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

Survey of L.A.C. Precise Level Net
JN0301.02 Tape — Std — °F
Surveyed by Randall
Notes Date
Indexed G. GALLI MAR 30 '71

F. B. 4110 PG. 5

BOOK INDEX

LINE Nº		PG's.
10		7 thru. 96
BLANK		100 — 110
203		111 thru. 220
	FULL 26-Mar-71	

Notes Ck'd by	Survey of L.A.Co. Precise Level Net
Map No.	JN0301.02 Tape — Std — °F
Office Work	Surveyed by Randall
Checked	Notes " Date 17-Feb-71
Date	Indexed B.L. BALLI MAR 30 71

F. B. 4110 PG. 7

LOS ANGELES COUNTY

PRECISE LEVEL NET

LINE Nº 10

J. N. 0301.02

FEB. 1971

REFERENCES

F.B. 1375
1376
2880
2881
3707
3709 (RECOVERY BOOK)
3710

PARTY

RANDALL
ANDERSON
RODRIGUEZ R.
LOVE
MIYAHIRA

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

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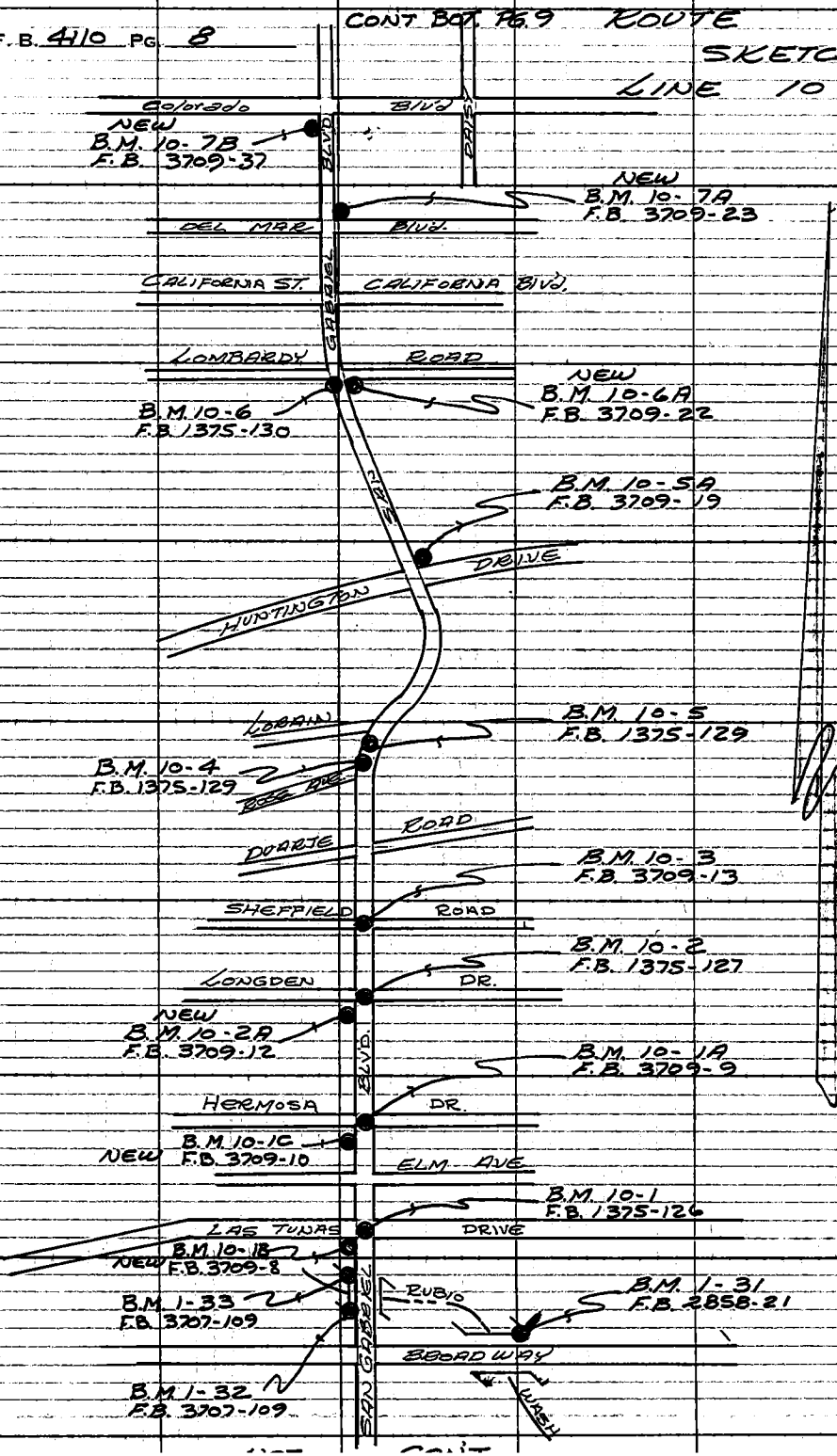
26F309S CE#310 3-69

F.B. 4110 PG. 8

CONT. BOT. PG. 9

ROUTE SKETCH LINE 10



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CONT.

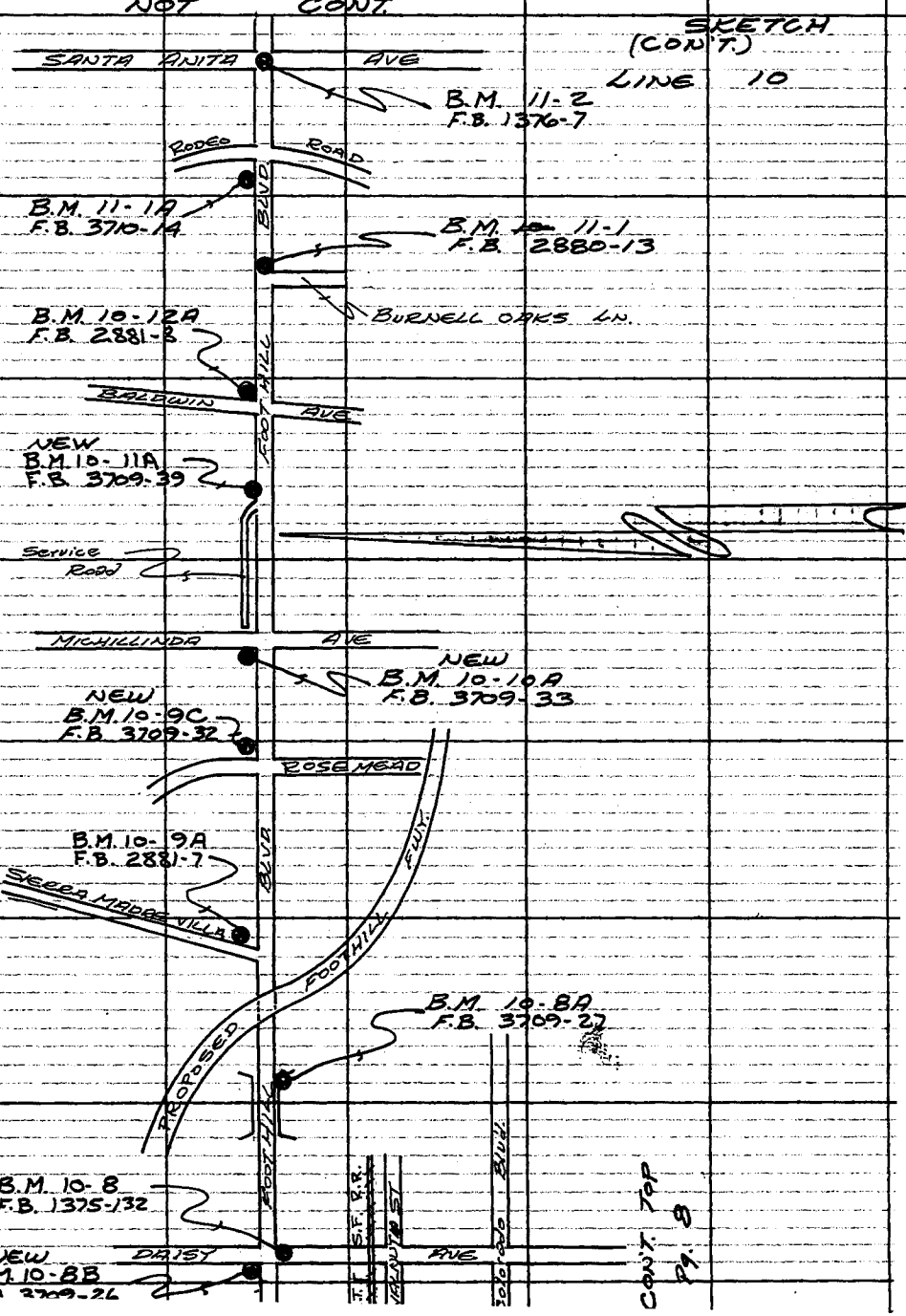
Notes Ck'd by	Survey of L.A. Co. Precise Level Net
Map No.	JN0301.02 Tape — Std — °F
Office Work	Surveyed by RANDALL
Checked	Notes " Date 17-Feb-71
Date	Indexed [illegible]

F. B. 4110 PG. 9

ROUTE SKETCH (CON'T.)

LINE 10

NOT CONT.



CONT. TOP PG. 8

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6F309S CE#310 3-69

76P526B CE # 308 8/68

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STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
1	141	940	442 5	143 139 4	169	669	470 5	196 142 54	54 M- 4 M= 50 M=0.20mm
2	155	929	456 5	157 153 4	128	230	429 5	155 101 54	54 M- 4 M= 50 M=0.20 mm
	297	869		8	297	899		108	
	297	859				-0.40mm		8	
	+	010			-0.	mm		100	Curvature Corr.=0.40 mm
					297	859			
					-				⊼ Rodriquez
		.001	mm= "C"						
	100	0.100							
							mm= "C"		

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY Randall WEATHER Clear & Calm INST. NO. 75234
NOTES BY Hijahira Randall DATE 3 ~~28~~ Feb '71 TIME 08:45 ROD NO. 2139 A-13
INDEXED G. J. GALLO DATE MAR 30 '71 NOTES CHKD ____ DATE ____

F.B. 4110 PG. 11

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

SURVEY BY Randall WEATHER Clear INST. NO 75234

NOTES BY Rodriguez DATE 4 FEB 71 TIME 08:35 ROD NO 2139 AB

INDEXED L. L. GALLI DATE MAR 30 71 NOTES CHKD DATE

F.B. 4110 PG. 13

T=54°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
1	151	670	452 5	153 149 4	263	410	564 5	290 236 54	54 M- 4 M= 50 M=0.20 mm
2	125	683	426 5	127 123 4	13	899	314 5	40 ½) 13 54	54 M- 4 M= 50 M=0.20 mm
	277	357		08	277	309		108	
	277	269						-8	
	+	084			-0.40 mm			100	Curvature Corr.=0.40 mm
					277	269			
					-				Π Miyahira
	+	0.008							
		~~0.008~~		mm= "C"					
	100	0.84							
					100			mm= "C"	

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM _____ TO _____
			DETERMINATION OF "C"										
		NEAR ROD						FAR ROD					
1	132	275	433	5	134 130	04	101	577	402	5	228 174	54	54 M- 04 M= 50 M=0.20 mm
2	140	151	441	5	142 138	04	170	783	471	5	197 142	54	54 M- 04 M= 50 M=0.20 mm
	272	426					272	360				108	
	272	320					–	0.40 mm				-08	
	+	106					-0. mm					100	Curvature Corr.=0.40 mm
							272	320					
							–						⊼ Miyabria
		.0106 ~~0.016~~			mm= "C"								
	100 /	1.06 100 600											
							100 /				mm= "C"		

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

SURVEY BY Rodriguez WEATHER Clear INST. NO. 75234

NOTES BY Randall DATE 5-Feb-71 TIME 08:45 ROD NO. 2139AA

INDEXED L. L. GALLI DATE MAR 30 '71 NOTES CHKD. DATE

T=46°

F.B. 4110 PG. 15

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

SURVEY BY Randall

NOTES BY ANDERSON DATE 8-Feb-71

INDEXED L. GALLI DATE MAR 30 '71

WEATHER CLEAR & CALM

TIME 11:30

NOTES CHKD

DATE

INST. NO. 75234

ROD NO. 2139AB

F.B. 4110 PG. 17

T = 70°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
1	179	302	480 5	181 / 177 4	198	219	499 5	225 / 171 54	54 M- 4 M= 50 M=0.20 mm
2	151	383	452 5	153 / 149 4	132	502	433 5	159 / 105 54	54 M- 4 M= 50 M=0.20 mm
	330	685		8	330	721		108	
	330	681			-	0.40 mm		- 8	
	+ 0	004			-0.	mm		100	Curvature Corr.=0.40 mm
					330	681			
					-				⊼ RODRIGUEZ

+ 0.0004 mm= "C"

100 / 0.0400

mm= "C"

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY J. RANDALL
NOTES BY R. ANDERSON
DATE 10-FEB 171
WEATHER CLEAR & CALM
TIME 09:15
INST. NO. 75223
ROD NO.
INDEXED
DATE MAR 30 '71
NOTES CHKD
DATE
T = 78°
F.B. 4116 Pg. 19

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ___ TO ___
									DETERMINATION OF "C"
	NEAR ROD				FAR ROD				
1	149	938	450	5 151 / 147 4	39	349	340	5 66 / 12 54	54 M- 4 M=50 M=0.20 mm
2	160	920	461	5 162 / 158 4	271	480	572	5 298 / 244 54	54 M- 4 M=50 M=0.20 mm
	310	858		8	310	829		108	
	310	789						8	
	+ 00.69				-0.40 mm			100	Curvature Corr.=0.40 mm
					310	789			
					-				
									π RODRIGUEZ
	+ 0.007 mm= "C"								
	100 / 0.690								
					/ mm= "C"				

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

SURVEY BY Randall

NOTES BY Miyahira DATE 11-Feb-71

INDEXED L. GALLI DATE 30 71

WEATHER Calm & Clear

TIME 0850

NOTES CHKD

DATE

INST. NO. 75239

ROD NO. 2159AB

F.B. 4170 PG. 21

T= 76

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"												
	NEAR ROD						FAR ROD						
1	133	613	434	5	135 / 131	4	67	323	368	5	94 / 40	54	54 M- 4 M= 50 M=0.20mm
2	145	164	446	5	147 / 143	4	211	317	512	5	238 / 184	54	54 M- 4 M= 50 M=0.20mm
	278	777				8	278	640				108	
	278	600						-0.40mm				-8	
	+	177					~~-0. mm~~					100	Curvature Corr.=0.40mm
							278	600					
							-						⊼ Anderson
		0.0177 mm= "C"											
	100 / 1.77												
								mm= "C"					

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

SURVEY BY Campbell

NOTES BY ANDERSON DATE 16 - FEB. 171

INDEXED C. J. GALLI DATE MAR 30 '71

WEATHER Cloudy & Calm INST. NO. 75234

TIME 08:25 ROD NO. 9519

NOTES CHKD. DATE

T = 56°

F.B. 4110 PG. 23

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
				156				149	
1	154	549	455 6	152 4	122	679	423 5	95 54	54 M- 4 M= 50 M=0.20 mm
				164				229	
2	162	238	463 5	160 4	194	039	495 5	167 54	54 M- 4 M= 50 M=0.20 mm
	316	787		8	316	718		108	
	316	678				-0.40 mm		-8	
	+ 0	1,09			~~-0.~~	mm		100	Curvature Corr.=0.40 mm
					316	678			
					-				T = RODRIGUEZ
	+	0.011	mm= "C"						
	100	1,090							
		100							
		90							
							mm= "C"		

76P526B CE # 308 8/68

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

SURVEY BY Randall WEATHER Overcast INST. NO. 75234

NOTES BY Rodriguez DATE 17-Feb-71 TIME 08:00 ROD NO. 11348

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

F.B. 4110 PG. 25

T=64°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
1	136 ~~104~~	801 ~~975~~	437 ~~405~~ 5	(134) 138 04	104	975	405 5	131 77 54	54 M- 4 M= 50 M=0.20mm
2	146	150	447 5	148 144 04	178	017	479 5	205 151 54	54 M- 4 M= 50 M=0.20 mm
	282	951		08	282	992		108	
					-	0.40 mm		-08	
	+				~~-0.~~	~~mm~~		100	Curvature Corr.=0.40 mm
					282	952			
					282	951			
					-	001			↖ Miyahira
				mm= "C"					
					-	0.00		mm= "C"	
					100	0.01			

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Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
			DETERMINATION OF "C"						
		NEAR ROD				FAR ROD			
1	139	235	440 5	141 137 04	107	355	408 5	134 80 54	54 M- 4 M= 50 M=0.20 mm
2	139	640	440 5	141 137 04	171	529	472 5	198 144 54	54 M- 4 M= 50 M=0.20 mm
	278	875		08	278	884		108	
	278	844			—	0.40 mm		-08	
	+	031			-0. mm			100	= Curvature Corr.=0.40 mm
					278	844			
					-				⊼ Miyahira

+ 0.0031 mm= "C"

100 / 0.310
300

mm= "C"

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

SURVEY BY Rodriguez DATE 18-Feb-71 WEATHER Clear INST. NO. 75234

NOTES BY Rodriguez DATE 18-Feb-71 TIME 08:00 ROD NO. 1713AB

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

T= 68°

F.B. 4110 PG. 27

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
B.M. 1-31	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 1-31 TO B.M. 1-32
1	169	073	470	5	172 / 166	6	130	693	431	5	133 / 127	6	B.M. 1-31
													Broadway @ Rubio Wash
2	144	657	445	5	155 / 133	22	136	522	437	5	147 / 125	22	F.B. 2858-21
						28						28	⊼ Anderson
3	184	542	485	5	208 / 160	48	72	332	373	5	96 / 48	48	
						76						76	
4	217	518 (NOTED)	518	5	285 / 199	36	98	632	399	5	(1/2) 116 / 98	36	
+	715	790				112	438	179				112	
BM 1-32 -	438	179										112	BM 1-32
+	277	611										224	San Gabriel Blvd @ Rubio Wash
													FB 3707-109

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

SURVEY BY Randall

NOTES BY Miyahira DATE 16 Feb '71 WEATHER Calm & Cloudy INST. NO. 75234

INDEXED [illegible] DATE [illegible] TIME 10:00 ROD NO. 9-19

NOTES CHKD DATE

F.B. 4110 PG. 29

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F.B. 4110 PG. 30 JOB NO. 030102 T=58

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Randall NOTES Miyahira 16 Feb '71

INDEXED O.K. DATE

WEATHER Clear & Cloudy INST. NO. 75234

TIME 0940 ROD NO. 9.19

NOTES CHKD DATE

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
B.M.1-32	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M.1-32 TO B.M.1-31
1	114	648	415	5	130 98	32	212	970	513	5	228 196	32	B.M.1-32 (Flood Control 58-201)
													San Gabriel Blvd. @ Rubio Wash
~~2~~	~~212~~	~~970~~	~~513~~	~~5~~	~~228~~ ~~196~~	~~32~~	—	—	—	5	—	—	F.B. 3707-109
													T Anderson
2 ~~3~~	54	800	355	5	80 28	52 84	185	794	486	5	211 169	52 84	
3	131	224	432	5	142 120	22 106	141	099	442	5	152 130	22 106	
4	136	559	437	5	139 133	6	174	882	475	5	177 171	6	
	+ 437	231 ✓				✓ 112	- 714	745 ✓				✓ 112	
BM 1-31							+ 437	231				112	BM 1-31
							- 277	514 ✓				✓ 224	Broadway @ Rubio Wash
													FB 2858-21

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
B.M. 1-32	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M.1-32 TO B.M.1-33
													B.M.1-32 (Flood Control 58-201)
													San Gabriel Blvd. @ Rubio Wash
													F.B. 3707-109
1	142	898	443	5	146 138	8	132	237	433	5	136 128	8	⊼ Anderson
						8						8	
												8	
+	142	898					132	237				16 ✓	
B.M.1-33 -	132	237											B.M. 1-33 (Flood Control 58-523)
+	10	661 ✓											San Gabriel Blvd. @ Rubio Wash
													F.B. 3707-109

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

SURVEY BY Randall WEATHER Calm & Cloudy INST. NO. 75234

NOTES BY Miyahira DATE 16 Feb '71 TIME 10:20 ROD NO. 9.19

INDEXED [illegible] DATE MAR 30 71 NOTES CHKD DATE

F.B. 4110 PG. 31

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Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
B.M.1-33									FROM B.M.1-33 TO B.M.1-32
									B.M.1-33 (Flood Control 58-523
									San Gabriel Blvd. @ Rubio Wash
									F.B. 3707-109
1	131	072	432 5	135 127 8	141	743	442	146 137 8	⊼ Anderson
				8				8	
								8	
	+131	072			-141	743		16	
B.M.1-32					+131	072			BM 1-32
					-10	671 ✓			San Gabriel Blvd. @ Rubio Wash
									FB 3707-109

T = 58

WEATHER Calm & Cloudy INST. NO. 7523

TIME 0930 ROD NO. 9-19

NOTES CHKD DATE

F.B. 4110 PG. 32 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Randall NOTES Miyashira 16 Feb '71

INDEXED [illegible] DATE

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STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
B.M. 1-33									FROM B.M. 1-33 TO B.M. 10-1B
1	187	431	488 5	216 / 158 58	17	769	318 5	46 / 17 1/2 58	B.M. 1-33
				299				62	SAN GABRIEL BLVD. & RUBIO WASH
2	299	869	600 5	264 1/2 70	16	658	317 5	16 1/2 72	F.B. 3707-109
				232 / 28				101 / 30	
3	216	201	517 5	200 32	85	972	386 5	69 32	⊼ RODRIGUEZ
				149 / 60				178 / 62	
4	147	872	448 5	145 4	176	282	477 5	174 4	
+	851	373	✓	164	296	681	✓	166	
B.M. 10-1B	296	681						164	B.M. 10-1B
+	554	692	✓					330	SAN GABRIEL BL. & LAS TUNAS
									F.B. 3709-8 S.W. COR

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

SURVEY BY J. RANDALL WEATHER CLOUDY & CALM INST. NO. 76234

NOTES BY R. ANDERSON DATE 2-FEB. '71 TIME 15:00 ROD NO. 2139A-B

INDEXED B. L. GALLI DATE MAR 30 '71 NOTES CHKD. DATE

F.B. 4110 PG. 33

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
B.M. 10-1B	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 10-1B TO B.M. 1-33-3
					142						208		B.M. 10-1B
1	131	331	432	5	120	22	197	919	498	5	186	22	SAN GABRIEL BL. & LAS TUNA
					64						296		F.B. 3709-8 S.W. CO
2	29	311	330	5	29 ½	70	296	468	597	5	262 ½	68	
						92					242	90	π RODRIGUEZ
3	16	770	317	5	42 16 ½	52	217	852	518	5	192	50	
					153	144					175	140	
4	146	550	447	5	139	14	166	458	467	5	157	18	
	+323	962				158	-878	697				158	
B.M. 1-33							-323	962				158	B.M. 1-33
							554	735				316	SAN GABRIEL BL & RUBIO WASH F.B. 3707-109

T = 56°

F.B. 4110 PG. 34 JOB NO. 030102

SURVEY OF L.A.Co. Precise Level Not

SURVEY BY Randall NOTES ANDERSON DATE: 16-FEB. '71

INDEXED G. J. GALLI DATE

WEATHER CLOUDY & CALM INST. NO. 7523

TIME 09:10 ROD NO. 9&15

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
B.M. 10-1B	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 10-1B TO B.M. 10-1
													B.M. 10-1B
													SAN GABRIEL BL. & LAS TUNAS
					211						180		F.B. 3709-8 S.W. COR.
1	203	589	504	5	195	16	172	809	473	5	164	16	T RODRIGUEZ
B.M. 10-1													B.M. 10-1
+	203	589					172	809				16	SAN GABRIEL BL. & LAS TUNAS
-	172	809										16	F.B. 1375-126 & INT.
+	30	780										32	

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

SURVEY BY J. RANDALL WEATHER CLOUDY & CALM INST. NO. 75234

NOTES BY R. ANDERSON DATE 2-FEB. '71 TIME 15:20 ROD NO. 2139 A.R.

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

T=580

F.B. 4110 PG. 35

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
B.M. 10-1													FROM B.M. 10-1 TO B.M. 10-1B
													B.M. 10-1
													SAN GABRIEL BL. & LAS TUNAS
					202				NOTE		221		F.B. 1375-126 & INT.
1	186	100	487	5	170	32	221	522	522	5	205½	32	⊼ RODRIGUEZ
					170						167		
2	168	778	469	5	166	4	164	052	465	5	161	6	
+	354	878	✓			36	385	574	✓			38	
B.M. 10-1B							354	878				36	B.M. 10-1B
							30	696	✓			74	SAN GABRIEL BL. & LAS TUNAS
													F.B. 3709-8 S.W. COR.

T-560

F.B. 4110 PG. 36 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Randall NOTES ANDERSON DATE: 16-FEB. 71

INDEXED C. J. CALLI DATE

WEATHER CLOUDY & CALM INST. NO. 7523

TIME 08:55 ROD NO. 9E19

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
B.M. 10-1	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 10-1 TO B.M. 10-1 C
1	222	680	523	5	~~235~~ 209	26	110	960	411	5	~~125~~ 95	30	B.M. 10-1
					266						98		SAN GABRIEL BL. & LAS TUNAS
2	266	642	567	5	228 Ch	76	60	970	361	5	22	76	F.B. 1375-126 & INT.
					268	102					116	106	
3	244	269	545	5	220	48	94	290	395	5	72	44	⊼ RODRIGUEZ
					150	150					184	150	
4	146	372	447	5	142	8	180	741	481	5	176	8	
+	879	963	-			158	446	961	-			158	
B.M. 10-1C	446	961										158	B.M. 10-1C
+	433	002	-									316	SAN GABRIEL BL. & HERMOSA
													F.B. 3709-10

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

SURVEY BY J. RANDALL WEATHER CLOUDY & CALM INST. NO. 75234

NOTES BY R. ANDERSON DATE 2-FEB. '71 TIME 15:25 ROD NO. 2139 A.B.

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

T = 58°

F.B. 4110 PG. 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.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
B.M. 10-1C	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 10-1C TO B.M. 10-1
					115						285		B.M. 10-1C
1	83	429	384	5	51	64	253	971	554	5	221	64	SAN GABRIEL BL. & HERMOSA
					120						221		F.B. 3709-10 S.W. COR.
2	103	008	464	5	86	34	205	321	506	5	189	32	
					125	98					215	96	T RODRIGUEZ
3	109	119	410	5	93	32	198	371	499	5	181	34	
					122	130					203	130	
4	116	701	417	5	100	32	187	639	488	5	171	32	
	+412	257	✓			162	845	302	✓			162	
B.M. 10-1							412	257				162	B.M. 10-1
							433	045	✓			324	SAN GABRIEL BL. & LAS TUNAS & INT.
													F.B. 1375-126

T = 56°

F.B. 4110 PG. 38 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Randall NOTES Anderson DATE: 16-FEB.'71

INDEXED B. I. GALLI DATE

WEATHER CLOUDY & CALM INST. NO. 7523

TIME 08:40 ROD NO. 9 & 19

NOTES CHKD. DATE

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

T=540 | F.B. 4110 | PG. 39

SURVEY BY Randall | WEATHER Calm - CLEAR | INST. NO. 75234

NOTES BY ANDERSON | DATE 3-Feb-71 | TIME 09:00 | ROD NO. 2139AF

INDEXED [illegible] GALLI | DATE [illegible] 30 71 | 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 RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM B.M. 10-1C TO B.M. 10-1A
B.M. 10-1C									B.M. 10-1C
									San Gabriel Blvd @ Hermosa S.W. Cor
								160	F.B. 3709-10
1	198	392	499 5	208 188 20	150	021	451 5	140 20	⊼ Rodriguez
								20	
								40	
B.M. 10-1A	198	391			150	021			B.M. 10-1A
	150	021							@ San Gabriel Blvd. @ Hermosa ℄
	48	370							F.B. 3709-9

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
B.M. 10-1A	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 10-1A TO B.M. 10-1C
													B.M. 10-1A
													SAN GABRIEL BL. & HERMOSA
													F.B. 3709-9 ℄
					158						206		
1	147	801	448	5	136	22	196	159	497	5	186	20	T RODRIGUEZ
												22	
												42	
B.M. 10-1C	+147	801					-196	159					B.M. 10-1C
							+147	801					SAN GABRIEL BLVD. & HERMOSA
							-48	358					F.B. 3709-10 S.W. COR.

F.B. 4110 PG. 40 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Randall NOTES Anderson DATE: 11-FEB. '71

INDEXED C.L. GA[illegible] DATE

WEATHER CLEAR & CALM INST. NO. 7523

TIME 15:05 ROD NO. 9 & 19

NOTES CHKD DATE

T = 900

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
BM 10-1A									FROM BM 10-1A TO BM 10-2A
1	216	241	517 5	232 200 32	116	~~232~~ 310	417 5	132 100 32	B.M. 10-1A
1			5	237			5	72	San Gabriel Blvd. @ Hermosa
2	237	809	538	202 ½ 70	37	158	338 5	2 70	F.B. 3709-9
			5	296 102			5	93 102	
3	262	068	563	228 68	59	341	360	25 68	
			5	223 170			5	86 170	⊼ RODRIGUEZ
4	223	728	524	189 ½ 68	52	790	353	18 68	
			5	279 238			5	112 238	
5	245	328	546	211 68	77	080	378	42 70	
	242		5	276 306			5	107 308	
6	~~243~~	921	543	208 68	74	470	375	41 66	
				197 374				128 374	
7	183	308	484 5	169 28	114	389	415 5	100 28	
				160 402				150 402	
8	158	791	459 5	156 4	149	989	450 5	148 2	
	+ 1770	194 ✓		↘ 406	681	527 ✓		↘ 404	
B.M. 10-2A	681	527						406	B.M. 10-2A
	+ 1088	667 ✓						↘ 810	SAN GABRIEL BL. & LONGDEN DR.
									F.B. 3709-12 S.W. COR.

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

SURVEY BY Randall

NOTES BY ANDERSON DATE 3 - FEB. '71

INDEXED G. J. GALLI DATE MAR 30 '71

WEATHER CLEAR & CALM

TIME 09:05

NOTES CHKD.

INST. NO. 75234

ROD NO. 2139A-B

DATE

T=540

F.B. 4110 PG. 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.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
B.M. 10-2A									FROM B.M. 10 - 2A TO B.M. 10 - 1A
1	124	330	425 5	134 114 20	189	299	490 5	199 180 20	B.M. 10-2 A
								235	SAN GABRIEL BLVD. & LONGDEN DR.
2	105	959	406 5	128 82 46	212	681	513 5	189 46	F.B. 3709-12 S.W. COR.
				110 66				256 66	
3	80	832	381 5	50 60	226	430	527 5	196 60	
				100 126				290 126	
4	65	661	366 5	30 70	255	232	556 5	220 70	
				94 196				268 196	π = RODRIGUEZ
5	57	389	358 5	20 74	268	822	569 5	232½ 72	
				159 270				207 268	
6	147	499	448 5	135 24	195	799	496 5	183 24	
				82 294				276 292	
7	47	020	348 5	12 70	276	280	577 5	242½ 68	
				155 364				250 360	
8	137	038	438 5	119 36	230	199	531 5	210 40	
+	765	728		400	1854	742		400	
B.M. 10-1A					765	728		400	B.M. 10-1A
					1089	014		800	SAN GABRIEL BL. & HERMOSA
									F.B. 3709-9 & INT.

T = 90°

F.B. 4110 PG. 42 JOB NO. 0301.02

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY Randall NOTES ANDERSON DATE: 11-FEB. '71

INDEXED G. J. GAMM DATE

WEATHER CLEAR & CALM INST. NO. 7523

TIME 14:00 ROD NO. 9E19

NOTES CHKD. DATE

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

F.B. 4110 PG. 43

SURVEY BY Rerun WEATHER INST. NO.

NOTES BY DATE TIME ROD NO.

INDEXED DATE NOTES CHKD DATE

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM TO
									NOTE:
									See over for Rerun
									B.M. 10. 2A to 10-1A

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

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

Do not extend notes this side of this line.

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.

RERUN

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
B.M. 10-2A													FROM B.M. 10-2A TO B.M. 10-1A
1	125	781	426	5	132 118	14	174	890	475	5	181 167	14	B.M. 10-2A
					119						280		SAN GABRIEL BL. & LONGDEN
2	86	840	387	5	53	66	244	638	545	5	208	72	F.B. 3709-12 S.W. COR.
						80					267	86	
3	69	461	370	5	103 35	68	236	550	537	5	205	62	
					82	148					248	148	T = RODRIGUEZ
4	48	380	349	5	14	68	215	380	516	5	182	66	RERUN
	53				87	216					294	214	
5	~~8~~	369	354	5	19	68	259	640	560	5	224	70	
					84	284					286	284	
6	51	030	352	5	18	66	253	840	554	5	220	66	
					120	350					260	350	
7	95	400	396	5	70	50	235	069	536	5	210	50	
					199	400					198	400	
8	189	034	490	5	179	20	188	078	489	5	178	20	
+	719	295	✓			420	~~1088~~	~~085~~				420	
B.M. 10-1A							~~719~~	~~295~~				420	B.M. 10-1A
							~~8~~	~~790~~				840	SAN GABRIEL BL. & HERMOSA
							- 1808	085 ✓					F.B. 3709-9 Q INT.
							+ 719	295					
							- 1088	790 ✓					

T = 64°

F.B. 4110 PG. 44 JOB NO. 0301.02

SURVEY OF L.A.Co. PRECISE LEVEL NET

SURVEY BY RANDALL NOTES ANDERSON DATE: 17-FEB.'71

INDEXED [illegible] DATE

WEATHER CLEAR & CALM INST. NO. 7523

TIME 09:10 ROD NO. 7132

NOTES CHKD DATE

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
B.M. 10-2A	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 10-2A TO B.M. 10-2
1	122	773	423	5	133 111	22	123	810	424	5	134 112	22	B.M. 10-2A
													SAN GABRIEL BL. & LONGDEN DR.
				~~5~~						~~5~~			F.B. 3709-12
+	122	773				-	123	810					
				~~5~~		+	122	773		~~5~~			
						-	1	037					⊼ Anderson
												22	
BM 10-2	~~123~~	~~810~~	~~424~~		~~134 112~~	~~22~~						22	BM 10-2
												44	San Gabriel Blvd @ Longden Dr. ℄
													FB 1375-127

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

SURVEY BY Randall

NOTES BY Miyahira DATE 3 Feb '71

INDEXED G. J. GALLO DATE MAR 30 '71

WEATHER Calm & Clear TIME 0925

NOTES CHKD. DATE

INST. NO. 75234

ROD NO. 2139A-8

F.B. 4110 PG. 45

T5 56

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 10-2 TO BM10-2A
BM 10-2													
+													BM 10-2
													San Gabriel Blvd @ Longden Dr.
													FB 1375-127
1	156	542	457	5	164 148	16	155	473	456	5	163 147	16	⊼ Anderson
												16	
BM 10-2A												16	BM 10-2A
+	156	542					155	473				32	San Gabriel Blvd @ Londen Dr S
−	155	473											FB 3709-12
+	1	069 ✓											

F.B. 4110 PG. 46 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Randall NOTES Miyahira DATE: 11 Feb '71

INDEXED C.J. [illegible] DATE

WEATHER Calm & Clear INST. NO. 7523

TIME ~~7325~~ ROD NO. 9.19

NOTES CHKD DATE

T = 84

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY Randall WEATHER Calm & Clear INST. NO. 75234

NOTES BY Miyahira DATE 3 Feb '71 TIME 0925 ROD NO. 2139A-B

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

F.B. 4110 PG. 47

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 10-2													FROM BM 10-2 TO BM 10-3
1 +	168	985	469	5	178 / 158	20	110	612	411	5	120 / 100	20	BM 10-2
2	234	085	535	5	271 / 197	74	36	983	337	5	(1/2) 73 / 36	74	San Gabriel Blvd @ Longden Dr ℄
						94						94	FB 1375-127
3	262	105	563	5	298 / 226	72	13	743	314	5	(1/2) 50 / 13	74	
						166						168	⊼ Anderson
4	223	164	524	5	241 / 205	36	75	428	376	5	93 / 57	36	
+	888	339	✓		✓	202	236	766	✓		✓	204	
BM 10-3 −	236	766										202	BM 10-3
+	651	573	✓								✓	406	San Gabriel @ Sheffield RD ℄
													FB 3709-13

197

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
BM 10-3	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 10-3 TO BM 10-2
1	96	845	397	5	109 / 83	26	84	234	385	5	97 / 71	26	BM 10-3
													San Gabriel Blvd @ Sheffield Rd ℄
2	12	992	313	5	(½) 37 / 12	50	231	178	532	5	255 / 207	48	FB 3709-13
						76						74	
3	48	267	349	5	75 / 21	54	237	321	538	5	265 / 209	56 / ~~56~~	⊼ Anderson
						130						130	
4	42	748	343	5	76 / 8	68	210	651	511	5	245 / 175	70	
						198						200	
5	114	312	415	5	126 / 102	24	203	149	504	5	215 / 191	24	
	+ 315	164 ✓			✓	222	- 966	533 ✓			✓	224	
BM 10-2							+ 315	164				222	BM 10-2
							- 651	369 ✓			✓	446	San Gabriel Blvd @ Longden Dr ℄
													FB 1375-127

T = 84

F.B. 4110 PG. 48 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Randall NOTES Myshira DATE: 11 Feb '71

INDEXED O. I. GALLI DATE

WEATHER Calm & Clear INST. NO. 7523

TIME 1325 ROD NO. 9-19

NOTES CHKD DATE

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

RERUN

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM10-2													FROM BM10-2 TO BM10-3
1	189	328	490	5	245 / 193	32	99	353	400	5	115 / 83	32	BM 10-2
													Longden DR E, on San
2	226	838	527	5	261 / 191	70	29	517	330	5	(1/2) 66 / 29	74	Gabriel Blvd.
						102						106	FB 1375-127
3	243	812	544	5	274 / 212	62	43	371	344	5	72 / 14	58	⊼ Anderson
						164						164	RERUN
4	243	296	544	5	263 / 223	40	79	629	386	5	99 / 59	40	
+	903	274	✓		→	204	251	870	✓		↘	204	
BM 10-3 -	251	870										204	BM 10-3
+	651	404	✓								↘	408	San Gabriel Blvd @ Sheffield Rd E
													FB 3709-13

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

SURVEY BY Randall

NOTES BY Rodriguez DATE 17 Feb 71 TIME 0 10:00 WEATHER Part-Cloudy INST. NO 7523

INDEXED C.J. GALLO DATE MAR 30 71 NOTES CHKD. DATE ROD NO. 1713A.

T = 66°

F.B. 4110 PG. 49

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY Randall WEATHER Calm & Clear INST. NO. 75234

NOTES BY Miyahira DATE 3 Feb '71 TIME 1090 ROD NO. 2139A.1

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

F.B. 4110 PG 51

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 10-3													FROM BM 10-3 TO BM 10-4
1	200	172	501	5	213 / 187	26	86	052	387	5	99 / 73	26	BM 10-3
													San Gabriel Blvd @ Sheffield Rd ℄
2	300	251	601	5	(1/2) 300 / 266	68 / ~~68~~	10	450	311	5	(1/2) 44 / 10	68	FB 3709-13
						94						94	
3	287	582	588	5	(1/2) 287 / 263	48	19	352	320	5	(1/2) 42 / 19	46	⊼ Anderson
						142						140	
4	278	258	579	5	(1/2) 278 / 252	52	11	440	312	5	(1/2) 36 / 11	50 / ~~48~~	
						194						190	
5	264	959	565	5	286 / 242	44	23	788	324	5	45 / 1	44	
						238						234	
6	282	657 / ~~722~~	583	5	(1/2) 301 / 263	38	28	489	329	5	49 / 7	42	
						276						276	
7	195	473	496	5	203 / 187	16	145	557	446	5	153 / 137	16	
	+1809	352	✓		✓	292	325	128	✓		✓	292	
BM 10-4	-325	128										292	BM 10-4
	+1484	224	✓								✓	584	San Gabriel Blvd @ Rose Ave (RI.)
													FB 1375-129

228

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 10-4													FROM BM 10-4 TO BM 10-3
1	72	631	373	5	94 / 50	44	286	320	587	5	(1/2) 286 / 264	44	BM 10-4
													San Gabriel Blvd @ Roses
2	13	594	314	5	(1/2) 34 / 13	42	263	818	564	5	284 / 242	42	FB 1375-129
						86						86	
3	16	042	317	5	(1/2) 36 / 16	40	245	383	546	5	265 / 225	40	
						126						126	⊼ Anderson
4	12	138	313	5	(1/2) 35 / 12	46	282	163	583	5	(1/2) 282 / 259	46	
						172						~~172~~ 172	
5	17	220	318	5	(1/2) 41 / 17	48	238	270	539	5	262 / 214	48	
						220						220	
6	49	468	350	5	69 / 29	40	232	003	533	5	252 / 212	40	
						260						260	
7	60	732	361	5	79 / 41	38	180	622	481	5	199 / 161	38	
						298						298	
8	104	048	405	5	116 / 92	24	101	598	402	5	113 / 89	24	
	+ 345	873 ✓				322	-1830	177 ✓				322	
BM 10-3							345	873				322	BM 10-3
							-1484	304 ✓				644	San Gabriel Blvd @ Sheffield Rd ℄
													FB 3709-13

F.B. 4110 PG. 52 JOB NO. 0301.02 T=84

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY Randall NOTES Miyshire DATE: 11 Feb '71

INDEXED [illegible] DATE

WEATHER Calm & Clear INST. NO. 75234

TIME 1120 ROD NO. 9-19

NOTES CHKD DATE

T= 60

F.B. 4110 PG 53

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

SURVEY BY Randall WEATHER Calm & Clear INST. NO 75234

NOTES BY Miyahira DATE 3 Feb '71 TIME 1055 ROD NO. 2139 A-E

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

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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 10-4									FROM BM 10-4 TO BM 10-5
									BM 10-4
									San Gabriel Blvd @ Rose Ave (P.I.)
									FB 1375-129
1	153	042	454 5	158 148 10	148	727	449 5	153 143 10	⊼ Anderson
	—	—		10	—	—		10 10	
BM 10-5	153	042			148	727		20	BM 10-5
	148	727							San Gabriel Blvd @ Lorain Rd
+	4	315	✓						FB 1375-129

76P526B CE # 308 8/68

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Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
BM 10-5	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 10-5 TO BM 10-4
													BM 10-5
													San Gabriel Blvd @ Lorain
													FB 1375-129
1	162	790	463	5	167 157	10	167	151	468	5	172 162	10	⊼ Anderson
												10	~~San Gabriel Blvd @~~
BM 10-4 +	162	790				-	167	151				10	BM 10-4
						+	162	790				20	San Gabriel Blvd @ ~~Lorain~~ Roses
						-	4	361					FB 137 5/2-129

F.B. 4110 PG. 54 JOB NO. 0301.02 T=84

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Randall NOTES Miyahira DATE: 11 Feb '71

INDEXED [illegible] DATE

WEATHER Calm & Clear INST. NO. 15234

TIME 1110 ROD NO. 9-19

NOTES CHKD DATE

76P526B CE # 308 8/68

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY Randall WEATHER Haze INST. NO 75234

NOTES BY Rodriguez DATE 3 Jan 71 TIME 010:55 ROD NO 2139AB

INDEXED L.L. GALLI DATE MAR 30 71 NOTES CHKD DATE

T=60°

F.B. 4110 PG. 55

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 10-5													FROM BM 10-5 TO 10-~~5A~~ 5A
1	196	980	497	5	221 171	50	56	499	357	5	80 32	48	BM 10-5
													San Gabriel Blvd @ Lorain RD
2	239	661	540	5	273 205	68	12	667	313	5	1/2) 47 12	70	F.B. 1375-129
						118						118	
3	235	213	536	5	252 218	34	9	225	310	5	1/2) 28 9	38	⊼ Miyahira
						152						156	
4	261	983	562	5	282 240	42	43	209	344	5	63 23	40	
					~~22~~	194						196	
5	233	573	534	5	249 217	32	54	180	355	5	70 38	32	
						226						228	
6	227	279	528	5	245 209	36	27	687	328	5	46 8	38	
						262						266	
7	222	123	523	5	236 208	28	92	480	393	5	107 77	30	
						290						296	
8	180	333	481	5	191 169	22	97	177	398	5	106 88	18	
+	1797	145	✓		✓	312	393	124	✓		✓	314	
BM10-5A -	393	124										312	BM 10-5A
+	1404	021									✓	626	San Gabriel Blvd @ Huntington DR
													N.E. COR.
													F.B 3709-19

7-30

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 10-5A													FROM BM 10-5A TO BM 10-5
1	13	153	314	5	1/2) 46 13	66	298	039	599	5	1/2) 298 265	66	B.M. 10-5A
													SAN GABRIEL Blvd & HUNTINGTON DR
2	27	157	328	5	46 8	38	266	595	567	5	286 246	40	N-E COR
						104						106	F.B 3709-19
3	17	880	318	5	1/2) 43 17	52	272 ~~271~~	101	573 ~~572~~	5	297 247	50	
						156						156	
4	39	977	340	5	58 20	38	294	880	595	5	1/2) 294 274	40	⊼ Miyahira
						194						196	
5	33	617	334	5	50 16	34	214	573	515	5	230 198	32	
						228						228	
6	79	793	380	5	97 61	36	192	929	493	5	211 173	38	
						264						266	
7	115	937	416	5	127 103	24	155	595	456	5	168 142	24	
						288						290	
8	139	723	440	5	142 136	06	176	920	477	5	178 174	04	
	+ 467	237				294	1871	632				294	
							+ 467	237				294	
BM 10-5							1404	395				588	BM 10-5
													SAN GABRIEL Blvd @
													LORAIN Rd
													F.B 1375-129

F.B. 4110 PG. 56 JOB NO. 0301.02

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY Randall NOTES Rodriguez DATE: 10 Feb-71

INDEXED G. J. GALLI DATE

WEATHER Clear INST. NO. 75234

TIME 14:20 ROD NO.

NOTES CHKD DATE

T=88°

76P526B CE # 308 8/68

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM _____ TO _____
									NOTE:
									See next pg. for Rerun
									B.M. 10-5A to 10-5

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

SURVEY BY Reinhardt WEATHER

NOTES BY DATE TIME INST. NO.

INDEXED DATE NOTES CHKD ROD NO.

DATE

F.B. 4110 PG. 57

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

F.B. 4110 PG. 58 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Randall NOTES Rodriguez DATE: 17 Feb 71

INDEXED G.J. GALT DATE

WEATHER Overcast INST. NO. 7523

TIME 13:45 ROD NO. 713 A B

NOTES CHKD DATE

T=56°

STATION	BACKSIGHT Right	Mic.	Left.		Stadia		FORESIGHT Right	Mic.	Left.		Stadia		DESCRIPTION AND REMARKS
B.M. 10-5A													From B.M. 10-5A To B.M. 10-5
1	86	687	387	5	101 71	30	229	573	530	5	246 212	34	BM 10-5A
													San Gabriel Blvd @
2	89	820	330	5	48 10	38	243	860	544	5	261 225	36	Huntington Dr N.E. Cor
						68						70	F.B. 3709-19
3	10	100	311	5	1/2) 38 10	56	272	835	573	5	296 148	48	
						124						118	T Miyahira
4	13	000	314	5	1/2) 34 13	42	280	341	581	5	1/2) 250 257	46	
						166						164	
5	38	579	339	5	60 16	44	246	169	547	5	265 227	38	
						210						202	
6	54	279	355	5	74 34	40	237	003	538	5	261 213	48	
						250						260	
7	92	217	393	5	111 73	38	182	287	483	5	201 163	38	
						288						288	
8	136	453	435	5	139 129	10	171	119	472	5	176 166	10	
	+ 459	135	✓			298	1863	187	✓			298	BM 10-5
BM 10-5							459	135				298	San Gabriel Blvd @ Lorain
							1404	052	✓			596	(Sierra Madre B-10)
													F.B. 1375-129

76P526B CE # 308 8/68

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

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

SURVEY BY Randall

NOTES BY Rodriguez DATE 3 Feb 71 WEATHER Haze TIME 13:20 INST. NO 75234

INDEXED R. J. GALLI DATE NOV 30 71 NOTES CHKD DATE ROD NO 2139

F.B. 4110 PG. 59

T=68°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 10-5A													FROM BM 10-5A TO BM 10-6
1	205	231 ~~75~~	506	5	225 185	40	104	055	405	5	122 86	36	BM 10-5A - San Gabriel Blvd @
													HUNTINGTON DR. N.E. COR.
2	230	011	531	5	251 209	42	20	243	321	5	44 ½) 20	48	F.B 5709-19
						82						84	
3	230	653	531	5	241 219	22	18	243	319	5	30 6	24	⊼ Miyahira
						104						108	
4	269	020	570	5	280 258	22	82	023	383	5	91 73	18	
						126						126	
5	242	875	543	5	254 230	24	59	453	360	5	72 46	26	
						150						152	
6	248	165	549	5	263 233	30	58	625	359	5	74 42	32	
						180						184	
7	207	731	508	5	207 ½) 184	46	102	840	403	5	123 81	42	
						226						226	
8	211	553	512	5	248 174	74	44	415	345	5	83 5	78	
						300						304	
9	262	690	563	5	296 228	68	22	583	323	5	54 ½ 22	64	
						368						368	
10	158	687	459	5	162 154	08	181	180	482	5	186 176	10	
	+ 2266	616 ✓				376	693	660 ✓				378	
BM 10-6	- 693	660										376	BM 10-6
	+ 1572	956 ✓										754	San Gabriel Blvd @ Lombardy Rd
													S.W. COR (APPROX)
													F.B 1375-130

260

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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INST. NO. 75239 ROD NO. DATE

WEATHER Clear TIME 13:00 NOTES CHKD

T=82

F.B. 4110 PG. 60 JOB NO. 030102

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY Randall NOTES Rodriguez DATE: 18 Feb-71

INDEXED G. J. GALLI DATE

STATION	BACKSIGHT Right	Mic.	Left.		Stadia		FORESIGHT Right	Mic.	Left.		Stadia		DESCRIPTION AND REMARKS
BM10-6													From BM10-6 To BM10-5A
1	87	293	388	5	113 61	52	238	297	539	5	266 210	56	BM10-6
													San Gabriel @ Lombardy
2	42	350	343	5	72 12	60	207	195	508	5	237 177	60	Rd. S.W. COR
						112						116	F.B. 1375-130
3	89	987	390	5	121 57	64	207	917	508	5	238 176	62	
						176						178	T. Miyahira
4	55	550	356	5	77 33	44	278	360	579	5	201 255	46	
						220						224	
5	26	793	327 5	5	42 10	32	276	961	577	5	292 260	32	
						252						256	
6	14	723	315	5	25 3	22	222	135	523	5	231 213	18	
						274						274	
7	40	683	341	5	53 27	26	224	443	525	5	237 211	26	
						300						300	
8	41	637	342	5	63 19	44	231	397	532	5	253 209	44	
						344						344	
9	126	010	427	5	140 112	28	192	031	493	5	207 177	30	
						372						374	
10	141	111	442	5	144 138	06	160	700	461	5	162 158	04	
	+ 666	137	✓		✓	378	2239	436	✓		✓	378	
BM10-5A						+	666	137				378	BM10-5A
						-	1573	299	✓		✓	756	San Gabriel Blvd @ Huntington
													Dr. N.E. COR
													F.B. 3109-19

76P526B CE # 308 8/68

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

SURVEY BY Randall DATE TIME WEATHER INST. NO.

NOTES BY ROD NO.

INDEXED DATE NOTES CHKD DATE

F.B. 4110 PG. 61

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM _____ TO _____
									NOTE:
									See Next Page for Rerun
									B.M. 10-6 to 10-5A

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
B.M. 10-6	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 10-6 TO B.M. 10-5A
1	120	757	421	5	137 101	38	211	090	512	5	229 193	36	BM 10-6
													San Gabriel Blvd @
2.	26	651	327	5	1/2) 59 26	66	255	785	556	5	290 220	70	Lombardy Rd S.W. COR
						104						106	F.B 1375-130
3.	110	563	411	5	139 81	58	196	060	497	5	226 166	60	
						162					297 168	166	T Miyahira
4	56	247	357	5	86 26	60	297	127	598	5	1/2) 297 [illegible]	58	
						222						224	
5	46	113	347	5	60 32	28	247	620	548	5	261 233	28	
						250						252	
6	34	845	335	5	46 22	24	293	180	594	5	1/2) 293 280	26	
						274						278	
7	18	249	319	5	33 3	30	216	593	517	5	229 203	26	
						304						304	
8	16	233	317	5	1/2) 45 16	58	218	803	519	5	247 189	58	
						362						362	
9	112	195	413	5	122 102	20	178	345	479	5	188 168	20	
+	541	853	✓			382	2114	603	✓			382	
							541	853				382	
B.M. 10-5A							1572	750	✓			764	
													BM 10-5A
													San Gabriel @ Huntington Dr
													N.E. COR.
													FB 3709-19

F.B. 4110 PG. 62 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Randall NOTES Rodriguez DATE: 17 Feb 71

INDEXED G. J. GALLI DATE

WEATHER Part Cloud INST. NO. 75234

TIME 0 11:20 ROD NO. 17131

NOTES CHKD. DATE

T = 60°

T=70° | F.B. 4110 PG 63

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

SURVEY BY Randall WEATHER Haze INST. NO. 75234

NOTES BY Rodriguez DATE 3 Feb 71 TIME 14:20 ROD NO. 2839 HB

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

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403 Los Angeles County Engineering Bldg.

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

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 10-6 TO BM 10-6A
BM 10-6									BM 10-6
									San Gabriel Blvd @ Lombardy Rd
									S.W. Cor.
								4	
				186				173	
1	181	127	482 5	176 10	168	780	469 5	162 12	F.B. 1375-130
								10	⊼ Miyahira
	181	127			168	780		22	
	168	780							
	+12	347 ✓							
BM 10-6A									BM 10-6A
									San Gabriel Blvd @ Lombardy Rd
									S.E. Cor.
									F.B. 3709-22

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		
BM 10-6 A													FROM BM 10-6 A TO BM 10-6
													BM 10-6 A
													San Gabriel Blvd @ Lombardy R
1,	183	927	484	5	196 170	26	196	275 ~~207~~	497	5	209 183	26	S.E. COR
												26	F.B. 3709-22
+	183	927				-	196	275				52	
						+	183	927					
						-	12	348 ✓					π Miyahira
BM 10-6													BM 10-6
													San Gabriel Blvd @ Lombardy R
													S.W. COR.
													F.B. 1375-130

F.B. 4110 PG. 64 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Randall NOTES Rodriguez DATE: 10 Feb-71

INDEXED G. J. GALE DATE

WEATHER Clear INST. NO. 75231

TIME 0 11:45 ROD NO.

NOTES CHKD DATE

T=86°

76P526B CE # 308 8/68

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM10-6A													FROM BM10-6A TO BM10-7A
1	216	683	517	5	244 188	56	57	765	358	5	84 30	54	BM 10-6A
													SAN GABRIEL BLVD @ LOMBARDY RD
2	237	923	538	5	226 208	58	119	051	420	5	150 88	62	S.E. COR.
						114						116	E.B 3709-22
3	206	337	507	5	244 168	76	115	260	416	5	149 81	68	
						190						184	⊼ Miyahira
4	186	490	487	5	223 149	74	74	709	375	5	114 34	80	
						264						264	
5	235	515	536	5	258 212	46	48	690	349	5	70 26	44	
						310						308	
6	280	253	581	5	1/2) 280 245	70	7	303	308	5	1/2) 40 7	66	
						380						374	
7	197	233	498	5	205 289	16	103	753	404	5	112 94	18	✓
						396						392	
8	233	603	534	5	256 210	46	59	923	360	5	81 37	4 54	
						442						436	
9	199	669	5 500	5	226 172	54	101	800	402	5	130 72	58	
						496						494	
10	147	543	448	5	149 145	04	145	857	446	5	147 143	04	
	+ 2141	249	✓		↘	500	834	111 ✓			↘	498	
	- 834	111										500	
BM10-7A	+ 1307	138	✓								↘	998	BM 10-7A
													SAN GABRIEL BLVD @ DEL-MAR BLVD
													N.E. COR
													E.B 3709-23

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

SURVEY BY Randall WEATHER Hazy INST. NO 75234

NOTES BY RODRIGUEZ DATE 3 Feb 71 TIME 14:30 ROD NO 2139 MB

INDEXED C. J. GALLI DATE 30 [illegible] NOTES CHKD DATE

T=70 F.B. 4110 PG. 65

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LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
B.M. 10-7A	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 10-7A TO B.M. 10-6A
1	128	933	429	5	156 / 100	56	184	930	485	5	212 / 156	56	BM 10-7A
✓ 2	35	769	336	5	62 / 8	54	252	960	553	5	277 / 227	50	San Gabriel Blvd @ Del Mar Blvd N.E. Cor
3	37	041	338	5	62 / 12	110 / 50	244	515	545	5	271 / 217	106 / 54	F.B. 3709-23
4	60	413	361	5	83 / 37	160 / 46	249	110	550	5	274 / 224	160 / 50	π Miyahira
5	11	243	312	5	1/2) 46 / 11	206 / 70	221	457 / ~~35~~	522	5	255 / 187	210 / 68	
6	115	240	416	5	148 / 82	276 / 66	174	943 / ~~543~~	475	5	208 / 140	276 / 68	
7	109	447	410	5	134 / 84	342 / 50	170	750	471	5	197 / 143	344 / 54	
8	76	369	377	5	108 / 44	392 / 64	220	425	521	5	220 / 191	398 / 58	
9	79	151	380	5	100 / 58	456 / 42	204	603	505	5	225 / 183	456 / 42	
10	126	013	427	5	130 / 122	498 / 08	162	170	463	5	166 / 158	498 / 08	
	+ 779	619 ✓				✓ 506	2085	863 ✓			508	~~506~~ RCB	
BM 10-6A							+ 779	619				506	BM 10-6A
							- 1306	244 ✓			1014	~~1012~~	San Gabriel Blvd @ Lombardy Rd. S.E. Cor
													F.B. 3709-22

T = 80°

WEATHER Clear INST. NO. 7523

TIME 010:10 ROD NO.

NOTES CHKD. DATE

JOB NO. 0301.02

SURVEY OF L.A.Co. Precise Level Nat

SURVEY BY Randall NOTES Rodriguez DATE: 10 Feb 71

INDEXED ~~G.J. GALT~~ DATE

F.B. 4110 PG. 66

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

RERUN

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 10-6A													FROM BM 10-6A TO BM 10-7A
1	220	285	521	5	241 199	42	76	277	377	5	98 54	44	BM 10-6A
													SAN GABRIEL BLVD @ LOMBARDY RD
2	231	649	532	5	263 199	64	75	247	376	5	107 43	64	SO. EAST COR.
						106						108	F.B. 1375-130
3	174	237	475	5	205 143	62	99	745	400	5	130 68	62	
						168						170	⊼ MIYAHIRA RERUN
4	173	127	474	5	207 139	68	107	411	408	5	142 72	70	
						236						240	
5	206	750	507	5	234 178	56	32	173	333	5	60 4	56	Note: See pgs. 99 & 100 for
						292						296	an additional RERUN of
6	266	059	567	5	296 236	60	30	095	331	5	58 2	56	this Section.
						352						352	
7	216	593	517	5	237 195	42	43	353	344	5	64 22	42	
						394						394	
8	243	403	544	5	265 221	44	44	995	345	5	67 21	46	
						438						440	
9	190	270	491	5	213 167	46	104	141	405	5	126 82	44	
						484						484	
10	163	855	464	5	176 150	26	167	075	468	5	178 155	24	
+	2086	228	✓		↘	510	780	512	✓		↘	508	
B.M. 10-7A −	780	512									↘	510 1018	BM 10-7A
+	1305	716	✓										SAN GABRIEL BLVD @ DEL MAR
													N.E. COR
													F.B. 3709-23

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

SURVEY BY Randall WEATHER Clear INST. NO 75234

NOTES BY RODRIGUEZ DATE 18 Feb 71 TIME 13:15 ROD NO 1713 AB

INDEXED S. A. GALLI DATE MAR 30 '71 NOTES CHKD. DATE

T=72

F.B. 4110 PG. 67

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Do not extend notes this side of this line.

*RERUN

F.B. 4110 PG. 68 | JOB NO. 030.02

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY Rawall NOTES 12 Dec 62 18 Feb 71

INDEXED G. J. GALLI DATE

WEATHER Clear INST. NO. 75234

TIME 14:30 ROD NO. 213HL

NOTES CHKD DATE

T=72°

STATION	BACKSIGHT RIGHT	MIC.	LEFT.		STADIA		FORESIGHT RIGHT	MIC.	LEFT.		STADIA		DESCRIPTION AND REMARKS
BM 10-7A													FROM BM 10-7A TO BM 10-6A
1	162	763	463	5	174 150	24	160	230	461	5	173 147	26	BM 10-7A
													SAN Gabriel Blvd @ DEL MAR
2	106	623	407	5	128 84	44	191	110	492	5	214 168	46	N.E COR
						68						72	F.B 3709·23
3	33	800	334	5	59 7	52	261	493	562	5	285 237	48	
						120						120	T Miyahira RERUN
4	25	755	326	5	1/2) 53 25	56	250	930	551	5	279 221	58	
						176						178	
5	15	880	316	5	1/2) 44 15	58	271	233	572	5	302 240	62	
						234						240	
6	28	857	329	5	1/2) 63 28	70	164	971	465	5	197 131	66	
						304						306	
7	103	683	404	5	142 64	78	166	695	467	5	205 127	78	
						382						384	
8	74	735	375	5	109 39	70	230	770	531	5	265 195	70	
						452						454	
9	109	693	410	5	125 93	32	193	189	494	5	210 176	34	
						484						488	
10	107	435	408	5	122 92	30	184	677	485	5	196 172	24	
	+ 769	224	✓			~ 574	2075	298	✓			~ 512	
BM 10-6A							769	224				514	BM 10-6A
							- 1306	074	✓			~ 1026	SAN Gabriel Blvd @ Lombardy Rd
													S.E. COR
													F.B 1375·130

76P526B CE # 308 8/68

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 10-7A													FROM BM10-7A TO BM 10-7B
1	222	140	523	5	258 186	72	10	060	311	5	46 10 ½	72	BM 10-7A
					301						68		SAN GABRIEL BLVD @ DEL-MAR BLVD
2	301	280	602	5	268 ½	66	34	228	335	5	0	68	N.E. COR
					294	138					54	140	F.B 3709-23
3	266	559	567	5	238	56	27	228	328	5	0	54	
					174	194					160	194	⊼ RODRIGUEZ
4	170	802	471	5	166	8	156	220	457	5	152	8	
	+960	781	✓			202	227	736	✓			202	
B.M. 10-7B	227	736										202	B.M. 10-7B
	+733	045	✓									404	SAN GABRIEL BL & COLORADO BLVD.
													F.B. 3709-37 S.W. COR.

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

SURVEY BY RANDALL WEATHER Clear INST. NO 75234

NOTES BY ANDERSON DATE 4 Feb '71 TIME 0 9:10 ROD NO. 2139A

INDEXED J. GALLI DATE 30 71 NOTES CHKD DATE

F.B. 4110 PG. 69

T=58

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
B.M.-10-7B													FROM B.M. 10-7B TO B.M. 10-7A
					88						292		
1	61	312	362	5	34	54	264	839	565	5	236	56	B.M. 10-7B
					48						276		SAN GABRIEL BL. & COLORADO BLVD.
2	12	261	313	5	12(1/2	72	276	141	577	5	240 1/2	72	F.B. 3709-37 S.W. COR.
					56	126					250	128	⊼ RODRIGUEZ
3	40	470	341	5	24	32	234	552	535	5	218	32	
					166	158					237	160	
4	145	690	446	5	124	42	217	100	518	5	197	40	
+	259	733	✓		✓	200	992	632	✓			200	
B.M. 10-7A							259	733				200	B.M. 10-7A
							732	899	✓		✓	400	SAN GABRIEL BL. & DEL MAR BL
													F.B. 3709-23 N.E. COR.

T = 800

WEATHER CLEAR & CALM INST. NO. 25233

TIME 9:30 ROD NO.

NOTES CHKD. DATE

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Randall NOTES ANDERSON DATE: 10-FEB. 171

INDEXED G. J. GALLI DATE

F.B. 4110 PG. 70

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
B.M. 10-7B													FROM B.M. 10-7B TO B.M. 10-8
1	295	478	596	5	295 / 254 ½	82	16	648	317	5	54 / 16 ½	76	B.M. 10-7B
					251						86		SAN GABRIEL BL. & COLORADO BL.
2	231	412	532	5	211	40	62	801	363	5	38	48	F.B. 3709-37 S.W. COR.
					162	122					257	124	
3	125	632	426	5	88	74	220	268	521	5	183	74	
					278	196					59	198	⊼ RODRIGUEZ
4	278	170	579	5	242 ½	72	24	359	325	5	24 ½	70	
					192	268					194	268	
5	186	070	487	5	180	12	188	951	489	5	182	12	
+	1116	762	✓			280	513	027	✓			280	
-	513	027										280	
B.M. 10-8 +	603	735										560	B.M. 10-8
													FOOTHILL BL. & DAISY AVE.
													F.B. 1375-132 (STREET)

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

SURVEY BY J. RANDALL WEATHER CLEAR & CALM INST. NO. 75235 T=62°

NOTES BY R. ANDERSON DATE 4-FEB-'71 TIME 10:15 ROD NO. 2139A

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

F.B. 4110 PG. 71

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 10 - 8 TO B.M. 10-7B
B.M. 10 - 8	165	260	466		186 / 144	42	247	930	548	5	269 / 225	44	B.M. 10 - 8
					46						132		FOOTHILL BLVD. & DAISY AVE.
2	7	189	308	5	7	1½ 78	95	660	396	5	58	74	F.B. 1375 - 132 (STREET - S.E
					214	120					295	118	
3	174	770	475	5	134	80	295	121	596	5	255½	80	
~~4~~					104	200					228	198	T RODRIGUEZ
4	87	302	388	5	70	34	212	990	513	5	196	32	
					100	234					289	230	
5	77	449	378	5	54	46	264	732	565	5	239	50	
					160	280					160	280	
6	158	348	459	5	156	4	158	130	459	5	156	4	
+	670	318				284	1274	563				284	
B.M. 10-7B							670	318				284	B.M. 10 - 7B
							604	245				568	SAN GABRIEL BL. & COLORAD BLVD. S.W. COR.
													F.B. 3709 - 37

T = 84°

WEATHER CLEAR & CALM INST. NO. 7523

TIME 10:15 ROD NO. 9 & 19

NOTES CHKD DATE

F.B. 4110 PG. 72 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Randall NOTES ANDERSON DATE: 11-FEB-71

INDEXED C. J. GALLI DATE

F.B. 4110 PG. 73

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

SURVEY BY Randall WEATHER INST. NO.

NOTES BY DATE TIME ROD NO.

INDEXED DATE NOTES CHKD DATE

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM TO
									NOTE:
									SEE OVER FOR RERUN
									B.M. 10-8 to 10-7B

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

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76P526B CE # 308 8/68

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

RERUN

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
B.M. 10-8													FROM B.M. 10-8 TO B.M. 10-7B
1	163	740	464	5	178 148	30	218	500	519	5	233 203	30	B.M. 10-8
					60						288		Foothill @ Daisy
2	25	198	326	5	25 ½	70	252	202	553	5	216	72	F.B. 1375-132
					268	100					141	102	T = RODRIGUEZ
3	233	941	534	5	198	70	106	010	407	5	71	70	RERUN
					92	170					276	172	
4	69	878	370	5	46	46	253	470	554	5	230	46	
					111	216					241	218	
5	92	760	393	5	73	38	222	860	523	5	203	38	
					127	254		320			208	256	
6	116	911	417	5	105	22	198	~~290~~	499	5	188	20	
					143	276					198	276	
7	137	980	438	5	131	12	192	751	493	5	186	12	
+	840	408	✓		✓	288	1444	113	✓		✓	288	
B.M. 10-7B						+	840	408				288	B.M. 10-7B
						-	603	705	✓		✓	576	SAN GABRIEL BL. & COLORADO
													F.B. 3709-37

F.B. 4110 PG. 74 JOB NO. 0301.02

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY Randall NOTES ANDERSON DATE: 16-FEB.'71

INDEXED J. GALLI DATE

WEATHER Cloudy & Calm INST. NO. 7523

TIME 11:15 ROD NO. 9&19

NOTES CHKD DATE

T = 68°

JOB NO. 0301.02 SURVEY OF L. A. CO. PRECISE LEVEL NET T = 66° F.B. 4110 PG. 75

SURVEY BY J. RANDALL WEATHER CLEAR & CALM INST. NO 75234

NOTES BY R. ANDERSON DATE 4-FEB.'71 TIME 10:45 ROD NO 2139 A

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

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LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
B.M. 10-8									FROM B.M. 10-8 TO B.M. 10-8B
									B.M. 10-8
									FOOTHILL BLVD & DAISY AVE.
				219				104	F.B. 1375-132
1	204	930	505 5	189 30	89	971	390 5	74 30	⊼ = RODRIGUEZ
B.M. 10-8B									B.M. 10-8B
	+ 204	930			- 89	971		30	FOOTHILL BLVD & DAISY AVE.
	- 89	971						60	F.B. 3709-26 N.W. COR.
	+ 114	959	✓						

76P526B CE # 308 8/68

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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F.B. 4110 PG. 76 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Randall NOTES Andersen DATE: 11-Feb. '71

INDEXED O. J. GALLI DATE

WEATHER CLEAR & CALM INST. NO. 7523

TIME 10:05 ROD NO. 95 & 19

NOTES CHKD DATE

T = 8.00

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
B.M. 10-8B									FROM B.M. 10-8B TO B.M. 10-8
									B.M. 10-8B
									FOOTHILL BLVD. & DAISY AVE.
				98				213	F.B. 3709-26 N.W. COR
1	86	540	387 5	74 24	201	511	502 5	189 24	T. RODRIGUEZ
								24	
B.M. 10-8								48	B.M. 10-8
	86	540			201	511			FOOTHILL BLVD. & DAISY AVE.
					+ 86	540			F.B. 1375-132
					- 114	971			

76P526B CE # 308 8/68

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LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
B.M. 10-8B													FROM B.10-8B TO B.M. 10-8A
1	87	511	388	5	100 / 74	26	228	010	529	5	240 / 216	24	B.M. 10-8B
					52						296		FOOTHILL BLVD. & DAISY AVE N.W. COR
2	32	268	333	5	12	40	266	392	567	5	246	40	F.B. 3709-26
					121	66					227	64	Λ = RODRIGUEZ
3	101	551	402	5	81	40	206	448	507	5	185	42	
					146	106	187				214	106	
4	111	972	412	5	82	58	~~185~~	229	488	5	160	54	
					168	164					150	160	
5	153	851	454	5	138	30	132	938	433	5	114	36	
					165	194					169	196	
6	154	120	455	5	143	22	159	780	460	5	149	20	
	+ 641	273	✓		✓ 216		1180	797	✓		✓ 216		
B.M. 10-8A							+ 641	273			216		B.M. 10 - 8 A (S.E. COR
							- 539	524	✓		✓ 432		FOOTHILL BL @ EATON DR (BRIDGE
													F.B. 3709-27

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

SURVEY BY J. RANDALL

NOTES BY R. ANDERSON DATE 4-FEB. '71

INDEXED C. J. GALLI DATE MAR 30 71

WEATHER CLEAR & CALM INST. NO 75234

TIME 10:55 ROD NO 2139 A

NOTES CHKD DATE

T = 666

F.B. 4110 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.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
B.M. 10-8A									FROM B.M. 10-8A TO B.M. 10-8B
1	162	818	463 5	185 139 46	172	608	473 5	194 150 44	B.M. 10-8A
				216				130	FOOTHILL BLVD. & EATON DR.
2	179	810	480 5	142 74	94	412	395 5	58 72	F.B. 3709-27 S.E. COR. BRIDGE
				248 120				50 116	⊼ RODRIGUEZ
3	221	210	522 5	194 54	22	460	323 5	22 ~~28~~ 56	
				268 174				80 172	
4	253	789	554 5	238 30	65	698	366 5	50 30	
				210 204				132 202	
5	203	070	504 5	196 14	125	941	426 5	118 14	
	+1020	697		218	481	119		216	
B.M. 10-8B	481	119						218	B.M. 10-8B
	+539	578						434	FOOTHILL BLVD. & DAISY AVE.
									F.B. 3709-26 N.W. COR.

T = 80°

WEATHER CLEAR & CALM INST. NO. 7523

TIME 09:35 ROD NO. 9E19

NOTES CHKD. DATE

F.B. 4110 PG. 78 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Randall NOTES ANDERSON DATE: 11-FEB. '71

INDEXED C. J. GALLI DATE

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
BM 10-8A	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 10-8A TO BM 10-9A
1	107	810	408	5	138 76	62	146	949	447	5	177 115	62	BM 10-8A
													Foothill Blvd @ Eaton Dr. (Bridge)
2	100	271	401	5	136 64	72	157	512	458	5	192 122	70	FB 3709-27
						134						132	
3	122	772	423	5	158 86	72	162	560	463	5	197 127	70	
						206						202	
4	61	597	362	5	94 28	66	232	702	533	5	266 198	68	⊼ Anderson
						272					~~68~~	270	
5	163	028	464	5	177 149	28	170	253	471	5	185 155	30	
						300						300	
+ 6	166	272	467		168 164	4	162	840	463		164 160	4	
+	721	750	✓		→	304	1032	816	✓		↘	304	
BM 10-9A							721	750				304	BM 10-9A
							311	066	✓		↘	608	Foothill Blvd @ Sierra Madre Villa Ave
													FB 2881-7

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T = 72

SURVEY BY Randall WEATHER Calm & Clear INST. NO. 75234

NOTES BY Miyahira DATE 4 Feb '71 TIME 11:30 ROD NO. 2139A-1

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

F.B. 4110 PG. 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.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
BM 10-9A	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 10-9A TO BM 10-8A
1	201	060	502	5	229 / 173	56	65	172	366	5	93 / 37	56	BM 10-9A
													Foothill Blvd @ Sierra Madre Villa Ave
2	205	160	506	5	240 / 170	70	122	607	423	5	158 / 86	72	FB 2881-7
						126						128	
3	150	900	451	5	185 / 115	70	113	145	414	5	149 / 77	72	
						196						200	⊼ Anderson
4	158	439	459	5	187 / 129	58	135	812	436	5	162 / 108	54	
						254						254	
5	157	363	458	5	173 / 141	32	125	178	426	5	141 / 109	32	
+	872	922	✓		↘	286	-561	914	✓		↘	286	
BM 10-8A -	561	914										286	BM 10-8A
+	311	008	✓								↘	572	Foothill Blvd @ Eaton Dr. (Bridge)
													FB 3709-27

T = 76

WEATHER Calm & Clear INST. NO. 7523 9-19

TIME 0900 ROD NO. 2134A

NOTES CHKD DATE

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Randall NOTES Mijahica DATE: 11 Feb '71

INDEXED J. GALLI DATE

F.B. 4110 PG. 80

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

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

SURVEY BY Randell Miyahira DATE 4 Feb '71 WEATHER Calm & Clear INST. NO. 15234

NOTES BY TIME 1320 ROD NO. 213A-B

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

T = 65

F.B. 4110 PG. 81

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 10-9A													FROM BM10-9A TO BM10-9C
B 1	44	882	345	5	71 / 44	27	206	262	507	5	231 / 181	50	BM 10-9A
						54							Foothill Blvd @ Sierra Madre Villa Ave
2	51	457	352	5	83 / 19	64	211	928	513	5	244 / 178	66	FB 2881-7
						118						116	
3	64	902	365	5	180 / 28	72	~~198~~	~~073~~	~~499~~	~~5~~	~~226 / 170~~	~~56~~	
						190	211	792	512	5	246 / 176	70	
												186	
4	49	226	350	5	85 / 13	72	248	495	549	5	281 / 215	66	T Anderson
						262						252	
5	73	708	374	5	105 / 41	64	177	183	478	5	212 / 142	70	
						326						322	
6	172	632	473	5	205 / 189	66	84	117	385	5	119 / 49	70	
						392						392	
7	173	017	474	5	189 / 157	32	105	009	406	5	127 / 89	32	
						424						424	
8	134	578	435	5	136 / 132	4	149	270	450	5	151 / 147	4	~~B~~
+	764	402	✓		✓	428	1394	056	✓		✓	428	
BM 10-9C							- 764	402				428	BM 10-9C
							= 629	654	✓		✓	856	Foothill Blvd @ Rosemead Blvd
													FB 3709-32

278

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

F.B. 4110 PG. 82 JOB NO. 0301.02 T=64

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Randall NOTES Miyahira DATE: 8 Feb '71

INDEXED B.J. GALLI DATE

WEATHER Calm & Hazy INST. NO. 75231

TIME 1455 ROD NO. 2139

NOTES CHKD DATE

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 10-9C													FROM BM 10-9C TO BM 10-9A
1	114	068	415	5	134 / 94	40	174	320	475	5	193 / 155	38	BM 10-9C
													Foothill Blvd @ Rosemead Blvd NE Cor.
2	87	550	388	5	123 / 51	72	170	650	471	5	204 / 136	68	FB 3709-32
						112						106	
3	183	160	484	5	213 / 153	60	72	686	373	5	105 / 39	66	
						172						172	π · Anderson
4	239	185	540	5	270 / 208	62	55	431	356	5	86 / 24	62	
						234						234	
5	198	517	499	5	227 / 169	58	79	106	380	5	107 / 51	56	
						292						290	
6	218	596	519	5	256 / 180	76	42	916	343	5	81 / 3	78	
						368						368	
7	233	800	534	5	265 / 201	64	41	182	342	5	(1)68 / 41	54	
						432						422	
8	143	952	444	5	144 / 142	2	153	070	454	5	156 / 150	6	
	+ 1418	828 ✓			✓	434	789	361 ✓			✓	428	
BM 10-9A	- 789	361										434	BM 10-9A
	+ 629	467 ✓									✓	862	Foothill Blvd @ Sierra Madre Villa Ave NE
													FB 2881-7

76P526B CE # 308 8/68

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

SURVEY BY Randall NOTES BY Miyashira DATE 4 Feb '71 TIME 1400 WEATHER Calm & Clear INST. NO. 75234 ROD NO. 2139A-B

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

F.B. 4110 PG. 83

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 10-9C													FROM BM 10-9C TO BM 10-10A
~~BM 10-9C~~ 1	197	600	498	5	230 / 164	66	211	622	512	5	245 / 177	68	BM 10-9C
													Foothill Blvd @ Rosemead Blvd.
2	41	223	342	5	76 / 6	70	238	259	539	5	273 / 203	70	FB 3709-32
						136						138	
3	62	261	363	5	92 / 32	60	222	692	523	5	252 / 192	60	
						196						198	
4	76	700	377	5	97 / 55	42	173	428	474	5	193 / 153	40	↗ Anderson
						238						238	
5	155	064	256	5	159 / 151	8	125	310	426	5	129 / 121	8	
+	532	848	✓		✓	246	971	310	✓		✓	246	
BM 10-10A							532	848				246	BM 10-10A
							438	462	✓		✓	492	Foothill Blvd @ Michillinda Ave
													FB 3709-33

T=67°

210

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
BM 10-10A	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 10-10A TO BM 10-9C
1	120	887	421	5	125 / 115	10	149	540	450	5	154 / 144	10	BM 10-10A
													Michillinda Ave N.W. Cor.
2	206	461	507	5	236 / 176	60	45	908	346	5	75 / 15	60	FB 3709-33
						70						70	
3	220	893	521	5	250 / 190	60	45	537	346	5	79 / 11	68	
						130						138	⊼ Anderson
4	235	019	536	5	269 / 201	68	50	680	351	5	83 / 17	66	
						198						204	
5	126	954	427	5	147 / 105	42	167	~~056~~ 019	468	5	185 / 149	36	
						240						240	
6	133	842	434	5	135 / 131	4	146	917	447	5	148 / 144	4	
+	1044	056 ✓			✓	244	605	601 ✓			✓	244	
BM 10-9C -	605	601										244	BM 10-9C
+	438	455 ✓									✓	488	~~San Gabr~~ Foothill & Rosemead N.E. Cor
													FB 3709-32

F.B. 4110 PG. 84 JOB NO. 030102

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY Randall NOTES Miyahira DATE: 8 Feb '71

INDEXED C. J. GALLI DATE

WEATHER Calm & Hazy INST. NO. 75234

TIME 2:30 ROD NO. 2139A

NOTES CHKD DATE

T=65

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

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

SURVEY BY Randall WEATHER Overcast INST. NO 25234

NOTES BY Rodriguez DATE 4 Feb 71 TIME 14:30 ROD NO 2139 AB

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

T=67° F.B. 4110 PG. 85

STATION	BACKSIGHT RIGHT	MIC.	LEFT.		STADIA		FORESIGHT RIGHT	MIC.	LEFT.		STADIA		DESCRIPTION AND REMARKS
BM 10-10A													FROM BM 10-10A TO BM 10-11A
1	107	447	408	5	138 76	62	215	060	516	5	244 186	58	BM 10-10A
													FOOTHILL Blvd @ Michillinda AVE
2	98	949	399	5	135 61	74	130	655	431	5	167 93	74	N.W COR
						136						132	E.B 3709-33
3	95	493	396	5	126 64	62	134	501	435	5	163 105	58	
						198						190	Miyahira
4	106	227	407	5	135 77	58	240	603	541	5	274 206	68	
						256	✓	✓				258	
5	137	810	438	5	167 107	60	260	260	561	5	290 230	60	
						316						318	
6	10	905	311	5	43 1/2) 10	66	212	920	513	5	244 180	64	
						382						382	
7	124	707	425	5	156 92	64	208	831	509	5	243 173	70	
						446						452	
8	116	483	417	5	121 111	10	144	250	445	5	148 140	08	
+	798	021	✓		↘	456	1547	080	✓		↘	460	
							798	021				456	
							749	059	✓		↘	916	
BM 10-11A													BM 10-11A
													FOOTHILL Blvd - PRIVATE ST West
													of DON ALVARADO
													E.B. 3709-39

288

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
BM10-11A									FROM BM10-11A TO BM10-10A
1	169	087	470 5	177 161 16	108	333	409 5	115 101 14	BM 10-11A
									FootHill Blvd, PRIVATE ST
2	168	873	469 5	197 139 58	118	830	419 5	149 87 62	West of DON ALVARADO
				74				76	FB3709-39
3	161	143	462 5	190 132 58	16	723	317 5	44 1/2) 16 56	
				132				132	⊼ Miyahira
4	253	017	554 5	282 224 58	32	443	333 5	61 3 58	
				190				190	
5	155	410	456 5	185 125 60	77	107	378 5	107 47 60	
				250				250	
6	167	645	468 5	196 138 58	139	609	440 5	167 111 56	
				308				306	
7	166	415	467 5	195 137 58	167	725	468 5	197 137 60	
				366				366	
8	186	729	487 5	216 156 60	104	780	405 5	133 75 58	
				426				424	
9	171	253	472 5	191 151 40	99	455	400 5	119 79 40	
				466				464	
10	160	200	461 5	263 157 06	146	055	447 5	148 144 04	
	+ 1759	772 ✓		472	1011	060 ✓		468	
B.M.10-10A	1011	060						472	
	+ 748	712 ✓						940	BM 10-10A
									Foot Hill Blvd @ Michillinda AV.
									N.W. COR
									F.B 3709-33

F.B. 4110 PG. 86

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Randall NOTES DATE: 8 Feb 71

INDEXED G.T. GALEY DATE

WEATHER Hazy INST. NO. 75234

TIME 1315 ROD NO. 2839 HB

NOTES CHKD DATE

T = 66°

F.B. 4110 PG. 87

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

SURVEY BY Randall WEATHER INST. NO.

NOTES BY DATE TIME ROD NO.

INDEXED DATE NOTES CHKD DATE

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM ____ TO ____
									BLANK
									NOTE: See next page for Rerun B.M. 10-10A to 10-11A. This is a forward run and should be on this side of the page.

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

RERUN

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 10-10A													FROM BM 10-10A TO 10-11A
1	184	845	485	5	202 166	36	254	281	555	5	272 236	36	BM 10-10A
													FOOTHILL Blvd @ Michillinda
2	87	289	388	5	126 ~~142~~ 48	78	181	289	482	5	218 144	74	N.W COR
						114						110	FB 3709-33
3	192	445	493	5	226 158	68	185	423	486	5	221 149	72	
						182						182	T Miyahira (RERUN)
4	109	020	410	5	103 75	68	254	353	555	5	289 219	70	
						250						252	NOTE: This is a
5	134	095	435	5	169 99	70	272	815	573	5	1½) 272 239	66	FORWARD RERUN
						320						318	
6	26	220	327	5	1½) 57 26	62	233	077	534	5	266 200	66	
						382						384	
7	130	919	431	5	162 98	64	189	771	490	5	220 158	62	
						446						446	
8	103	893	404	5	108 98	10	146	555	447	5	151 141	10	
	+ 968	726	✓		✓	456	1717	564	✓		✓	456	
							+ 968	726				456	
BM 10-11A							748	838	✓		✓	912	BM 10-11A
													FOOTHILL Blvd PRIVATE ST
													W. of DON Alvarado
													FB 3709-39

WEATHER Clear TE 68°

TIME 0 10:40

NOTES CHKD

DATE

INST. NO 7523

ROD NO 173 AE

F.B. 4110 PG. 88

JOB NO. 0301.02

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY Randall NOTES Rodriguez 18 Feb 71

INDEXED G. I. GALLI

DATE

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
B.M. 10-11A													FROM BM 10-11A TO BM 10-12A
1	146	050	447	5	184 108	76	171	085	472 ~~134~~	5	(134) 208	74	B.M. 10-11A
													PRIVATE ST, west of DON
2	64	735	365	5	91 37	54	297	885	598	5	296 1/2 270	52	ALVARADO
						130						126	F.B 3709-39
3	53	590	354	5	73 33	40	255	807	556	5	277 233	44	⊼ Miyahira
						170						170	
4	39	215	340	5	62 16	46	141	939	442	5	163 119	44	
						216						214	
5	44	553	345	5	59 29	30	61	305	362	5	77 45	32	
	+ 348	143	✓		↘	246	928	021	✓		↘	246	
							+ 348	143				246	
BM 10-12A							579	878	✓		↘	492	B.M 10-12A
													FOOT HILL @ Baldwin, So side of
													SERVICE Rd.
													F.B. 2881-8

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

SURVEY BY Randall WEATHER Clear INST. NO 75234

NOTES BY Rodriguez DATE 5 Feb 71 TIME 09:05 ROD NO 2139 AB

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

T=46° F.B. 4110 PG. 89

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 10-12A 12A TO BM 10-11A 10-11A
BM 10-12A													
1	138	610	439	5	153 123	30	123	733	424	5	130 108	30	BM 10-12A
													FOOT HILL @ Baldwin so
2	192	883	493	5	209 175	34	109 ~~108~~	107	410	5	125 93	32	side service Rd
						64						62	F.B 2881-8
3	250	263 ~~235~~	551	5	270 230	40	37	723	338	5	57 17	40	
						104						102	⊼ Miyahira
4	275	617	576	5	299 251	48	64	403	365	5	88 40	48	
						152						150	
5	165	337	466	5	195 135	60	129	270	430	5	158 100	58	
						212						208	
6	149	807	450	5	159 139	20	128	373	429	5	140 116	24	
	+ 1172	517 ✓				232	592	609 ✓				232	
	- 592	609										232	
BM 10-11A	+ 579	908 ✓										464	BM 10-11A
													PRIVATE ST W. of DON. ALVARADO
													F.B 3709-39

T=680

WEATHER Clear INST. NO. 75234

TIME 0 9:40 ROD NO. 1713AE

NOTES CHKD DATE

F.B. 4110 PG. 90 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Randall NOTES Rodriguez DATE: 18 Feb 71

INDEXED C. J. GALLI DATE

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY Randall WEATHER Clear INST. NO. 75234

NOTES BY Rodriguez DATE 5-Feb-71 TIME 09:45 ROD NO. 2139A

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

F.B. 4110 PG. 91

T = 46°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 10-12A													FROM BM 10-12A TO BM 11-1
1	36	145	337	5	1/2) 70 36	68	230	550	531	5	264 196	68	BM 10-12A
													FOOTHILL Blvd @ Baldwin So, side
2	59	823	360	5	89 29	60	219	795	520	5	250 188	62	SERVICE RD.
						128						130	F.B 2881-8
3	53	977	354	5	85 21	64	230	627	531	5	261 199	62	
						192						192	⊼ Miyahira
4	13	601	314	5	1/2) 37 13	48	223	820	524	5	247 199	48	
						240						240	
5	36	703	337	5	70 2	68	236	747	537	5	266 206	60	
						308						300	
6	54	880	355	5	83 25	58	251	753	552	5	286 216	70	
						366						370	
7	62	440	363	5	92 32	60	227	573	528	5	256 198	58	
						426						428	
8	124	617	425	5	130 118	12	163	895	464	5	168 158	10	
+	442	186				438	1784	760				438	B.M 11-1
B.M. 11-1							442	186				438	FOOTHILL Blvd @ Burnell Oaks
							1342	574				876	IN ST.
													F.B 2880-13

281

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 11-1													FROM BM - 11-1 TO 10-12
1	252	933	553	5	223 221	62	24	613	325	5	155 224	62	BM 11-1
													FOOTHILL Blvd @ BURNELL
2	133	037 ~~04~~	434	5	139 127	12	128	437	429	5	134 122	12	OAKS INST
						74						74	F.B 2880-13
3	149	613	450	5	165 133	32	95	721	396	5	111 79	32	
						106						106	⊼ Miyahira
4	233	810	534	5	264 202	62	35	355	336	5	67 3	64	
						168						170	
5	205	763	506	5	225 185	40	81	200	382	5	101 61	40	
						208						210	
6	257	391	558	5	284 230	54	30	063	331	5	57 3	54	
						262						264	
7	224	767	525	5	254 194	60	53	557	354	5	83 23	60	
						322						324	
8	216	393	517	5	248 184	64	59	930	360	5	90 28	62	
						386						386	
9	198	635	499	5	221 175	46	49	403	350	5	76 22	54	
						432						440	
10	164	295	465	5	171 157	14	136	371	437	5	140 132	08	
	+ 2037	137				446	694	700				448	
B.M. 10-12A	- 694	700										446	BM 10-12A
	+ 1342	437										894	FOOTHILL Blvd @ Baldwin So.
													side service Rd
													F.B 2881-8

F.B. 4110 PG. 92 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Randall NOTES Rodriguez DATE: 18 Feb 71

INDEXED C. J. GALLI DATE

WEATHER Overcast INST. NO. 75231

TIME 14:10 ROD NO. 9-19

NOTES CHKD DATE

T=56°

76P526B CE # 308 8/68

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

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA	DESCRIPTION AND REMARKS
BM 11-1					92					299	BM 11-1
1	63	400	364	5	63 11/58	299	390	600	5	270 1/58	FOOTHILL BLVD @ BURNELL OAKS
					88					266	IN ST.
2	61	599	362	5	40 42	245	091	546	5	224 42	F.B 2881-8
					75 100					284 100	
3	48	651	349	5	21 54	258	902	559	5	232 52	T RODRIGUEZ
					61 154					287 152	
4	26	422	327	5	26 1/2 70	287	989	588	5	254 1/2 66	
					55 224					297 218	
5	21	520	322	5	21 1/2 68	297	472	599	5	261 1/2 72	
					118 292					212 290	
6	106	638	407	5	94 24	199	110	600	5	186 26	
+	328	230			316	1587	954			316	
B.M. 11-1A						328	230			316	B.M. 11-1A
						1259	724			632	FOOTHILL BLVD, 400' E. OF RANCHO RD.
											F.B. 3710-14

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

SURVEY BY Randall

NOTES BY Anderson DATE 5 Feb-71

INDEXED G. J. GALLI DATE MAR 30 '71

NOTES CHKD DATE

WEATHER CLEAR & CALM TIME 10:45

INST. NO. 75234 ROD NO 2139 A

F.B. 4110 PG. 93

1" = 6K'

738

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 11-1A TO B.M. 11-1
B.M. 11-1A					255						55		B.M. 11-1A
1	233	260	534	5	211	44	55	391	356	5	34 1/2	42	FOOTHILL BLVD., 400' E. OF
					279						67		RANCHO RD.
2	279	452	580	5	248 (1/2	62	37	328	338	5	7	60	F.B. 3710-14
					290	106					51	102	
3	290	710	591	5	256 (1/2	68	15	730	316	5	15 1/2	72	
					294	174					40	174	T = RODRIGUEZ
4	294	982	595	5	259 (1/2	70	7	791	308	5	7 (1/2)	66	
					296	244					50	240	
5	296	299	597	5	268 (1/2	56	20	469	321	5	20 1/2	60	
					172	300					170	300	
6	167	050	468	5	162	10	165	392	466	5	160	10	
	+1561	753 ✓				310	302	101 ✓				310	
B.M. 11-1	-302	101										310	B.M. 11-1
	+1259	652 ✓										620	FOOTHILL BLVD. & BURNELL OAKS L
													F.B. 2881-8 NEAR ℄

T = 56°

WEATHER CLOUDY & CALM INST. NO. 7523

TIME 13:20 ROD NO. 9 & 19

NOTES CHKD DATE

F.B. 4110 PG. 94 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Randall NOTES ANDERSON DATE: 16-FEB '71

INDEXED G. J. GALLI DATE

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
B.M. 11-1A													FROM B.M. 11-1A TO B.M. 11-2
1	137	151	438	5	160 / 114	46	143	382	444	5	165 / 120	46	B.M. 11-1A
					188						218		FOOTHILL BLVD, 400' E. OF RANCHO RD,
2	154	830	455	5	120	68	186	250	487	5	154	64	F.B. 3710-14
					155	114					232	110	
3	122	040	423	5	89	66	195	032	496	5	158	74	⊼ RODRIGUEZ
					170	180	168				199	184	
4	134	622	435	5	98	72	~~16~~	910	469	5	137	62	
					152	252					150	246	
5	148	021	449	5	144	8	142	240	443	5	134	16	
					127	260					199	262	
6	116	859	417	5	105	22	190	658	491	5	181	18	
	+813	523	✓		↘	282	1026	472	✓		↘	280	
B.M. 11-2							813	523				282	B.M. 11-2
							212	949	✓		↘	562	FOOTHILL BLVD. & SANTA ANITA AV
													F.B. 1376-7

225

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

SURVEY BY J. RANDALL

NOTES BY R. ANDERSON DATE 5-FEB. '71 WEATHER CLOUDY & CALM

INDEXED [illegible] GALLI DATE MAR 30 71 TIME 13:30 NOTES CHKD DATE

INST. NO. 7523 ROD NO. 2139A

T=66°

F.B. 4110 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.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
BM 11-2	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M.11-2 TO B.M.11-1A
1	188	790	489	5	198 178	20	114	990	415	5	226 102	24	B.M.11-2
2	161	619	462	5	184 138	46	163 ~~167~~	920 ~~140~~	464 ~~46~~	5	185 141	44	Foothill and Santa Anita F.B. 1376-7
3	191	892	492	5	226 156	66 70	119	440	420	5	154 84	68 70	⊼ Rodriquez
4	196	232	497	5	230 162	136 68	128	010	429	5	161 95	138 66	
5	146	361	447	5	162 130	204 32	148	621	449	5	164 132	204 32	
6	138	651	439	5	159 117	236 42	135	551	436	5	156 114	236 42	
+	1023	545 ✓			↘	278	810	532 ✓			↘	278	B.M. 11-1A
B.M. 11-1A -	810	532										278	Foothill Blv'd. E. of Rancho Rd.
+	213	013 ✓									↘	556	F.B. 3710-14

T = 66'

F.B. 4110 PG. 96 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Randall NOTES Randall 5-Feb-71

INDEXED G. J. GALLI DATE

WEATHER overcast-Calm INST. NO. 75234

TIME 14:07 ROD NO. 2139A

NOTES CHKD DATE

76P526B CE # 308 8/68

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY Randall
NOTES BY Rodriguez DATE 22 Feb 71 TIME 08:00 WEATHER Overcast INST. NO 25234
INDEXED G.J. GALLI DATE MAR 30 71 NOTES CHKD DATE ROD NO 1713 AB
T=520 F.B. 4110 PG. 97

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
1	134	495	435 5	136 132 04	102	539	403 5	129 75 54	54 M- 04 M= 50 M=0.20 mm
2	144	343	445 5	146 142 04	176	191	477 5	203 149 54	54 M- 04 M= 50 M=0.20 mm
	278	838		08	278	730		108	
	228	690						-08	
	+	1.48			-0.40 mm			100	Curvature Corr.=0.40 mm
					278	690			⊼ Miyahira
					-				
	+	0.014		mm= "C"					
	100	1.48							
								mm= "C"	

76P526B CE # 308 8/68

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

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

Do not extend notes this side of this line.

RERUN

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 10-6A													FROM B.M. 10-6A TO B.M. 10-7A
1	218	533	519	5	237 197	42	78	899	379	5	99 57	42	BM 10-6A
													San Gabriel Blvd @ Lombardy Rd
2	204	429	505	5	226 182	44	83	800	384	5	105 61	44	S.W. COR.
						86						86	F.B. 1375-130
3	186	839	487	5	212 126	52	108	161	409	5	136 80	56	
						138						142	T Miyahira RERUN
4	175	789	476	5	206 144	62	109	577	410	5	140 78	62	
						200						204	
5	171	187	472	5	204 138	66	58	391	359	5	91 25	66	
						266						270	
6	254	343	555	5	284 224	60	47	037	348	5	76 18	58	
						326						328	
7	262	823	563	5	291 233	58	34	030	335	5	61 7	54	
						384						382	
8	281	087	582	5	1/2) 281 257	48	41	591	342	5	64 18	46	
						432						428	
9	213	330	514	5	235 191	44	101	529	402	5	124 78	46	
						476						474	
10	175	547	476	5	193 157	36	175	213	476	5	193 157	36	
+	2143	907 ✓			✓	512	838	228 ✓			✓	510	
-	838	228 ✓										512	
BM 10-7A +	1305	679 ✓									✓	1022	BM 10-7A
													San Gabriel Blvd @ Del Mar
													N.E. COR.
													F.B. 3709-23

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

SURVEY BY Rodenvier Ramdall WEATHER overcast INST. NO. 75233

NOTES BY G. J. GALLI DATE 22 Feb 71 TIME 0:9:00 ROD NO. 1713 & 1

INDEXED DATE MR 30 71 NOTES CHKD DATE

T=52° F.B. 4110 PG. 99

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.

RERUN

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
BM 10-7A									FROM BM 10-7A TO BM 10-6A
1	132	897	433 5	154 110 44	161	247	462 5	182 140 42	BM 10-7A
									SAN GABRIEL Blvd @ DEL MAR
2	73	320	374 5	96 50 46	264	295	565 5	287 241 46	N.E. COR
				90				88	F.B 3709-23
3	39	909	340 5	61 17 44	240	910	541 5	262 218 44	
				134				132	⊼ Miyahira RERUN
4	51	649	352 5	74 28 46	229	185	530 5	252 206 46	
				180				178	
5	32	135	333 5	58 6 52	251	655	552 5	276 226 50	
				232				228	
6	113	683	414 5	128 98 30	165	523	466 5	184 146 38	
				262				266	
8	99	939	400 5	130 68 62	172	507	473 5	201 143 58	
				324				324	
9	110	813	411 5	142 78 64	193	173	494 5	226 160 66	
				388				390	
10	91	265	392 5	118 64 54	219	463	520 5	247 191 56	
				442				446	
11	73	651	374 5	97 49 48	199	707	500 5	221 177 44	
				490				490	
12	132	513	433 5	135 129 06	160	025	461 5	163 157 06	
BM 10-6A	+ 951	774 ✓		↘ 496	2257	690 ✓		↘ 496	BM 10-6A
					+ 951	774		496	SAN GABRIEL Blvd @ Lombardy Rd
					- 1305	916 ✓		↘ 992	N. SO. E. COR
									F.B 1375-130

F.B. 4110 PG. 100

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Randall NOTES RODRIGUEZ 22 FEB 71

INDEXED G. J. GALLI DATE

WEATHER Overcast INST. NO. 75234

TIME 0:10:40 ROD NO. 1713 A-B

NOTES CHKD DATE

T=52°

Notes Ck'd by	Survey of EARTHQUAKE STUDY
Map No.	JN 002005 Tape — Std — °F
Office Work	Surveyed by Randall
Checked	Notes " Date Mar-71
Date	Indexed [illegible] MAR 30 '71

F. B. 4110 PG. 111

EARTH QUAKE

STUDY

L.A. CO. PRECISE LEVEL NET

LINE 203

J.N. 0020.05

MAR. 1971

REFERENCE	PARTY
F.B. 2839	RANDALL
3719	ANDERSON
4110	LOVE
	RODRIGUEZ
	MIYAHIRA

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

Do not extend this side of this line.

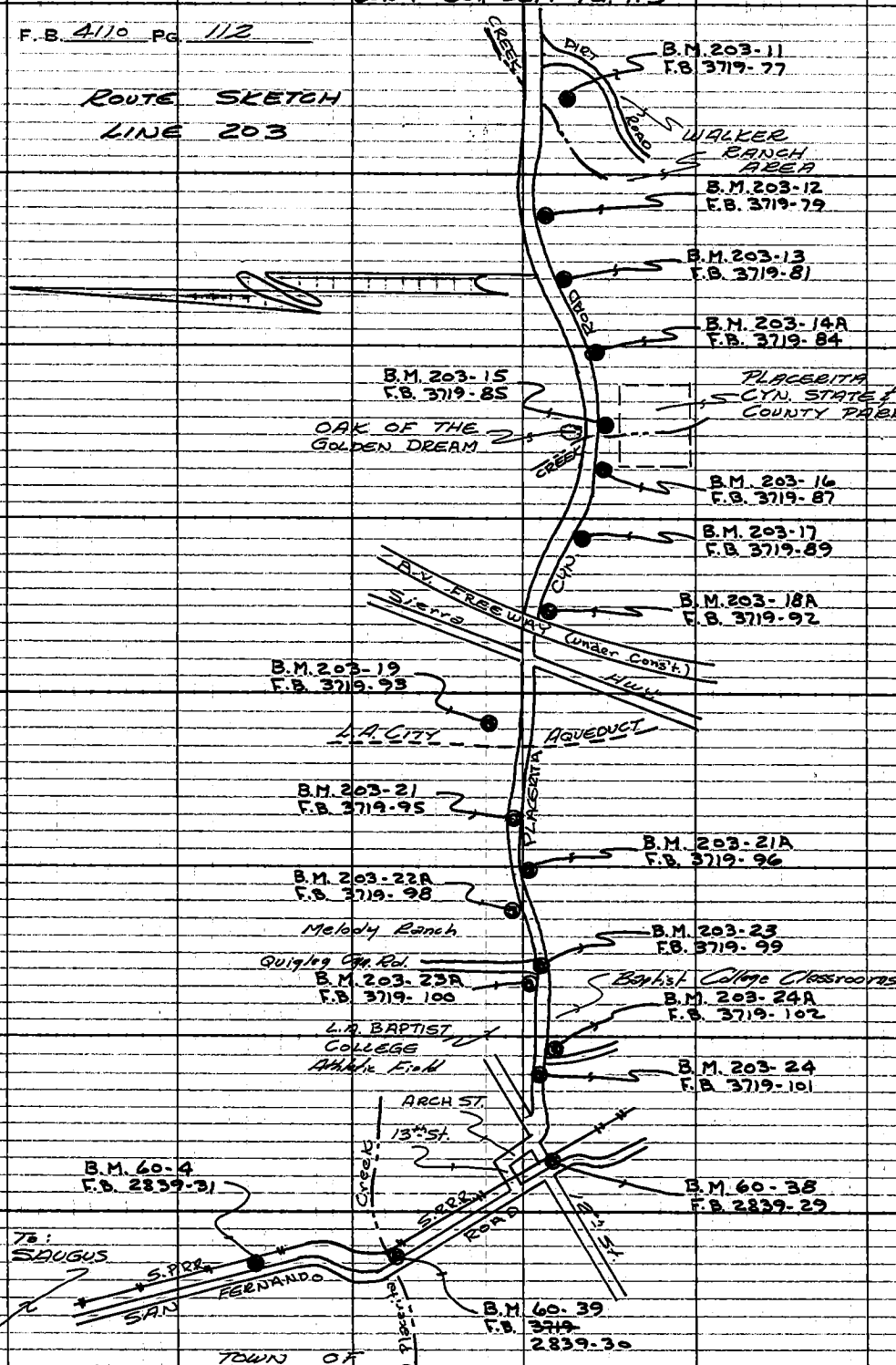
PLEASE RETURN TO
COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-69

CON'T. BOT. LEFT PG. 113

F.B. 4110 PG. 112

ROUTE SKETCH
LINE 203



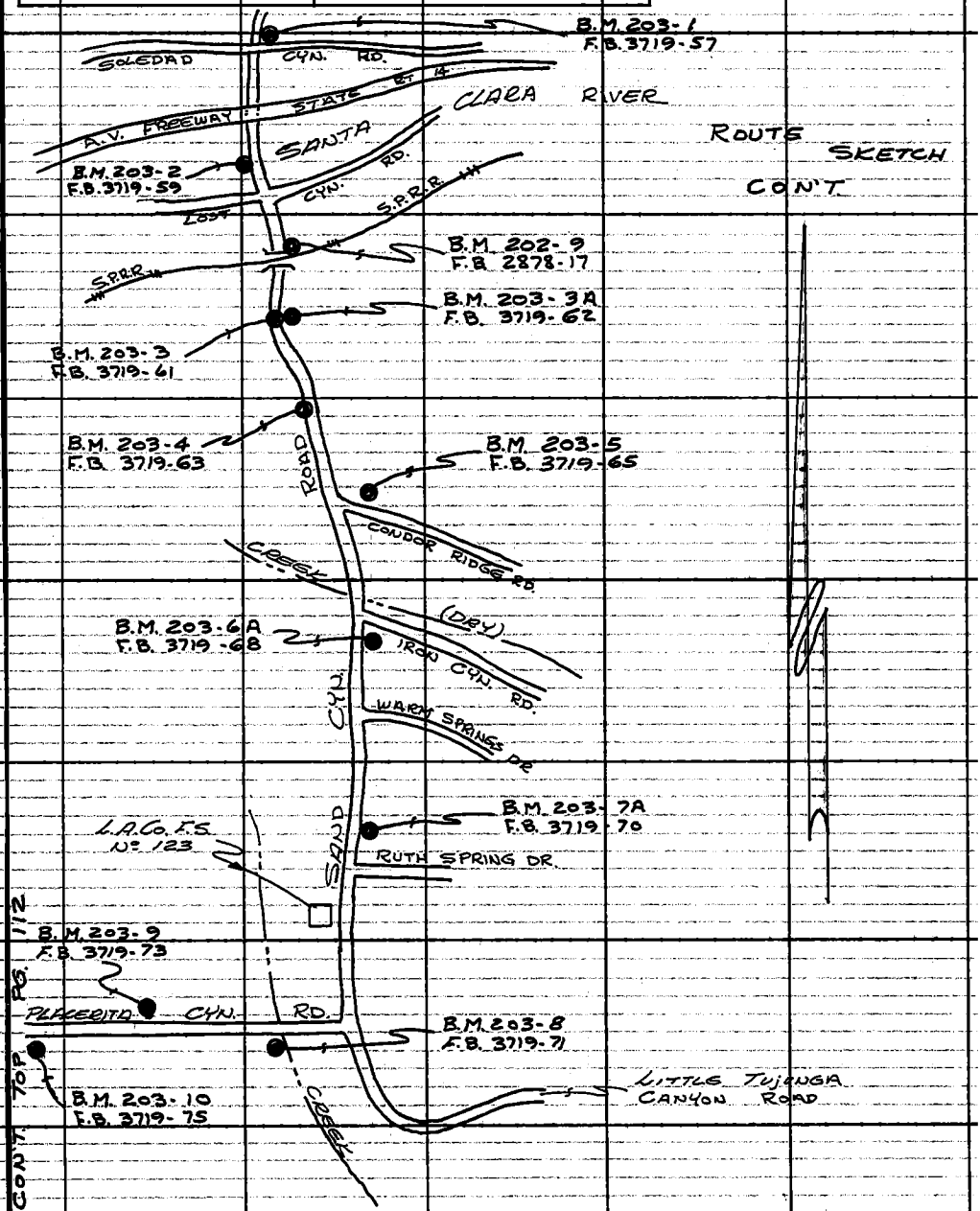
PLEASE RETURN TO
COUNTY OF LOS ANGELES
DEPARTMENT OF COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this date 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 EARTH QUAKE STUDY
Map No.	JN 002005 Tape — Std — °F
Office Work	Surveyed by Randall
Checked	Notes " Date Mar '71
Date	Indexed [illegible] GALLI MAR 30 '71

F.B. 4110 PG. 113



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

Do not extend this side of this line.

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

76F309S CE#310 3-69

76P526B CE # 308 8/68

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

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
1	138	578	439 5	140 136 4	100	672	401 5	127 73 54	54 M- 4 M=50 M=0.20 mm
2	138	492	439 5	140 136 4	176	363	477 5	203 149 54	54 M- 4 M= 50 M=0.20 mm
	277	070		8	277	035		108	
	276	995			--	0.40 mm			
	+	075			-0. mm				Curvature Corr.=0. 40 mm
					276	995			
					-				
									⊼ Anderson
		0.0075 mm= "C"							
	100 /	0.75							
							mm= "C"		

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY Randall
NOTES BY Miyahira DATE 9 Mar. '71
INDEXED C.J. GALLI DATE MAR 30 '71
WEATHER Light Breeze Clear TIME 1310
NOTES CHKD. DATE
INST. NO. 75234 ROD NO. 1713A.B
F.B. 4110 PG. 115
T= 74

76P526B CE # 308 8/68

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

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
1	143	847	444 5	145 141 04	192	617	493 5	219 165 54	54 M-04 M=50 M=0.20 mm
2	132	700	433 5	134 130 04	83	937	384 5	110 56 54	54 M-04 M=50 M=0.20 mm
	276	547		08	276	540		108	
	276	500						-08	
	+	047			-0.40 mm			100	Curvature Corr.=0.40 mm
					276	500			
					-				Miyahira

+ 0.0047 mm= "C"

100 / 0.470
400

- mm= "C"

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY Randall WEATHER Overcast INST. NO. 75234
NOTES BY Rodriguez DATE 10 Mar 71 TIME 0:9:10 ROD NO. 171348
INDEXED G. J. GALLI DATE MAR 30 71 NOTES CHKD. DATE

F.B. 4110 PG. 117

76P526B CE # 308 8/68

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T=60
SURVEY BY Randall WEATHER Calm & Clear INST. NO. 75234
NOTES BY Miyabira DATE 11 March '71 TIME 0900 ROD NO. 17148
INDEXED C.J. GARCIA DATE MAR 30 71 NOTES CHKD DATE

F.B. 4110 PG. 119

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS FROM ____ TO ____
			DETERMINATION OF "C"										
		NEAR ROD						FAR ROD					
1	132	592	433	5	134 / 130	4	112	~~352~~ 352	413	5	134 / 130	54	54 M- 4 M= 50 M=0. 20 mm
2	140	421	441	5	142 / 138	4	160	602	461	5	187 / 133	54	54 M- 4 M= 50 M=0. 20 mm
	273	013				8	272	954				108	40
	272	914						0.40 mm					
	+	099					-0.	mm				- 8	Curvature Corr.=0. 40 mm
							272	914				100	
							-						
													T Anderson
			.0099										
		0 .0099			mm= "C"								
	100 /	0.9999											
								/			mm= "C"		

76P526B CE # 308 8/68

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
1	126	693	427 5	128 124 4	37	847	338 5	64 10 54	54 M- 4 M= 50 M=0.20 mm
2	149	548	450 5	151 147 4	238	353	539 5	265 211 54	54 M- 4 M= 50 M=0.20 mm
	276	241			276	200		108	
	276	160			—	0.40 mm		8	
	+	081			-0.	mm		100	Curvature Corr.=0.40 mm
					276	160			
					—				⊼ Anderson
		.0081	mm= "C"						
	100 /	0.81							
							mm= "C"		

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY Randall
NOTES BY " DATE 13-Mar-71
INDEXED C. J. GALLO DATE MAR 30 71
WEATHER overcast-Calm
TIME 08:55
NOTES CHKD
INST. NO. 75234
ROD NO. 1713A-B
DATE
T=56°
F.B. 4110 PG. 121

76P526B CE # 308 8/68

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

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

Do not extend notes this side of this line.

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

SURVEY BY Randall WEATHER Clear INST. NO. 7523

NOTES BY Rodriguez DATE 15 Mar 71 TIME 0:8:30 ROD NO. 1713AB

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

F.B. 4110 PG. 123

T=60°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
1	133	925	434 5	135 / 132 04	71	290	370 5	98 / 44 54	54 M- 4 M= 50 M=0.20 mm
2	149	427	450 5	151 / 147 04	211	983	512 5	238 / 184 54	54 M- 4 M= 50 M=0.20 mm
	283	352		08	283	273		108	
	283	233						-08	
	+	1.19			-0.40 mm			100	Curvature Corr.=0.40 mm
					283	233			
					-				π Miyahira
	+	0.012		mm= "C"					
	100	1.19 / 100							
					-			mm= "C"	

76P526B CE # 308 8/68

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY Randall
NOTES BY Miyahira DATE 16 March '71 TIME 0840 WEATHER Calm & Clear INST. NO. 75234
INDEXED L. J. GALLI DATE MAR 30 '71 NOTES CHKD DATE ROD NO. 17138-B
F.B. 4110 PG. 125
T= 66

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS FROM ____ TO ____
			DETERMINATION OF "C"										
		NEAR ROD						FAR ROD					
1	136	782	437	5	138 / 134	4	117	222	418	5	144 / 90	54	54 M- 4 M=50 M=0.20 mm
2	140	218	441	5	142 / 139	4	159	842	460	5	186 / 132	54	54 M- 4 M=50 M=0.20 mm
	277	000					277	064				108	
								0.40 mm				- 8	
	+						-0.	mm				100	Curvature Corr.=0.40 mm
							277	024					
							277	000					
							-	024					K Anderson
					mm= "C"								
	/												
								-0.0024 mm= "C"					
							100 /	0.24					

76P526B CE # 308 8/68

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

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

Do not extend notes this side of this line.

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

SURVEY BY Randall

NOTES BY "

INDEXED R. J. GALL DATE 17-Mar-71

DATE MAR 30 '71

WEATHER Clear-Wind

TIME 08:30

NOTES CHKD

DATE

INST. NO. 75234

ROD NO. 1713A.E

F.B. 4110 PG. 127

T= 58°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
1	167	128	468 5	169 165 4	288	582	589 5	1/2) 288 261 54	54 M- 4 M= 50 M=0.20 mm
2	151	032	452 5	153 149 4	29	578	330 5	56 2 54	54 M- 4 M= 50 M=0.20 mm
	318	160		8	318	160		108	
	318	120			–	0.40 mm		8	
	+	0.40			-0. mm			100	Curvature Corr.=0.40 mm
					318	120			
					–				Rodriquez
		0.004 mm= "C"							
	100	0.40							
						mm= "C"			

76P526B CE # 308 8/68

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY Randall
NOTES BY " DATE 18-Mar-71
INDEXED G. J. GALLI DATE MAR 30 '71
WEATHER Clear-Wind INST. NO 75234
TIME ROD NO. 1713A-B
NOTES CHKD DATE
T = 58°
F.B. 4110 PG. 129

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
1	150	051	451 5	152 148 4	28	542	329 5	55 1 54	54 M- 4 M= 50 M=0.20 mm
2	175	680	476 5	177 173 4	297	179	598 5	297 1/2) 270 54	54 M- 4 M= 50 M=0.20 mm
	325	731			325	721		108	
	325	681			-	0.40		8	
	+	050			~~0.~~	~~mm~~		100	Curvature Corr.=0.40 mm
					325	681			
					-				⊼ Rodriquez
			.005 mm= "C"						
	100	0.500							
							mm= "C"		

76P526B CE # 308 8/68

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

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

Do not extend notes this side of this line.

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

SURVEY BY Randall " DATE 19-Mar-71 WEATHER Clear. Wind INST. NO. 75234

NOTES BY " DATE 19-Mar-71 TIME 08:45 ROD NO. 1713A-F

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

F.B. 4110 PG. 131

T=58°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
1	153	070	454 5	155 151 4	31	520	332 5	58 4 54	54 M- 4 M= 50 M=0.20 mm
2	177	869	478 5	179 175 4	299	311	600 5	½) 299 272 54	54 M- 4 M= 50 M=0.20 mm
	330	939			330	831			
	330	791			−	0.40 mm			
	+	148			~~−0.~~	~~mm~~			Curvature Corr.=0.40 mm
					330	791			
									π Rodriquez
					−				
		0.0148 mm= "C"							
	100	0 1.48							
							mm= "C"		

76P526B CE # 308 8/68

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY Randall
NOTES BY " DATE 22-Mar-71
INDEXED G. L. GALLI DATE MAR 30 '71
WEATHER Clear-Calm
TIME 09:30
NOTES CHKD. DATE
INST. NO. 75234
ROD NO. 17134.13
T=70°
F.B. 4110 PG. 133

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
1	134	093	435 5	136 132 4	56	553	357 5	83 29 54	54 M- 4 M= 50 M=0.20 mm
2	143	325	444 5	145 141 4	220	780	521 5	247 193 54	54 M- 4 M= 50 M=0.20 mm
	277	418		8	277	333		108	
	277	293				-0.40 mm		8	
	+	125			~~-0. mm~~			100	Curvature Corr.=0.40 mm
					277	293	(277 293)		
									⊼ Rodriquez
					-				
		.0125 mm= "C"							
	100	1.25							
							mm= "C"		

76P526B CE # 308 8/68

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED IN 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 Bonilla
NOTES BY "
INDEXED L. J. GARCIA
DATE MAR 30 '71
DATE 23-Mar-71
WEATHER Clear-Calm
TIME 08:45
INST. NO. 25234
ROD NO. 12138-B
NOTES CHKD
DATE
T= 66°
F.B. 410 PG. 135

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
			DETERMINATION OF "C"						
		NEAR ROD				FAR ROD			
1	167	300	468	~~45~~ 165 (169)	4	268	418	569	5
									241 (295) 54
									54 M- 4 M= 50 M=0.20 mm
2	142	070	443	~~45~~ 140 (144)	4	40	892	341	5
									183 (187) 54
									54 M- 4 M= 50 M=0.20 mm
	309	370		8	8	309	310		
									108
	~~309~~	~~310~~				-	0.40 mm		
									8
	+								
						=0. mm			100
									Curvature Corr.=0.40 mm
	309	270				309	270		
	~	100							
									A Rodriguez
		.0100		mm= "C"					
	100	1.00							
								mm= "C"	

76P526B CE # 308 8/68

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

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

Do not extend notes this side of this line.

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

SURVEY BY Randall

NOTES BY Rodriguez DATE 24-Mar-71 TIME 08:45 WEATHER overcast. Calm INST. NO. 7523

INDEXED S. J. GALLI DATE MAR 30 71 NOTES CHKD. DATE ROD NO. 1713A.B

F.B. 4110 PG 37

T=64°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
1	143	415	444 5	145 141 04	40	437	341 5	67 13 54	54M- 4 M= 50 M=0.20 mm
2	149	701	450 5	151 147 04	252	561	553 5	279 225 54	54 M- 4 M= 50 M=0.20 mm
	293	116		08	292	998		108	
	292	958			- 0.40 mm			-8	
	+	158			~~-0. mm~~			100	Curvature Corr.=0.40 mm
					292	958			
					-				⊼ Rodriguez

+ 0.015 mm= "C"

100/1.58
100
580

- mm= "C"

76P526B CE # 308 8/68

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

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

Do not extend notes this side of this line.

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

SURVEY BY Randall WEATHER overcast. Calm INST. NO. 75234

NOTES BY " DATE 25-Mar-71 TIME 09:30 ROD NO. 1713 A-B

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

F.B. 4110 PG. 139

T=560

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM ____ TO ____
	DETERMINATION OF "C"								
	NEAR ROD				FAR ROD				
1	149	938	450 5	151 147 4	39	349	340 5	66 12 54	54 M- 4 M= 50 M=0.20 mm
2	160	920	461 5	162 158 4	271	480	572 5	298 244 54	54 M- 4 M= 50 M=0.20 mm
	310	858		8	310	829		108	
	310	789				- 0.40 mm		8	
	+	0.69			-0. mm			100	Curvature Corr.=0.40 mm
					310	789			
					-				
		.007 mm= "C"							
	100 /	0.69							
						mm= "C"			

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY Randall

NOTES BY Miyahira DATE 9 Mar '71

INDEXED C.D. GALLI DATE MAR 30 '71

T=74 Clear Light Breeze

WEATHER

TIME 1325

NOTES CHKD RCB

F.B. 4110 PG. 41

INST. NO. 75234

ROD NO. 1713A-B

DATE 30-3-71

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
BM 60-40	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 60-40 TO BM 60-39
1	241	032	542	5	272 210	62	70	886	371	5	102 38	64	BM 60-40
													San Fernando Rd 1/8 mi S'ly from Saugus
2	214	692	515	5	249 179	70	119	718	426	5	155 83	72	FB 2839-31
						132						136	
3	~~227~~ 226	849	527	5	261 191	70	103	408	404	5	138 68	70	
						202						206	⊼ Anderson
4	115	952	416	5	151 79	72	84	798	385	5	119 49	70	
						274						276	
5	237	710	538	5	272 202	70	69	873	370	5	104 34	70	
						344						346	
6	177	570	478	5	204 150	54	62	722	363	5	88 36	52	
						398						398	
7	163	221	464	5	166 160	6	116	025	417	5	119 113	6	
	+1377	026 ✓				404	627	430 ✓				404 ✓	
BM 60-39	627	430										404	BM 60-39
	+749	596 ✓										808 ✓	San Fernando Rd @ Bridge #53-14
													FB 2839-30

270

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

SURVEY OF L.A. Co. Precise Level Net Earthquake Epoch 1971 — JOB NO. 03012 — INST. NO. 78234

SURVEY BY Randall — NOTES Mrs. Hirz 15 Mar 71 — ROD NO. 1713A

INDEXED C.J. GALLI — DATE — DATE 30-3-71

WEATHER Clear Light Breeze — TIME 1040 — NOTES CHKD RCB

T=70

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 60-39													FROM BM 60-39 TO BM 60-40
1	58	332	359	5	86 30	66	210	528	511	5	239 181	58	BM 60-39
													San Fernando Rd @ Bridge # 53-14
2	~~210~~	~~528~~	~~511~~	~~5~~	~~239 181~~	~~72~~	272	762	573	5	(1) 272 235	74	FB 2839-30
	23	743	324	5	(1/2) 59 23	128						132	
3	106	640	407	5	141 71	70	237	222	538	5	272 202	70	
						198						202	
4	89	092	390	5	125 53	72	235	440	536	5	271 199	72	
						270						274	
5	104	724	405	5	136 72	64	133	222	434	5	163 103	60	
						334						334	
6	111	320	412	5	144 78	66	154	552	455	5	181 122	64	
	+ 493	851				~~404~~	1243	726			398	398	
BM 60-40						410	493	851			410	~~400~~	BM 60-40
							749	875			808	798	San Fernando Rd 1/8 mi S'ly from Saugus
													FB 2839-31

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line. RERUN

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
BM 60-40	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 60-40 TO BM 60-39
1	150	523	451	5	180 120	60	120	157	421	5	149 91	58	BM 60-40
													San Fernando Rd 1/8 mi S'ly from
2	150	668	451	5	180 120	60	95	438	396	5	126 64	62	Saugus
						120						120	FB 2839-31
3	194	363	495	5	223 165	58	94	822	395	5	121 67	54	
						178						174	⊼ Anderson (RERUN)
4	199	805	500	5	227 171	56	67	328	368	5	95 ~~85~~ 39	56 ~~46~~	
						234						230	
5	196	132	497	5	225 167	58	87	600	388	5	112 62	50	
						292						280	
6	224	670	525	5	250 198	52	59	082	360	5	90 28	62	
						344						342	
7	184	550	485	5	204 164	40	84	300	385	5	103 65	38	
						384						380	
8	176	237	477	5	187 165	22	118	502	419	5	130 106	24	
+	1476	948 ✓				406	727	229 ✓				404	BM 60-39
BM 60-39 -	727	229										406	San Fernando Rd @ Bridge # 53-14
+	749	719 ✓										810	FB 2839-30

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T=80

SURVEY BY Randall WEATHER Windy & Clear INST. NO. 75234

NOTES BY Miyahira DATE 15 March '71 TIME 1415 ROD NO. 1713 A.B.

INDEXED G.J. GALE DATE MAR 30 '71 NOTES CHKD RCB DATE 30-3-71

F.B. 4110 PG. 143

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
BM 60-39	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 60-39 TO BM 60-40
1	54	057	355	5	82 / 26	56	194	826	495	5	221 / 167	54	BM 60-39
													San Fernando Rd @ Bridge #53-14
2	28	198	329	5	(½) 63 / 28	70	288	050	589	5	(½) 288 / 250	76	FB 2839-30
						126						130	
3	125	554	426	5	153 / 97	56	208	867	509	5	237 / 179	58	π Anderson Rerun
						182						188	
4	84	532	385	5	118 / 50	68	212	012	513	5	248 / 176	72	
						250						260	
5	86	245	387	5	114 / 58	56	166	942	467	5	191 / 141	50	
						306						310	
6	120	722	421	5	148 / 92	56	158	435	459	5	186 / 130	56	
						362						366	
7	117	733	418	5	132 / 102	30	143	948	444	5	156 / 130	26	
						392						392	
8	138	970	439	5	142 / 134	8	132	830	433	5	136 / 128	8	
+	756	011	✓		↘	400	-1505	910	✓		↘	400	
BM 60-40							-756	011				400	BM 60-40
							-749	899	✓		↘	800	San Fernando Rd ⅛ mi S'ly from Saugus
													FB 2839-31

F.B. 4110 PG. 144 JOB NO. 030102 T=74

SURVEY OF L A Co Precise Level Net Earthquake Study

SURVEY BY Randall NOTES Miyahira 15 Mar 71

INDEXED G. J. GALLI DATE

WEATHER Windy & Clear INST. NO. 7523

TIME 1330 ROD NO. 1713A

NOTES CHKD RCB DATE 30-3-71

76P526B CE # 308 8/68

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 60-~~30~~ 39													FROM BM 60-~~39~~ 39 TO BM 60-38
1	150	624	451	5	162 138	24	164	638	465	5	176 152	24	BM 60-~~30~~ 39
													San Fernando Rd @ Bridge #53-14
2	243	002	544	5	276 210	66	123	576	424	5	157 89	68	FB 2839-30
						90						92	
3	193	097	494	5	223 163	60	73	082	374	5	105 41	64	
						150						156	⊼ Anderson
4	180	362	481	5	213 147	66	94	861	395	5	124 64	60 ~~60~~	
						216						216	
5	202	203	503	5	235 169	66	16	022	317	5	49 16	66	
						282						282	
6	224	028	525	5	257 191	66	22	291	323	5	55 22	66	
						348						348	
7	249	877 ~~833~~	550	5	280 218	62 ~~72~~	39	178	340	5	73 5	68	
						410						416	
8	295 ~~285~~	251	596	5	(½) 295 265	60	12	810	313	5	(½) 40 12	56	
						470						472	
9	194	458	495	5	213 175	38	97	793	398	5	116 ~~118~~ 78	38	
						508						~~580~~ 510	
10	140	075	441	5	157 123	34	142	437	443	5	158 126	32	
	+2072	977 ✓				542	-786	688 ✓				542 ✓	
BM 60-38	-786	688										542	BM 60-38
	+1286	289 ✓										1084	San Fernando Rd @ 12th St. Bridge
													FB 2839-29

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

SURVEY BY Randall

WEATHER Clear Light Breeze

NOTES BY Miyahira DATE 9 Mar '71 TIME 1405 ROD NO. 1713A-B

INDEXED C. J. GALLO DATE MAR 30 '71 NOTES CHKD RCB DATE 30-3-71

F.B. 4110 PG. 145

315

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
BM 60-38	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 60-38 TO BM 60-39
1	105	010	406	5	142 / 68	74	224	912	525	5	260 / 188	72	BM 60-38
													San Fernando Rd. @ 12th St. Bridge
2	45	113	346	5	79 / 11	68	255	741	556	5	281 / 221	60	FB 2839-29
						142						132	
3	15	812	316	5	(½) 46 / 15	62	299	892	600	5	(½) 299 / 266	66	⊼ Anderson
						204						198	
4	12	072	313	5	(½) 45 / 12	66	258	482	559	5	293 / 223	70	
						270						268	
5	49	170	350	5	82 / 16	66	172	212	473	5	206 / 138	68	
						336						336	
6	61	788	362	5	93 / 29	64	180	497	481	5	212 / 148	64	
						400						400	
7	45	618	346	5	65 / 25	40	170	675	471	5	192 / 148	44	
						440						444	
8	141	972	442	5	179 / 103	76	199	027	500	5	236 / 162	74	
						516						518	
9	118	100	419	5	127 / 109	18	119	438	420	5	128 / 110	18	
+	594	655	✓			534	1880	876	✓			536 ✓	
BM 60-39							594	655				534	BM 60-39
							1286	221 ✓				1070	San Fernando Rd @ Bridge # 53-14
													FB 2839-30

T = 68

SURVEY OF LAC. Precise Level Net Earthquake Study

SURVEY BY Randall NOTES Miyahira 15 Mar. '71

INDEXED G. J. GALLI DATE

JOB NO. 0301.02

WEATHER Calm & Clear INST. NO. 7523

TIME 0935 ROD NO. 1713A

NOTES CHKD RCB DATE 30-3-71

76P526B CE # 308 8/68

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 60-38													FROM BM 60-38 TO BM 203-24
1	242	535	543	5	263 221	42	168	883	469	5	190 146	44	BM 60-38
													San Fernando Rd @ 12th St. Bridge
2	59	715	360	5	84 34	50	128	267	429	5	152 104	48	FB 2839-29
						92						92	
3	243	800	544	5	261 225	36	29	515	330	5	47 11	36	
						128						128	⊼ Miyahira
4	299	391	600	5	1/2) 299 262	74	52	523	353	5	89 15	74	
						202						202	
5	148	021	449	5	158 ~~148~~ 138	20	147	333	448	5	157 137	20	
	+993	462 ✓				222	-526	521 ✓				222	
	-526	521										222	BM 203-24
BM 203-24	+466	941 ✓										444	Placerita Cyn. Rd. 0.4 East
													S.P.R.R. &
													F.B. 3719-101

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

SURVEY BY Randall

NOTES BY Rodriguez DATE 10 Mar/71 WEATHER Overcast INST. NO 75234

INDEXED G. J. GA[redacted] DATE MAR 30 '71 TIME ROD NO 1713 A-4

NOTES CHKD RCB DATE 30-3-71

F.B. 4110 PG. 147

T-48

199

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
~~BM 203-24~~													FROM BM 203-24 TO BM 60-38
X	~~151~~	~~593~~	~~452~~	~~5~~	160 142	~~18~~	~~153~~	~~727~~	~~454~~	~~5~~	162 144	~~18~~	BM 203-24
													Placerita Cyn Rd. 0.4 East of
BM 203-24 X				~~5~~						~~5~~			S.P.R.R. ℄
1.	151	633	452	5	161 141	20	153	777	454	5	162 144	18	F.B 3719-101
2.	92	063	393	5	114 70	44	203	963	504	5	226 180	46	⊼ Miyahira
						64						64	
3.	47	221	348	5	68 26	42	251	740	552	5	271 231	40	
						106						104	
4	8	265	309	5	1/2) 30 8	44	215	157	516	5	238 192	46	
						150						150	
5	236	180	537	5	255 217	38	91	089	392	5	110 72	38	
						188						188	
6	154	899	455	5	172 136	36	241	650	5 442	5	258 224	34	
+	690	261 ✓			✓	224	1157	376 ✓			✓	222	
BM 60-38							690	261				224	BM 60-38
							467	115 ✓			✓	446	San Fernando Rd @ 12th St
													bridge
													F.B 2839-29

T=62°

WEATHER Clear INST. NO. 75234

TIME 0:9:00 ROD NO. 17BAB

NOTES CHKD RCB DATE 30-3-71

F.B. 4110 PG. 148 JOB NO. 0301.02

SURVEY OF

SURVEY BY Randall NOTES Rodriguez 15 Mar 71

INDEXED G.J. GALLI DATE

76P526B CE # 308 8/68

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

SURVEY BY Rodriguez Randall DATE 10 MAR 71 WEATHER overcast INST. NO. 75239

NOTES BY G. J. GALLI TIME 0:10:00 ROD NO. 171344

INDEXED DATE MAR 30 71 NOTES CHKD RCB DATE 30-3-71

T=48° F.B. 4110 PG. 149

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 203-24													FROM BM 203-24 TO BM 203-24A.
1	206	179	507	5	215 197	18	133	789	434	5	182 124	18	BM 203-24
												18	Placerita Cyn Rd O.& E.
	206	179					133	789				36	of T.R.R. &
	133	789											F.B. 3719-101
+	72	390 ✓											
B.M. 203-24A													T. Miyahira
													BM 203-24A
													Placerita Cyn. Rd. O.& East
													of S.P.R.R. So. side
		RERUN											F.B. 3719-102
BM 203-24													BM 203-24
1	211	083	512	5	220 202	18	138	783	439	5	149 129	18	See desc. above
												18	
+	211	083					138	783				36 ✓	
	138	783											
	72	300 ✓											

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F.B. 4110 PG. 150 | JOB NO. 0301.02 | SURVEY OF L.A.C. Precise Level Net Earthquake Study | SURVEY BY Rendall | NOTES Rodriguez 15 Mar 71 | INDEXED B.L. GALLI | DATE

INST. NO. 73234 | ROD NO. 1713A | DATE 10-3-71 | WEATHER Clear | TIME 0:8:45 | NOTES CHKD RCB

F = 64"

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 203-24A													FROM BM 203-24A TO BM 203-24
1	142	170	443	5	1st 1383	18	214	443	515	5	223 205	18	BM 203-24A
												18	Placerita Cyn Rd, 0.4 East
+	142	170					214	443				36	of S.P.R.R. & So. Side
							142	170					F.B. 3719-102
							-72	273 ✓					
													T. Miyahira
													BM 203-24
													Placerita Cyn Rd 0.4 East
													of S.P.R.R. &
													F.B. 3719-101

76P526B CE # 308 8/68

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
BM 203-24A									FROM BM 203-24A TO BM 203-23
1.	197	615	498 5	227 167 60	52	459	353 5	78 26 52	BM 203-24A.
									Placerita Cyn Rd. 0.4 So. of
2.	233	507	534 5	264 202 62	21	690	372 5	108 34 74	S.P.R.R.
				122				126	E.B. 3719-102
3.	220	381	521 5	252 188 64	148	191	449 5	178 118 60	
				186				186	⊼ Miyahira
4	94	983	395 5	105 83 22	207	573	508 5	218 196 22	
				208				208	
5	167	153	468 5	198 136 62	57	577	358 5	88 26 62	
				270				270	
6	243	680	544 5	275 211 64	47	373	348 5	77 17 60	
				334				330	
7	143	023	444 5	153 133 20	72	213	373 5	84 60 24	
				354				354	
8	132	640	433 5	138 126 12	153	209	454 5	158 148 10	BM 203-23
	+ 1432	982 ✓		✓ 366	810	285 ✓		✓ 364	Placerita Cyn Rd @ Quigley Cyn
	- 810	285						366	Rd. & INT.
	+ 622	697 ✓						✓ 730	E.B. 3719-99
B.M. 203-23									

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

SURVEY BY Randall WEATHER overcast INST. NO 75234

NOTES BY Rodriguez DATE 10 Mar 71 TIME 0:10:00 ROD NO 1713AB

INDEXED B. J. GALLI DATE 30 [illegible] NOTES CHKD RCB DATE 30-3-71

F.B. 4110 PG. 151

T=48°

256

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
B.M. 203-23	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 203-23 TO B.M. 203-24A
1	71	393	372	5	98 44	54	219	719	520	5	247 191	56	B.M. 203-23
													Placerita Cyn. Rd. @ Quigley Cyn. Rd.
2	53	645	354	5	84 22	62	241	289	542	5	273 209	64	F.B. 3719-99
						116						120	⊼ Miyahira
3	90	440	391	5	105 75	30	120	227	421	5	238 102	36	
						146						156	
4	240	665	541	5	258 222	36	101	255	402	5	116 86	30	
						182						186	
5	110	265	411	5	136 84	52	205	083	506	5	232 178	54	
						234						240	
6	86	217	387	5	117 55	62	225	855	526	5	254 196	58	
						296						298	
7	54	479	355	5	80 28	52	222	597	523	5	248 196	52	
						348						350	
8	147	585	448	5	153 141	12	141	531	442	5	147 135	12	B.M. 203-24A
+	854	689	✓			✓360	1477	556	✓			✓362	Placerita Cyn. Rd. @ Aden Way
							+854	689				360	F.B. 3719-102
B.M. 203-24A							622	867	✓			✓722	

F.B. 4110 PG. 152 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net Earthquake Study

SURVEY BY Rondon NOTES SGR 12-Mar-71

INDEXED G. J. GALLI DATE

WEATHER overcast Calm INST. NO. 7523

TIME 14:50 ROD NO. 1713-A

NOTES CHKD RCB DATE 30-3-71

T = 580

76P526B CE # 308 8/68

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

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

SURVEY BY Randall WEATHER Overcast INST. NO 75234

NOTES BY Rodriguez DATE 10 MAR 71 TIME 0:10:45 ROD NO 1713AA

INDEXED B. J. GALLI DATE MAR 30 71 NOTES CHKD DCB DATE 30-3-71

T = 48°

F.B. 4110 PG. 153

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
M 203-23									FROM BM 203-23 TO BM 203-23A
									BM 203-23
									Placerita Cyn Rd @ Quigley Cyn
1.	142	029	443 5	147 137 10	145	520	446 5	150 140 10	Rd. ℄ INT
								10	F.B. 3719-99
	142	029			145	520		20	
					142	029			⊼ Miyahira
					3	491 ✓			
M 203-23A									BM 203-23A.
									Placerita Cyn Rd. @ Quigley
									Cyn Rd. N.W. Cor.
									F.B. 3719-100

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

INST. NO. 75233 ROD NO. 1713AB DATE 30-3-7

WEATHER Overcast-Cool TIME 14:45 NOTES CHKD RCB

T= 580

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
B.M. 203-23A	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 203-23A TO B.M. 203-23
													B.M. 203-23A
													Placerita Cyn. Rd. @ Quigley Cyn. Rd.
													F.B. 3719-100
1	150	673	451	5	160 140	20	147	145	448	5	185 139	16	T Miyahira
B.M. 203-23 +	150	673					147	145				16	B.M. 203-23
	- 147	145										20	Placerita Cyn. Rd. @ Quigley Cyn. Rd.
+	-3	528	✓								✓	36	F.B. 3719-99

F.B. 4110 PG. 154 JOB NO. 0301.02

SURVEY OF L.A.Co. Precise Level Net Earthquake study

SURVEY BY Randall NOTES SGR 12-Mar-71

INDEXED [redacted] GALL DATE

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
B.M.203-23A													FROM B.M.203-23A TO B.M.203-22A
1	216	902	517	5	238 / 194	44	121	072	422	5	142 / 100	42	B.M.203-23A
					204						104		Placerita Cyn. @ Quigley Cyn. Rd. N.W.
2	176	909	477	5	148	56	80	762	381	5	56	48	F.B. 3719-100
					299	100					124	90	
3	268	240	569	5	237	62	89	762	390	5	54	70	⊼ Rodriquez
					272	162					121	160	
4	242	142	543	5	212	60	91	898	392	5	61	60	
					271	222					104	220	
5	271	809	572	5	230 ½	82	66	150	367	5	28	76	
					237	304					85	296	
6	212	570	513	5	187	50	56	080	357	5	27	58	
					154	354					160	354	
7	149	390	450	5	144	10	155	138	456	5	150	10	
	+1537	962 ✓			✓	364	-660	862 ✓			✓	364	
B.M.203-22A	-660	862										364	B.M.203-22A
	+877	100 ✓									✓	728	PLACERITA CYN. RD. @ MELODY RANCH
													F.B. 3719-98

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

SURVEY BY J. RANDALL

NOTES BY R. ANDERSON DATE 10-MAR-'71

INDEXED G. J. GALLI DATE MAR 30 '71

WEATHER CLEAR & CALM INST. NO. 75234

TIME 11:00 ROD NO. 1713A

NOTES CHKD RCB DATE 30-3-71

T = 62°

F.B. 4110 PG. 155

256

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LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
B.M.203-22A	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M.203-22A TO B.M.203-23A
1	67	960	368	5	86 48	38	182	290	483	5	204 160	44	B.M.203-22A
													Placerita Cyn. Rd. @ Melody Ranch
2	41	860	342	5	76 6	70	201	255	502	5	232 170	62	F.B. 3719-98
						108						106	
3	48	668	349	5	83 13	70	221	929	522	5	255 187	68	⊼ Anderson
						178						174	
4	30	713	331	5	68 ½) 30	76	231	258	532	5	270 192	78	78
						254						252	
5	9	680	310	5	48 ½) 9	74	160	650	461	5	197 123	74	
						328						326	
6	91	616	392	5	105 77	28	170	423	471	5	184 156	28	B.M.203-23A
+	290	497	✓			✓ 356	1167	805	✓			✓ 354	Placerita Cyn. Rd. @ Quigley Cyn. Rd.
							290	497				356	F.B. 3719-100
B.M.203-23A							877	308	✓			✓ 710	

T=620

WEATHER overcast-Calm INST. NO. 75234

TIME 14:05 ROD NO. 1713A-E

NOTES CHKD RCB DATE 30-3-71

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net Earthquake Study

SURVEY BY Randall NOTES J.G.R. 12-Mar-71

INDEXED [illegible] GALLI DATE

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
B.M.203-22A									FROM B.M.203-22A TO B.M.203-21A
				276				95	B.M. 203-22 A
1	249	911	550 5	222 54	68	039	369 5	41 54	PLACERITA CYN. RD. & MELODY
	226			257				127	RANCH
2	~~227~~	981	527 5	195 62	94	650	395 5	61 66	F.B 3719-98
				245 116				114 120	
3	215	712	516 5	185 60	87	759	388 5	60 54	
				256 176				95 174	T = RODRIGUEZ
4	221	572	522 5	186 70	60	632	361 5	25 70	
				272 246				90 244	
5	272	040	573 5	238 (1/2) 68	55	288	356 5	20 70	
				206 314				145 314	
6	191	158	492 5	176 30	130	259	431 5	115 30	
	+1377	374 ✓		✓ 344	496	627 ✓		✓ 344	
B.M.203-21A	496	627						344	B.M. 203 - 21 A
	+ 880	747 ✓						✓ 688	Placerita Cyn. Rd.
									F.B. 3719 - 96

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

SURVEY BY V. KANDAKA

NOTES BY R. ANDERSON DATE 10 - MAR. '71

INDEXED J. GALLI DATE MAR 30 71

WEATHER CLOUDY & CALM

TIME 11:30

NOTES CHKD RCB

INST. NO. 7523

ROD NO. 1713A

DATE 30-3-71

T = 620

F.B. 4110 PG. 157

249

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
B.M.203-21A	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M.203-21A TO B.M.203-22A
1	28	270	329	5	½) 56 28	56	175	857	476	5	221 149	52	B.M.203-21A
													Placerita Cyn. Rd.
2	11	646	312	5	½) 46 11	70	215	010	516	5	249 181	68	F.B. 3719-96
						126						120	
3	46	960	347	5	84 8	76	255	272	556	5	298 212	86	⊼ Anderson
						202						206	
4	87	045	388	5	129 45	84	248	257	549	5	288 208	80	
						286						286	
5	31	028	332	5	46 16	30	133	812	434	5	148 118	30	
						316						316	
6	96	458	397	5	105 87	18	153	940	454	5	162 144	18	B.M.203-22A
+	301	407	✓			~334	1182	148	✓			334	Placerita Cyn. Rd. @ Melody Ranch
B.M.203-22A							+ 301	407				334	F.B. 3719-98
							880	741	✓			↘ 668	

7 = 60°

WEATHER Overcast-Calm INST. NO. 75234

TIME 13:30 ROD NO. 1713AB

NOTES CHKD DCB DATE 30-3-71

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Not Earthquake Study

SURVEY BY Randall NOTES SGR 12-Mar-71

INDEXED [illegible] GALLI DATE

76P526B CE # 308 8/68

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
B.M.203-21A	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M.203-21A TO B.M.203-21
					247						135		B.M.203-21A
1	216	462	517	5	185	62	105	371	406	5	75	60	PLACERITA CYN. RD.
					226						112		F.B. 3719-96
2	201	451	502	5	176	50	87	912	388	5	62	50	
					124	112					186	110	⊼ RODRIGUEZ
3	119	270	420	5	114	10	181	720	482	5	176	10	
	+537	183	✓		↘	122	-375	003	✓		↘	120	
	-375	003										122	
B.M.203-21	+162	180	✓								↘	242	B.M.203-21
													PLACERITA CYN. RD. & DUDLEY
													LANE AT P.I.
													F.B. 3719-95

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

SURVEY BY J. RANDALL

NOTES BY R. ANDERSON DATE 10-MAR. '71

INDEXED C. J. GALLI DATE MAR 30 '71

WEATHER CLOUDY & CALM

TIME 13:30

NOTES CHKD RCB

INST. NO. 75234

ROD NO. 1713A-B

DATE 30-3-71

T = 68°

F.B. 4110 PG. 159

PLEASE RETURN TO

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M.203-21 TO B.M.203-21A
B.M.203-21													
1	133	443	434	5	161 105	56	184	530	485	5	214 154	60	B.M.203-21
													Placerita Cyn. Rd. @ Dudley Lane
2	80	002	381	5	115 45	70	191	152	492	5	219 163	56	F.B. 3719-95
+	213	445 ✓			✓	126	~~376~~				✓	116	⊼ Anderson
B.M.203-21A							375	682 ✓				126	
							213	445			✓	242	B.M.203-21A
							162	237 ✓					Placerita Cyn. Rd.
													F.B. 3719-96

F.B. 4110 PG. 160 JOB NO. 0020.05 0301.02

SURVEY OF L.A.Co. Precise Level Net Earthquake Study

SURVEY BY Randall NOTES JGR 12-Mar-'71

INDEXED J. GALLI DATE

WEATHER overcast-Lt. Brz INST. NO 75234

TIME 13:20 ROD NO. 713A.B

NOTES CHKD RCB DATE 30-3-71

T=600

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
B.M 203-21													FROM B.M.203-21 TO B.M.203-19
					273						114		B.M. 203-21
1	251	670	552	5	229	44	94	792	395	5	74	40	PLACERITA CYN. RD. & DUDLEY LN
					250						94		F.B. 3719-95
2	223	788	524	5	196	54	62	909	363	5	30	64	
					230	98					126	104	
3	212	438	513	5	194	36	110	198	411	5	94	32	⊼ Rodriguez
					230	134					110	136	
4	208	189	509	5	186	44	89	070	390	5	68	42	
+	896	085 ✓			✓	178	356	969 ✓			✓	178	
B.M. 203-19	-356	969										178	B.M. 203-19
+	539	116 ✓									✓	356	PLACERITA CYN RD @ AQUEDUCT
													X ING
													F.B. 3719-93

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

SURVEY BY J. RANDALL

NOTES BY R. ANDERSON DATE 10-MAR.'71

INDEXED G. J. GALLI DATE MAR 30 '71

WEATHER CLOUDY & CALM

TIME 13:45

NOTES CHKD RCB

INST. NO. 75 23

ROD NO. 1713 #4

DATE 30-3-71

T=68°

F.B. 4110 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.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
B.M. 203-19	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 203-19 TO B.M. 203-21
1	104	630	405	5	134 74	60	246	998	547	5	276 216	60	B.M. 203-19
													Placerita Cyn. Rd. @ Aqueduct X-ing
2	37	647 ~~278~~	338	5	63 11	52	182	437	483	5	206 158	48	F.B. 3719-93
						112						108	
3	65	820	366	5	90 40	50	201	229	502	5	226 176	50	X Anderson
						162						158	
4	103	323	404	5	116 90	26	219	932	520	5	234 204	30	
+	311	420 ✓			✓	188	850	596 ✓			✓	188	B.M. 203-19
B.M. 203-19							311	420				188	Placerita Cyn. Rd. @ Dudley Lane
							539	176 ✓			✓	376	F.B. 3719-93

T=580

WEATHER overcast-Calm INST. NO. 7523

TIME 11:40 ROD NO. 1713 A

NOTES CHKD RCB DATE 30-3-71

JOB NO. 5301.02

SURVEY OF L.A. Co. Precise Level Not Earthquake Study

SURVEY BY NOTES

INDEXED G. L. GALLI DATE

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY Randall NOTES BY Miyabira DATE 10 March '71 WEATHER Calm & Clear INST. NO. 75234

INDEXED G. J. GALLI DATE MAR 30 '71 NOTES CHKD RCB DATE 30-3-71 ROD NO. 1713 A

F.B. 4110 PG. 163

STATION	BACKSIGHT Right	Mic.	Left.		Stadia		FORESIGHT Right	Mic.	Left.		Stadia		DESCRIPTION AND REMARKS
BM 203-19													FROM BM 203-19 TO BM 203-18A
1	84	931	385	5	106 62	44	131	870	432	5	153 109	44	BM 203-19
													Placerita Cyn Rd @ Aqueduct X-ing
2	173	152	474	5	193 153	40	60	442	361	5	81 39	42	FB 3719-93
						84						86	
3	183	387	484	5	192 174	18	55	326	356	5	65 45	20	π Anderson
						102						106	
4	255	609	556	5	266 244	22	22	222	323	5	32 12	20	
						124						126	
5	264	919	565	5	273 255	18	14	322	315	5	23 5	18	
						132						134	
6	272	520	573	5	280 264	16	12	623	313	5	20 4	16	
						148						150	
7	252	898	553	5	260 244	16	30	260	331	5	38 22	16	
						164						166	
8	247	450	548	5	255 239	16	31	191	332	5	40 22	18	
						180						184	
9	251	327	552	5	260 242	18	33	122	334	5	40 26	14	
						198						198	
10	248	818	549	5	257 239	18	41	883	342	5	50 32	18	
						216						216	
11	287	303	588	5	287 269	36	95	342	396	5	113 77	36	
						252						252	DIFF = +2117.297
12	216	020	517	5	246 186	60	115	160	416	5	145 85	60	
						312						312	
13	131	671	432	5	146 116	30	97	870	398	5	111 83	28	
						342						340	
14	127	163	428	5	133 121	12	138	238	439	5	146 131	14	BM 203-18A
	+ 2997	168				~~354~~	879	871			~~364~~	~~354~~	Placerita Cyn Rd E'ly A.V. Freeway
	- 879	871				~~364~~					~~364~~	~~354~~	
BM 203-18A	2117	297										700	FB 3719-93 253-256

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Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
B.M.203-18A													FROM B.M.203-18A TO B.M.203-19
1	114	875	415	5	151 77	74	163	148	464	5	201 125	76	B.M.203-18A
													Placerita Cyn. Rd. East of A.V. Fwy.
2	81	679	382	5	108 54	54	286	068	587	5	½) 286 258	56	F.B. 3719-92
						128						132	
3	10	450	311	5	½) 23 10	26	235	652	536	5	247 223	24	⊼ Anderson
						154						156	
4	29	833	330	5	42 16	26	283	110	584	5	296 270	26	
						180						182	
5	21	884	322	5	31 11	20	253	116	554	5	263 243	20	
						200						202	
6	15	192	316	5	24 6	18	279	592	580	5	288 270	18	
						218						220	
7	14	742	315	5	22 6	16	276	128	577	5	284 268	16	
						234						236	
8	26	131	327	5	34 18	16	243	308	544	5	251 235	16	
						250						252	
9	27	410	328	5	36 18	18	213	463	514	5	221 205	16	
						268						268	
10	18	322	319	5	30 6	24	186	960	487	5	201 171	30	
						292						298	
11	97	648	398	5	111 83	28	168	738	469	5	178 158	20	
						320						318	
12	96	878	397	5	112 80	32	83	058	384	5	100 66	34	B.M.203-19
+	555	044	✓		✓	352	2672	341	✓		✓	352	Placerita Cyn. Rd. @ Aqueduct Xing
B.M.203-19							+ 555	044				352	F.B. 3719-93
							2117	297	✓		✓	704	

F.B. 4110 PG. 164 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net Earthquake Study

SURVEY BY Randall NOTES J.G.R. 12-Mar-71

INDEXED G. J. GALLI DATE

WEATHER overcast Lt. Brz INST. NO. 75234

TIME 10:45 ROD NO. 1713AE

NOTES CHKD RCB DATE 30-3-71

T = 580

76P526B CE # 308 8/68

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Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T=60

SURVEY BY Randall NOTES BY Miyahira DATE 11 March '71 WEATHER Calm & Clear INST. NO. 75234

INDEXED G. J. GALLI DATE MAR 30 '71 NOTES CHKD RCB DATE 20-3-71 ROD NO. 1713 A-B

F.B. 4110 PG. 165

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
M 203-18A													FROM 203-18A TO 203-17
1	144	933	445	5	172 / 116	56	110	620	411	5	139 / 81	58	BM 203-18A
													Placerita Cyn Rd E'ly Antelope Valley Fwy
2	264	171	565	5	300 / 228	72	10	448	311	5	(1) 46 (2) 10	72	FB 3719-92
						128						130	
3	294	652	595	5	(1) 294 (2) 270	48	63	360	364	5	88 / 38	50	X Anderson
						176						180	
4	298	115	599	5	(1) 298 (2) 277	42	114	972	415	5	134 / 94	40	
						218						220	
5	98	702	399	5	116 / 80	36	214	262	515	5	231 / 177	34	
						254						254	
6	160	063	461	5	162 / 158	4	83	958	384	5	85 / 81	4	
	+1260	636	✓		✓	258	-597	620	✓		✓	258	
M 203-17	-597	620										258	BM 203-17
	+663	016	✓								✓	516	Placerita Cyn Rd 0.5 mi E'ly Sierra Hwy
													FB 3719-89

216

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Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M.203-17 TO B.M.203-18A
B.M.203-17													
1	116	480	417	5	124 108	16	111	320	412	5	118 104	14	B.M.203-17
													Placerita Cyn. Rd. 0.5 mi. East of Sierra Hi
2	156	415	457	5	192 120	72	296	492	597	5	296 ½ 261	70	F.B. 3719-89
						88						84	
3	22	282	323	5	42 2	40	274	884	575	5	296 252	44	⊼ Anderson
						128						128	
4	47	578	348	5	70 24	46	251	638	552	5	276 226	50	
						174						178	
5	93	348	394	5	118 68	50	156	818	457	5	178 134	44	
						224						222	
6	119	490	420	5	134 104	30	127	239	428	5	141 113	28	
	+555	593 ✓			✓	254	-1218	391 ✓			✓	250	B.M.203-18A
							+555	593				254	Placerita Cyn. Rd. E. of A.V. Fwy.
B.M.203-18A							-662	798 ✓			✓	504	F.B. 3719-92

T=520

WEATHER overcast-Calm INST. NO. 75230

TIME 10:20 ROD NO. 1713AB

NOTES CHKD RCB DATE 30-3-71

F.B. 4110 PG. 164 JOB NO. 0301.02

SURVEY OF L.A.C. Precise Level Net Earthquake Study

SURVEY BY Randall NOTES J.G.R. 12-Mar-71

INDEXED G. J. GALLI DATE

76P526B CE # 308 8/68

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line. RERUN

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
BM 203-18A	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM ~~BM 203-18A~~ TO ~~BM 203-17~~
1	143	752	444	5	169 / 117	52	116	628	417	5	142 / 90	52	BM 203-18A
													Placerita Cyn Rd E'ly of
2	218	303	519	5	253 / 183	70	78	323	379	5	113 / 43	70	Antelope Vally Fwy
						122						122	FB 3719-92
3	270	866	571	5	287 / 253	34	31	238	332	5	49 / 13	36	
						156						158	⊼ Anderson (RERUN)
4	260	637	561	5	279 / 241	38	52	467	353	5	72 / 32	40	
						194						198	
5	165	072	466	5	185 / 145	40	158	145	459	5	176 / 140	36	
						234						234	
6	121	592	422	5	128 / 114 / 14	14	80	751	381	5	88 / 72	16	
+	1180	222 ✓			✓	248	517	552 ✓			✓	250	
BM 203-17 -	517	552										248	BM 203-17
+	662	670 ✓									✓	498	~~Ante~~ Placerita Cyn Rd 0.5 mi
													E'ly Sierra Hwy.
													FB 3719-89

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

SURVEY BY Randall WEATHER ~~Gatts~~ Calm & Clear INST. NO. 75234

NOTES BY Miyahira DATE 16 March '71 TIME 0900 ROD NO. 1713 A.B.

INDEXED B. J. GALLI DATE 30 71 NOTES CHKD RCB DATE 30-3-71

F.B. 4110 PG. 167

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

RERUN

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
BM 203-17	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 203-17 TO BM 203-18A
1	91	012	392	5	102 80	22	117	718	418	5	128 106	22	BM 203-17
													Placerita Cyn Rd 0.5 mi. E'ly
2	126	222	427	5	154 98	56	~~237~~	~~600~~	~~538~~	~~5~~	~~260 214~~	~~46~~	Sierra Hwy
						78	256	340	557		293 229	54	FB 3719-89
3	39	832	340	5	54 24	30	235	893	536	5	250 220	76 30	
						108						106	⊼ Anderson (Rerun)
4	14	154	315	5	(1) (2) 31 14	34	236	462	537	5	253 219	34	
						142						140	
5	118	780	419	5	148 88	60	185	715	486	5	214 156	58	
						202						198	
6	119	920	420	5	141 97	44	140	760	441	5	165 115	50	
+	509	920 ✓			✓	246	1172	888 ✓			✓	248	
BM 203-18A							+ 509	920				246	BM 203-18A
							662	968 ✓				~~54~~	Placerita Cyn Rd E'ly ~~E~~ from
											✓	494	Antelope Valley Fwy
													FB 3719-92

T=72

WEATHER Calm & Clear INST. NO. 7523

TIME 0945 ROD NO. 1713A

NOTES CHKD RCB DATE 30-3-71

JOB NO. 0301.02

SURVEY OF LA Co Precise Level Net

SURVEY BY Randall NOTES Miyahira 16 Mar '71

INDEXED G. J. GALLI DATE

F.B. 4110 PG. 168

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY Randall WEATHER Calm & Clear INST. NO. 75234

NOTES BY Miyahira DATE 11 March TIME 0950 ROD NO. 1713A-B

INDEXED J. GALLI DATE MAR 30 71 NOTES CHKD RCB DATE 30-3-71

F.B. 4110 PG. 169

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 203-17													FROM BM 203-17 TO ~~BM 203-16~~ TBM #1
1	27	110	328	5	39 / 15	24	~~171~~	~~730~~	~~472~~	~~5~~	~~183 / 153~~	~~36~~	BM 203-17
							170	408	471	5	183 / 157	~~26~~ ~~24~~	Placerita Cyn Rd 0.5 mi E'ly ~~Sierra~~ Sierra Hwy
2	151	778	452	5	173 / 129	44	30	783	331	5	52 / 8	26 / 44	FB 3719-89
						68						70	
3	223	433	524	5	236 / 210	26	14	360	315	5	27 / 1	26	⊼ Anderson
						94						96	
4	260	533	561	5	270 / 250	20	10	783	311	5	19 / 1	18	
						114						114	
5	243	338	544	5	250 / 236	14	18	835	319	5	25 / 11	14	
						128						128	
6	257	118	~~588~~ 558	5	266 / 248	16	21	508	322	5	30 / 12	18	
						144						146	
7	278	512	579	5	289 / 267	22	14	188	315	5	24 / 4	20	
						166						166	
8	282	262	583	5	293 / 271	22	21	240	322	5	30 / 12	18	
						188						184	
9	272	600	573	5	281 / 263	18	12	503	313	5	21 / 3	18	
						206						202	
10	256	664	557	5	265 / 247	18	13	472	314	5	22 / 4	18	
						224						220	
11	238	275	539	5	246 / 230	16	22	418	323	5	31 / 13	18	
						240						238	
TBM #1	231	157	532	5	237 / 225	12	15	185	316	5	21 / 9	12	TBM #1
	+2722	732 ✓			✓	252	-365	683 ✓			✓	250	Placerita Cyn Rd Spk in PP 138295E
	-365	683										252	
	+2357	049 ✓									✓	502	

212

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Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
T.B.M. No 1	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM T.B.M. No 1 TO B.M. 203-17
1	20	440	321	5	24 16	8	188	477	489	5	192 184	8	T.B.M. No 1
													Placerita Cyn. Rd. Spike in PP
2	11	102	312	5	19 3	16	262	340	563	5	271 253	18	No Ref.
						24						26	
3	29	140	330	5	37 21	16	298	531	599	5	1/2) 298 286	24	⊼ Anderson
						40						50	
4	18	452	319	5	26 10	16	190	022	491	5	194 186	8	
						56						58	
5	16	158	317	5	25 7	18	222	529	523	5	231 213	18	
						74						76	
6	35	882	336	5	44 26	18	271	668	572	5	281 261	20	
						92						96	
7	12	470	313	5	21 3	18	247	370	548	5	255 239	16	
						110						112	
8	15	598	316	5	24 6	18	259	732	560	5	267 251	16	
						128						128	
9	21	189	322	5	29 13	16	276	662	577	5	286 266	20	
						144						148	
10	11	132	312	5	1/2) 23 11	24	261	070	562	5	272 250	22	
						168						~~69~~ 170	
11	17	070	318	5	34 0	34	211	833	512	5	228 194	34	
						202						204	
12	131	792	432	5	156 106	50	7	141	308	5	1/2) 31 7	48	B.M. 203-17
+	340	425	✓		↘	252	2697	375	✓		↘	252	Placerita Cyn. Rd. 0.5 mi. E. of Sierra Hw
B.M. 203-17							+ 340	425				252	F.B. 3719-89
							2356	950	✓		↘	504	

WEATHER overcast - Calm INST. NO 75234

TIME 09:30 ROD NO. 1713A

NOTES CHKD RCB DATE 30-3-71

JOB NO. 030402

SURVEY OF L.A. Co. Precise Level Net Earthquake Study

SURVEY BY Randall NOTES J.G.R. 12-Mar-71

INDEXED J. GALLI DATE

1 = 560

76P526B CE # 308 8/68

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
TBM #1	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM TBM #1 TO BM 203-16
1	260	482	561	5	275 245	30	88	372	389	5	104 72	32	TBM #1
													Placerita Cyn Rd 5pk in AP #138295E
2	264	772	565	5	279 249	30	70	590	371	5	85 55	30	± 285 ft W Golden Oak Ranch
						60						62	
3	250	645	551	5	269 231	38	78	532	379	5	97 59	38	
						98						100	⊼ Anderson
4	251	027	552	5	276 226	50	67	162	368	5	91 43	48	
						148						148	
5	212	508	513	5	231 193	38	76	910	377	5	95 57	38	
						186						186	
6	153	247	454	5	156 150	6	59	381	360	5	62 56	6	
+	1392	681				192	440	947				192	
M203-16	440	947										192	BM 203-16
+	951	734										384	Placerita Cyn Rd 0.6 mi E'ly
													Placerita Park
													FB 3719-87

185

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T= 70

SURVEY BY Randall WEATHER Calm & Clear INST. NO. 75234

NOTES BY Miyabira DATE 11 March '71 TIME 1045 ROD NO. 1713A-B

INDEXED B.J. GALLI DATE MAR 30 71 NOTES CHKD RCB DATE 30-3-71

F.B. 4110 PG. 171

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
B.M.203-16	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M.203-16 TO T.B.M.No 1
1	39	498	340	5	~~48~~ 35	8	154	282	455	5	~~158~~ 150	8	B.M.203-16
													Placerita Cyn. Rd. 0.6 mi. East'ly from Placerita Park
2	56	843	357	5	82 30	52	228	174	529	5	253 203	50	F.B. 3719-87
						60						58	
3	34	957	335	5	60 8	52	264	108	565	5	291 237	54	⊼ Anderson
						112						112	
4	36	019	337	5	57 15	42 ~~45~~	190	860	491	5	211 169	42	
						154						154	
5	54	576	355	5	66 42	24	249	259	550	5	261 237	24	
						178						178	
6	70	455	371	5	76 64	12	157	182	458	5	164 150	14	
						190						192	
T.B.M. No 1 +	292	348 ✓					1243	865 ✓				190	T.B.M. No 1
							292	348				382	Boat Spike in PP
							~~49~~	~~517~~					No Ref.
							951	517 ✓					

T=560

WEATHER overcast-Calm INST. NO. 75234

TIME 09:05 ROD NO. 1713A.B

NOTES CHKD. RCB DATE 30-3-71

F.B. 4110 PG. 172 JOB NO. 0301.02

SURVEY OF L.A.Co. Precise Level Net Earthquake Study

SURVEY BY Randall NOTES JGR 12-Mar-71

INDEXED [redacted] GALLI DATE

76P526B CE # 308 8/68

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
TBM No 1	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM TBM No 1 TO BM 203-16
1	266	723	567	5	282 250	32	76	893	377	5	93 59	34	TBM No 1
						26							
2	230	817	531	5	243 217	~~36~~ ~~4~~	57	303	350	5	71 43	28	⊼ Anderson
						58						62	
3	240	432	541	5	258 222	36	71	212	372	5	90 52	38	
						94						100	
4	284	482	585	5	(1/2) 284 247	74 ~~37~~	27	250	328	5	(1/2) 60 27	66	
						168						166	
5	166	752 ~~55~~	467	5	176 156	20	107	924	408	5	116 98	18	
						188						184	
6	153	225	454	5	155 151	4	50	288	351	5	53 47	6	
+	1342	431 ✓				192	390	870 ✓				190	
BM 203-16 -	390	870										192	BM 203-16
+	951	561 ✓										382	~~San~~ Placerita Cyn Rd 0.6 mi E'ly of
													Placerita Park
													FB 3719-87

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T=72

SURVEY BY Randall WEATHER Calm & Clear INST. NO. 73234

NOTES BY Miyahira DATE 16 March '71 TIME 1030 ROD NO. 1713A-B

INDEXED E.J. GALLI DATE MAR 30 71 NOTES CHKD RCB DATE 30-3-71

F.B. 4110 PG. 173

76P526B CE # 308 8/68

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

SURVEY BY Randall

NOTES BY Rodriguez DATE 11 March 71

INDEXED C. J. GALLI DATE MAR 30 71

WEATHER Calm & Clear INST. NO. 75234

TIME 011.20 ROD NO. 1713 [illegible]

NOTES CHKD RCB DATE 30-3-71

T=66°

F.B. 4110 PG. 175

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 203-16													FROM BM 203-16 TO ~~BM 203-15~~ T.BM #2
1	104	735	405	5	119 89	30	94	980	395	5	109 79	30	BM 203-16
													Placerita Cyn Rd 0.6 m E'ly Placerita
2	240	749	541	5	271 209	62	27	083	328	5	59 ½) 27	64	Park
						92						94	FB 3719-87
3	176	080	477	5	199 153	46	43	915	344	5	64 22	42	
						138						136	↑ Miyahira
4	126	987	427	5	148 104	44	277	807	578	5	300 254	46	
						182						182	
5	11	543	312	5	29 ½) 11	36	276	503	577	5	293 259	34	
						218						216	
6	15	585	316	5	26 4	22	231	363	532	5	244 218	26	
						240						242	
7	64	971	365	5	74 54	20	201	720	502	5	212 190	22	✓
						260						264	
8	15	880	316	5	31 ½) 15	32	243	121	544	5	260 226	34	
						292						298	
9	56	133	357	5	70 42	28	212	630 ~~3~~	513	5	222 202	20	
						320						318	
10	51	331	352	5	68 34	34	234	770	535	5	252 216	36	
						354						354	
11	93	151	394	5	99 87	12	109	725	410	5	115 103	12	
	+ 957	145	✓			366	1953	617	✓			366	
B.M. No 2							+ 957	145				366	
							996	472	✓			732	T.BM #2 set in Power
													Pole, No. side of ST. on
													Placerita Cyn Rd.
													(No. Ref)

251

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LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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F.B. 4110 PG. 176 JOB NO. 0020.05 0301.02

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

SURVEY BY Rancho NOTES Pomona 11 Mar 71

INDEXED G.T. GALL DATE

INST. NO. 75239

ROD NO. 171341

DATE 30-3-71

WEATHER Clear

TIME 14:20

NOTES CHKD. RCB

T-16

STATION	BACKSIGHT RIGHT	MIC.	LEFT.		STADIA		FORESIGHT RIGHT	MIC.	LEFT.		STADIA		DESCRIPTION AND REMARKS
T.BM#2													FROM T.BM#2 TO BM203-16
1	187	615	488	5	294 170	34	57	405	358	5	74 40	34	T.BM#2
2	249	487	550	5	268 230	38	10	217	311	5	30 1½ 10	40	SET IN POWER POLE NO
						72						74	SIDE OF ST. ON
3	258	800	559	5	276 240	36	33	371	334	5	50 16	34	PLACERITA CYN RD.
						108						108	(NO REF.)
4	275	963	576	5	293 257	36	12	101	313	5	38 1½ 12	36	T. MIYAHIRA
						144						144	
5	301	670	602	5	301 1½ 283	36	46	051	347	5	64 28	36	
						180						180	
6	295	875	596	5	295 1½ 280	30	59	723	360	5	75 43	32	
						210						212	
7	117	323	418	5	135 99	36	188	271	489	5	206 170	36	
						246						248	
8	55	335	356	5	78 32	46	272	033	573	5	295 249	46	
						292						294	
9	134	347	435	5	161 107	54	214	065	515	5	238 190	48	
						346						342	
10	115	057	416	5	125 105	20	102	000	403	5	114 90	24	
	+1991	472	✓			~364	-995	237	✓			~366	
	- 995	237										366	
BM 203-16	+ 996	235	✓									~732	BM 203-16

PLACERITA CYN RD 0.6 M EAST OF PLACERITA PARK

F.B. 3719-87

76P526B CE # 308 8/68

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
T.B.M #2	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM T.B.M #2 TO BM 203-15
1.	34	495	335	5	44 24	20	203	405	504	5	213 193	20	T.B.M #2.
													SET BIT-SPK IN POWER POLE NO
2	71	667	372	5	85 57	28	241	423	542	5	256 226	30	side of ST. ON PLACERITA CYN
						48						50	Rd. (No. Ref.)
3	64	563	365	5	76 52	24	200	163	501	5	212 188	24	
						72						74	
4	93	120	394	5	103 83	20	234	183	535	5	243 225	18	⊼ MIYAHIRA
	+263	845	✓		✓	92	879	174	✓		✓	92	
B.M.203-15							+263	845				92	BM 203-15
							-615	329	✓		✓	184	PLACERITA CYN Rd
													WEST of ENT - TO PARK
													F.B 3719-85

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

SURVEY BY Randall WEATHER Clear. INST. NO 25234

NOTES BY RODRIGUEZ DATE 11 March 71 TIME 13:40 ROD NO 1713 AB

INDEXED L.J. GALLI DATE MAR 30 71 NOTES CHKD RCB DATE 30-3-71

T=64°

F.B. 4110 PG. 177

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 203-15 TO T.B.M #2
BM 203-15													
1	234	191	535	5	243 225	18	92	225	393	5	102 82	20	BM 203-15
													Placerita Cyn Rd. West of
2	195	680	496	5	206 184	22	125	787	426	5	137 113	24	Entrance to Park
						40						44	F.B 3719-85
3	269	561	570	5	286 252	34	39	147	340	5	55 23	32	
						74						76	
4	195	761	496	5	203 187	16	22	720	323	5	29 15	14	π Miyahira
	+ 895	193				90	279	879				90	
	- 279	879										90	
	+ 615	314										180	
T.B.M #2													T.B.M #2
													Set in Power Pole along
													Placerita Cyn Rd.
													No, side of St.
													(No, Ref)

T=70°

F.B. 4110 PG. 118 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net Earthquake Study WEATHER Clear INST. NO. 75234

SURVEY BY Randall NOTES Rodriguez 11 Mar 71 TIME 14:00 ROD NO. 113HA

INDEXED G. J. GALLI DATE NOTES CHKD RCB DATE 30-3-71

76P526B CE # 308 8/68

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	MIC.	LEFT.		STADIA		FORESIGHT RIGHT	MIC.	LEFT.		STADIA		DESCRIPTION AND REMARKS
B.M 203-15													FROM B.M. 203-15 TO B.M. 203-14A
1	282	072	583	5	292 / 272	20	84	450	385	5	94 / 74	20	B.M. 203-15
					280						80		PLACERITA CYN. RD., W. OF ENT.
2	269	510	570	5	258	22	68	750	369	5	56	24	TO PARK
					298	42					72	44	F.B. 3719-85
3	289	970	590	5	280	18	63	580	364	5	54	18	
					296	60					35	62	T = RODRIGUEZ
4	284	972	585	5	272	24	24	349	325	5	13	22	
					293	84					33	84	
5	293	980	594	5	280	1/2 26	22	089	323	5	11	22	
					269	110					35	106	
6	260	341	561	5	251	18	24	399	325	5	13	22	
					294	128					50	128	
7	283	650	584	5	272	22	39	600	340	5	28	22	
					299	150					22	150	
8	299	132	600	5	286	1/2 26	10	031	311	5	10	1/2 24	
					244	176					69	174	
9	236	079	537	5	228	16	62	092	363	5	55	14	
					292	192					38	188	
10	283	140	584	5	274	18	26	519	327	5	14	24	
					293	218					27	212	
11	293	109	594	5	280	1/2 26	9	499	310	5	9	1/2 28	
					301	236					54	240	
12	301	960	602	5	288	1/2 26	43	130	344	5	32	22	
					295	262					66	262	
13	295	691	596	5	280	1/2 30	50	459	351	5	34	32	
					168	292					150	294	
B.M. 203-14A	165	410	466	5	162	6	147	188	448	5	144	6	B.M. 203-14A
	3839	016				298	676	135				300	PLACERITA CYN. RD., 0.3 MI. E. OF
	676	135										298	PARK ENT. F.B. 3719-84

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

SURVEY BY J. RANDALL

NOTES BY R. ANDERSON DATE 16-MAR. '71

INDEXED J. GALLI DATE MAR 30 '71

WEATHER CLEAR & CALM

TIME 11:10

NOTES CHKD RCP

INST. NO. 75

ROD NO. 1713A.B

DATE 30-3-71

T = 780

F.B. 4110 PG. 179

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Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
B.M. 203-14A													FROM B.M. 203-14A TO B.M. 203-15
1	40	600	341	5	53 27	26	266	841	567	5	286 252	28	B.M. 203 - 14A
2	13	662	314	5	27 13	½ 28	287	169	588	5	299 275	24	PLACERITA CYN. RD., 0.3 MI. E OF PARK ENT.
3	19	441	320	5	31 7	54 24	292	520	593	5	292 280	52 ½ 24	F.B. 3719-84
4	16	795	317	5	26 6	78 20	288	347	589	5	299 277	76 22	
5	13	320	314	5	24 2	98 22	299	289	600 5	5	299 288	98 ½ 22	T = SIEMANN
6	19	207	320	5	30 8	120 22	294	541	595	5	294 282	120 ½ 24	
7	28	588	329	5	39 17	142 22	264	659	565	5	274 254	144 20	
8	24	192	325	5	35 13	164 22	294	710	595	5	294 283	164 ½ 22	
9	31	049	332	5	42 20	186 22	283	801	584	5	294 272	186 22	
10	13	655	314	5	25 1	208 24	287	495	588	5	299 275	208 24	
11	18	978	319	5	31 5	232 26	275	999	576	5	288 262	232 26	
12	25	735	326	5	38 12	258 26	292	880	593	5	292 279	258 26	
+	265	222 ✓				284	3428	251 ✓				284	
B.M. 203-15							265	222				284	B.M. 203-15
							3163	029 ✓				568	PLACERITA CYN. RD., W. OF ENTRANCE TO PARK
													F.B. 3719-85

T = 64°

WEATHER CLEAR, WINDY + INST. NO. 75234

TIME 11:05 ROD NO. 1713A

NOTES CHKD. RCB DATE 30-3-71

JOB NO. 0301.02

SURVEY OF L.A.Co. PRECISE LEVEL NET

SURVEY BY RANDALL NOTES ANERSON DATE: 18-MAR.'71

INDEXED G.J. GALLI DATE

F.B. 4110 PG. 180

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
B.M.203-14A									FROM B.M.203-14A TO ~~B.M.203-13~~ T.B.M.#3
1	267	650	568 5	278 256 22	34	160	335 5	46 22 24	B.M.203-14A
				270				80	PLACERITA CYN. RD., 0.3 MI.
2	259	450	560 5	248 22	69	778	370 5	58 22	E. OF PARK ENT. F.B. 3719-84
				275 44				51 46	
3	261	790	562 5	247 28	38	220	339 5	25 26	
				280 72				32 72	T = RODRIGUEZ
4	260	482	561 5	240 40	13	380	314 5	13 ½ 38	
				301 112				85 110	
5	301	401	602 5	293 ½ 16	75	472	376 5	65 20	
				246 128				26 130	27
6	232	528	533 5	218 28	16	441	317 5	4 22	5
				295 156				22 152	
7	295	911	596 5	286 ½ 18	11	112	312 5	11 ½ 22	
				210 174				60 174	
8	207	982	508 5	204 6	56	212	357 5	52 8	
	+2087	194 ✓		180	-314	775 ✓		182	
T.B.M.# 3	-314	775						180	T.B.M. No. 3
	+1772	419 ✓						362	SET LG. BT. SPK. IN P.P.# 1382974E
									NO REFF.

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

SURVEY BY J. RANDALL

NOTES BY R. ANDERSON DATE 16 MAR '71

INDEXED C. J. GALLI DATE MAR 30 '71

WEATHER CLEARS, CALM INST. NO. 75235

TIME 13:28 ROD NO. 1713A-B

NOTES CHKD RCB DATE 30-3-71

T = 84°

F.B. 4110 PG. 181

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
T.B.M.#3	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM T.B.M. No. 3 TO B.M. 203-14A
					37						284		T.B.M. No. 3
1	28	479	329	5	19	18	276	638	577	5	268	16	SET LG. BT. SPK. IN P.P.# 1382974
					33						294		No. REFF.
2	24	522	325	5	15	18	294	970	595	5	283½	22	
						36					298	38	
					28								
3	12	998	313	5	12	½ 32	283	410	584	5	268	30	
						68					296	68	
					30								
4	13	792	314	5	13	½ 34	278	201	579	5	260	36	
						102					299	104	T = SIEMANN
					30								
5	15	081	316	5	0	30	285	217	586	5	271	28	
						132					302	132	
					52								
6	37	849	338	5	22	30	288	138	589	5	274	28	
						162					271	160	
					71								
7	62	598	363	5	53	18	261	050	562	5	251	20	
	+ 195	319	✓			180	- 1967	624	✓			180	
B.M. 203-14A							+ 195	319				180	B.M. 203-14A
							- 1772	305	✓			360	PLACERITA GN. RD., 0.3 MI.
													E. OF PARK ENT.
													F.B. 3719-84

T = 620

F.B. 4110 PG. 182 JOB NO. 0301.02

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY RANDALL NOTES ANDERSON DATE 18-MAR.'71

INDEXED [illegible] GALLI DATE

WEATHER CLEAR & WINDY + INST. NO. 75234

TIME 10:30 ROD NO. 1718 AR

NOTES CHKD RCB DATE 30-3-71

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
T.B.M.#3													FROM T.B.M.#3 TO B.M.203-13
1	298	570	599	5	298 / 287½	22	15	422	316	5	24 / 6	18	T.B.M. No. 3
					299						26		SET LC. BT. SPK. IN P.P.# 1382974 E
2	299	312	600	5	290½	18	15	278	316	5	4	22	NO REFF.
					262	40					34	40	
3	256	099	557	5	250	12	28	441	329	5	22	12	
					301	52					28	52	Π = RODRIGUEZ
4	293	529	594	5	285	16	19	800	320	5	10	18	
					270	68					30	70	
5	263	903	564	5	256	14	21	412	322	5	12	18	
					293	82					44	88	
6	293	159	594	5	283½	20	37	070	338	5	30	14	
					296	102					51	102	
7	287	430	588	5	278	18	42	132	343		33	18	
					294	120					39	120	
8	294	659	595	5	283½	22	30	948	331	5	21	18	
					297	142					39	138	
9	297	660	598	5	281½	32	22	570	323	5	5	34	
					232	174					117	172	
10	221	100	522	5	210	22	105	058	406	5	93	24	
					176	196					142	196	
11	168	042	469	5	160	16	135	460	436	5	128	14	
					167	212					79	210	
12	165	819	466	5	163	4	77	011	378	5	75	4	
+	3139	282	–			216	550	622	–			214	
B.M.203-13	550	622										216	B.M. 203-13
+	2588	660	–									430	PLACERITA CYN. RD., 0.8 MI. E. OF PARK ENT.
													F.B. 3719-81

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

SURVEY BY J. RANDALL

NOTES BY R. ANDERSON DATE 17-MAR '71

INDEXED C.J. GALLI DATE MAR 30 '71

WEATHER CLEAR & CALM INST. NO. 75234

TIME 12:50 ROD NO. 12 13 A.B.

NOTES CHKD RCB DATE 30-3-71

T. = 74°

F.B. 4110 PG. 183

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
B.M. 203-13													FROM B.M. 203-13 TO T.B.M. No. 3
1	12	095	313	5	26 12	1/2 28	197	114	498	5	211 183	28	B.M. 203-13
					43						296		PLACERITA CYN. RD. 0.8 MI.
2	22	814	323	5	1	42	296	878	597	5	276 1/2	40	E. OF PARK ENT.
					26	70					296	68	F.B. 3719-81
3	14	359	315	5	2	24	284	290	585	5	272	24	
					24	94					297	92	
4	13	227	314	5	2	22	297	556	598	5	287 1/2	20	
					23	116					301	112	
5	13	580	314	5	3	20	301	505	602	5	290 1/2	22	T = SIEMANN
					23	136					295	134	
6	14	276	315	5	5	18	295	199	596	5	287 1/2	16	
					20	154					302	150	
7	12	770	313	5	4	16	293	960	594	5	284	18	
					19	170					299	168	
8	11	941	312	5	3	16	299	658	601	5	291 1/2	16	
					18	186					298	184	
9	10	818	311	5	2	16	298	839	599	5	289 1/2	18	
					60	202					210	202	
10	54	592	355	5	48	12	204	218	505	5	198	12	
	+ 180	462				214	2769	217				214	
T.B.M. No. 3							+ 180	462				214	T.B.M. No. 3
							- 2588	755				428	SET LG. BT. SPK. IN P.P. # 1382974
													NO REFF.

T = 62°

WEATHER CLEAR & WINDY INST. NO. 7523

TIME 09:50 ROD NO. H13 B

NOTES CHKD. BCB DATE 30-3-71

JOB NO. 0301.02

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY RANDALL NOTES ANDERSON DATE: 18-MAR.'71

INDEXED B.L. GALLI DATE

F.B. 4110 PG. 184

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
B.M.203-13									FROM B.M.203-13 TO T.B.M. No. 4
1	87	698	388 5	103 71 32	240	051	541 5	254 226 28	B.M.203-13
				106	225	208	526 5	248 220	PLACERITA CYN. RD., 0.8 MI. E.
2	84	602	385 5	62 44	~~202~~	~~298~~	~~503~~ 5	202 184 46	OF PARK ENT.
				100 76				240 74	F.B. 3719-81
3	85	810	386 5	70 30	226	162	527 5	212 28	
			400	135 106				155 102	
4	99	348	~~3~~ 5	63 72	117	820	418 5	79 76	
				219 178				95 178	T = RODRIGUEZ
5	203	242	504 5	187 32	80	992	381 5	65 30	
				284 210				67 208	
6	262	059	563 5	240 44	44	188	345 5	21 46	
				297 254				32 254	
7	276	570	577 5	255 42	12	470	313 5	12 ½ 40	
				245 296				64 294	
8	235	608	536 5	225 20	53	272	354 5	42 22	
				266 316				77 316	
9	258	441	559 5	250 16	69	211	370 5	61 16	
				294 332				34 332	
10	294	090	595 5	286 ½ 16	23	768	324 5	12 22	
				210 348				56 354	
11	205	411	506 5	200 10	53	128	354 5	50 6	
	+ 2092	879 ✓		358	1146	270 ✓		360	
T.B.M. No. 4	- 1146	270						358	T.B.M. No. 4
	+ 946	609 ✓						718	SET LG. BT. SPK. IN P.P. #1382987E
									NO REFF.

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

SURVEY BY J. RANDALL

NOTES BY R. ANDERSON DATE 17-MAR. '71

INDEXED E.J. GALLI DATE MAR 30 '71

WEATHER CLEAR & CALM TIME 13:30

NOTES CHKD RCB DATE 3-71

INST. NO. 75239

ROD NO. 1713 A-1

F.B. 4110 PG. 185

T = 74°

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. 1522 ROD NO. 173 DATE 30-3-71

SURVEY OF T.B.M. 4 WEATHER CLEAR WINDY

SURVEY BY Andrade TIME 09:15

NOTES CHKD RCB

INDEXED G. GALLI DATE

JOB NO. 0301.02

NOTES L.A. Co. PRECISE LEVEL NET DATE 18-MAR. '71

F.B. 7110 PG. 186

T = 62°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		STADIA		DESCRIPTION AND REMARKS
T.B.M. No. 4													FROM T.B.M. #4 TO B.M. 203-13
1	60	229	361	5	69 51	18	284	501	585	5	3.93 275	18	T.B.M. No. 4
2	15	800	316	5	25 5	26	259	468	560	5	268 250	18	SET LG. BT. SPK. IN P.P. #1382987 E NO REFF.
3	41 ~~42~~	940	342	5	52 30	38 22	277	371	578	5	288 266	36 22	
4	15	642	316	5	30 0	60 30	280	824	581	5	295 265	58 30	
5	30	039	331	5	46 14	90 32	241	891	542	5	258 224	88 34	T = SIEMANN
6	28	742	329	5	54 2	122 52	257	362	558	5	283 231	122 52	
7	109	799	410	5	139 79	179 60	154	670	456	5	184 124	174 60	
8	232	332	533	5	253 211	234 42	77	100	378	5	98 56	34 42	
9	266	959	567	5	296 236	276 60	66	769	347	5	96 36	276 60	
10	188	975	489	5	200 176	336 24	36	931 ~~98~~	337	5	48 24	336 24	
	+ 990	457 ✓			✓	360	1936	877 ✓			✓	360	
B.M. 203-13							- 990	457				360	B.M. 203-13
							- 946	420 ✓				✓ 720	PLACERITA CYN. RD. 0.8 MI. E. OF PARK ENT.
													F.B. 3719-81

76P526B CE # 308 8/68

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

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

Do not extend notes this side of this line.

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

SURVEY BY S. PRANDERSON DATE 17-MAR. '71 TIME 14:15 WEATHER CLEAR & LT. WIND INST. NO. 75-23

NOTES BY R. GALLI DATE 30 TIME ROD NO. 1713 R.C.

INDEXED DATE NOTES CHKD RCB DATE 20-3-71

F.B. 4110 PG. 187

1 = 76

STATION	BACKSIGHT Right	Mic.	Left.		Stadia		FORESIGHT Right	Mic.	Left.		Stadia		DESCRIPTION AND REMARKS
T.B.M.#4													From T.B.M. No. 4 to B.M. 203-12
					258						42		
1	250	096	551	5	242	16	34	638	335	5	26	16	T.B.M. No. 4
					295						27		SET LG. BT. SPK. IN. P.P.#1382987E
2	286	868	587	5	277	18	19	371	320	5	11	16	NO REFF.
					255	34					35	32	
3	250	870	551	5	245	10	29	322	330	5	23	12	
					300	44					23	44	
4	293	512	594	5	286	14	16	278	317	5	9	14	T = RODRIGUEZ
					298	58					56	58	
5	292	282	593	5	286	12	48	301	349	5	40	16	
					290	70					28	74	
6	283	710	584	5	276	14	21	918	322	5	14	14	
					296	84					65	88	
7	296	231	597	5	288½	16	59	470	360	5	53	12	
					222	100					52	100	
8	218	241	519	5	214	8	47	589	348	5	42	10	
	+ 2171	804	✓		✓	108	- 276	887	✓		✓	110	
B.M. 203-12	- 276	887										108	B.M 203-12
	+ 1894	917									✓	218	PLACERITA CYN. RD., 2.0 MI.
													W. OF SAND CYN. RD.
													F.R 3719-79

14.

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
B.M. 203-12													FROM B.M. 203-12 TO T.B.M. No. 4
					42						298		B.M. 203-12
1	31	802	332	5	20	22	298	350	599	5	290½	16	PLACERITA CYN. RD., 2.0 M
					46						287		W. OF SAND CYN. RD.
2	40	628	341	5	34	12	280	720	581	5	273	14	F.B. 3719-79
					52	34					250	30	
3	48	339	349	5	44	8	245	771	546	5	240	10	
					95	42					253	40	π = RODRIGUEZ
4	90	629	391	5	85	10	248	222	549	5	243	10	
					44	52					279	50	
5	39	160	340	5	34	10	274	601	575	5	269	10	
					94	62					250	60	
6	90	701	391	5	86	8	244	729	545	5	238	12	
					50	70					286	72	
7	43	818	344	5	36	14	279	970	580	5	272	14	
	41				48	84					253	86	
8	~~39~~	221	342	5	34	14	247	260	548	5	241	12	
					39	98					240	98	
9	31	129	332	5	23	16	232	732	533	5	224	16	
+	457	427 ✓				114	2352	355 ✓				114	
T.B.M. No. 4							457	427				114	T.B.M. No. 4
							1894	928 ✓				228	SET LG. BT. SPK. IN P.P.# 138298
													NO REFF.

F.B. 4110 PG. 188 JOB NO. 0301.02

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY RANDALL NOTES R. ANDERSON

INDEXED B.J. GALLI DATE

WEATHER CLEAR & LT. WIND INST. NO. 7523

TIME 14:50 ROD NO. 1713A

NOTES CHKD RCB DATE 30-3-71

T = 76°

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY J. RANDALL

NOTES BY P. ANDERSON DATE 18-MAR. '71

INDEXED [illegible] DATE MAR 30 '71

WEATHER CLEAR & WIND TIME 13:30

NOTES CHKD RCB DATE 30-3-71

INST. NO. 75234

ROD NO. 17/3A B

F.B. 4110 PG. 189

T = 64°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
B.M. 203-12									FROM B.M. 203-12 TO B.M. 203-11
1	223	331	524 5	230 216 14	30	809	331 5	38 22 16	B.M. 203-12
2	252	930	553 5	258 246 12	58	752	359 5	64 52 12	PLACERITA CYN. RD., 2.0 MI. W. OF SAND CYN. RD.
3	279	898	580 5	287 271 16	52	608	353 5	60 44 16	F.B. 3719-79
4	300	610	601 5	300 288 ½ 42 24	25	218	326 5	38 12 44 26	π = RODRIGUEZ
5	259	252	560 5	272 246 66 26	72	299	373 5	83 61 70 22	
6	274	258	575 5	299 249 92 50	137	661	438 5	162 112 92 50	
7	124	292	425 5	147 101 142 46	133	789	434 5	156 110 142 46	
8	114	971	415 5	130 98 188 32	201	570	502 5	216 186 188 30	
9	57	899	358 5	92 22 220 70	239	320	540 5	273 205 218 68	
10	43	722	344 5	76 10 290 66	191	729	492 5	226 156 286 70	
11	4	798	305 5	37 4 ½ 356 66	261	671	562 5	291 231 356 60	+ 2001.702
12	34	499	335 5	68 0 422 ~~[illegible]~~ 68	214	232	515 5	250 178 416 72	- 1917.479
13	31	242	332 5	42 20 490 22	297	821	598 5	297 286 ½ 488 22	+ 84.223 DILL
B.M. 203-11	+2001	702		512	~~1917~~	~~181~~		510	B.M. 203-11
	~~1917~~	~~181~~			1917	479		512	PLACERITA CYN. RD. 1.5 MI.
	+ ~~84~~	~~521~~						1022	W. OF SAND CYN. RD. (WATER TK.)
									F.B. 3719-77

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.

INST. NO. 25234 ROD NO. 171341 DATE 30-3-71

WEATHER Clear - Calm

TIME 09:05

NOTES CHKD RCR

T = 680

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
203-11													FROM 203-11 TO 203-12
1	276	012	577	5	283 269	14	18	340	319	5	29 12	12	B.M. 203-11
													Placerita Cyn. Rd. 1.8 mi. west of Sand Cyn. Rd.
2	200	282	501	5	234 166	68	45	680	346	5	79 11	68	F.B. 3719-77
						82						80	
3	297	612	598	5	½) 297 261	72	6	382	307	5	½) 42 6	72	T. Rodriguez
						154						152	
4	203	772	504	5	240 166	74	34	248	335	5	½) 72 34	76	
						228						228	
5	218	880	519	5	244 192	52	86	238	387	5	112 60	52	
						280						280	
6	259	692	560	5	296 222	74	147	500	448	5	184 110	74	
						354						354	
7	146	821	447	5	181 111	70	286	890	587	5	½) 284 250	72	
						424						426	
8	12	918	313	5	½) 25 12	26	288	091	589	5	301 275	26	
						450						452	
9	21	372	322	5	33 9	24	266	881	567	5	278 254	24	
						474						474	
10	28	119	329	5	39 17	22	296	142	597	5	½) 296 287	18	
						496						492	
11	18	577	319	5	26 10	16	291	758	592	5	301 281	20	B.M. 203-12
	+ 1684	057 ✓			✓	512	1768	150 ✓			514	~~512~~	Placerita Cyn. Rd. 2.0 mi. west of Sand Cyn. Rd.
B.M. 203-12							1684	057			512	512	F.B. 3719-79
							84	093 ✓			1026	~~1024~~	

SURVEY OF L.A. Co. Precise Level Net Earthquake Study

SURVEY BY Randall NOTES JGR Mar. 71

INDEXED G. I. GALLI DATE

JOB NO. 0301.02

F.B. 4110 PG. 190

76P526B CE # 308 8/68

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

SURVEY BY V. RANDALL

NOTES BY R. ANDERSON DATE 19-MAR. '71

INDEXED G. J. GALLI DATE MAR 30 '71

WEATHER CLOUDY & WINDY INST. NO. 75234

TIME 09:10 ROD NO. 1713A-6

NOTES CHKD RCB DATE 30-3-71

T. = 60°

F.B. 4110 PG. 191

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
B.M. 203-11									FROM B.M. 203-11 TO B.M. 203-10
1	~~280~~ 287	978	588 5	~~287~~ 273½ 28	21	599	322 5	~~36~~ 21½ 30	B.M. 203-11
				215				95	PLACERITA CYN. RD., 1.5 MI.
2	203	750	504 5	191 24	84	648	385 5	73 22	W. OF SAND CYN. RD.
				282 52				50 52	F.B. 3719-77
3	270	482	571 5	258 24	38	392	339 5	26 24	
				297 76				20 76	
4	297	462	598 5	286½ 22	9	090	310 5	9½ 22	
				297 98				25 98	T = RODRIGUEZ
5	297	962	598 5	286½ 22	14	822	315 5	3 22	
				278 120				48 120	
6	268	081	569 5	258 20	38	320	339 5	29 20	
				296 140	11			27 140	
7	296	500	597 5	280½ 32	~~10~~	050	312 5	11½ 32	
				282 172				29 172	
8	264	542	565 5	246 36	11	412	312 5	11½ 36	
				299 208				32 208	
9	299	092	600 5	280½ 38	12	082	313 5	12½ 40	
				298 246				29 248	
10	298	151	599 5	280½ 36	11	621	312 5	11½ 36	
				300 282				40 284	
11	300	342	601 5	279½ 42	24	580	325 5	8 32	
				226 324				78 316	+ 3708.249
12	218	099	519 5	210 16	67	910	368 5	56 22	− 487.228
				299 340				50 338	+ 3221.021 ✓ DIFF.
13	274	920	575 5	259 30	33	330	334 5	16 34	
				132 370				110 372	
B.M. 203-10	130	888	431 5	128 4	108	372	409 5	106 4	B.M. 203-10
	+ 3708	249 ✓		✓ 374	487	228 ✓		✓ 376	PLACERITA CYN. RD., 1.0 MI. W. OF
	~~487~~	~~288~~						~~374~~	
	+ ~~3210~~	~~961~~						✓ 750	SAND CYN. RD. F.B. 3719-75

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STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
B.M.203-10													FROM 203-10 TO 203-11
1	8	711	309	5	22 ½) 8	28	294	550	595	5	294 ½) 276	36	B.M.203-10
													Placerita Cyn. Rd. 1.0 mi. West of Sand Cyn. Rd.
2	49	839	350	5	64 34	30	258	909	559	5	269 247	22	F.B. 3719-75
						58						58	
3	26	834	327	5	46 6	40	296	912	597	5	296 ½) 276	40	⊼ Rodriguez
						98						98	
4	13	871	314	5	30 ½) 13	34	286	282	587	5	286 ½) 268	36	
						132						134	
5	26	019	327	5	44 8	36	279	661	580	5	296 262	34	
						168						168	
6	23	522	324	5	39 7	32	258	851	559	5	274 242	32	
						200						200	
7	5	752	306	5	22 ½) 5	34	298	280	599	5	298 ½) 283	30	
						234						230	
8	15	981	316	5	27 3	24	278	570	579	5	294 262	32	
						258						262	
9	22	719	323	5	28 16	12	235	928	536	5	240 230	10	
						270						272	
10	30	580	331	5	40 20	20	284	931	585	5	294 274	20	
						290						292	
11	47	800	348	5	56 38	18	239	462	540	5	248 230	18	
					(308)	308					283	310	
12	43	219	344	5	68 18	50	283	091	584	5	302 ½) 264	38	
						358						348	
13	52	021	353	5	62 42	20	269	291	570	5	284 254	30	
						378						378	B.M.203-11
14	Note 179	179	480	5	183 175	8	202	491	503	5	206 198	8	Placerita Cyn. Rd. 1.5 mi. West of Sand Cyn. Rd.
+	546	047 ✓			✓	386	3767	209			✓	386	F.B. 3719-77
							546	047				386	
B.M.203-11							3221	162 ✓			✓	772	

T = 80°

F.B. 4110 PG. 192 JOB NO. 030102

SURVEY OF L.A. Co. Precise Level Net Earthquake Study WEATHER Clear-Calm INST. NO. 25236

SURVEY BY Randall NOTES JGR 22-Mar-71 TIME 14:30 ROD NO. 1713A-1

INDEXED [illegible] GALLI DATE NOTES CHKD RCB DATE 30-3-71

76P526B CE # 308 8/68

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY J. RANDALL
NOTES BY R. ANDERSON DATE 19-MAR. 171 WEATHER CLOUDY & WINDY INST. NO. 75235
INDEXED G. J. GALLI DATE MAR 30 71 NOTES CHKD RCG DATE 30-3-71 ROD. NO. 1713 A-1
T = 60° F.B. 4110 PG. 193

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
B.M 203-10													FROM B.M. 203-10 TO T.B.M. No. 5
1	270	761	571	5	293 248	44	13	330	314	5	33 13½	40	B.M. 203 - 10
					300						29		PLACERITA CYN. RD., 1.0 MI.
2	300	222	601	5	283½	34	10	301	311	5	10½	38	W. OF SAND CYN. RD.
					282	78					272	78	F.B. 3719-76
3	245	040	546	5	208	74	234	122	535	5	196	76	
					47	152					300	154	
4	24	642	325	5	2	46	280	528	581	5	260	40	
					41	198					280	194	T = RODRIGUEZ
5	33	182	334	5	25	16	269	761	570	5	258	22	
					48	214					276	216	
6	39	801	340	5	30	18	267	522	568	5	258	18	
					23	232					272	234	
7	12	551	313	5	1	22	262	601	563	5	252	20	
					40	254					293	254	
8	30	620	331	5	20	20	293	386	594	5	282½	22	
					28	274					299	276	
9	15	701	316	5	2	26	299	651	600	5	288½	22	
					22	300					292	298	
10	10	958	311	5	10½	24	281	180	582	5	270	22	
					54	324					297	320	
11	46	931	347	5	38	16	287	078	588	5	277	20	
					25	340					295	340	
12	11	041	312	5	11½	28	295	411	596	5	286½	30	
	+ 1041	440	✓		✓	368	2794	865	✓		✓	370	
T.B.M. #5							+ 1041	440				368	T.B.M. No. 5
							- 1753	425	✓		✓	738	SET 2G. BT. SPK. IN P.P. #1248626E

258

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STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
T.B.M. No 5													FROM T.B.M. No 5 TO 203-10
1	297	850	598	5	297 ½) 282	30	15	700	316	5	27 3	24	T.B.M. No 5
													Boat Spike in PP
2	279	540	580	5	288 270	18	10	671	311	5	22 ½) 10	24	No Ref.
						48						48	
3	276	720	577	5	286 266	20	46	902	347	5	55 37	18	⊼ Rodriguez
						68						66	(66)
4	296	542	597	5	296 ½) 284	24	16	361	317	5	28 4	24	
						92						90	
5	300	871	601	5	300 ½) 289	22 ~~38~~	14	920	315	5	26 2	24	
					(114)	~~130~~						114	
6	298	968	599	5	298 ½) 286	24	13	122	314	5	24 2	22	
						138						136	
7	288	972	589	5	298 278	20	21	328	322	5	32 10	22	
						158						158	
8	285	149	586	5	298 272	26	37	169	338	5	50 24	26	
						184						184	
9	298	568	599	5	298 ½) 270	56 ~~36~~	63	809	364	5	92 34	58	
						240						242	
10	105	958	406	5	137 73	64	295	149	596	5	295 ½) 264	62	
						304						304	
11	35	320	336	5	50 20	30	281	610	582	5	296 266	30	
						334						334	
12	21	552	322	5	39 3	36	216	061	517	5	234 198	36	B.M. 203-10
+	2786	010	✓			✓ 370	1032	802	✓			✓ 370	Platerita Cyn. Rd. 1.0 mi. west of Sand Cyn. Rd.
B.M. 203-10 -	1032	802										370	F.B. 3719-75
+	1753	208	✓									✓ 740	

F.B. 4110 PG. 194 JOB NO. 0320.05 0301.02

SURVEY OF L.A. Co. Precise Level Net Earthquake Study

SURVEY BY Randall NOTES JGR 22-Mar-71

INDEXED G.L. GALT DATE

WEATHER Clear Calm INST. NO. 2523

TIME 13:40 ROD NO. 1713A

NOTES CHKD RGB DATE 30-3-71

T=780

76P526B CE # 308 8/68

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
T.B.M. # 5	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM T.B.M. No. 5 TO B.M. 203-9
					18						275		T.B.M. No. 5
1	10	948	311	5	2	16	266	801	567	5	257	18	
					39						250		
2	29	189	330	5	19	20	241	098	542	5	232	18	
					22	36					293	36	π = RODRIGUEZ
3	12	225	313	5	2	20	293	132	594	5	282	22	
					111	56					266	58	
4	106	261	407	5	101	10	261	462	562	5	256	10	
+	158	623	✓		✓	66	1062	493	✓		✓	68	
B.M. 203-9							+ 158	623				66	B.M. 203-9
							- 903	870	✓		✓	134	PLACERITA CYN. RD., 0.5 MI.
													W. OF SAND CYN. RD.
													F.B. 3719-73

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

SURVEY BY J. RANDALL

NOTES BY R. ANDERSON DATE 19 - MAR. '71

INDEXED L. J. GALLI DATE MAR 30 71

WEATHER CLOUDY & WINDY TIME 11:00

NOTES CHKD RCB DATE 30-3-71

T=620

ROD NO. 1713 A-

INST. NO. 76234

F.B. 4110 PG. 195

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F.B. 4110 PG. 196 | JOB NO. 030102 | 00 07 00

SURVEY OF L.A. Co Fire Land Div Earthquake Study

SURVEY BY Rendon NOTES JGR 22-Mar-71

INDEXED R. J. GALLI DATE

WEATHER Clear - Calm INST. NO. 75236

TIME 13:25 ROD NO. 1713-A

NOTES CHKD RCB DATE 7-3-71

T = 78°

STATION	BACKSIGHT RIGHT	MIC.	LEFT.		STADIA		FORESIGHT RIGHT	MIC.	LEFT.		STADIA		DESCRIPTION AND REMARKS
B.M. 203-9													FROM 203-9 TO T.B.M. No 5
1	297	230	598	5	297 ½) 286	22	15	140	316	5	36 4	22	B.M. 203-9 0.2 mi. West of Placerita Cyn. Rd. Sand Cyn. Rd.
2	246	162	547	5	257 235	22	25	301	326	5	35 15	20	F.B. 3719-73
						44						42	
3	301	229	602	5	351 ½) 289	24	20	750	321	5	32 8	24	X Rodriguez
						68						66	
4	238	718	539	5	244 232	12	118	402	419	5	124 112	12	T.B.M. No 5
	+ 1083	339	✓		✓	80	179	593	✓		✓	78	Bent Spk. in PP
T.B.M. No 5	- 179	593										80	No R.P.
	+ 903	746	✓								✓	158	

76P526B CE # 308 8/68

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RERUN

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
T.B.M. Nº 5									FROM T.B.M. Nº 5 TO 203-9
1	5	590	306 5	15 5 ½ 20	256	520	557 5	264 248 16	T.B.M. Nº 5
				28				291	Spike in PP
2	13	760	314 5	13 ½ 30	291	740	592 5	274 34	No Ref.
				26 50				270 50	⊼ Rodriquez (Rerun)
3	17	052	318 5	8 18	261	649	562 5	252 18	
				127 68				257 68	
4	122	250	423 5	117 10	252	542	553 5	247 10	
+	158	652	✓	✓ 78	-1062	451	✓	✓ 78	
B.M. 203-9					+ 158	652		78	B.M. 203-9
					- 903	799	✓	✓ 156	PLACERITA CYN. RD., 0.5 MI. W. OF SAND CYN. RD.
									F.B. 3719-73

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

SURVEY BY Randall

NOTES BY Anderson DATE 24-Mar-71

INDEXED J. GALLI DATE MAR 30 71

WEATHER overcast calm TIME 08:50

NOTES CHKD RCB

INST. NO. 75234

ROD NO. 1713A-B

DATE 30-3-71

T = 68°

F.B. 4110 PG. 197

76P526B CE # 308 8/68

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

SURVEY BY V. RANDALL WEATHER OVERCAST INST. NO 75234

NOTES BY Rodriguez DATE 19/Mar/71 TIME 0:11:15 ROD NO 1713 AB

INDEXED L. J. GALLI DATE MAR 30 71 NOTES CHKD RCR DATE 30-3-71

F.B. 4110 PG. 199

T=62°

STATION	BACKSIGHT RIGHT	MIC.	LEFT.		STADIA		FORESIGHT RIGHT	MIC.	LEFT.		STADIA		DESCRIPTION AND REMARKS
B.M. 203-9													FROM B.M. 203-9 TO BM 203-8
1	60	397	361	5	71 / 49	22	260	737	561	5	271 / 249	22	BM 203-9
													Placerita Cyn Rd 0.5 mi
2	12	667	313	5	1/2) 32 / 12	40	294	389	595	5	1/2) 294 / 273	42	West of Sand Cyn Rd.
						62						64	FB 3719-73
3	9	685	310	5	1/2) 26 / 9	34	260	685	561	5	277 / 243	34	
						96						98	⊼ Miyahira
4	96	260	397	5	117 / 75	42	293	611	594	5	1/2) 293 / 271	44	
						138						142	
5	42	135	343	5	56 / 28	28	211	697	512	5	222 / 200	22	
						166						164	
6	27	803	328	5	41 / 13	28	259	565	560	5	273 / 245	28	
						194						192	
7	55	373	356	5	79 / 31	48	273	203	574	5	298 / 248	50	
						242						242	
8	100	441	401	5	121 / 79	42	145	647	446	5	165 / 125	40	
						284						282	
9	220	869	521	5	249 / 191	58	19	200	320	5	1/2) 47 / 19	56	
						342						338	
10	222	021	523	5	242 / 202	40	70	770	371	5	93 / 47	46	
	+847	651	✓		✓	382	2089	504	✓		✓	384	
							847	651				382	
BM 203-8							1241	853	✓		✓	766	BM 203-8
													Placerita Cyn Rd 360 FT west
													of Sand Cyn Rd
													FB. 3719-71

262

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STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
B.M. 203-8													FROM 203-8 TO 203-9
1	55	120	356	5	80 / 30	50	227	162	528	5	252 / 202	50	B.M. 203-8
													Placerita Cyn. Rd. C-Bridge
2	28	042	329	5	54 / 2	52	209	208	510	5	236 / 182	54	F.B. 3719-71
						102						104	
3	172	633	473	5	206 / 138	68	12	037	313	5	44 / 1/2) 12	64	⊼ Anderson
						170						168	
4	266	632	567	5	281 / 251	30	52	522	353	5	68 / 36	32	
						200						200	
5	234	422	535	5	253 / 215	38	59	872	360	5	78 / 40	38	
						238						238	
6	299	072	600	5	299 / 1/2) 278	42	9	860	310	5	28 / 1/2) 9	38	
						280						276	
7	165	820	466	5	181 / 149	32	12	878	313	5	28 / 1/2) 12	32	
						312						308	
8	236	397	537	5	253 / 219	34	54	020	355	5	71 / 37	34	
						346						342	
9	278	770	579	5	297 / 259	38	10	302	311	5	28 / 1/2) 10	36	
						384						378	
10	211	580	512	5	219 / 203	16	58	762	359	5	68 / 48	20	B.M. 203-9
+	1948	488	✓			✓400	706	623	✓			✓398	Placerita Cyn. Rd. 0.5 mi. west of Sand Cyn. Rd.
203-9 -	706	623										400	F.B. 3719-73
+	1241	865	✓									✓798	

F.B. 4110 PG. 200 JOB NO. 0020.03 0301.02

SURVEY OF L.A. Co. Precise Level Net Earthquake Study

SURVEY BY Randall NOTES JGR 22-Mar-71

INDEXED [illegible] DATE

WEATHER Clear-Calm INST. NO. 75236

TIME 11:25 ROD NO. 1713A-1

NOTES CHKD RCB DATE 30-3-71

T = 760

76P526B CE # 308 8/68

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

SURVEY BY Randall

NOTES BY Rodriguez DATE 19-Mar-71 WEATHER Overcast INST. NO. 75234

INDEXED [illegible] DATE MAR 30 71 TIME 13:15 ROD NO. 1713 AB

NOTES CHKD RCB DATE 30-3-71

F.B. 4110 PG 201

t = 62°

STATION	BACKSIGHT RIGHT	MIC.	LEFT.		STADIA		FORESIGHT RIGHT	MIC.	LEFT.		STADIA		DESCRIPTION AND REMARKS
BM203-8													FROM BM 203-8 TO BM 203-7A
1	160	420	461	5	187 133	54	139	010	440	5	165 113	52	BM 203-8
													Placerita Cyn Rd 360 FT west
2	36	807	337	5	63 9	54	214	527	515	5	244 184	60	of Sand Cyn Rd
						108						112	EB 3719-71
3	85	665	386	5	103 67	36	245	053	546	5	263 227	36	
						144						148	π Miyahira
4	40	873	341	5	54 26	28	264	605	565	5	277 251	26	
						172						174	
5	7	410	308	5	1/2) 24 7	34	253	230	554	5	272 234	38	
						206						202	212
6	11	015	312	5	1/2) 29 11	36	290	455	591	5	1/2) 290 268	40	
						242						242	
7	37	785	338	5	49 25	24	236	573	537	5	247 225	22	
						266						264	
8	40	339	341	5	52 28	24	245	670	546	5	258 232	26	
						290						290	
9	43	273	344	5	61 25	36	239	453	540	5	257 221	36	
						326						326	
10	69	823	370	5	84 54	30	248	573	549	5	263 233	30	
						356						356	
11	19	887	320	5	1/2) 49 19	60	264	383	565	5	294 234	60	
						416						416	
12	127	520	428	5	136 118	18	145	613	446	5	154 136	18	
	+680	817	✓			434	2787	145	✓			434	444 ✓
							+680	817	✓			434	
BM203-7A							-2106	328	878	✓		868	BM 203-7A
													Sand Cyn Rd. 0.1 mi No
													of Ruth Spring Dr
													EB 3719-70

281

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
B.M. 203-7A													FROM 203-7A TO 203-8
1	208	812	509	5	231 / 185	46 / 66	48	482	349	5	72 / 24	48	B.M. 203-7A
													~~Placerita~~ Sand Cyn. Rd.
2	258	695	559	5	283 / 233	50	16	630	317	5	41 / ½) 16	50	F.B. 3719-70
						96						98	
3	255	692	556	5	280 / 230	50	10	010	311	5	35 / ½) 10	50	⊼ Anderson
						146						148	
4	293	020	594	5	293 / ½) 273	40	19	532	320	5	37 / 23	34 / 36	
						186						182	
5	241	020	542	5	252 / 230	22	23	860	324	5	36 / 10	26	
						208						208	
6	235	274	536	5	249 / 221	28	34	223	335	5	48 / 20	28	
						236						236	
7	220	223	521	5	234 / 206	28	25	583	326	5	39 / 11	28	
						264						264	
8	288	840	589	5	288 / ½) 273	30	27	203	328	5	42 / 12	30	
						294						294	
9	275	533	576	5	295 / 255	40	92	132	393	5	111 / 73	38	
						334						332	
10	188	813	489	5	216 / 160	56	66	118	367	5	94 / 38	56	
						390						388	
11	153	725	454	5	168 / 138	30	140	670	441	5	155 / 125	30	
						420						418	
12	117	333	418	5	130 / 104	26	126	530	427	5	139 / 113	26	B.M. 203-8
+	2736	980 ✓			↘	446	630	973 ✓			↘	444	Placerita Cyn. Rd. @ Bridge
B.M. 203-8 -	630	973										446	F.B. 3719-71
+	2106	007 ✓									↘	890	

T = 760

WEATHER Clear-Calm INST. NO. 7523

TIME 10:20 ROD NO. 1713A

NOTES CHKD RCB DATE 30-3-71

F.B. 4110 PG. 202 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Nat Earthquake Study

SURVEY BY NOTES JGR. 22-Mar-71

INDEXED [illegible] GALLI DATE

76P526B CE # 308 8/68

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Do not extend notes this side of this line. Rerun

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

SURVEY BY Randall DATE 23 Nov. '71 WEATHER Overcast 41 Bar. INST. NO. 75234

NOTES BY " TIME 12:15 ROD NO. 1713 A/B

INDEXED G.J. GAI DATE NOV 30 71 NOTES CHKD. RCG DATE 30-3-71

T= 70°

F.B. 4110 PG. 203

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
B.M.203-8													FROM B.M.203-8 TO B.M.203-7A
1	155	570	456	5	135 125	60	167	215	468	5	198 136	62	B.M.203-8
													Placerita Cyn. Rd. @ Bridge
2	75	490	376	5	93 57	36	157	888	458	5	175 139	36	F.B. 3719-71
						96						98	
3	74	788	375	5	94 52	44	212	950	513	5	234 190	44	⊼ Anderson Rerun
						140						142	
4	26	272	327	5	45 7	38	287	810	588	5	(1/2) 287 267	40	
	Note					178						182	
5	26	237	327	5	37 15	22	247	588	548	5	257 237	20	
						200						202	
6	14	530	315	5	(1/2) 34 14	40	270	201	571	5	289 251	38	
						240						240	
7	28	977	329	5	43 13	30	279	725	580	5	294 264	30	
						270						270	
8	11	600	312	5	(1/2) 30 11	38	296	408	597	5	(1/2) 294 277	38	
						308						308	
9	44	768	345	5	64 24	40	262	578	563	5	282 242	40	
						348						348	
10	16	382	317	5	(1/2) 39 16	46	243	112	544	5	267 219	48	
						394						396	
11	57	511	358	5	75 39	36	204	628	505	5	222 186	36	
						430						432	
12	125	613	426	5	134 116	18	133	799	434	5	141 125	16	B.M.203-7A
+	657	738 ✓			✓	448	2763	902 ✓			✓	448	Sand Cyn. Rd. -0.1 mi. N/o of Ruthsering
B.M.203-7A							- 657	738				448	F.B. 3719-70
							- 2106	164 ✓			✓	896	

76P526B CE # 308 8/68

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Do not extend notes this side of this line.

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

SURVEY BY Randall

NOTES BY Rodriguez DATE 19/Mar/71

INDEXED G.J. GALD DATE MAR 30 71

WEATHER Overcast

TIME 14:30

NOTES CHKD RCB

INST. NO 75234

ROD NO 1713 AB

DATE 30-3-71

T=62°

F.B. [illegible] PG. 205

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM203-7A													FROM BM203-7A TO BM 203-6A
1	73	381	374	5	83 63	20	183	653	484	5	193 173	20	BM203-7A
													Sand Cyn Rd. 0.1 mi No.
2	24	535	325	5	48 0	48	278	375	579	5	1/2) 278 252	52	of Ruth Spring Dr.
						68						72	F.B. 3719-70
3	37	577	338	5	57 17	40	270	891	571	5	287 253	34	
						108						106	⊼ Miyahira
4	37	741	338	5	56 18	38	243	335	544	5	262 224	38	
						146						144	
5	25	511	326	5	1/2) 56 25	62	256	623	557	5	283 229	54	
						208						198	
6.	30	833	331	5	1/2) 61 30	62	251	815	552	5	286 216	70	
						270						268	
7.	73	461	374	5	93 53	40	172	977	473	5	192 152	40	
						310						308	
8.	137	635	438	5	141 133	08	124	605	425	5	128 120	08	
	+440	674	✓		↘	318	1782	274	✓		↘	316	
							-440	674				318	
BM3719-6A							-1341	600	✓		↘	634	BM 203-6A
													Sand Cyn Rd @ Iron Cyn
													Rd.
													F.B. 3719-68

238

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
B.M. 203-6A	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM 203-6A TO 203-7A
1	119	358	420	5	132 116	6	132	723	433	5	135 129	6	B.M. 203-6A
													Sand Cyn. Rd. @ Iron Cyn. Rd.
2	211	490	512	5	245 177	68	15	552	316	5	51 ½) 15	72	F.B. 3719-68
						74						78	
3	204	207	505	5	230 178	52 62	44	730	345	5	69 19	50	T. Anderson.
						126						128	
4	263	201	564	5	291 235	56	16	130 281	317	5	43 ½) 16	54	
						182						182	
5	256	108	557	5	278 234	44	26	413	327	5	45 7	38	
						226						220	
6	271	172	572	5	293 249	44	23	520	324	5	47 ½) 23	48	
						270						268	
7	243	422	544	5	264 222	42	39	872	340	5	60 18	42	
						312						310	
8	129	502	430	5	134 124	10	58	309	359	5	63 53	10	B.M. 203-7A
+	1698	460	✓		✓	322	357	249	✓		✓	320	Sand Cyn. Rd.
B.M. 203-7A -	357	249										322	F.B. 3719-70
+	1341	211	✓								✓	642	

T = 70°

FIG. 4110 PG. 206 JOB NO. 00 0301.02

SURVEY OF L.A. Co. Precise Level Net Earthquake Study WEATHER Clear Calm INST. NO. 2523

SURVEY BY Randall NOTES JGR 22-Mar-71 TIME 09:40 ROD NO. 1713A

INDEXED G. J. GALLI DATE NOTES CHKD RCB DATE 30-3-71

76P526B CE # 308 8/68

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

Rerun

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
203-7A													FROM 203-7A TO 203-6A
1	75	087	376	5	~~84~~ 66	18	183	697	484	5	~~192~~ 174	18	B.M. 203-7A
													Sand Cyn. Rd. - 0.1 mi. No. of Ruthspring
2	44	682	345	5	~~60~~ 28	32	208	188	509	5	~~224~~ 192	32	F.B. 3719-70
						50						50	
3	33	703	334	5	~~56~~ 10	46	281	892	582	5	½) ~~281~~ 258	46	T Anderson Rerun
						96						96	
4	8	952	309	5	½) ~~30~~ 8	44	256	318	557	5	~~279~~ 233	46	
						140						142	
5	31	774	332	5	~~52~~ 10	42	205	422	506	5	~~227~~ 183	44	
						182						186	
6	35	507	336	5	~~58~~ 12	46	255	038	556	5	~~279~~ 231	48	
						228						234	
7	80	100	381	5	~~107~~ 53	54	200	620	501	5	~~223~~ 177	46	
	X Note					282						280	
8	80	323	381	5	~~97~~ 63	34	151	100	452	5	~~169~~ 133	36	
						316						316	
9	143	248	444	5	~~145~~ 141	4	132	172	433	5	~~134~~ 130	4	B.M. 203-6A
+	533	376	✓		✓	320	1874	447	✓		✓	320	Sand Cyn. Rd. @ Iron Cyn. Rd.
							+ 533	376				320	F.B. 3719-68
B.M. 203-6A							1341	071	✓		✓	640	

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

SURVEY BY Randall " DATE 23-Mar-71 WEATHER overcast 61 Bre. INST. NO. 75234

NOTES BY TIME 14:20 ROD NO. 1713A.B

INDEXED G. J. GALLI DATE MAR 30 71 NOTES CHKD. RCA DATE 30-3-71

T = 70°

F.B. 4110 PG. 207

76P526B CE # 308 8/68

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 203-6A													FROM BM203-6A TO BM203-5
1	119	321	420	5	136 102	34	152	293	453	5	170 134	36	BM 203-6A
													~~Placerita~~ Sand Cyn Rd @ Iron
2	49	719	350	5	64 34	30	253	585	554	5	268 238	30	Cyn Rd
						64						66	FB 3719-68
3	21	403	322	5	43 ½) 21	44	271	663	572	5	292 250	42	
						108						108	⊼ Miyabira
4	14	823	315	5	44 ½) 14	60	219	479	520	5	250 188	62	
						168						170	
5	43	905	344	5	72 14	58	298	333	599	5	298 ½ 272	52	
						226						222	
6	48	117	349	5	70 26	44	248	770	549	5	273 223	50	
						270						272	
7	71	350	372	5	96 46	50	252	377	553	5	277 227	50	
						320						322	
8	25	503	326	5	46 4	42	242	960	543	5	263 221	42	
						362						364	
9	80	550	381	5	77 61	38	178	465	479	5	198 158	40	
						400						404	
10	150	517	451	5	166 134	32	151	280	452	5	166 136	30	
	+ 625	208	✓		↘	432	2269	205	✓		↘	434	
							625	208				432	
BM 203-5							1643	997	✓		↘	866	BM 203-5
													Sand Cyn Rd @ Condor
													Bridge Rd
													BM 3719-~~63~~65

280

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

SURVEY BY Randall WEATHER Overcast INST. NO. 75234

NOTES BY Rodriguez DATE 24 Mar 71 TIME 0:9:40 ROD NO. 1713AB

INDEXED G.J. GALLI DATE MAR 30 71 NOTES CHKD RCB DATE 30-3-71

T=66°

F.B. 4110 PG. 209

PLEASE RETURN TO

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Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
BM 203-5													FROM BM 203-5 TO BM 203-6A
1.	157	843	458	5	172 / 142	30	156	943	457	5	170 / 142	28	BM 203-5
													Sand Cyn Rd @ Condor Ridge
2.	187	133	488	5	210 / 164	46	68	219	369	5	91 / 45	46	Rd.
						76						74	FB 3719-65
3	252	675	553	5	172 / 132	40	30	081	331	5	51 / 9	42	
						116						116	⊼ Miyahira
4	238	778	539	5	260 / 216	44	85	463	386	5	108 / ~~26~~ 62	46	
						160						162	
5	225	553	526	5	246 / 204	42	60	803	361	5	81 / 39	42	
						202						204	
6	280	157	581	5	302 / 258	44	19	825	320	5	42 / 1/2 19	44	
						246						248	
7	192	047	493	5	225 / 159	66	6	630	307	5	38 / 1/2 6	64	
						312						312	
8	255	390	556	5	276 / 234	42	19	140	320	5	42 / 1/2 19	46	
						354						358	
9	232	899	533	5	246 / 218	28	64	123	365	5	76 / 52	24	
						382						382	
10	245	041	546	5	260 / 230	30	111	730 ~~730~~	412	5	126 / 96	30	
						412						412	
11	145	315	446	5	151 / 139	12	146	073	447	5	152 / 140	12	
	+2412	831	✓		✓	424	769	030	✓		✓	424	
	-769	030										424	
BM 203-6A	+1643	801	✓								✓	848	BM 203-6A
													Sand Cyn Rd @ Iron Cyn Rd
													FB 3719-63

F.B. 4110 PG. 210 JOB NO. 0020.05 0301.02

SURVEY OF L.A. Co. Precise Level Net Earthquake Study

SURVEY BY Randall NOTES Rodriguez 24 Mar 71

INDEXED [illegible] GALLI DATE

WEATHER Overcast INST. NO. 75234

TIME 0:10:40 ROD NO. 113 AB

NOTES CHKD RCB DATE 30-3-71

T=66°

76P526B CE # 308 8/68

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

SURVEY BY Randall

NOTES BY Miyahira DATE 24 March

INDEXED G.I. GALLI DATE MAR 30 71

WEATHER Calm & Clear

TIME 1310

NOTES CHKD RCB

INST. NO. 75234

ROD NO. 1713 A.B

DATE 30-3-71

T = 74

F.B. 4110 PG. 211

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
M 203-5													FROM BM 203-5 TO BM 203-4
1	144	280	445	5	172 / 116	56	52	835	353	5	79 / 25	54	BM 203-5
													Sand Cyn Rd @ Condor Ridge Rd
2	38	568	339	5	57 / 19	38	274	134	575	5	293 / 255	38 / ~~38~~	FB 3719-65
						94						92	
3	9	480	310	5	(1/2) 27 / 9	36 / ~~18~~	265	820	566	5	284 / 246	38	⊼ Anderson
						130						130	
4	25	591	326	5	46 / 4	42	212	603	513	5	232 / 192	40	
						172						170	
5	51	703	352	5	75 / 27	48	219	789	520	5	243 / 195	48	
						220						218	
6	22	962	323	5	44 / 0	44	275	892	576	5	300 / 250	50	
						264						268	
7	30	642	331	5	53 / 7	46	217	927	518	5	238 / 196	42	
						310						310	
8	36	332	337	5	70 / 2	68	263	022	564	5	298 / 228	70	
						378						380	
9	114	200	415	5	123 / 105	18	195	822	496	5	203 / 187	16	1
+	473	758 ✓			✓	396	1977	844 ✓			✓	396	
M 203-4							473	758				396	BM 203-4
							1504	086 ✓			✓	792	Sand Cyn Rd 0.5 mi N'ly from
													Condor Ridge Rd.
													FB 3719-63

207

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
203-4	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM 203-4 TO 203-5
1	277	612	578	5	277 ½) 244	66	33	909	334	5	68 ½) 33	70	B.M. 203-4
													Sand Cyn. Rd. 0.5 mi. North of Condor Ridge Rd.
2	236	798	537	5	261 211	50	60	638	361	5	83 37	46	F.B. 3719-63
						116						116	⊼ Rodriguez
3	264	452	565	5	286 242	44	38	610	339	5	61 15	46	
						160						162	
4	255	630	556	5	272 238	34	93	231	394	5	111 75	36	
						194						198	
5	272	892	573	5	272 ½) 238	68	23	511	324	5	54 ½) 23	62	
						262						260	
6	245	491	546	5	266 224	42	9	951	310	5	28 ½) 9	38	
						304						~~37~~ 298	
7	161	340	462	5	171 151	20	15	288	316	5	26 4	22	
						324						320	
8	290	241	591	5	290 ½) 266	48	180	800	481	5	206 154	52	
						372						372	
9	137	020	438	5	150 1284	26	181	549	482	5	195 167	28	B.M. 203-5
	+ 2141	476 ✓				398	637	487 ✓				400	Sand Cyn. Rd. @ Condor Ridge Rd.
B.M. 203-5	- 637	487										398	F.B. 3719-~~63~~65
	+ 1503	989 ✓										798	

T = 66°

WEATHER overcast - Calm INST. NO. 75234

TIME 13:05 ROD NO. 17[illegible]

NOTES CHKD RCB DATE 30-3-71

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Det Earthquake Study

SURVEY BY Randell NOTES JGR 25-Mar-71

INDEXED [illegible] GALLI DATE

76P526B CE # 308 8/68

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY Randall
NOTES BY Miyahira
INDEXED [redacted] GALL
DATE 24 March '71
DATE [redacted] 30 '71
TIME 1355
WEATHER Calm & Clear
INST. NO. 15234
ROD NO. 1713A-B
NOTES CHKD RCB
DATE 30-3-71
T = 76
F.B. 4110 PG. 213

STATION	BACKSIGHT RIGHT	MIC.	LEFT.		STADIA		FORESIGHT RIGHT	MIC.	LEFT.		STADIA		DESCRIPTION AND REMARKS
BM 203-4													FROM BM 203-4 TO BM 203-3A
34 1	58	125	359	5	81 35	46	254	237	555	5	279 229	50	BM 203-4
													Sand Cyn Rd 0.5 mi N'ly from
2	20	883	321	5	(½) 51 20	62	294	033	595	5	294 262	64	Condor Ridge Rd
						108						114	FB 3719-63
3	10	402	311	5	(½) 34 10	48	253	696	554	5	277 229	48	
						156						162	T Anderson
4	13	392	314	5	(½) 41 13	66	268	210	569	5	(½) 68 233	70 ~~66~~	
						222						232	
5	13	340	314	5	(½) 37 13	48	~~227~~	~~716~~	~~528~~	~~5~~	~~248 206~~	~~32~~	
						270	225	240	526	5	246 204	42	
6	54	474	355	5	38 30	48	183	640	484	5	204 162	274 42	
+	170	616				318	1479	050				316	
BM 203-3A							170	616				318	BM 203-3A
							1308	434				634	Sand Cyn Rd 0.5 mi S'ly from
													SPRR ~~(P.L. No 24)~~ (E. Side Road)
													FB 3719-62

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
203-3A	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM 203-3A TO 203-4
1	201	399	502	5	217 185	32	110	530	411	5	126 94	32	B.M. 203-3A
													Sand Cyn. Rd. (East Side)
2	232	470	533	5	250 214	36	65	148	366	5	84 46	38	F.B. 3719-62
						68						70	
3	289	951	590	5	½) 289 260	58	55	341	356	5	85 25	60	↑ Rodriguez
						126						130	
4	262	480	563	5	290 234	56	30	681	331	5	56 4	52	
						182						182	
5	257	072	558	5	281 233	48	12	800	313	5	½) 40 12	56	
						230						238	
6	265	848	566	5	291 239	52	75	498	376	5	96 54	42	
						282						280	
7	209	042	510	5	224 194	30	53	222	354	5	68 38	30	
						312						310	
8	164	138	465	5	166 162	4	170	889	471	5	172 168	4	B.M. 203-4
	+ 1882	400 ✓				↘ 316	- 574	109 ✓				↘ 314	Sand Cyn. Rd. 0.5 mi No. of Condor Ridge Rd
B.M. 203-4	- 574	109										316	F.B. 3719-63
	+ 1308	291 ✓										↘ 630	

F.B. 4110 PG. 214 JOB NO. 0301.02 0020.05

SURVEY OF L.A. Co. Precise Level Net Earthquake Study

SURVEY BY Randall NOTES JGR 25-Mar-71

INDEXED G. J. GALLI DATE

WEATHER overcast-calm INST. NO. 25234

TIME 11:30 ROD NO. 1713AL

NOTES CHKD RCB DATE 30-3-71

T = 600

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 203-3A TO BM 203-3
BM 203-3A													BM 203-3A
													Sand Cyn Rd 0.5 mi S'ly from
													SPRR (E'ly Side Road)
													FB 3719-62
1	94	398	395	5	97 97	6	156	768	457	5	159 153	6	⊼ Anderson
												6	
BM 203-3												6	BM 203-3
+	94	398					156	768			✓	12	Sand Cyn Rd 0.5 mi S'ly from
							94	398					SPRR (P1 #24
							62	370 ✓					FB 3719-61

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

SURVEY BY Randall

NOTES BY Miyahira DATE 24 March '71

INDEXED G. J. GALLI DATE MAR 30 71

WEATHER Calm & Clear TIME 1440

NOTES CHKD RCB

INST. NO. 7534

ROD NO. 1713 A18

DATE 30-3-71

F.B. 4110 PG. 215

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

WEATHER Calm & Clear INST. NO. 75236
TIME 1456 ROD NO. 1713A
NOTES CHKD RCG DATE 30-3-71

F.B. 4110 PG. 216 JOB NO. 030.02 0020.05
SURVEY OF LA Co Precise Level Net
SURVEY BY Randall NOTES Miyashiro
INDEXED G. I. GALLI DATE

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
BM 203-3	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 203-3 TO BM ~~203-3A~~
1													BM 203-3
													Sand Cyn Rd 0.5 mi S'ly from
													SPRR (P.I. No. 24)
													FB 3719-61
1	153	152	454	5	156 / 150	6	96	772	391	5	93 / 87	6	T Anderson
												6	
BM 203-3A												6	BM 203-3A
+	153	152					90	772				12	Sand Cyn Rd 0.5 mi S'ly from
-	90	772											SPRR (E'ly side Rd)
+	62	380 ✓											FB 3719-62

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

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

SURVEY BY Randall

NOTES BY " DATE 25-Mar-71

INDEXED C. J. GALLI DATE MAR 30 71

WEATHER overcast Calm INST. NO. 75234

TIME 10:10 ROD NO. 1713 AL

NOTES CHKD RCB DATE 30-3-71

F.B. 4110 PG. 217

T=58°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
203-3													FROM 203-3 TO 202-9
1	101	520	402	5	114 / 88	26	189	510	490	5	200 / 178	22	B.M. 203-3
													Sand Cyn. Rd. P.I. No 24
2	75	112	376	5	108 / 42	66	260	211	561	5	292 / 228	64	F.B. 3719-61
						92						86	
3	50	859	351	5	82 / 18	64	236	621	537	5	270 / 202	68	⊼ Rodriquez
						156						154	
4	54	749	355	5	90 / 18	72	214	058	515	5	250 / 178	72	
						228						226	
5	33	201	334	5	½) 70 / 33	74	242	690	543	5	279 / 205	74	
						302						300	
6	43	552	344	5	64 / 22	42	118	108	419	5	138 / 98	40	
						344						340	
7	159	878	460	5	180 / 138	42	14	190	315	5	½) 40 / 14	52	
						386						392	
8	178	558	479	5	182 / 174	8	185	552	486	5	188 / 182	6	B.M. 202-9 (H-486 U.S.C.&G.S.)
+	697	429	✓		↘	394	1460	940	✓		↘	398	Sand Cyn Rd. @ Sp.R.R. Bridge
B.M. 202-9							697	429				394	F.B. 2878-17
							763	511	✓		↘	792	

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
202-9													FROM 202-9 TO 203-3
1	188	490	489	5	197 185	6	181	462	482	5	185 177	8	B.M. 202-9 (U.S.C. & G.S. H 486)
													Sand Cyn. Rd. @ R.R. bridge
2	35	110	326	5	53 ½) 25	56	274	212	575	5	298 250	48	F.B. 2878-17
						62						56	
3	283	571	584	5	283 ½) 258	50	46	800	347	5	74 18	56	⊼ Rodriquez
		032				112						112	
4	227	988	528	5	261 193	68	67	978	368	5	102 32	70	
						180						182	
5	220	272	521	5	256 184	72	52	930	353	5	86 18	68	
						252						250	
6	274	601	575	5	274 ½) 239	70	65	088	366	5	92 38	54	
						322						304	
7	244	679	545	5	278 210	68	14	162	315	5	53 ½) 14	78	
						390						382	
8	220	508	521	5	223 217	6	219	538	520	5	224 214	10	B.M. 203-3
	+ 1685	219 ✓			↘	396	- 922	170 ✓			↘	392	Sand Cyn. Rd. P.I. No. 24
B.M. 203-3	- 922	170										396	F.B. 3719-61
	+ 763	049 ✓									↘	788	

F.B. 4110 PG. 218 JOB NO. 0020.05 0301.02

SURVEY OF L.A.Co. Precise Level Net Earthquake Study

SURVEY BY Randall NOTES J.G.R. 25-Mar-71

INDEXED G.J. GALLI DATE

WEATHER overcast Calm INST. NO. 75234

TIME 10:50 ROD NO. 1713 A.B.

NOTES CHKD. RCB DATE 30-3-71

T=60°

76F525B CE # 308 8/68

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

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

Do not extend notes this side of this line.

RERUN

STATION	BACKSIGHT RIGHT	MIC.	LEFT.	STADIA	FORESIGHT RIGHT	MIC.	LEFT.	STADIA	DESCRIPTION AND REMARKS
203-3									FROM B.M. 203-3 TO 202-9
1	67	380	368 5	92 42 50	257	512	558 5	283 ~~288~~ ~~330~~ 231 52	B.M. 203-3
2	29	842	330 5	67 ½) 29 76 126	235	401	536 5	272 198 74 ~~76~~ 126	Sand Cyn. Rd. E. Side F.B. 3719-61
3	23	462	324 5	60 ½) 23 74 200	227	592	528 5	262 192 70 196	⊼ Rodriquez (RERUN)
4	63	821	364 5	102 24 78 278	233	558	534 5	272 194 78 274	
5	58	601	359 5	93 23 70 348	178	982	479 5	214 142 72 346	
6	107	242	408 5	128 86 42 390	12	012	313 5	37 ½) 12 38 384	
7	238	240	539 5	242 234 8	206	789	507 5	210 202 8	B.M. 202-9 (U.S.C. & G.S. H. 486)
+	588	588	✓	↘ 398	1351	846	✓	↘ 392	Sand Cyn. Rd. @ S.P.R.R. bridge
B.M. 202-9					+ 588	588		398	F.B. 2878-17
					763	258	✓	↘ 790	

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

SURVEY BY Randall

NOTES BY " DATE 25-Mar-'71

INDEXED E. J. GALLI DATE MAR 30 '71

WEATHER overcast Lt. Brz. INST. NO. 75236

TIME 14:00 ROD NO. 1713A12

NOTES CHKD BCB DATE 30-3-71

T = 660

F.B. 4110 PG. 219