169) Alameda St. and Carson St. See F.B. 1206-37

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. 1871 PG. 170 JOB NO. 0361.02

SURVEY OF L.A. Co. Precise Level Net

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

INDEXED C. J. GALLI DATE

WEATHER Clear INST. NO. 91916

TIME 9:15 - 9:40 ROD NO. 2-16

NOTES CHKD. [illegible] DATE APR 1 '63

STATION	BACKSIGHT Right	Mic.	Left	Stadia			FORESIGHT Right	Mic.	Left	Stadia			DESCRIPTION AND REMARKS
													FROM BM 5-38 TO BM 5-39A
BM 5-38													BM 5-38 (USC&GS D-167) Alameda St. and Carson St. See F.B. 1206-37
1	23	900		29 / 17		12	159	678	460	5	167 / 150	17	steel tape used on Backsight
2	155	435	456	5	181 / 129	52 / 64	168	623	469	5	194 / 142	52 / 69	T Kopp
3	159	952	460	5	165 / 133	52 / 116	165	759	466	5	189 / 141	48 / 117	Summation of Run From B.M. 5-38 To B.M. 5-39A
4	146	352	447	5	170 / 122	48 / 164	155	400	456	5	179 / 131	48 / 165	
5	161	162	462	5	160 / 136	50 / 214	165	772	466	5	190 / 140	50 / 215	Total Backsights = + 1261.242
6	136	790	437	5	160 / 112	48 / 262	165	435	466	5	189 / 141	48 / 263	Total Foresights = − 1376.620
7	155	340	456	5	181 / 129	52 / 314	168	541	469	5	194 / 142	52 / 315	Diff. Elev. = −115.378
8	160	469	451	5	174 / 126	48 / 362	161	680	462	5	184 / 138	46 / 361	Backsight Stadia = 366
9	171	642	472	5	173 / ~~172~~ / 169	4 / 366	165	232			69 / 63	4 / 365	Foresight Stadia = 365
	1261	242					1376	620					Total Stadia = 731 meters
													steel tape used on Foresight
BM 5-39A													BM 5-39A (USC&GS L-970) Alameda St. and San Diego Fwy. See F.B. 3701-29

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	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													From BM 5-38 To BM 5-37
BM 5-38													BM 5-38 (US C&GS D-169) Alameda St. and Carson St.
1.	22	589			29 25	14	156	980	457	5	162 150	12	See F.B. 1206-37
2	179	250	480	5	207 151	56	156	802	457	5	183 129	54	π Kopp
3.	164	709	465	5	192 136	56	154	573	455	5	183 125	58	Summation of Run From B.M. 5-38 To B.M. 5-37
4.	167	278	468	5	194 140	54	148	950	449	5	174 122	52	
5	169	502	470	5	197 141	56	167	525	468	5	176 138	58	
6.	183	584	484	5	210 156	54	157	298	458	5	184 130	54	Total Backsights = + 1394.360'
7	167	473	468	5	196 138	58	147	040	448	5	174 120	54	Total Foresights = − 1512.316'
8	172	650	473	5	196 148	48	155	800	456	5	181 129	52	Diff. Elev. = − 117.956'
9.	167	320	468	5	182 152	30	267	348	568	5	281 253	28	Backsight stadia = 426'
	1394	360				426	1512	316				422	Foresight Stadia = 422'
													Total Stadia = 848' meters
BM 5-37													BM 5-37 (US C&GS R 768) Alameda St. and Dominguez St. See F.B. 1206-36

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

SURVEY BY F. E. Brooks WEATHER Clear

NOTES BY M. Bostrom DATE 2-15-65 TIME 3:25-3:50 INST. NO. 96121

INDEXED DATE NOTES CHKD. J. CALLI DATE 6-1-65 ROD NO. 8-19

F.B. 2511 PG. 111

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. 12776 ROD NO. 5-19 DATE APR 1 '63

WEATHER Clear TIME 8:40-9:15 NOTES CHKD. WJM

F.B. 2871 PG. 172 JOB NO. SURVEY OF L. A. Co. SURVEY BY F. E. Brooks NOTES W. Bustamante INDEXED C. J. GALLE DATE

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA
BM5-37								
1	262	700	563 5	276 / 248 28	161	652	462 5	176 / 146 30
2	155	270	456 5	180 / 130 50 / 78	172	772	473 5	197 / 147 50 / 80
3	146	100	447 5	173 / 119 54 / 132	166	610	467 5	193 / 139 54 / 134
4	154	493	455 5	184 / 124 60 / 172	161	379	462 5	207 / 155 52 / 186
5	169	100	470 5	196 / 142 54 / 246	182	600	483 5	211 / 153 58 / 244
6	161	159	462 5	189 / 133 56 / 302	167	250	468 5	194 / 140 54 / 298
7	156	680	457 5	184 / 128 56 / 358	167	240	468 5	197 / 137 60 / 358
8	153	695	454 5	180 / 126 54 / 412	174	835	475 5	202 / 146 56 / 414
9	156	373	457 5	162 / 150 12 / 424	123	310	5	30 / 16 14 / 428
	1515	570			1397	648		
BM5-38								

FROM BM 5-37 TO BM5-38

BM5-37 (U.S.C.&G.S. R 768 Alameda St. & Dominguez St. See FB 1206-36

TT Kapp

Summation of Run
From B.M. 5-37
To B.M. 5-38

Total Backsights = + 1515.570
Total Foresights = − 1397.648
Diff. Elev. = + 117.922

Backsight stadia = 424
Foresight Stadia = 428
Total Stadia = 852

BM5-38 (U.S.C.&G.S. D 167) Alameda St & Carson St. See FB 1206-37

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 BM5-37 TO BM5-36
BM5-37													BM5-37 (USC&GS R 768) Alameda St. and Dominguez St. See FB. 1206-36
1.	296	653	597	5	296 270	26 x 2 52	177	940	478	5	202 152	50	
2	114	000	415	5	141 87	54 106	153	370	454	5	180 126	54 104	T Kapp
3	163	369	464	5	188 138	50 156	132	738	433	5	157 107	50 154	
4	149	953	450	5	176 122	54 210	149	853	450	5	176 122	54 208	Summation of Run From B.M. 5-37 To B.M. 5-36
5	163	960	464	5	188 138	50 260	149	810	450	5	174 124	50 258	
6	165	151	466	5	191 139	52 312	136	074	439	5	164 112	52 310	Total Backsights = + 1615.593 Total Foresights = − 1284.286
7	152	756	453	5	178 126	52 364	149	560	450	5	174 124	50 360	Diff. Elev. = + 331.307
8	170	076	471	5	196 144	52 416	155	830	456	5	183 127	56 416	
9.	239	657	540	5	266 212	54 470	177	111	378	5	105 49	56 472	Backsight stadia = 470 Foresight Stadia = 472 Total Stadia = 942 meters
	1615	593					1284	286					
BM5-36													BM5-36 (Compto. 1-7) Alameda St & Del Amo Blvd See FB 1206-35

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

SURVEY BY F. E. Brock

NOTES BY M. Stum DATE 2-17-65 WEATHER Clear TIME 8:35-9:10 INST. No 967 ROD No. 9-19

INDEXED DATE NOTES CHK. J. GALLE DATE JUN 1 65

F.B. 2811 PG. 173

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear INST. NO. 96-716
TIME 2:00 - 2:40 ROD NO. 9-19
NOTES CHKD. DATE APR 1 '65

F.B. 2811 PG. 174 JOB NO. 030102
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY F. E. Brooks NOTES K. M. Kapp
INDEXED G. J. GALLE DATE

STATION	BACKSIGHT Right	Mic.	Left.	Stadia	FORESIGHT Right	Mic.	Left.	Stadia	DESCRIPTION AND REMARKS
									FROM BM 5-36 TO BM 5-37
BM 5-36									BM 5-36 (Compton J-7) Alameda St. & Del Amo Blvd. See FB 1206-35
1	77	503	378	5 105 49 56	245	778	546	5 272 218 54	
2	152	079	453	5 179 125 54 110	125	403	426	5 152 98 54 108	T R.R. Rodriguez
3	109	609	410	5 134 84 50 160	137	693	438	5 162 112 50 158	
4	121	920	422	5 148 94 54 214	130	382	431	5 157 103 54 212	Summation of Run From B.M. 5-36 To B.M. 5-37
5	138	158	439	5 162 114 48 262	159	152	460	5 184 134 50 262	
6	146	015	447	5 173 119 54 316	160	777	461	5 187 133 54 316	
7	158	490	459	5 182 134 48 364	152	631	453	5 178 126 52 368	Total Backsights = + 1148.721 ✓
8	116	264	417	5 147 88 56 420	79	693	380	5 107 51 56 424	Total Foresights = − 1479.790 ✓
9	128	683 ~~673~~	429	5 154 102 52 472	288	281	589	5 288½ 263 25 50 474	Diff. Elev. = − 331.069 ✓
	1148	721 ✓			1479	790 ✓			Backsight stadia = 472 ✓ Foresight Stadia = 474 ✓ Total Stadia = 946 meters
BM 5-37									BM 5-37 (U.S.C. & G.S. R768) Alameda St & Dominguez St. See FB 1206-36

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 BM5-36 TO BM5-35
BM5-36													BM5-36 (Compton S-7) Alameda St. and Del Amo Blvd. See F.B. 1206-35
	139	752	440	5	155 123	32	229	341	530	5	243 215	28	
													T Kapp
BM5-35													BM5-35 (USCGS S-C15) Alameda St. and Del Amo Blvd. See F.B. 1206-35

Summation of Run
From B.M. 5-36
To B.M. 5-35

Summation of Run

Total Backsights = + 139.752
Total Foresights = − 229.341
Diff. Elev. = − 89.589

Backsight stadia = 32
Foresight Stadia = 28
Total Stadia = 60 meters

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

SURVEY BY E. E. Brooks
NOTES BY E. E. Brooks
DATE 17 Feb 1965
WEATHER Clear
TIME 9:15
INST. NO. 4696
ROD NO. 8-18
INDEXED
DATE
NOTES CHKD C. J. GALL
DATE
F.B. 2871
PG. 175

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. 2817 PG. 116 JOB NO. 0301.02

SURVEY OF [illegible] Co. Precise Level Line

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

INDEXED C. J. Gallt DATE

WEATHER Clear INST. NO. 96716

TIME 1:50 ROD NO. 2-19

NOTES CHKD [illegible] DATE MAR 1 '65

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 5-35 TO BM 5-36
BM 5-35									BM 5-35 (USC&GS S-615) Alameda st. and Del Amo Blvd. See F.B. 1206-35
1	229	022	530	5 243 215 28	139	483	440	5 155 123 32	TRR. Rodriguez
BM 5-36									BM 5-36 (Compton S-7) Alameda st. and Del Amo Blvd. See F.B. 1206-35

Summation of Run

From B.M. 5-35

To B.M. 5-36

Total Backsights = + 229.022'

Total Foresights = − 139.483'

Diff. Elev. = + 89.539

Backsight Stadia = 28'

Foresight Stadia = 32'

Total Stadia = 60 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.

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

SURVEY BY F. F. Brock

NOTES BY F. F. Brock

DATE 17 Feb 1965

WEATHER Clear

TIME 9:20 - 9:45

INST. No. 2671

ROD No. 2-18

F.B. 1201

Pg. 177

INDEXED

DATE

NOTES CHKD. G. J. GALLI

DATE

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM5-35 TO BM5-33
BM5-35													BM5-35 (USC&GS 5-415) Alameda St. and Del Amo Blvd. See FB. 1201-35
1	119	214	418	5	143 41	52	134	470	435	5	160 108	52	
2	156	586	457	5	180 132	48 100	136	831	437	5	160 112	46 100	
3	171	130	472	5	197 145	52 152	140	825	441	5	165 115	50 152	T Kapp
4	183	000	484	5	212 154	58 210	148	696	449	5	176 120	56 208	
5	169	362	470	5	196 142	54 264	131	303	432	5	159 103	56 262	
6	168	470	469	5	193 143	50 314	141	542	442	5	166 116	50 312	
7	219	620	520	5	250 186	62 376	107	633	408	5	138 76	62 374	
	1185	610					942	000					
BM5-33													BM5-33 (USC&GS P-716) Alameda St. near Bldg # 19600 See FB. 1201-33

Summation of Run
From B.M. 5-35
To B.M. 5-33

Total Backsights = + 1185.610
Total Foresights = − 942.000
Diff. Elev. = + 243.610

Backsight stadia = 376
Foresight Stadia = 374
Total Stadia = 750 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.

F.B. 1871 PG. 178 JOB NO. 0361.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY E. Brooks NOTES FEB

INDEXED C. J. GALLE DATE

WEATHER Clear INST. NO. 96716

TIME 1:10 - 1:35 ROD NO. 1-69

NOTES CHKD DATE APR 1 '63

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													FROM BM 5-33 TO BM 5-35
BM 5-33													BM 5-33 (USC&GS P-766) Alameda St. near Bldg # 19600 See F.B. 1206-33
1	113	741	414	5	144 82	62	225 ~~449~~	558	526 ~~544~~	5	257 193	64	
2	134	884	435	5	159 109	50 110	156	837	457	5	181 131	50 114	T Rodriguez
3	128	173	429	5	156 100	56 168	167	289	468	5	194 140	54 168	
4	136	432	437	5	164 106	58 224	178	507	479	5	206 150	56 224	
5	136	864	437	5	161 111	50 274	166	733	467	5	191 140	51 275	
6	137	999	438	5	162 113	49 323	167	152	468	5	192 143	49 324	
7	149	614	450	5	174 123	51 374	119	117	420	5	145 93	52 376	
	937	707					1181	193					
BM 5-35													BM 5-35 (USC&GS S-615) Alameda St. and Del Amo Blvd. See F.B. 1206-35

Summation of Run
From B.M. 5-33
To B.M. 5-35

Total Backsights = + 937.707
Total Foresights = − 1181.193
Diff. Elev. = −243.486

Backsight stadia = 374
Foresight Stadia = 376
Total Stadia = 750 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 FROM BM 5-33 TO BM 5-32
BM5-33													BM5-33 (USC&GS P-768) Alameda St. near bldg # 19600 See F.B. 1206-33
1	128	629	429	5	148 108	40	121	959	422	5	142 100	42	T Kapp
BM5-32													BM 5-32 (Compton S-6) Alameda St. 0.5 mi N. of Del Amo Blvd See FB 1206-32

Summation of Run
From B.M. 5-33
To B.M. 5-32

Total Backsights = + 128.629
Total Foresights = − 121.959
Diff. Elev. = + 6.670

Backsight stadia = 40
Foresight Stadia = 42
Total Stadia = 82 meters

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY L.E. Brooks
NOTES BY W. Bustillo DATE 2-11-65 WEATHER Clear TIME 10:00 ROD NO. 8-12 INST. NO. 2671
INDEXED DATE NOTES CHKD C. J. GALLI DATE 1-1-65
F.B. 2871 PG. 178

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear INST. NO. 96716
TIME 1:00 ROD NO. 9-18
NOTES CHKD DATE APR 1 '68

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM5-32 TO BM5-33
BM5-32									BM5-32 (Compton 5-6) Alameda St. 0.5 mi N. of Del Amo Blvd.
	127	688	428	5 147 107 40	134	503	434	5 156 112 44	See F.B. 1206-32
									T ~~Bustrum~~ Rodriguez
BM5-33									BM5-33 - (USC&GS P.768) Alameda St. near Bldg # 19600 See F.B. 1206-33

Summation of Run
From B.M. 5-32
To B.M. 5-33

Total Backsights = + 127.688
Total Foresights = − 134.503
Diff. Elev = − 6.815

Backsight Stadia = 40
Foresight Stadia = 44
Total Stadia = 84 meters

F.B. 2871 PG. 180 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net
SURVEY BY F. E. Brooks NOTES F.E.B.
INDEXED C. J. GALLI DATE

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 E.E. Brook

NOTES BY M. Bustrum DATE 2-17-65 WEATHER Clear

TIME 10:05 - 10:35 INST. NO. 9616

ROD NO. 9-19

INDEXED DATE NOTES CHKD. C. J. GALL DATE

F.B. 2,871 PG. 181

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													FROM BM 5-32 TO BM 5-31
BM5-32													BM5-32 (Compton J-6) Alameda St. 0.5 mi N. of Del Amo Blvd. See F.B. 1206-32
1	183	145	484	5	208 158	50	134	188	435	5	158 110	48	
2	159	412	460	5	183 135	48 98	139	509	440	5	163 115	48 96	T Kapp
3	157	770	458	5	183 131	52 150	163	013	464	5	190 136	54 150	
4	176	452	477	5	201 151	50 200	142	569	443	5	166 118	48 198	Summation of Run From B.M. 5-32 To B.M. 5-31
5	144	077	445	5	168 120	48 248	118	451	419	5	143 93	50 248	
6	128	385	429	5	153 103	50 298	108	911	409	5	133 83	50 298	
7	179	723	480	5	209 149	60 358	158	441	459	5	187 129	58 356	Total Backsights = + 1228.715 Total Foresights = − ~~1237~~ 1040.806 Diff. Flow = ~~+188~~ 187.909
8	99	751	400	5	112 86	26 384	175	724	376	5	88 62	26 382	
	1228	715					~~1057~~ 1040	806					Backsight stadia = 384 Foresight Stadia = 382 Total Stadia = 766 meters
9													
BM5-31													BM5-31 (U.S. C&G.S. F 52) Alameda St at Dominguez Junction See FB 1206-B1

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. 2871 PG. 182 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level

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

INDEXED C. J. GALLE DATE

WEATHER Clear INST. NO. 96716

TIME 11:20-11:55 ROD NO. 9-19

NOTES CHKD DATE APR 1 '65

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS From BM5-31 To BM5-32
BM5-31									BM5-31 (USC&GS F52) Alameda St at Dominguez Junction See FB 1206-31
1	67	575	368 5	80 54 26	92	103	393 5	106 78 28	
2	157	657	458 5	186 128 58 84	178	677	479 5	208 148 60 88	⊤ Bustrum
3	99	913	400 5	125 73 52 136	119	353	420 5	143 95 48 136	Summation of Run From B.M. 5-31 To B.M. 5-32
4	110	925	411 5	135 86 49 185	158	925	459 5	183 133 50 186	
5	146	477	447 5	171 121 50 235	139	478	440 5	164 114 50 236	
6	114	867	415 5	142 86 56 291	150	193	451 5	176 124 52 288	Total Backsights = + 935.619
7	128	277	429 5	152 104 48 339	125	137	426 5	149 101 48 336	Total Foresights = − 1123.514
8	109	928	410 5	133 85 48 387	159	648	460 5	185 133 52 388	Diff. Elev. = −187.895
	935	619			1123	514			Backsight Stadia = 387
									Foresight Stadia = 388
									Total Stadia = 775 meters
BM5-32									BM5-32 (Compton J-6) Alameda St 0.5 mi N of Del Amo Blvd See FB 1206-32

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 E. E. Brooks | NOTES BY E. E. Brooks | DATE 17 Feb 1965 | WEATHER Clear | TIME 10:40 - 10:45 | INST. NO. 96 | ROD NO. 2-19

INDEXED | DATE | NOTES CHKD. C. J. GALLI | DATE

F.B. 1871 PG. 187

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM5-31 TO BM5-30
BM5-31													BM 5-31 (DSC&GS F-52) Alameda St. at Dominguez Junction. See F.B. 1206-31
1	138	720	439	5	163 / 113	50	122	720	423	5	146 / 98	48	
2	203	205	504	5	224 / 182	42 / 92	152	217	453	5	173 / 131	42 / 90	T Kapp
	341	925					274	937					
BM5-30													BM 5-30 (Compton K-5) Alameda St. at Dominguez Junction See F.B. 1206-30

Summation of Run
From B.M. 5-31
To B.M. 5-30

Total Backsights = + 341.925
Total Foresights = − 274.937
Diff. Elev. = +66.988

Backsight Stadia = 92
Foresight Stadia = 90
Total Stadia = 182 meter

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear INST. NO. 2-716
TIME 11:00 - 11:05 ROD NO. 9-19
NOTES CHKD. DATE APR 1 '65

SURVEY OF L.A. Co. Precise Level Line
SURVEY BY F. E. Brooks NOTES F.B.
INDEXED C. J. GALLE DATE
JOB NO. 0301.02
F.B. 1206-31 PG. 184

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM BM5-30 TO BM5-31
BM5-30							BM5-30 (Compton K-5) Alameda St. at Dominguez Junction See F.B. 1206-30
1	144 779	445 5	165 123 42	195 289	496 5	216 174 42	
2	117 005	418 5	142 93 49 91	133 569	434 5	158 108 50 92	
	261 784			328 858			π Bustum
BM5-31							BM5-31 (USC&GS F-52) Alameda St. at Dominguez Junction See F.B. 1206-31

Summation of Bm
From B.M. 5-30
To B.M. 5-31

Total Backsights = + 261.784
Total Foresights = − 328.858
Diff. Elev. = − 67.074

Backsight Stadia = 91
Foresight Stadia = 92
Total Stadia = 183 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.

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

SURVEY BY E. E. Brooks NOTES BY E. E. Brooks DATE 17 Feb 1965 WEATHER Clear TIME 10:45 - 11:05 INST. NO. 2871 ROD NO. 2-19 F.B. 2871 PG. 185

INDEXED DATE NOTES CHKDC. L. GALL DATE

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM5-30 TO BM5-29A
BM5-30													BM5-30 (Compton K-5) Alameda St. at Dominguez Junction. See F.B. 1206-30
1	122	145	423	5	146 / 98	46	154	168	455	5	179 / 129	50	
2	166	350	467	5	191 / 141	50 / 96	160	507	461	5	184 / 136	48 / 98	T Kapp
3	141	320	442	5	168 / 114	54 / 152	160	790	461	5	187 / 133	54 / 152	
4	156	460	457	5	183 / 129	54 / 206	147	910	448	5	174 / 120	54 / 206	
5	180	130	481	5	202 / 158	44 / 250	143	131	444	5	165 / 121	44 / 250	
	766	905					766	506					
BM5-29A													BM5-29A Alameda St. at gate to to house # 18127 See F.B. 1206-29

Summation of Run
From B.M. 5-30
To B.M. 5-29A

Total Backsights = + 766.905
Total Foresights = − 766.506
Diff. Elev. = + 0.399

backsight stadia = 250
Forosight Stadia = 250
Total Stadia = 500 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.

INST. NO. 96716
ROD NO. 8-16
DATE APR 1 '65

WEATHER Clear
TIME 12:40 - 16:35
NOTES CHKD

JOB NO. 0-301.02
NOTES FEB.
DATE

F.B. 2871 PG. 186
SURVEY OF L.A. Co. Precise Level (dp)
SURVEY BY
INDEXED

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM BM 5-29A TO BM 5-30
BM 5-29A									BM 5-29A Alameda st. at gate to house # 18127 See F.B. 1206-29
1	133	269	434.5	165 111 44	156	762	457.5	177 134 43	
2	124	177	425.5	152 99 55 99	154	982	455.5	182 126 56 99	T Bustrum
3	156	729	457.5	182 130 52 151	126	728	427.5	153 99 54 153	
4	151	435	452.5	176 126 50 201	152	433	453.5	177 127 50 203	
5	139	570 ~~560~~	440.5	164 114 50 251	114	461	415.5	138 90 48 251	
	705	180			705	346			
BM 5-30									BM 5-30 (Compton K-5) Alameda St. at Dominguez Junction See F.B. 1206-30

Summation of Eq.
From B.M. 5-29A
To B.M. 5-30

Total Backsights = + 705.180
Total Foresights = − 705.346
Diff. Elev. = − 0.166

Backsight stadia = 251
Forosight Stadia = 251
Total Stadia = 502 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
													FROM BM5-29A TO BM5-29
BM5-29A													BM5-29A (L.A.C.F.C. RBM 44-32) Alameda St. at gate to house # 18127 See F.B. 1206-29 T Kapp
1	229	889	530	5	237 221	16	189	418	490	5	198 180	18	
BM5-29													BM 5-29 (L.A.C.F.C. BM 44-32) Alameda St. at gate to house No. 18127 See F.B. 1206-29

Summation of Run
From B.M. 5-29A
To B.M. 5-29

Total Backsights = + 229. ~~530~~ 889
Total Foresights = − 189. 418
Diff. Elev. = + 40. ~~112~~ .471

Backsight Stadia = 16
Foresight Stadia = 18
Total Stadia = 34 meters

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks
NOTES BY M. Bustrum DATE 2/17/65 WEATHER Clear INST. NO. 9678
INDEXED DATE TIME 11:15- ROD NO. 2-19
NOTES CHKD C. J. GALLI DATE
F.B. 2571 PG. 157

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. 1188 PG. 186 JOB NO. 0311.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY E. Brooks NOTES F.B.

INDEXED G. J. GALL DATE

WEATHER Clear INST. NO. 24-716

TIME 10:35 ROD NO. 8-19

NOTES CHKD M. Bu DATE APR 1 65

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 5-29 TO BM 5-29A
BM 5-29									BM 5-29 (L.A.C. F.C. BM 44-32) Alameda St. at gate to house # 18127
	151	313	452	5	159 143	16	191	777	492 5 200 182 18 See F.B. 1206-29
									T Bustum
BM 5-29A									BM 5-29A (L.A.C. F.C. BM 44-32) Alameda St. [redacted] at gate to house # 18127 see F.B. 1206-29

Summation of Run
From B.M. 5-29
To B.M. 5-29A

Total Backsights = + 151.313
Total Foresights = − 191.777
Diff. Elev. = − 40.464

Backsight Stadia = 16
Foresight Stadia = 18
Total Stadia = 34 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	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													FROM BM5-29 TO BM5-28
BM5-29													BM 5-29 (L.A.Co.F.C. BM 44-32) Alameda St. at gate to house No. 28127 See F.B. 1206-29
1	143	480	444	5	170 116	54	166	880	467	5	190 142	48	
2	119	792	420	5	139 99	40 94	33	108	334	5	55 11	44 92	T Kopp
	263	272					199	988					
BM5-28													BM 5-28 (Metro. W.D BM562) Alameda St. 0.4 mi S of Artesia Ave See FB 1206-28

Summation of Run
From B.M. 5-29
To B.M. 5-28

Total Backsights = 263.272
Total Foresights = − 199.988
Diff. Elev. = +63.284

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

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks
NOTES BY M. Ray Strum
DATE 2-17-65
WEATHER Clear
TIME 11:20-11:30
INST. NO. 96716
ROD NO. 8-19
F.B. 2871 PG. 189
INDEXED
DATE
NOTES CHKD C. J. GALL
DATE

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. 96-716 ROD NO. 9-19 DATE APR 1 '65

WEATHER Clear TIME 10:30 - 10:35 NOTES CHKD

JOB NO. 0301.02 NOTES K. M. Kapp DATE

SURVEY OF L.A. COUNTY ENGINEER LEVEL

SURVEY BY E. E. Brooks

INDEXED C. J. GALLI

F.B. 1871 PG. 190

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 5-28 TO BM 5-29
BM 5-28									BM 5-28 (Metro W.D., BM 5L2) Alameda St. 0.4 mi S. of Artesia Ave See F.B. 1206-28
1	101	519	4025	123 79 44	192	149	4935	214 170 44	
2	162	837	4635	187 137 50	135	488	4365	164 108 54	T Bustrum
	264	356		94	327	637		98	
BM 5-29									BM 5-29 (L.A. Co. F.C. BM #32) Alameda St. at gate to house # 18127 See F.B. 1206-29

Summation of Run
From B.M. 5-28
To B.M. 5-29

Total Backsights = 264.356
Total Foresights = 327.637
Diff. Elev. = -63.281

Backsight Stadia = 94
Foresight Stadia = 98
Total Stadia = 192 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.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. F. FROST
NOTES BY M. B. WHITTUM DATE 2-11-65 WEATHER Clear
INDEXED DATE TIME 11:30-11:55 INST. NO.
NOTES CHK. C. J. GALLI DATE ROD NO.
F.B. 2871 PG. 191

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA	DESCRIPTION AND REMARKS
											FROM BM5-28 TO BM5-27
BM5-28											BM5-28 (Metro. W.D. BM 6C2) Alameda St. 0.4 mi S. of Artesia Ave. See F.B. 1206-28
1	122	560	423	5	147 97 50	160	828	461	5	186 134 52	
2	164	871	465	5	188 140 48 98	118	718	419	5	141 95 46 98	TKopp
3	211	210	512	5	235 187 48 146	141	572	442	5	166 116 50 148	
4	224	150	525	5	248 200 48 194	136	755	437	5	161 111 50 198	
5	179	531	480	5	198 159 39 233	98	214	399	5	116 80 36 234	
	902	322				656	087				
BM5-27											BM5-27 (L.A.C.F.C. BM 44-33) Alameda St and Compton Creek See F.B. 1206-27

Summation of Run
From B.M. 5-28
To B.M. 5-27

Total Backsights = + 902.322
Total Foresights = − 656.087
Diff. Elev. = + 246.235

Backsight stadia = 233
Foresight Stadia = 234
Total Stadia = 467 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.

WEATHER Clear INST. NO. 92-716
TIME 10:05-10:25 ROD NO. 9-18
NOTES CHKD. DATE APR 1 '65

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM BM5-27 TO BM5-28
BM5-27							BM5-27 (LAC. F.C. BM 4-33) Alameda St. and Compton Creek See FB. 1206-27
1	91 495	3925	110 72 38	172 638	4735	191 153 38	
2	130 358	4315	154 106 48 86	218 251	5195	242 194 48 86	T Bustrum
3	134 098	4355	159 109 50 136	216 520	5175	241 191 50 136	
4	123 539	4245	145 101 44 180	156 748	4575	181 131 50 186	BM5-28 (Metro W.D. BM 562)
5	152 759	4535	179 125 54 234	114 372	4155	138 90 48 234	Alameda St. 0.4 mi. S. of Artesia Ave See F.B. 1206-28
	632 249	✓		878 529	✓		
BM5-28							

Summation of [illegible]
From B.M. 5-27
To B.M. 5-28

Total Backsights = + 632.249 ✓
Total Foresights = − 878.529 ✓
Diff. Elev. = −246.280 ✓

Backsight Stadia = 234 ✓
Foresight Stadia = 234 ✓
Total Stadia = 468 / Meters

F.B. 2871 PG. 92 JOB NO. 0301.02
SURVEY OF [illegible]
SURVEY BY [illegible] NOTES K. M. Kepp
INDEXED C. J. GALL DATE

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 BM5-27 TO BM5-26
BM5-27													BM5-27 (L.A.C.F.C. 44-33) Alameda St. at Compton Creek. See F.B. 1206-27
1	94	474	395	5	112 76	36	227	140	528	5	246 208	36	
2.	151	936	452	5	170 132	38 74	163	668	464	5	182 144	38 74	T. Kapp
3.	112	768	413	5	118 112	12 86	114	901	415	5	120 108	12 86	
	359	183					505	709					
BM5-26													BM5-26 (L.A.C.F.C. RBM 44-33) Alameda St. at Compton Creek. See F.B. 1206-27

Summation of Run
From B.M. 5-27
To B.M. 5-26

Total Backsights = + 359.183
Total Foresights = − 505.709
Diff. Elev. = − 146.526

Backsight Stadia = 86
Foresight Stadia = 86
Total Stadia = 172

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. E. Brooks
NOTES BY Mr. Gustrum
DATE 17 Feb 1965
WEATHER clear
TIME 1115 - 1125
INST. NO. 22-11
ROD NO. 84/8
INDEXED
DATE
NOTES CHKD G. J. GALL
DATE
F.B. 2211
PG. 113

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear INST. NO. 96916
TIME 9:45 - 9:55 ROD NO. 9-19
NOTES CHKD. [illegible] DATE MAR 1 '65

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM BM 5-26 TO BM 5-27
BM 5-26							BM 5-26 (L.A.C.F.C. RBM 44-33) Alameda St. at Compton Creek. See F.B. 1206-27
1	110 458	411 5	116 104 12	139 433	440 5	145 133 12	
2	192 825	493 5	211 173 38 50	150 071	451 5	169 131 38 50	T Bustrum
3	215 413	516 5	234 196 38 88	82 637	383 5	100 64 36 86	
	518 696			372 141			
BM 5-27							BM 5-27 (L.A.C.F.C. 44-33) Alameda Blvd and Compton Creek. See F.B. 1206-27

Summation of Run
From B.M. 5-26
To B.M. 5-27

Total Backsights = + 518.696
Total Foresights = − 372.141
Diff. Elev. = + 146.555

Backsight Stadia = 88
Foresight Stadia = 86
Total Stadia = 174

F.B. 2871 PG. 194
SURVEY OF [illegible]
SURVEY BY [illegible] NOTES F.B.
INDEXED C. J. GALLI DATE
JOB NO. 0301.02

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 BM5-26 TO BM5-25A.
BM5-26													BM5-26 (L.A.Co.F.C. R.B.M. 44-33) Alameda St. at Compton Creek. See F.B. 1206-27
1	113	842	414	5	142 / 84	58	147	951	448	5	175 / 119	56	
2	203	462	504	5	230 / 176	54 / 112	191	842	492	5	218 / 164	54 / 110	T Kapp
3	145	522	446	5	172 / 118	54 / 166	150	880	451	5	178 / 122	56 / 162	
4	200	225	501	5	228 / 172	56 / 222	129	376	430	5	156 / 102	54 / 216	
5	158	489	459	5	183 / 133	50 / 272	137	541	438	5	164 / 110	54 / 274	
6	173	362	474	5	201 / 145	56 / 328	157	870	488	5	214 / 160	54 / 328	
~~4~~	994	902					945	460					
BM5-25A													BM5-25A (USC&GS Q768 Reset) Alameda St. 0.2 mi. S'ly of Greenleaf Blvd. See F.B. 1206-26

Summation of Run
From B.M. 5-26
To B.M. 5-25A

Total Backsights = + 994.902
Total Foresights = − 945.460
Diff. Elev. = + 49.442

Backsight Stadia = 328
Foresight Stadia = 328
Total Stadia = 656 meters

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

SURVEY BY E. E. Brooks
NOTES BY E. E. Brooks
DATE 19 Feb 1965
WEATHER Clear
TIME 1:25 - 2:00
INST. NO. 2641
ROD NO. 9-14
INDEXED
DATE
NOTES CHKD C. J. Gall
DATE 19 1 65
F.B. 2871
PG. 95

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. 9776 ROD NO. 9-18 DATE APR 1 '65

WEATHER Clear TIME 6:15-10:40 NOTES CHKD

JOB NO. 6301.02

SURVEY OF L.A. Co. Flood Control SURVEY BY E. E. Brooks NOTES F.E.B. INDEXED C. J. GALLI DATE

F.B. 2871 PG. 146

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM BM 5-25A TO BM 5-2L
BM 5-25A									BM 5-25A (USC&GS Q 768 Reset) Alameda St. 0.2 mi. S'ly of Greenleaf Blvd. See F.B. 1206-26
1	182	561	463 5	210 165 55	171	629	472 5	198 144 54	
2	141	013	442 5	168 114 54 109	164	343	465 5	192 136 56 118	TA Bustrum
3	132	849	433 5	157 107 50 159	159	339	460 5	186 132 54 164	
4	136	553	439 5	165 107 58 217	~~168~~ 167	~~968~~ 295	~~469~~ 466 5	~~190~~ 193 141 52 216	
5	180	589	481 5	208 152 56 273	194	649	495 5	226 168 52 268	
6	144	314	445 5	171 117 54 327	110	113	411 5	140 80 60 328	
	917	879			967	568			
BM 5-2L									BM 5-2L (L.A.C.F.C.D. BM 44-33) Alameda St. at Compton Creek. See F.B. 1206-27

Summation of Run
From B.M. 5-25A
To B.M. 5-2L

Total Backsights = + 917.879
Total Foresights = − 967.568
Diff. Elev. = −49.689

Backsight stadia = 327
Foresight Stadia = 328
Total Stadia = 655 meters

76P526 CE # 308 2-61

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	
BM5-25A												
1	185	748	486	5	212 / 158	54	143	828	444	5	170 / 116	54
2	174	714	475	5	203 / 145	58 / 112	149	602	450	5	178 / 120	58 / 112
3	176	710	477	5	200 / 152	48 / 160	196	538	497	5	221 / 171	50 / 162
4	181	350	482	5	206 / 156	50 / 210	188	980	489	5	212 / 164	48 / 210
5	171	453	472	5	196 / 146	50 / 260	129	381	430	5	154 / 104	50 / 260
6	154	218	455	5	178 / 130	48 / 308	171	939	472	5	186 / 136	50 / 310
7	218	160	519	5	238 / 198	40 / 348	161	170	462	5	181 / 141	40 / 350
	1262	413					1141	438				
BM5-24												

DESCRIPTION AND REMARKS

FROM BM5-25A TO BM5-24

BM5-25A (USC&GS Q768)
Alameda St 0.2 mi S/W of Greenleaf Blvd
See FB 1206-26

π K Fpp

Summation of Run
From B.M. 5-25A
To B.M. 5-24

Total Backsights = + 1262.413
Total Foresights = − 1141.438
Diff. Elev. = + 120.975

Backsight Stadia = 348
Foresight Stadia = 350
Total Stadia = 698 meters

BM5-24 (U.S.C.&G.S. Q615)
Alameda St & Caldwell St
See FB 1206-25

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks
NOTES BY M. Rudzur
DATE 2-17-65
WEATHER Clear
TIME 2:25-2:35
INST. NO. 9611
ROD NO. 2-19
F.B. 1211 PG. 19
INDEXED
DATE
NOTES CHKD. C. J. GALLI
DATE

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. 96-776 ROD NO. 8-19 DATE APR 1 '65

WEATHER Clear TIME 8:50 - 9:15 NOTES CHKD

JOB NO. 03C1.02 PG. 196 F.B. 2271

SURVEY OF [illegible] NOTES Ken Kemp

SURVEY BY [illegible] DATE

INDEXED G. J. GALL

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA
BM5-24								
1	155	605	456 5	175 135 40	219	083	520 5	239 198 41
2	171	886	472 5	196 146 50 90	134	835	435 5	159 110 48 89
3	136	319	437 5	161 111 50 140	191	043	492 5	216 166 50 139
4	176	151	477 5	200 152 48 188	168	727	469 5	193 143 50 189
5	194	973	495 5	219 169 50 238	174	847	475 5	199 149 50 239
6	145	255	446 5	173 117 56 294	167	728	468 5	196 138 58 297
7	136	155	437 5	165 107 58 352	181	363	482 5	207 155 52 349
	1116	346			1237	626		
BM5-25A								

DESCRIPTION AND REMARKS

FROM BM5-24 TO BM5-25A

BM5-24 (U.S.C.&G.S T615)
Alameda St. @
Caldwell St.
See FB 1206-26

T Bustrum

Summation of Run
From B.M. 5-24
To B.M. 5-25A

Total Backsights = 1116.346
Total Forsights = 1237.626
Diff. Elev. = -121.280

Backsights = 352
Forsights = 349
Total = 701 Meters

BM 5-25A (U.S.C.&G.S. T668)
Alameda St 0.2 mi S/Ly
of Greenleaf Blvd.
See FB 1206-26

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 BM 5-24 TO BM 5-23
BM 5-24													BM 5-24 (USC&GS T-615) Alameda St. and Caldwell St. See F.B. 1206-25
1	164	989	465	5	189 / 139	50	188	626	489	5	213 / 163	50	
2	184	761	487	5	214 / 158	56 / 106	151	700	452	5	178 / 124	54 / 104	T Kapp
3	161	659	462	5	184 / 136	46 / 152	167	600	468	5	189 / 145	44 / 148	
	513	409					508	126					
BM 5-23													BM 5-23 (L.A. Co. Rd. Dept. #19) Alameda St. and Raymond St. See F.B. 1206-24

Summation of Run
From B.M. 5-24
To B.M. 5-23

Total Backsights = + 513.409
Total Foresights = − 508.126
Diff. Elev. = +5.283

Backsight Stadia = 152
Foresight Stadia = 148
Total Stadia = 300 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 Feb 1965
WEATHER Clear
TIME 3:00 – 3:10
INST. NO. 2411
ROD NO. 9819
INDEXED
DATE
NOTES CHKD C. J. CALLIS
DATE
F.B. 1207 PG. 144

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear INST. NO. 94716
TIME 8:30-8:40 ROD NO. 9-19
NOTES CHKD [illegible] DATE [illegible]

F.B. 2871 PG. 200 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Line
SURVEY BY E. Brooks NOTES K. M. Kapp
INDEXED G. J. GALLI DATE

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 5-23 TO BM 5-24
BM 5-23									BM 5-23 (L.A.C. Rd Dept #19) Alameda St. and Raymond St. See F.B. 1206-24
1	160	666	461	5	154	768	455	5	
2	150	017 ~~013~~	451	5	136	278	437	5	T Bustrum
3	131	832	432	5	156	969	457	5	
	442	717			448	015			
BM 5-24									BM 5-24 (USC&GS T-615) Alameda St. and Caldwell St. See F.B. 1206-25

Summation of Rod
From B.M. 5-23
To B.M. 5-24

Total Backsights = + 442.717
Total Foresights = − 448.015
Diff. Elev. = −5.298

Backsight Stadia = 155
Foresight Stadia = 150
Total Stadia = 305 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 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 F. E. Brooks WEATHER Clear F.B. 2871 PG. 2001

NOTES BY FEB DATE 18 Feb 1965 TIME 2:55 - 3:20 INST. NO. 2-11

INDEXED DATE NOTES CHKD. C. J. CALLI DATE ROD NO. 8-18

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 5-23 TO BM15-22A
BM15-23													BM15-23 (L.A.C. Rd. Dept #19) Alameda St. and Raymond St. See F.B. 1206-24
1	168	183	469	5	193 143	50	110	042	411	5	136 84	52	
2	115	560	416	5	145 85	60 110	125	921	426	5	154 96	58 110	
3	130	928	431	5	156 104	52 162	136	565	437	5	161 111	50 160	π ~~Kapp~~ Rodriguez
4	150	883	451	5	176 124	52 214	156	388	457	5	181 131	50 210	
5	156	249	457	5	180 132	48 262	146	742	447	5	172 119	53 263	
6	164	639	465	5	166 162	4 266	178	783	479	5	180 176	4 267	
	886	440					854	441					
BM15-22A													BM 5-22A Alameda St. and Myrrh St. See F.B. 1206-23

Summation of Run
From B.M. 5-23
To B.M. 5-22A

Total Backsights = + 886.440
Total Foresights = − 854.441
Diff. Elev. = + 31.999

Backsight stadia = 266
Foresight Stadia = 267
Total Stadia = 533 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.

F.B. 2811 PG. 202 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

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

INDEXED C. J. GALLI DATE

WEATHER Clear INST. NO. 2716

TIME 2:00 - 2:15 ROD NO. 9-14

NOTES CHKD DATE APR 1 '65

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM5-22A TO BM5-23
BM5-22A									BM 5-22A Alameda St. and Nyrah St. See F.B. 1206-23
1	178	577	479 5	180 176 4	164	944	465 5	166 162 4	
2	144	473	445 5	170 118 52 56	152	539	453 5	177 127 50 54	π R.R. Rodriguez
3	153	065	454 5	177 129 48 104	146	369	447 5	170 122 48 102	
4	130	134	431 5	157 103 54 158	123	566	424 5	150 96 54 156	
5	136	551	437 5	165 107 58 216	120	360	421 5	150 90 60 216	
6	101	313	402 5	127 75 52 268	168	444	469 5	193 143 50 266	
	844	113			876	222			
BM5-23									BM5-23 (L.A. Co. Rd. Dept #14) Alameda St. and Raymond St. See F.B. 1206-24

Summation of Run
From B.M. 5-22 A
To B.M. 5-23

Total Backsights = + 844.113
Total Foresights = − 876.222
Diff. Elev. = − 32.109

Backsight stadia = 268
Foresight Stadia = 266
Total Stadia = 534 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 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 F. E. Brooks

NOTES BY FEB DATE 18 Feb 1965 WEATHER Clear

TIME 3:25 - 3:40 INST. NO. 9611

INDEXED DATE NOTES CHKD. G. J. GALLI DATE ROD NO. 9-12

F.B. 1206 PG. 22

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS FROM BM5-22A TO BM5-21
BM5-22A													BM5-22A Alameda St. & Myrtle St.
1	132	197	433	5	149 115	34	169	639	470	5	186 152	34	
2	190	152	491	5	216 164	52 86	157	928	458	5	184 130	54 88	See FB 1206-23
3	160	362	461	5	186 134	52 136	134	108	435	5	160 108	52 140	T Rodriguez
4	162 ~~134~~	131	463 ~~435~~	5	188 136	52 190	134	614	435	5	160 108	52 142	
5	181	865	482	5	197 125	72 222	211	917	512	5	222 192	30 222	
	826	707					808	106					
BM5-21													BM5-21 Alameda St. and Compton Blvd. See F.B. 1206-22

Summation of Run
From B.M. 5-22A
To B.M. 5-21

Total Backsights = + 826.707
Total Foresights = − 808.106
Diff. Elev. = + 18.601

Backsight stadia = 222
Foresight Stadia = 222
Total Stadia = 444 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.

F.B. 1871 PG. 204 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Line

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

INDEXED C. J. GALLI DATE

WEATHER Hazy INST. NO. 98716

TIME 1:20 - 1:50 ROD NO. 9-19

NOTES CHKD. DATE MR 1 '65

STATION	BACKSIGHT Right	Mic.	Left.	Stadia	FORESIGHT Right	Mic.	Left.	Stadia	DESCRIPTION AND REMARKS
									FROM BM5-21 TO BM5-22A
BM 5-21									BM5-21 Alameda St. and Compton Blvd. See F.B. 1206-22
1	207	527	5085	223 191 32	177	422	478 5	192 162 30	
2	132	797	433 5	159 106 53 85	159	484	460 5	186 133 53 83	T R. R. Rodriguez
3	131	532	432 5	157 105 52 137	159	774	460 5	185 133 52 135	
4	159	964	460 5	185 133 52 189	176	973	477 5	204 146 58 191	
5	161	505	462 5	177 145 32 221	138	524	439 5	154 121 33 224	
	793	325			812	177			
BM 5-22A									BM5-22A Alameda St. and Myrtle St. See F.B. 1206-23

Summation of Run
From B.M. 5-21
To B.M. 5-22A

Total Backsights = + 793.325
Total Foresights = − 812.177
Diff. Elev. = − 18.852

Backsight Stadia = 221
Foresight Stadia = 224
Total Stadia = 445
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 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		DESCRIPTION AND REMARKS
													FROM BM 5-21 TO BM 5-~~22~~ 20A
BM 5-21													BM 5-21 Alameda St. & Compton Blvd See FB 1206-22
1	197	383	498	5	220 174	46	145	415	446	5	168 122	46	
2	160	535	461	5	186 134	52 98	143	742	444	5	169 117	52 98	T Bustrum
3	166	895	467	5	198 134	64 162	146	323	447	5	178 114	64 162	
4	163	392	464	5	188 137	51 213	142	618	443	5	167 117	50 212	Summation of Km From B.M. 5-21 To B.M. 5-~~22~~ 20A
5	154	669 ~~679~~	455	5	179 129	50 263	171	547	472	5	195 147	48 260	
6	161	399	462	5	188 134	54 317	150	501	451	5	178 122	56 316	Total Backsights = + 1311.219
7	153	811	454	5	181 125	56 373	118	325	419	5	146 90	56 372	Total Foresights = − 1178.023
8	153	135	454	5	164 142	22 395	159	552	460	5	170 148	22 394	Diff. Elev. = +133.196
	1311	219					1178	023					Backsight stadia = 395
													Foresight Stadia = 394
													Total Stadia = 789 meters
BM 5-~~22~~ 20A													BM 5-~~22~~ 20A Alameda St. (E.) & Rosecrans Ave. See F.B. 3101-51

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

SURVEY BY F. E. Brooks

NOTES BY F. M. Kapp DATE 2-19-65 WEATHER Clear

TIME 8:30-9:00 INST. NO. 2871

ROD NO. 8-19

INDEXED DATE NOTES CHKD C. J. CALLI DATE

F.B. 2871 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.

INST. NO. 96716 ROD NO. 9-19 DATE APR 1 '65

WEATHER Clear TIME 11:10 - 12:05 NOTES CHKD.

F.B. 2871 PG. 206 JOB NO. 2301.02

SURVEY OF L.A. Co. Flood Ctl. SURVEY BY E. E. Brooks NOTES E. E. B. INDEXED C. J. CALLI DATE

STATION		BACKSIGHT Right	Mic.	Left.	Stadia	FORESIGHT Right	Mic.	Left.	Stadia	DESCRIPTION AND REMARKS
										FROM BM 5-~~27~~ 20A TO BM 5-21
BM 5-~~27~~ 20A										BM 5-~~27~~ 20A
		~~151~~	~~157~~	~~462~~ 5	172 ~~160~~ 12	~~157~~	~~222~~	~~458~~ 5	168 ~~141~~ 24	Alameda St. (E.) &
	1	~~163~~	~~203~~	~~464~~ 5	174 ~~152~~ 22	~~159~~	~~251~~	~~460~~ 5	170 ~~148~~ 22	Rosecrans Ave.
		~~123~~	~~672~~	~~424~~ 5	151 ~~94~~ 57	~~156~~	~~564~~	~~457~~ 5	164 ~~113~~ 51	See F.B. 3701-51
	2	~~126~~	~~458~~	~~427~~ 5	164 ~~97~~ 57 ~~99~~	~~144~~	~~898~~	~~445~~ 5	165 ~~123~~ 42 ~~64~~ ~~78~~	T Rodriguez
	3	~~133~~	~~534~~	~~456~~ 5	182 ~~128~~ 54 133	~~144~~	~~730~~	~~445~~ 5	~~164~~ ~~124~~ ~~40~~	
Stadias to far out of line Restarted.	1	163	477	464 5	174 152 22	159	515	460 5	170 148 22	Summation of Bm 20 A From B.M. 5-~~27~~ To B.M. 5-21
	2	124	978	425 5	153 96 57 ~~79~~	157	958	458 5	185 129 56 ~~78~~	
	3	154	911	455 5	181 ~~127~~ 54 133	147	418	448 5	174 120 54 132	Total Backsights = + 1191.756
	4	156	331	457 5	181 132 49 182	157	448	458 5	182 132 50 182	Total Foresights = − 1324.983
										Diff. Elev. = − 133.227
	5	144	116	445 5	169 119 50 232	162	607	463 5	167 130 51 233	Backsight stadia = 394
										Foresight Stadia = 395
	6	149	257	450 5	181 117 64 296	172	613	473 5	204 140 64 297	Total Stadia = 789 meters
BM 5-21	7	151	220	452 5	177 ~~125~~ 52 348	166	660	467 5	192 140 52 349	BM 5-21
	8	147	466	448 5	170 124 46 394	200	564	501 5	223 177 46 395	Alameda St. & Compton Blvd.
		1191	756			1324	983			See F.B. 1206-22

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 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 F. E. Brooks DATE 19 Feb 1965 WEATHER Clear INST. NO. 26371

NOTES BY F.E.B. TIME 9:00 - 9:20 ROD NO. 2-18

INDEXED DATE NOTES CHK'D C. J. Cahill DATE

F.B. 2871 PG. 107

STATION	BACKSIGHT Right	Mic.	Left.		Stadia		FORESIGHT Right	Mic.	Left.		Stadia		DESCRIPTION AND REMARKS
													FROM BM 5-~~27~~ 20A TO BM 5-20
BM 5-~~27~~ 20A													BM 5-~~27~~ 20A Alameda St. & Rosecrans Ave
1	154	548	455	5	179 / 129	50	141	739	442	5	166 / 116	50	
2	164	209	465	5	190 / 138	52 / 102	146	695	447	5	172 / 120	52 / 102	See FB 3701-51
3	142	413	443	5	169 / 115	54 / 156	125	495	426	5	153 / 97	56 / 156	A Bustrum
4	161	722	462	5	195 / 127	68 / 224	123	557	424	5	156 / 90	66 / 224	
	622	892					537	486					
BM 5-20													BM 5-20 (USC&GS Q 766) Alameda St. 0.15 mi. S. of Avis St. See F.B. 3701-49

Summation of Run 20 A
From B.M. 5-~~27~~
To B.M. 5-20

Total Backsights = + 622.892
Total Foresights = − 537.486
Diff. Elev. = + 85.406

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

INST. NO. 9676 ROD NO. 2-18 DATE

WEATHER Clear TIME 10:55-11:10 NOTES CHKD.

SURVEY OF Lev. Circuit Level Net

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

INDEXED C. J. GALLI DATE

F.B. 3871 PG. 28 JOB NO. 0301.02

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS FROM BM 5-20 TO BM5-~~17~~ 20A
BM 5-20									BM5-20 (USC&GS 9776) Alameda St. 0.15 mi S. of Oris St. See F.B. 3701-49
1	130	064	431 5	163 / 96 / 67	168	736	469 5	202 / 134 / 68	
2	135	221	436 5	162 / 108 / 54 / 121	151	489	452 5	179 / 123 / 56 / 124	T Rodriguez
3	148	377	449 5	174 / 121 / 53 / 174	167	911	468 5	193 / 141 / 52 / 176	
4	148	328	449 5	172 / 123 / 49 / 223	159	147	460 5	183 / 134 / 49 / 225	
	561	990			147	273			
BM5-~~17~~ 20A									BM 5-~~17~~ 20A Alameda St. and Rosecrans Ave. See F.B. 3701-51

Summation on Sup
From Sta. 5-20
To B.M. 5-~~17~~ 20A

Total Back Sights = + 561.990
Total Fore Sights = − 147.273
Diff. = − 85.283

Back Stadia = 223
Fore Stadia = 225
Total Stadia = 448 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
													FROM BM5-20 TO BM5-19A
BM5-20													BM5-20 (USC&GS 9766) Alameda St 0.15 mi S. of Otis St. See F.B. 3701-49
1	165	868	466	5	190 / 140	50	196	661	497	5	223 / 169	54	
2	168	441	469	5	194 / 142	52 / 102	91	441	392	5	117 / 65	52 / 106	A Bustrum
3	77	955	378	5	100 / 54	46 / 148	137	377	438	5	159 / 114	45 / 151	
4	145	808	446	5	172 / 118	54 / 202	133	081	434	5	159 / 107	52 / 203	
5	159	863	460	5	184 / 134	50 / 252	135	695	436	5	161 / 109	52 / 255	
6	144	843	445	5	179 / 109	70 / 322	146	493	447	5	179 / 113	66 / 321	
	862	778					840	948					
BM5-19A													BM 5-19A Alameda St. and Euclid Ave See F.B. 3701-49

Summation of Run
From B.M. 5-20
To B.M. 5-19A

Total Backsights = + 862.778
Total Foresights = − 840.948
Diff. Elev. = + 21.830

Backsight stadia = 322
Foresight Stadia = 321
Total Stadia = 643 meters

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. B. Arcola
NOTES BY FEB
DATE 19 Feb 1965
WEATHER Clear
TIME 9:25 - 9:45
INST. NO. 92476
ROD NO. 9-19
INDEXED
DATE
NOTES CHKD. C. L. GALT
DATE MAR 1 65
F.B. 4011
PG. 109

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Hazy INST. NO. 92816
TIME 10:20-10:55 ROD NO. 2-19
NOTES CHKD. DATE APR 1 '58

JOB NO. 6301.02 Pg. 210
SURVEY OF Precise Leveling Net
SURVEY BY F. E. Brooks NOTES K. M. Kapp
INDEXED G. J. GALLI DATE

F.B. 2871

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 5-19A TO BM 5-20
BM 5-19A									BM 5-19A Alameda St. and Euclid Ave See F.B. 3701-47
1	152	145	453 5	185 119 66	150	497	451 5	184 116 68	
2	143	352	444 5	168 118 50 116	167	314	468 5	192 142 50 116	T R.R. Rodriguez
3	137	192	438 5	169 115 54 170	149	888	450 5	176 122 54 172	
4	140	634	441 5	163 117 46 216	93	687	394 5	116 70 46 218	
5	153	314	454 5	177 129 48 264	217	570	518 5	243 191 52 270	
6	195	080	496 5	222 168 54 318	164	769	465 5	189 139 50 320	
	921	717			943	725			
BM 5-20									BM 5-20 (USC&GS 9466) Alameda St. 0.15 mi S. of Oris St. See F.B. 3701-49

Summation for
From B.M. 5-19A
To B.M. 5-20

Total Backsights = + 921.717
Total Foresights = − 943.725
Diff. = −22.008

Backsight Stadia = 318
Foresight Stadia = 320
Total Stadia = 638 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 CORRECTED 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 BM5-19A TO BM5-18
BM5-19A													BM5-19A East Alameda St. and Euclid Ave. See F.B. 3701-47
1	168	825	469	5	193 143	50	118	812	419	5	145 91	54	
2	143	549	444	5	172 114	58 108	142	549	443	5	171 113	58 112	T Bustrum
3	171	538	472	5	196 146	50 158	134	992	435	5	158 110	48 160	
4	166	155	467	5	185 147	38 196	138	448	439	5	158 118	40 200	Summation of Run From B.M. 5-19A To B.M. 5-18
5	145	457	446	5	150 140	10 206	168	216	369	5	73 64	9 209	
	795	524					603	017					
BM 5-18													BM 5-18 (USC&GS W615) Alameda St. (E.) & El Segundo Blvd. See F.B. 1206-19

Total Backsights = + 795.524
Total Foresights = − 603.017
Diff. Elev. = +192.507

Backsight stadia = 206
Foresight Stadia = 209
Total Stadia = 415 Meters

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY R. E. Brooks
NOTES BY K. M. Kapp DATE 2-19-65 WEATHER Clear INST. NO. 967
TIME 10:15-10:40 ROD NO. 9-1
INDEXED DATE NOTES CHKD C. J. GALLI DATE
F.B. 2871 PG. 21

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

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

Do not extend notes this side of this line.

WEATHER Hazy INST. NO. 96716
TIME 9:55-10:15 ROD NO. 9-19
NOTES CHKD. DATE APR 1 '65

F.B. 2871 Pg. 212 JOB NO. 0301.02
SURVEY OF L.A. Co. Pre...
SURVEY BY F. E. Brooks NOTES K. M. Kapp
INDEXED C. J. GALLE DATE

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 5-18 TO BM 5-19A
BM 5-18									BM 5-18 (USCFGS W615) Alameda St. (E.) & El Segundo Blvd. See F.B. 1206-19
1	76	704	377 5	81 / 71 10	152	472	453 5	157 / 147 10	
2	143	220	444 5	162 / 124 38 / 48	174	640	475 5	193 / 155 38 / 48	T R.R. Rodriguez
3	137	349	438 5	162 / 112 50 / 98	171	505	472 5	190 / 146 50 / 98	
4	148	778	449 5	178 / 118 60 / 158	150	319	451 5	178 / 122 56 / 154	
5	119	886	420 5	145 / 93 52 / 210	169	599	470 5	195 / 143 52 / 206	Summation of Sin. From B.M. 5-18 To B.M. 5-19A
	626	037			818	535			
BM 5-19A									BM 5-19A Alameda St. (E.) & Euclid Ave. See F.B. 3701-47

Total Backsights = + 626.037
Total Foresights = − 818.535
Diff. Elev. = −192.498

Backsights = 210
Foresights = 206
Total Lengths = 416 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
									FROM BM5-18 TO BM5-17
BM5-18									BM5-18 (USC&GS. W615) Alameda St. East and El Segundo Blvd. See F.B. 1206-19
1	76	002	377 5	88 64 24	140	101	441 5	152 128 24	
2	175	035	476 5	190 160 30 54	242	639 811	543 5	256 228 28 52	T Bustrum
	251	037			382	740			
BM 5-17									BM5-17 (Watts J-11) Alameda St. West and El Segundo Blvd. See F.B. 1206-19

Summation of Run
From B.M. 5-18
To B.M. 5-17

Total Backsights = + 251.037
Total Foresights = − 382.740
Diff. Elev. = −131.703

Backsight stadia = 54
Foresight Stadia = 52
Total Stadia = 106 Meters

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

SURVEY BY R. E. Brooks

NOTES BY H. M. Tapp DATE 2-19-65 WEATHER Clear INST. NO. 9671

TIME 11:00-11:05 ROD NO. 9-15

INDEXED DATE NOTES CHKD R. J. GAINE DATE

F.B. 2871 PG. 213

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. NO. 96716 ROD NO. 9-19 DATE APR 1 '65

WEATHER Clear TIME 9:45 - 9:55 NOTES CHKD

F.B. 2871 PG. 214 JOB NO. 0301.02

SURVEY OF L.A. Co. Fr[illegible] Net

SURVEY BY F. E. Brooks NOTES FEB

INDEXED C. J. GALLI DATE

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 5-17 TO BM 5-18
BM 5-17									BM 5-17 (Watts J-11) Alameda St. West of El Segundo Blvd. See F.B. 1206-19
1	236	883	537 5	250 222 28	169	912	470 5	164 154 30	T Rodriguez
2	151	581	452 5	163 139 24	86	903	387 5	97 45 42	
	388	464		52	256	815		52	
BM 5-18									BM 5-18 (USC&GS W 615) Alameda St. East of El Segundo Blvd. See F.B. 1206-19

Summation of Run
From B.M. 5-17
To B.M. 5-18

Total Backsights = + 388.464
Total Foresights = − 256.815
Diff. Elev. = + 131.649

Backsight stadia = 52
Foresight stadia = 52
Total stadia = 104 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.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY R. F. Brock
NOTES BY FEB.
DATE 19 FEB 1965
WEATHER Clear
TIME 11:10 - 14:00
INST. No. 2611
ROD. NO. 2-19
F.B. 28-71
PG. 45
INDEXED
DATE
NOTES CHKD C. J. CALLIS
DATE JUL 1 68

STATION	BACKSIGHT RIGHT	BACK MIC.	BACK LEFT		BACK STADIA		FORESIGHT RIGHT	FORE MIC.	FORE LEFT		FORE STADIA	
BM5-17												
1	207	113	608	5	233 181	52	129	454	430	5	155 103	52
2	154	695	456	5	179 129	50 102	153	368	454	5	179 127	52 104
3	153	478	464	5	180 126	54 156	145	648	446	5	171 119	52 156
4	175	072	476	5	200 150	50 206	140	162	441	5	164 116	48 204
5	177	478	478	5	204 150	54 260	122	661	423	5	149 95	54 256
6	172	469	473	5	197 147	50 310	119	217	420	5	144 94	50 308
7	167	399	468	5	193 141	52 362	138	812	439	5	165 111	54 362
8	192	108	473	5	199 145	54 416	149	425	450	5	176 122	54 416
9	158	769	459	5	183 133	50 466	126	873	427	5	151 101	50 466
10	162	115	463	5	188 136	52 518	133	968	434	5	158 108	50 516
11	168	525	469	5	188 149	39 557	156	928	457	5	176 136	40 556
	1869	261					1515	916				
BM5-76												

DESCRIPTION AND REMARKS

FROM BM5-17 TO BM5-76

BM5-17 (Watts J-11)
Alameda St. and El Segundo Blvd.
See F.B. 1206-19

T Bustrum

Summation of Run
From B.M. 5-17
To B.M. 5-76

Total Backsights = + 1869.261
Total Foresights = − 1515.916
Diff. Elev. = +353.345

Backsight stadia = 557
Foresight Stadia = 556
Total Stadia = 1113 meters

BM5-76
Alameda St. and Lynwood Rd.

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. 1811 PG. 216 JOB NO. 3701.12

SURVEY OF L.A. Co. Rec. by E. E. Brooks

SURVEY BY E. E. Brooks NOTES FEB

INDEXED C. J. GALLE DATE

WEATHER Clear TIME 9:25 - 9:45 NOTES CHKD. DATE APR 1 '65 ROD NO. 2/19 INST. NO. 92/96

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM BM 5-76 TO BM5-17
BM 5-76									BM5-76 ℄ Alameda St. and Lynwood Rd. See F.B. 3701-41
1	157	434	458	5	177 137 40	171	948	492 5	190 152 38
2	146	251	447	5	171 119 52 92	173	969	494 5	146 146 50 88
3	145	063	446	5	~~446~~ 169 121 48 140	166	512	469 5	192 146 52 140
4	149	067	450	5	176 122 ~~450~~ 54 194	186	278 ~~260~~	487 5	213 159 54 194
5	155	904	456	5	182 128 54 246	193	301	494 5	220 166 54 246
6	142	375	443	5	167 117 50 246	193	276	494 5	218 168 50 296
7	138	859	439	5	165 111 54 352	160	186	461 5	207 153 54 352
8	151	107	452	5	175 127 48 400	171	440	472 5	197 145 52 404
9	143	578	444	5	168 118 50 450	183	258	484 5	207 157 50 454
10	181	786	482	5	207 155 52 502	166	193	469 5	192 144 48 502
11	142	682	443	5	166 116 52 554	218	620	519 5	243 192 51 553
	1654	106				2007	311		
BM 5-17									BM5-17 (Watts 5-11) Alameda St and El Segundo Blvd. See F.B. 1206-1

Summation of Rec
From BM 5-76
To BM 5-17

Total Backsights = + 1654.106
Total Foresights = − 2007.311
Diff. Elev. = − 353.205

Backsight Stadia = 554
Foresight Stadia = 553
Total Stadia = 1107 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.

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

SURVEY BY F. E. Brooks WEATHER Clear INST. NO. 8671

NOTES BY K. M. KEPP DATE 2-19-65 TIME 1:20-2:00 ROD NO. 9-1

INDEXED DATE NOTES CHKD. G. J. GALLI DATE

F.B. 2871 Pg. 2/7

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													From BM5-76 To BM5-16
BM5-76													BM5-76 Alameda St. West and Lynwood Rd. See F.B. 2701-4
1	175	648	476	5	202 148	54	131	859	432	5	159 103	56	
2	154	719	455	5	174 133	41 95	140	802	441	5	162 119	43 99	T Bustrum, "Buzz"
3	165	623	466	5	186 143	43 136	140	928	441	5	161 119	42 141	
4	156	948	457	5	171 141	30 168	141	948	442	5	156 126	30 171	Summation of Run From B.M. 5-76 To B.M. 5-16
5	164	598	465	5	189 139	50 218	135	198	436	5	160 110	50 221	
6	162	659	463	5	185 139	46 264	134	855	435	5	156 112	44 265	Total Backsights = + 1359.452 Total Foresights = − 1046.606 Diff. Elev. = +312.846
7	163	299	464	5	185 141	44 308	104	403	415	5	136 92	44 309	
8	215	958	516	5	239 191	48 356	106	613	407	5	130 82	48 357	Backsight stadia = 356 Foresight Stadia = 357 Total Stadia = 713 meters
	1359	452					1046	606					
BM5-16													BM5-16 Alameda St. (W.) & Santa Ana Blvd. See F.B. 1206-18

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Hazy INST. NO. 96716
TIME 8:20-8:05 ROD NO. 9-19
NOTES CHKD. DATE APR 1 '65

JOB NO. 0301.02
SURVEY OF
SURVEY BY E. M. Brooks NOTES K. M. Karp
INDEXED G. J. GALLI DATE
F.B. 2871 PG. 218

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 5-16 TO BM 5-76
BM 5-16									BM 5-16 Alameda St. (W.) & Santa Ana Blvd. See F.B. 1206-18
1	106	209	407 5	190 82 46	214	047	515 5	238 190 48	
2	119	574	420 5	141 97 44 92	168	903	469 5	190 146 44 92	T R.R. Rodriguez
3	139	117	440 5	162 117 45 137	161	383	462 5	184 138 46 138	Sum[illegible] 5-16
4	135	327	436 5	159 111 48 185	173	904	474 5	198 148 50 188	Fo[illegible] 5-76
5	150	280	451 5	166 134 32 217	162	613	463 5	175 149 26 214	
6	149	222	450 5	170 128 42 259	173	812	474 5	199 152 42 256	Total [illegible] 1080.457'
7	143	462	444 5	163 123 40 299	158	367	459 5	180 136 44 300	Total [illegible] 1393.055'
8	137	266	438 5	164 110 54 353	180	006	481 5	207 153 54 354	DIFF. [illegible] -312.598'
	1080	457			1393	055			353' 354' 707' Meters
BM 5-76									BM 5-76 Alameda St. (W.) & Lynwood Rd. See F.B. 3701-41

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
NOTES BY F. E. Brooks DATE 19 Feb 1965 WEATHER Clear
TIME 2:05 – 2:50 ROD NO. 9-18
INDEXED DATE NOTES CHKD C. J. GALLI
F.B. 2871 PG. 219 INST. NO. 9C.71

STATION	BACKSIGHT Right	Mic.	Left.		Stadia		FORESIGHT Right	Mic.	Left.		Stadia		DESCRIPTION AND REMARKS
													FROM BM5-16 TO BM5-15
BM5-16													BM5-16 (Watts I-9) Alameda St. and Santa Ana Blvd. See F.B. 1206-18
1	134	603	435	5	156 112	44	182	300	483	5	203 161	42	
2	124	049	425	5	145 103	42 86	136	248	437	5	156 116	40 82	T Bustrum
3	167	093	468	5	188 146	42 128	128	038	429	5	152 104	48 150	
4	168	203	469	5	189 147	42 170	142	859	443	5	163 121	42 192	
5	155	092	456	5	180 130	50 220	129	405	430	5	154 104	50 222	
6	145	695	446	5	166 124	42 262	119	033	420	5	139 99	40 262	
7	158	905	459	5	180 136	44 306	133	598	434	5	155 111	44 306	
8	177	005	478	5	196 152	58 344	199	183	500	5	219 179	40 346	
	1230	625					1170	664					
BM5-15													BM5-15 (Watts I-8) Alameda St. and Century Blvd. See F.B. 1206-16, 17

Summation of Sum
From B.M. 5-16
To B.M. 5-15

Total Backsights = + 1230.625
Total Foresights = − 1170.664
Diff. Elev. = +59.961

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

WEATHER Clear INST. NO. 96716
TIME 3:10-3:35 ROD NO. 9-19
NOTES CHKD. [illegible] DATE MR 1 '65

JOB NO. 0301.02
SURVEY OF F. E. Brook
SURVEY BY NOTES FEB
INDEXED G. J. GALLI DATE

F.B. 1871 Pg. 1110

STATION	BACKSIGHT Right Mic.	BACKSIGHT Left	BACKSIGHT Stadia	FORESIGHT Right Mic.	FORESIGHT Left	FORESIGHT Stadia	DESCRIPTION AND REMARKS From BM5-15 to BM5-16
BM 5-15							BM 5-15 Alameda St. and Century Blvd. See F.B. 1206-16,17
1	205 459	506 5	224 / 186 38	173 793	474 5	193 / 153 40	
2	132 989	433 5	154 / 110 44 / 82	168 939	449 5	191 / 145 46 / 86	A Bustrum
3	141 467	442 5	162 / 120 42 / 124	154 677	455 5	174 / 134 40 / 126	
4	111 569	412 5	135 / 87 48 / 172	149 928	450 5	174 / 124 50 / 176	
5	140 562	441 5	161 / 119 42 / 214	165 545	466 5	186 / 144 42 / 218	
6	130 125	431 5	153 / 107 46 / 260	168 823	469 5	190 / 146 44 / 262	
7	138 500	439 5	158 / 118 40 / 300	125 821	426 5	146 / 104 42 / 304	
8	184 648	485 5	205 / 163 42 / 342	138 178	439 5	160 / 116 44 / 348	
	1185 313			1245 104			
BM 5-16							BM 5-16 (Watts I-9) Alameda St. and Santa Ana Blvd. See F.B. 1206-18,

Summation of [illegible]
From B.M. 5-15
To B.M. 5-16

Total Backsights = 1185.313
Total Foresights = 1245.104
Diff. Elev. = -59.791

Backsight Stadia = 342
Foresight Stadia = 348
Total Stadia = 690 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						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM5-15 TO BM5-14
BM5-15													BM5-15 (Watts I-8) Alameda St. and Century Blvd. See F.B. 1206-16,17
	~~249~~	~~849~~	~~550~~	~~5~~	~~232~~ 262	~~26~~							
	248	848	549	5	263 233	30	164	853	465	5	179 149	30	T Bustum
BM5-14													BM5-14 Alameda St. Near Century Blvd. See F.B. 1206-16,17

Summation of Run
From B.M. 5-15
To B.M. 5-14

Total Backsights = + 248.848
Total Foresights = − 164.853
Diff. Elev. = +83.995

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. C. Brooks

NOTES BY E. J. Brooks DATE 18 Feb 1965 TIME 3:00 WEATHER Clear

INDEXED DATE NOTES CHKD C. J. GALLI DATE

INST. NO. 2776 ROD NO. P-19

F.B. 1207 PG. 24

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 BM5-14 TO BM5-15
BM5-14									BM5-14 Alameda St. near Century Blvd. See F.B. 1206-16,17 T Bustrum
	160	099	461	5	244	099	545	5	175 145 30 259 229 30
BM5-15									BM5-15 Alameda St. ~~near~~ and Century Blvd. See F.B. 1206-16,17

Summation of ...
From B.M. 5-14
To B.M. 5-15

Total Backsights = + 160.099'
Total Foresights = − 244.099'
= − 84.000'

= 30'
30'
Total ... 60' meters

F.B. 1871 PG. 222 JOB NO. 0301.02

SURVEY OF F. E. Brooks NOTES F.E.B.

SURVEY BY C. J. GALLI DATE

INDEXED

WEATHER Clear INST. NO. 92116

TIME 2:05 ROD NO. 9/9

NOTES CHKD. DATE APR 1 '63

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						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM5-14 TO BM5-13
BM5-14													BM5-14 - Alameda St. near Century Blvd. See F.B. 1206-16,17
	205	795	506	5	212 198	14	177	722	428	5	184 170	14	π Rodriguez
BM5-13													BM5-13 Alameda St. near Century Blvd. See F.B. 1206-16,17

Summation of Ave.
From B.M. 5-14
To B.M. 5-13

Total Backsights + 205.795
Total Foresights − 177.722
Diff.-Elev. = + 28.073

Backsight stadia = 14
Foresight Stadia = 14
Total Stadia = 28 meters

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY E. A. Brooks
NOTES BY E.A.B.
DATE 23 Feb 1965
WEATHER clear
TIME 2:46
INST. NO. [illegible]
ROD NO. 9-19
INDEXED
DATE
NOTES CHKD. G. J. CALLI
DATE Feb 1 1965
F.B. 1217 PG. 223

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear INST. NO. 9-14

TIME 9:40 - 8:45 ROD NO. 9-19

NOTES CHKD. DATE APR 1 '65

F.B. 1871 PG. 124 JOB NO. 0301.02

SURVEY OF

SURVEY BY NOTES EEB

INDEXED G. J. GALL DATE

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM5-13 TO BM5-14
BM5-13									BM5-13 Alameda St. near Century Blvd. See F.B. 1206-16,17
1	128	699	429 5	142 114 28	146	141	449 5	162 134 28	
2	166	540	467 5	169 163 6 34	175	172	476 5	176 172 6 34	T Kapp
	295	239			323	313			
BM5-14									BM5-14 Alameda St. near Century Blvd. See F.B. 1206-16,17
	5-13						295.239		34
	5-14						323.313		34
							28.074		68 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.

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

SURVEY BY E.E. Blanks NOTES BY F.B. DATE 23 Feb 1965 WEATHER Clear

INDEXED DATE TIME 2:45-3:10 INST. NO. 96-71 ROD NO. 4-14

NOTES CHKD. C. J. CALLA DATE F.B. 1271 PG. 425

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													From BM5-13 To BM5-12
BM5-13													BM5-13 Alameda St. near Century Blvd. See F.B. 1206-16,17
1	154	310	455	5	179 / 129	50	124	113	425	5	149 / 99	50	
2	168	486	469	5	194 / 142	52 / 102	130	058	431	5	156 / 104	52 / 102	T Rodriguez
3	169	776	470	5	193 / 144	49 / 151	123	206	424	5	148 / 98	50 / 152	
4	169	627	470	5	195 / 143	52 / 203	128	123	429	5	153 / 103	50 / 202	
5	158	029	459	5	171 / 145	26 / 229	111	033	412	5	124 / 98	26 / 228	
6	133	938	434	5	140 / 121	14 / 243	213	994	514	5	227 / 205	16 / 244	
	954	166					830	927					
BM5-12													BM5-12 (Watts I-7) Alameda St. and 103rd St. See F.B. 1206-15

Summation of Run
From B.M. 5-13
To B.M. 5-12

Total Backsights = + 954.166
Total Foresights = − 830.927
Diff. Elev. = +123.239

Backsight = 243
Foresight = 244
Total Sights = 487 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.

F.B. 2871 PG. 22C JOB NO. 0301.02

SURVEY OF [illegible] INST. NO. 91916

SURVEY BY [illegible] NOTES F.B. ROD NO. 8-19

INDEXED B. J. GALLE DATE WEATHER Clear TIME 2:20 - 3:40 NOTES CHKD [illegible] DATE APR 1 '65

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 5-12 TO BM 5-13
BM 5-12									BM 5-12 Alameda St. and 103rd St. See F.B. 1206-15
1	214	172	515 5	222 206 16	134	373	435 5	141 127 14	
2	115	633	416 5	127 103 24 40	164	540	465 5	176 150 26 42	T Kogg
3	133	626	434 5	158 108 50 90	177	902	476 5	203 151 52 94	
4	131	796	432 5	156 106 50 140	176	682	477 5	202 152 44 142	
5	136	851	437 5	162 110 52 192	180	849	481 5	206 154 52 194	
6	132	952	433 5	156 106 50 242	154	408	455 5	179 129 50 244	
	665	234			986	414			
BM 5-13									BM 5-13 Alameda St. near Century Blvd. See F.B. 1206-16, 17

Summation of Run

From BM 5-12

To BM 5-13

Total Backsights = 665.234'

Total Foresights = 986.414'

diff elev. = -123.180'

Backsight Stadia = 242'

Foresight " = 244'

Total " = 486' 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.

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

SURVEY BY E. E. Brooks WEATHER Clear INST. No. 942

NOTES BY K. M. Karp DATE 2-24-65 TIME 3:15-3:55 ROD NO. 9-15

INDEXED DATE NOTES CHKD C. J. GAUL DATE 3-1-65

F.B. 2871 PG. 227

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA	
BM5-12												
1	218	142	519	5	230 206	24	150	062	451	5	162 138	24
2	160	087	461	5	185 135	50 74	128	933	429	5	154 102	52 76
3	168	459	469	5	193 143	50 124	139	482	440	5	164 114	50 126
4	173	933	474	5	203 143	60 184	123	404	424	5	154 92	62 166
5	143	934	444	5	159 127	32 216	187	848	486	5	201 173	28 216
	864	497					729	729				

DESCRIPTION AND REMARKS

FROM BM5-12 TO BM5-10

BM5-12 (Watts I-7) Alameda St. and 103rd St.
See F.B. 1206-15

A R. R. Rodriguez

Summation of Run
From B.M. 5-12
To B.M. 5-10

Total Backsights = + 864.497
Total Foresights = − 729.729
Diff. Elev. = +134.768

BM 5-10

BM 5-10 (Watts I-7A) West Alameda St. 15' Tweedy Blvd.
See F.B. 1206-14

Backsight stadia = 216
Foresight Stadia = 216
Total Stadia = 432 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.

WEATHER Clear - Windy INST. NO. 96716
TIME 3:10 - 3:30 ROD NO. 9-19
NOTES CHKD. [illegible] DATE APR 1 '65

F.B. 2671 Pg. 228 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY R. E. Brooks NOTES F.E.B.
INDEXED G. J. GALLI DATE

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM BM 5-10 TO BM 5-12
BM 5-10									BM 5-10 (Watts I-7A) Alameda St. (W.) & Tweedy Blvd. See F.B. 1206-14
1	196	839	497	5 209 / 187 / 26	145	497	446	5 159 / 131 / 28	
2	133	220	434	5 166 / 100 / 66 / 92	150	102	451	5 192 / 118 / 74 / 92	T Kapp
3	105	210	406	5 130 / 88 / 42 / 134	178	870	479	5 203 / 153 / 50 / 142	Summation of Rods From B.M. 5-10 To B.M. 5-12
4	138	579	439	5 165 / 111 / 54 / 188	166	189	468	5 190 / 142 / 48 / 190	
5	152	170	453	5 164 / 140 / 24 / 212	222	272	524	5 232 / 208 / 24 / 214	
	726	018			860	926			Total Backsights = + 726.018
									Total Foresights = − 860.926
									Diff. Elev. − 134.908
BM 5-12									BM 5-12 (Watts I-7) Alameda St. & 103rd St. See F.B. 1206-15
									Backsight stadia = 212
									Foresight Stadia = 214
									Total Stadia = 426 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
									FROM BM5-10 TO BM5-~~10~~ 11
BM5-10									BM5-10 ~~(L.A.C.R.D. BM 30)~~ (Watts I-7A) Alameda St. and Tweedy Blvd. See F.B. 1206-14
1	207 ~~209~~	551	508 ~~510~~ 5	21 2 202 10	141	583	442 5	146 136 10	T R.R. Rodriguez
BM5-~~10~~ 11									BM5-~~10~~ 11 (L.A.Co. R.D. BM 30) ~~(Watts I-7A)~~ Alameda St. and Tweedy Blvd. See F.B. 1206-14

Summation of Run
From B.M. 5-10
To B.M. 5-11

Total Backsights = + 207.551
Total Foresights = − 141.583
Diff Elev = + 65.968

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

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

SURVEY BY E. E. Brooks

NOTES BY F. M. Kapp DATE 2-24-65 WEATHER Clear INST. NO. 96711

INDEXED DATE NOTES CHKD. C. J. CALLBAT ROD NO. 9-12

F.B. 2871 PG. 229

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. 26716
ROD NO. 9-19
DATE APR 1 '65
WEATHER Windy
TIME 3:15
NOTES CHKD

STATION	BACKSIGHT Right	Mic.	Left.	Stadia	FORESIGHT Right	Mic.	Left.	Stadia	DESCRIPTION AND REMARKS From BM 5-11 To BM 5-10
BM 5-11									BM 5-11 (L.A.Co. R.D. BM 30) Alameda St. & Tweedy Blvd.
1	156	898	4575	62 150 12'	222	801	5235	226 218 8'	See F.B. 1206-14
									T Kapp
BM 5-10									BM 5-10 (Watts I-7A) Alameda St. & Tweedy Blvd. See F.B. 1206-14

Summation of Run
From B.M. 5-11
To B.M. 5-10

Total Backsights = + 156.898'
Total Foresights = − 222.801'
Diff. Elev. = − 66.903

Backsight stadia = 12'
Foresight Stadia = 8'
Total Stadia = 20' meters

F.B. 2671 Pg. 230
JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY F. E. Brook
NOTES
INDEXED BY J. Gatti
DATE

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.B. DATE: 2-4 FEB 1965 WEATHER: Clear

NOTES BY: F.E.B. TIME: 9:10 – 9:55 INST. NO. 4446

INDEXED: DATE: NOTES CHKD: J. GAULT DATE: ROD NO. 2-19

F.B. 1271 PG. 1351

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM5-11 TO BM5-9
BM5-10													BM5-11 (~~Wells 1-44~~ L.A.Co. Rd Dept BM 90) Alameda St. and Tweedy Blvd. See F.B. 1206-14
1	97	181	398	5	110 84	26	146 ~~147~~	665	~~447~~ ~~448~~	5	159 133	26	
2	154	931	455	5	179 129	50 76	143	343	444	5	166 118	50 76	T Bustrum
3	154	943	455	5	178 130	48 124	145	498	446	5	168 122	46 122	
4	148	975	449	5	173 123	50 174	133	868	434	5	158 108	50 172	Summation of Rec From B.M. 5-11 To B.M. 5-9
5	162	955	463	5	187 137	50 224	134	269	435	5	159 109	50 222	
6	206	835	507	5	233 179	54 278	160	638	461	5	186 134	52 274	Total Backsights = + 1436.182 Total Foresights = – 1246.383
7	167	709	468	5	191 143	48 326	125	083	426	5	151 100	51 325	Diff. Elev. = +189.799
8	168	311	469	5	191 145	46 372	126	688	427	5	151 101	50 375	Backsight stadia = 409 Foresight Stadia = 408
9	174	348	475	5	192 155	37 409	130	341	431	5	146 113	33 408	Total Stadia = 817 meters
	1436	182					1246	383					
BM5-9													BM5-9 (USCGS LC 769) Alameda St. and Southern Ave (92nd St. See F.B. 1206-13

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. 2871 PG. 232 JOB NO. 0311.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY F. E. Brooks NOTES McBurney

INDEXED C. J. GALLI DATE

WEATHER Clear INST. NO. 96-71

TIME 2:35 - 3:10 ROD NO. F-19

NOTES CHKD DATE APR 1 '65

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM BM 5-9 TO BM 5-11
BM 5-9									BM 5-9 (USC&GS LC 469) Alameda St. and Southern Ave (42nd St.) See F.B. 1206-13
1	138 584	439 5		154 / 122 32	182 911	483 5		200 / 164 36	
2	121 544	422 5		147 / 95 52 / 84	162 732	463 5		184 / 140 44	
3	140 989	441 5		164 / 116 48 / 132	184 500	485 5		210 / 158 52 / 132	π K app
4	138 860	439 5		164 / 112 52 / 184	180 309	481 5		206 / 154 52 / 184	Summation of Rur From B.M. 5-9 To B.M. 5-11
5	139 688	440 5		164 / 114 50 / 234	172 390	473 5		188 / 146 52 / 236	
6	152 781	453 5		177 / 127 50 / 284	168 691	469 5		184 / 142 52 / 288	Total Backsights = + 1295.542 ✓
7	154 502	455 5		178 / 130 48 / 332	162 971	463 5		186 / 138 48 / 236	Total Foresights = − 1485.341 ✓
8	153 959	454 5		179 / 127 52 / 384	164 949	465 5		188 / 140 48 / 384	Diff. Elev. = 189.799
9	154 630	455 5		169 / 141 26 / 410	105 888	406 5		118 / 92 26 ✓ / 410	Backsight Stadia = 410 ✓
	1295.542				1485.341				Foresight Stadia = 410 ✓
									Total Stadia = 820 meters ✓
BM 5-11									BM 5-11 (L.A.Co. Rd. Dept BM # 30) Alameda St. and Tweedy Blvd. See F.B. 1206-14

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	Mic.	Left.		Stadia		FORESIGHT Right	Mic.	Left.		Stadia		DESCRIPTION AND REMARKS From BM5-9 To BM5-8
BM5-9													BM5-9 (USC&GS LC 769) Alameda St. and Southern Ave. (92nd St)
	123	663	424	5	135/111	24	199	881	500	5	211/187	24	See F.B. 1206-13
													T. Bustrum
BM5-8													BM5-8 (Watts I-6) Alameda St. and Southern Ave (92nd St.) See F.B. 1206-13

Summation of Bur
From B.M. 5-9
To B.M. 5-8

Total Backsights = + 123.663
Total Foresights = − 199.881
Diff. Elev. = − 76.218

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
DATE 24 Feb 1965
WEATHER Clear
TIME 9:55
INST. NO. 42716
ROD NO. 9-12
INDEXED
DATE
NOTES CHKD. C. J. Gallo
DATE
F.B. 2871 PG. 133

4

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear Wind INST. NO. 96.7M
TIME 2:30 ROD NO. 9-12
NOTES CHKD DATE APR 1 '65

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM5-8 TO BM5-9
BM5-8									BM5-8 (Watts I-6) Alameda St. and Southern Ave (92nd St.)
	212	538	513	5 223 201 ~~22~~ 22	136	351	437	5 148 124 24	See F.B. 1206-13
									T Kapp
BM 5-9									BM 5-9 (USC&GS LC 769) Alameda St. and Southern Ave (92nd St.) See F.B. 1206-13

Summation of Run
From B.M. 5-8
To B.M. 5-9

Total Backsights = + 212.538
Total Foresights = − 136.351
Diff. Elev. = + 76.187

Backsight stadia = 22
Foresight Stadia = 24
Total Stadia = 46 meters

F.B. 2871 Pg. 234 JOB NO. 0701.02
SURVEY OF LA Co Precise Level Net
SURVEY BY F. E. Brooks NOTES FEB
INDEXED C. J. GALL DATE

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 E. E. Brooks

NOTES BY T. M. Kapp DATE 2-24-65 WEATHER Clear INST. NO. 967

TIME 10:05-11:00 ROD NO. 9-15

INDEXED DATE NOTES CHKD. G. J. GALLI DATE

F.B. 2871 PG. 235

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM5-8 TO BM5-7
BM5-8													BM 5-8 (Watts I-6) Alameda St. and Southern Ave (92nd St.) See F.B. 1206-13
1	233	607	534	5	258 / 208	50	137	875	438	5	162 / 112	50	
2	150	032	451	5	177 / 123	54 / 104	144	333	445	5	171 / 116	55 / 105	T Bustrum
3	195	659	496	5	220 / 170	50 / 154	122	333	423	5	146 / 98	48 / 153	
4	161	492	462	5	184 / 138	46 / 200	115	863	416	5	138 / 92	46 / 199	Summation of Run From B.M. 5-8 To B.M. 5-7
5	158	443	459	5	182 / 134	48 / 248	135	523	436	5	160 / 110	50 / 249	
6	134	117	435	5	159 / 109	50 / 298	136	357	437	5	162 / 110	52 / 301	Total Backsights = + 1702.912 ✓
7	170	272	471	5	195 / 145	50 / 348	138	573	439	5	161 / 115	46 / 347	Total Foresights = − 1377.935 ✓
8	156	058	457	5	181 / 131	50 / 398	139	058	440	5	164 / 114	50 / 397	Diff. Elev. = + 324.977 ✓
9	175	581	476	5	199 / 151	48 / 446	132	462	433	5	156 / 108	48 / 445	Backsight stadia = 496 ✓
10	167	651	468	5	192 / 142	50 / 496	175	258	476	5	200 / 150	50 / 495 ✓	Foresight Stadia = 495 ✓
	1702	912 ✓					1377	935 ✓					Total Stadia = 991 ✓ Meters
BM5-7													BM 5-7 (Watts I-5A) Alameda St. near 85th St. See F.B. 3701-21

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear - Wind INST. NO. 96716
TIME 1:50 - 2:20 ROD NO. 9-19
NOTES CHKD. DATE APR 1 1955

F.B. 2871 Pg. 236 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brooks NOTES FEB
INDEXED DATE

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 5-7 TO BM 5-8
BM 5-7									BM 5-7 (Watts I-5A) Alameda St near 85th St See F.B. 3701-21
1	183	642	484	5	175	946	476	5	208 / 158 50 / 200 / 150 50
2	138	275	439	5	181	255	482	5	162 / 114 48 / 98 / 205 / 157 48 / 98
3	140	428	441	5	159	420	460	5	165 / 115 50 / 148 / 184 / 134 50 / 148
4	143	788	444	5	173	669	474	5	167 / 119 48 / 196 / 197 / 149 48 / 196
5	143	082	444	5	139	785	440	5	169 / 117 52 / 248 / 164 / 114 50 / 246
6	142	340	443	5	168	793	469	5	167 / 117 50 / 298 / 194 / 142 52 / 298
7	132	120	433	5	178	330	479	5	152 / 112 40 / 338 / 201 / 155 46 / 344
8	133	491	434	5	188	930	489	5	158 / 108 50 / 388 / 210 / 166 44 / 588
9	141	690	442	5	175	690	476	5	167 / 115 52 / 440 / 201 / 149 52 / 440
10	152	597	453	5	234	611	535	5	179 / 125 54 / 494 / 259 / 209 50 / 490
	1451	423			1776	429			
BM 5-8									BM 5-8 (Watts I-6) Alameda St. & Southern Ave. (92nd St.) See F.B. 1206-13

T Kapp

Summation of Run
From B.M. 5-7
To B.M. 5-8

Total Backsights = + 1451.423'
Total Foresights = − 1776.429'
Diff. Elev. = − 325.006'

Backsight stadia = 494
Foresight Stadia = 490
Total Stadia = 984 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
													FROM BM5-7 TO BM5-6
BM5-7													BM5-7 (Watts I-5A) Alameda St. near 85th St. see F.B. 3701-21
1	207	235	508	5	229 184	45	122	778	423	5	144 100	44	
2	171	768	472	5	194 147	47 92	105	985	406	5	131 79	52 96	T Bustum
3	174	228	475	5	191 157	34 126	157	165	458	5	174 140	34 130	
4	~~164~~ 165	698	466	5	174 156	18 144	95	119	396	5	105 85	20 150	
5	98	943	399	5	104 92	12 156	122	909	423	5	126 118	8 158	
	817	871					603	956					
BM5-6													BM5-6 (USC&GS A-33) Alameda St. at mid N. of Firestone Blvd. in R.R. yard see F.B. 3701-19

Summation of Run
From B.M. 5-7
To B.M. 5-6

Total Backsights = + 817.871
Total Foresights = − 603.956
Diff. Elev. = + 213.915

Backsight stadia = 156
Foresight Stadia = 158
Total Stadia = 314 meters

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

SURVEY BY R. E. Brooks

NOTES BY R. E. Brooks

DATE 24 Feb 1965 WEATHER Clear INST. NO. [illegible]

TIME 11:00 – 11:25 ROD NO. [illegible]

INDEXED DATE NOTES CHKD C. J. GALL DATE [illegible]

F.B. 3871 PG. 157

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear INST. NO. 2471C
TIME 1:35 ROD NO. P-19
NOTES CHKD. DATE APR 1 '65

F.B. 2871 PG. 238 JOB NO. 0301.07
SURVEY OF L.A. Co. Precise Level Net
SURVEY BY E. E. Brook NOTES
INDEXED G. J. DATE

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM BM5-6 TO BM5-7
BM 5-6									BM5-6 (USC&GS A-33) Alameda St. 0.4 Mi. N. of Firestone Blvd in R.R. yard. See F.B. 3701-19
1	118	558	419	5	94	537	395	5	
				123 113 10				99 89 10
2	94	500	395	5	161	815	462	5	
				99 89 10 20				166 156 10 20
3	165	373	466	5	181	941	482	5	
				182 148 34 54				198 164 34 54
4	112	143	413	5	180	339	481	5	
				138 86 52 106				206 154 52 106
~~5~~					~~223~~	~~426~~	~~524~~	~~5~~	~~241 203 6~~
5.	127	833	428	5	213	711	514	5	
				149 105 44 150				234 192 42 148
	618	407			832	343			
BM 5-7									BM 5-7 (Watts I-5A) Alameda St. near 85th St. See F.B. 3701-21

Summation of Rod
From B.M. 5-6
To B.M. 5-7

Total Backsights = 618.407
Total Foresights = 832.343
Diff. Elev. = -213.936

Backsight stadia = 150
Foresight Stadia = 148
Total Stadia = 298 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
													FROM BM5-6 TO BM5-5
BM5-6													BM5-6 (USC&GS A-33) Alameda St. 0.4 mi N. of Firestone Blvd in R.R. yard. See F.B. 3701-19
1	113	241	414	5	126 100	26	115	082	416	5	128 102	26	
	~~113~~	~~311~~	~~414~~	~~5~~	~~134 102~~	~~22~~							
2	162	175	463	5	186 139	47 93	119	723	420	5	142 96	46 92	T Bustrum
3	170	429	471	5	195 145	50 123	113	811	414	5	137 89	48 120	
4	186	593	487	5	214 158	56 199	161	227	462	5	187 135	52 172	
	632	438 ✓					509	843 ✓					
BM 5-5													BM 5-5 (Watts I-4A) Alameda St. and Nadeau St. See F.B. 1206-10

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

Total Backsights = + 632.438 ✓
Total Foresights = − 509.843 ✓
Diff. Elev. = +122.595 ✓

Backsight stadia = 179 ✓
Foresight Stadia = 172
Total Stadia = 351 meters

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks
NOTES BY F. E. Brooks
DATE 24 Feb 1965
WEATHER clear
TIME 11:30 – 11:55
INST. NO. 960
ROD NO. 9-19
INDEXED
DATE
NOTES CHKD C. J. GALLI
DATE 8 1 68
F.B. 2871 PG. 239

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear INST. NO. 40716
TIME 1:05-1:30 ROD NO. 9-12
NOTES CHKD. DATE APR 1 '65

F.B. 2871 Pg. 240 JOB NO. 0301.02
SURVEY OF L.A. Co. Precise Level
SURVEY BY F. E. Brooks NOTES
INDEXED DATE

STATION	BACKSIGHT Right	Mic.	Left.	Stadia	FORESIGHT Right	Mic.	Left.	Stadia	DESCRIPTION AND REMARKS From BM5-5 To BM5-6
BM5-5									BM5-5 Alameda St. and Nadeau St. See F.B. 1806-10
1	163	535	464.5	190 136 54	191	500	492.5	219 163 56	
2	126	859	427.5	150 102 48 102	180	870	481.5	205 155 50 106	T Kipp
3	134	277	435.5	158 110 48 150	176	612	477.5	199 153 46 152	
4	120	345	421.5	133 107 26 176	118	547	419.5	131 105 26 178	
	545	016			667	529			
BM5-6									BM5-6 (USC&GS A-33) Alameda St. 0.4 Mi. N. of Firestone Blvd. in R.R. yard. See F.B. 3401-19

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

Total Backsights = + 545.016
Total Foresights = − 667.529
Diff. Elev. = − 122.513

Backsight stadia = 176
Foresight Stadia = 178
Total Stadia = 354 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.

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

SURVEY BY A.M. Kepp DATE 2-24-65 WEATHER Hazy TIME 1:15-2:05 INST. NO. 967

NOTES BY ROD NO. 9-15

INDEXED DATE NOTES CHKD. C. T. GALLI DATE

F.B. 2871 PG. 244

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM5-5 TO BM5-4
BM5-5													BM5-5 (Watts I-4A) Alameda St. and Nadeau St. See F.B. 1206-10
1	226	940	527	5	249 203	46	113	618	414	5	137 89	48	
2	193	258 ~~368~~	494	5	216 170	46 92	107	188	408	5	131 83	48 96	T Luther Bustrum
3	156	998	457	5	181 131	50 142	132	128	433	5	154 110	44 140	
4	158	838	459	5	180 136	44 186	124	295	430	5	152 106	46 186	Summation of Run From B.M. BM5-5 To B.M. BM5-4
5	165	791	466	5	189 141	48 234	123	169	424	5	146 100	46 232	Total Backsights = + 1768.474
6	163	888	464	5	186 140	46 280	134	062	435	5	159 109	50 282	Total Foresights = − 1213.674
7	184	083	485	5	208 160	48 328	122	441	423	5	146 98	48 330	Diff. Elev. = + 554.800
8	175	813	476	5	200 151	49 377	112	883	413	5	137 87	50 380	Backsight Stadia = 431
9	177	558	478	5	200 154	46 423	142	907	443	5	164 120	44 424	Foresight Stadia = 432
10	165	307	466	5	169 161	8 431	95	983	—	5	99 91	8 432	Total Stadia = 863 meters
							Used Steel Tape						
BM5-4	1768	474					1213	674					BM 5-4 Florence Ave., E. of Alameda St. See F.B. 1206-8

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Clear TIME 11:15-11:50 NOTES CHKD. [illegible] DATE APR 1 '65

INST. NO. 96-716 ROD NO. 9-19

F.B. 1211 PG. 244 JOB NO. C301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY [illegible] NOTES FEB.

INDEXED C. J. Gaul DATE

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM BM 5-4 TO BM 5-5
BM 5-4									BM 5-4 Florence Ave E., of Alameda St. See FB 1206-8 steel tape used on backsight π Kopp
1	92	946	~~94~~ ~~90~~	~~4~~ 94 90 4	162	089	463	5 164 160 4	
2	141	781	442	5 165 117 48 52	176	472	~~472~~ 477	5 197 155 42 46	
3	120	838	421	5 144 96 48 100	181	341	482	5 207 155 52 98	Summation of Run From B.M. 5-4 To B.M. 5-5
4	134	376	435	5 158 110 48 198	192	082	493	5 216 168 48 146	
5	136	002	437	5 161 111 50 198	172	149	473	5 195 149 46 192	
6	141	035	442	5 ~~164~~ ~~128~~ ~~46~~ 246	183	160	484	5 210 156 54 246	1283.483' −1838.013' −554.530'
7	135	658	436	5 158 112 46 290	169	682	470	5 191 147 44 290	
8	144	269	445	5 167 121 46 336	164	871	465	5 188 140 48 338	
9	111	488	412	5 135 87 48 384	198	949	499	5 221 175 46 384	Back 432' Foresight 430' Total 862' meters
10	125	090	426	5 149 101 48 432	237	318	538	5 260 214 46 430	
	1283	483			1838	013			
BM 5-5									BM 5-5 (Watts I-4A) Alameda St & Naderu St See FB 1206-10

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 BM 5-4 TO BM 5-3
BM5-4									BM5-4 (USC&GS W 769) Alameda St. and Florence Ave.
1	90	235		93 86 7	112	275	443 5	167 157 10	See F.B. 1206-B
2	154 ~~441~~	408 ~~643~~	455 5	169 139 30 39	191	313	492 5	203 179 24 34	Steel Tape used on backsight
	244	643			353	588			A Bustrum
BM 5-3									BM5-3 (Watts H-4) Alameda St. and Florence Ave See F.B. 1206-B

Summation of Run
From B.M. 5-4
To B.M. 5-3

Total Backsights = + 244.643
Total Foresights = − 353.588
Diff. Elev. = − 108.945

Backsight stadia = 37
Foresight Stadia = 34
Total Stadia = 71 meters

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY F. E. Brooks
NOTES BY K. E. Brooks
DATE 24 Feb 1965
WEATHER Clear
TIME 2:30
INST. NO. 2871
ROD NO. P-12
INDEXED
DATE
NOTES CHKD C. J. GALLI
DATE MAR 1 65
F.B. 2871 PG. 243

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. 1871 PG. 144 JOB NO. 0301.02 LA. Co. Precise Level Net

SURVEY OF E. Brooks NOTES

SURVEY BY G. J. GALLI DATE

INDEXED

WEATHER Clear INST. NO. 9176

TIME 3:40 - ROD NO. 4-16

NOTES CHKD. DATE MAR 1 '65

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM5-3 TO BM5-4
BM5-3									BM5-3 (Watts 4-4) Alameda St. and Florence Ave See F.B. 1206-B
1	189	123	490	5	152	221	463	5	202 177 25 / 164 139 30
2	165	481	466	5	93	569			170 160 10 35 / 97 89 8 38 / π Bustrum
	354	604			245	730			steel tape used on Foresight
BM5-4									BM5-4 (USC&GS W969) Alameda St. and Florence Ave See F.B. 1206-B

Summation of Run
From B.M.
To B.M.

Total Backsights = + 354.604
Total Foresights = − 245.730
Diff. Elev. = + 108.874

Backsight stadia = 35
Foresight Stadia = 38
Total Stadia = 73

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

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

SURVEY BY

NOTES BY K. M. Kapp DATE 2-24-65 TIME 2:50 WEATHER Hazy-Windy INST. NO. 9671 ROD NO. 9-15

INDEXED DATE NOTES CHKD C. J. GALLI DATE

F.B. 2571 PG. 245

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM5-4 TO BM5-75
BM 5-4	Used Steel Tape								BM5-4 (USC&GS W 769) Alameda St. and Florence Ave See F.B. 1206-8
1	86	939	—	90 / 82 / 8	135	469	436	5 / 139 / 131 / 8	
2	139	111	440	5 / 147 / 131 / 16 / 24	145	058	446	5 / 153 / 137 / 16 / 24	T Bustrum
3	168	598	469	5 / 192 / 144 / 48 / 72	131	598	432	5 / 154 / 108 / 46 / 70	Summation of Run From B.M. 5-4 To B.M. 5-75
4	145	429	446	5 / 168 / 122 / 46 / 118	120	429	421	5 / 147 / 96 / 48 / 118	
5	166	483	467	5 / 191 / 140 / 51 / 169	129	947	430	5 / 159 / 109 / 50 / 168	
6	174	065	475	5 / 198 / 150 / 48 / 217	119	658	420	5 / 144 / 94 / 50 / 218	Total Backsights = + 1534.996 ✓ Total Foresights = − 1264.505 ✓ Diff. + 270.491 ✓
7	168	317	469	5 / 193 / 143 / 50 / 267	126	923	427	5 / 151 / 101 / 50 / 268	
8	154	361	455	5 / 178 / 130 / 48 / 315	139	389	440	5 / 163 / 115 / 48 / 316	Backsight stadia = 401 ✓ Foresight Stadia = 402 ✓ Total Stadia = 803 meters
9	165	942	466	5 / 187 / 143 / 44 / 359	131	869	432	5 / 154 / 108 / 46 / 322	
10	165	751	466	5 / 186 / 144 / 42 / 401	84	165	385	5 / 104 / 64 / 40 / 402	
	1534	996			1264	505			
BM 5-75									BM 5-75 Alameda St. (W.) & Gage Ave. See F.B. 3701-11

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. NO. 96716 ROD NO. 9-19 DATE APR 1 '65

WEATHER Clear TIME 10:40-11:15 NOTES CHKD

SURVEY OF L.A. Co. Section Line

SURVEY BY F. E. BROOKS NOTES M. Rustum DATE

INDEXED G. J. GALL

JOB NO. 0301.02

F.B. 2811 PG. 246

STATION	BACKSIGHT Right	Mic.	Left.	Stadia	FORESIGHT Right	Mic.	Left.	Stadia	DESCRIPTION AND REMARKS
									FROM BM 5-75 TO BM 5-4
BM5-75									BM5-75 Alameda St. w. of Gage Ave See FB 3701
1	92	796	393 5	112 72 40	174	278	475 5	174 154 40	
2	139	393	440 5	167 116 46 86	172	408	473 5	184 150 44 84	T Kapp
3	151	308	452 5	175 127 48 134	170	219	471 5	195 145 50 134	Summation of Run From B.M. 5-75 To B.M. 5-4
4	140	209	441 5	169 116 48 182	180	695	481 5	205 155 50 184	
5	131	555	432 5	156 106 50 232	180	392	481 5	204 156 48 232	
6	138	659	439 5	163 113 50 282	178	368	479 5	203 153 50 282	Total Backsights = + 1371.093 Total Foresights = − 1641.098 Diff. Elev. = − 270.005
7	126	258	427 5	150 102 48 330	151	289	452 5	174 128 46 328	
8	141	470	442 5	164 118 46 376	177	765	478 5	201 153 48 376	Backsight Stadia = 400 Foresight Stadia = 400 Total Stadia = 800 meters
9	154	893	455 5	162 146 16 392	149	653	450 5	158 141 16 392	
10	154	552	455 5	158 150 8 400	106	028	5	110 102 8 400	
	1371	093			1641	098			Steel Tape used
BM5-4									BM5-4 (U.S.C&G.S. W 769) Alameda St. & Florence Ave. See FB 1206-8

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 E. E. Brooks
NOTES BY F.E.B.
DATE 26 Feb 1965
WEATHER Clear
TIME 9:10 - 9:45
INST. NO. 26-71
ROD NO. 8-19
INDEXED
DATE
NOTES CHK'D C. J. GALLI
DATE FEB 1 '65
F.B. 4811 PG. 24-26A

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 5-4 TO BM 5-75
BM 5-4													BM 5-4 (USC&GS W 769) Alameda St. and Florence Ave
1	106	370			110 / 102	8	154	838	455	5	158 / 150	8	See F.B. 1206-8
2	150	402 / ~~404~~	451 / ~~450~~	5	158 / 142	16 / 24	156	639	457	5	165 / 147	18 / 26	steel tape used on backsight T Kapp
3	180	970	481	5	209 / 156	48 / 72	143	715	444	5	166 / 120	46 / 72	
4	152	483	453	5	175 / 129	46 / 118	127	059	428	5	151 / 103	48 / 120	Summation of Rus From B.M. 5-4 To B.M. 5-75
5	176	650	477	5	201 / 151	50 / 168	138	820	439	5	163 / 113	50 / 170	
6	184	342	485	5	208 / 160	48 / 216	133	920	434	5	158 / 108	50 / 220	Total Backsights = + 1654.911
7	183	113	484	5	209 / 157	52 / 268	139	001	440	5	164 / 114	50 / 270	Total Foresights = − 1384.526
8	166	639	467	5	186 / 144	44 / 312	152	282	453	5	176 / 128	48 / 318	Diff. Elev. = + 270.385
9	179	148	478	5	201 / 153	48 / 360	142	502	443	5	164 / 120	44 / 362	Backsight stadia = 400
10	176	796	477	5	196 / 156	40 / 400	95	750	396	5	115 / 75	40 / 402	Foresight Stadia = 402
BM 5-75	1654	911					1384	526					Total Stadia = 802 meters
													BM 5-75 Alameda St. (W.) & Gage Ave See F.B. 3701-11

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. 2871 Pg. 2468 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY E. brooks NOTES E. brooks

INDEXED C. J. GALLI DATE

WEATHER Clear INST. NO. 9L 916

TIME 10:05 - 10:30 ROD NO. 9-10

NOTES CHKD DATE MR 1 '65

STATION	BACKSIGHT Right	Mic.	Left	Stadia			FORESIGHT Right	Mic.	Left	Stadia			DESCRIPTION AND REMARKS
													FROM BM 5-75 TO BM5-4
BM5-75													BM5-75 Alameda St. (W.) and Gage Ave See F.B. 3701-11 T Kopp
1	95	485	396	5	115 75	40	177	253	478	5	198 162	42	
2	137	194	438	5	160 114	46 86	169	417	470	5	191 147	44 86	
3	149	435	450	5	173 125	48 134	166	005	467	5	188 144	44 170	
4	139	200	440	5	164 114	50 184	177	580	478	5	203 151	52 182	Summation of Run From B.M. 5-75 To B.M. 5-4
5	136	401	439	5	161 111	50 234	181	359	482	5	206 156	50 232	
6	140	220	441	5	164 116	48 282	182	715	483	5	208 156	52 284	
7	120	280	421	5	144 96	48 330	151	480	452	5	174 128	46 330	Total Backsights = + 1368.574
8	141	219	442	5	164 118	46 376	178	051	479	5	202 154	48 378	Total Foresights = − 1638.728
9	157	136	458	5	165 149	16 392	151	370	452	5	159 143	16 394	Diff. Elev. = −270.154
10	151	999	452	5	152 142	10 402	103	498			109 99	8 402	Backsight Stadia = 402 Foresight Stadia = 402 Total Stadia = 804 meters
	1368	574					1638	728					Steel tape used on foresight
BM5-4													BM5-4 (USC&GS W 769) Alameda St. and Florence Ave See F.B. 1206-8

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 NOTES BY F. E. Brooks DATE 26 Feb 1965 WEATHER Clear

INDEXED DATE NOTES CHKD C. J. GALLI DATE 8-1-65 INST. NO. 96 ROD NO. 2-12

F.B. 2871 Pg. 24

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM5-75 TO BM5-2
BM5-75													BM5-75 Alameda St. and Gage Ave See F.B. 3701-11
1	158	362	459	5	184 133	51	130	991	431	5	156 104	52	
2	186	085	487	5	212 160	52 103	103	225	404	5	130 76	54 106	T Kapp
3	172	640	473	5	200 144	56 159	146	740	447	5	174 118	56 162	
4	205	880	506	5	232 178	54 213	145	160	446	5	172 118	54 216	
5	181	320	482	5	208 154	54 267	111	061	412	5	138 84	54 270	
6	197	650	498	5	219 175	44 311	173	821	474	5	193 153	40 310	
7	158	410	459	5	162 154	8 319	62	470			66 58	8 318	steel tape used for foresight
	1260	247					873	468					
BM5-2													BM5-2 (USC&GS X 769) Alameda St. and Randolph St. See F.B. 1206-6, 7

Summation of Run
From B.M. 5-75
To B.M. 5-2

Total Backsights = + 1260.247
Total Foresights = − 873.468
Diff. Elev. = + 386.779

Backsight stadia = 319
Foresight Stadia = 318
Total Stadia = 637 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.

F.B. 2871 PG. 248 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level

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

INDEXED G. T. GALLI DATE

WEATHER Clear INST. NO. 96716

TIME 9:55 - 10:20 ROD NO. 8-19

NOTES CHKD. DATE APR 1 1965

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS From BM 5-2 To BM 5-75
BM 5-2									BM 5-2 (U3C0G3 X 769) Alameda St. and Randolph St. See F.B. 1206-6, 7
1	65	292		69 61 8	161	790	462 5	164 158 6	
2	169	257	470 5	189 149 40 48	194	831	495 5	216 172 44 50	steel tape used on backsight ↑ Kapp
3	117	769	418 5	143 91 52 100	184	898	485 5	211 157 54 104	
4	145	910	446 5	172 118 54 154	204	630	505 5	231 177 54 158	
5	147	600	448 5	184 130 54 208	208	701	509 5	236 180 56 214	
6	136	150	437 5	163 109 54 262	185	428	486 5	211 159 52 266	
7	134	315	435 5	160 108 52 314	162	726 ~~496~~	463 5	186 138 48 314	
	916	293			1303	004			
BM 5-75									BM 5-75 Alameda St. and Gage Ave See F.B. 3701-11

Summation of Run
From B.M. 5-2
To B.M. 5-75

Total Backsights = + 916.293
Total Foresights = − 1307.004
Diff. Elev. = − 386.711

Backsight stadia = 314
Foresight Stadia = 314
Total Stadia = 628 meters

76PE26/CE # 208 2/61

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

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

Do not extend notes this side of this line.

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

SURVEY BY F. E. Brooks NOTES BY

DATE 25 Feb 1965 WEATHER Clear

TIME 9:50 INST. NO. 967

ROD NO. 9-16

INDEXED DATE

NOTES CHKD. G. J. Gall DATE

F.B. 1201 PG. 249

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM5-2 TO BM5-1
BM5-2									BM5-2 (USC&GS x769) Alameda St. and Randolph St. See F.B. 1206-6, 7
	69	038		79 59 20	169	740	470	5 179 159 20	
									stat tape used on Backsight π Kapp
BM5-1									BM5-1, (Watts H-2) Alameda St. and Randolph St. See F.B. 1206-6, 7

Summation of Run
From B.M. 5-2
To B.M. 5-1

Total Backsights = + 69.038
Total Foresights = − 169.740
Diff. Elev. = −100.702

Backsight stadia = 20
Foresight Stadia = 20
Total Stadia = 40 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
	R	LEFT.		GHT	MIC.	LEFT	FROM BM5-1 TO BM5-2
BM5-1							BM5-1 (Watts H-2) Alameda st. and Randolph st. See F.B. 1206-C.7
	166.702	467.5		65.962		5-20	
							Kapp
							Steel tape used on foresight
BM5-2							BM5-2 (USC&GS X769) Alameda st. and Randolph st. See F.B. 1206-C.7

Summation of Run
From B.M. 5-1
To B.M. 5-2

Total Backsights = + 166.702
Total Foresights = − 65.962
Diff. Elev. = +100.740

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

WEATHER Clear
TIME 9:55
NOTES CHKD
INST. NO. 91716
ROD NO. 8-19
DATE

JOB NO. 6301.02
NOTES
DATE

F.B. 2871 PG. 250
SURVEY OF
SURVEY BY
INDEXED