Notes Ck'd by	Survey of L.A.Co.PRECISE LEVEL NET
Map No.	JN 030102 Tape Std °F
Office Work	Surveyed by DREIER
Checked	Notes Date 1971
Date	Indexed

F. B. 4115 PG. 5

BOOK INDEX

	F.B. 4115 - PAGE
LINE NO. 13, 1971 RELEVELING	5 TO 92
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Notes Ck'd by	Survey of L.A. Co. PRECISE LEVEL NET	F. B. 4115 Pg. 7
Map No.	JN 0301.02 Tape Std °F	
Office Work	Surveyed by G.E. DREIER	
Checked	Notes Date 1971	
Date	Indexed G. J. GALLI JUN 10 1971	

JOB NO. 0301.02

L.A. Co. PRECISE LEVEL NET

LINE NO. 13, MAY-JUNE 1971 RELEVELING

DESC. REF.
F.B. 1379
F.B. 1380
F.B. 2886
F.B. 3709

DREIER
MALDONADO
SIEMANN
MCKNIGHT
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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76F309S CE#310 3-69

ROUTE SKETCH, LINE 13, 1971

F. B. 4115 PG 8

B.M. 11-53A
F.B. 3710-125
B.M. 11-52
F.B. 1376-48
LINE 11
BASE LINE RD
B.M. 11-54
F.B. 1376-50
B.M. 13-11
F.B. 1379-126
B.M. 11-43A
F.B. 2880-28
B.M. 11-43
F.B. 1376-41
B.M. 11-44
F.B. 1376-42
GLADSTONE ST.
B.M. 13-10C
F.B. 3709-248
FRUIT ST
B.M. 13-14
F.B. 3709-257
B.M. 13-13
F.B. 1380-143
B.M. 13-10B
F.B. 3709-247
B.M. 13-9
F.B. 1379-124
4th ST.
WALNUT AVE
PUDDING STONE CHANNEL
C.N. RD.
B.M. 13-8
F.B. 1379-123
SAN DIMAS AVE
C ST.
D ST.
7th ST.
WHITE AVE
BONITA
3rd ST
2nd ST
B.M. 13-12A
B.M. 13-18
F.B. 3709-262
B.M. 13-17
F.B. 3709-265
B.M. 13-16
F.B. 3709-263
GARFIELD AVE
SAN DIMAS
B.M. 13-14A
F.B. 2886-13
B.M. 13-7A
F.B. 3709-239
B.M. 13-6A
F.B. 3709-237
ARROW HWY.
B.M. 13-4A
F.B. 1379-120
B.M. 13-4
3709-231
B.M. 13-3B
F.B. ~~3709~~-1379-118 & 117
MAIN EXHIBIT BLDG #4
13-3A
F.B. 3709-229
MCKINLEY AVE
B.M. 13-2C
F.B. 3709-227
B.M. 13-2A
F.B. 3709-225
B.M. 13-2B
F.B. 1379-113
S.B. FRWY.
B.M. 13-1
F.B. 3709-221
ORANGE GROVE AVE
B.M. 11-83A
F.B. 2880-38
HOLT AVE
R.R.
LINE 11
11-80
1ST AVE
11-79A

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76P526B CE# 308 8-59

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

SURVEY BY L.A. CO. PRECISE LEVEL NET WEATHER OVERCAST INST. NO. 9676

NOTES BY SIEMANN DATE 5-26-71 TIME 9:45 TO 9:55 ROD NO. 9549

INDEXED G. J. GALLO DATE 11 71 NOTES CHKD DATE

F.B. 4115 PG. 9

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	152	539	453 5	154 150 4	176	080	477 5	203 149 54	54M- 4 M= 50 M=0.20 mm
2	148	852	449 5	150 146 4	125	322	426 5	152 98 54	54M- 4 M= 50 M=0.20 mm
	301	391			301	402		108	
		362		8		040		8	
	+	029			-0.	mm			Curvature Corr.=0.40 mm
						362		100	
					-				
		+	003	mm= "C"					
	100	029							
							mm= "C"		

76P526B CE # 308 8-59

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

SURVEY BY G.E. Drier

NOTES BY Maldonado DATE 5-27-71

INDEXED G. J. GALLO DATE JUN 11 71

WEATHER Cloudy

TIME ~~8:55~~ 9:10

NOTES CHKD

DATE

INST. NO. 96711

ROD NO. 95[illegible]

F.B. 4112 PG. 11

1-54°

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	148	478	449 5	150 146 4	160	138	461 5	187 133 54	54 M- 4 M= 50 M=0.20 mm
2	152	877	453 5	154 150 4	141	196	442 5	168 114 54	54 M- 4 M= M=0.20 mm
	301	355		8	301	334		108	
	301	294				040 mm		8	
	+	061			-0.	mm			Curvature Corr.=0.40 mm
					301	294		100	
					-				

+ .006 mm= "C"

100 / 0.610

mm= "C"

76P526B CE # 308 8-59

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET 1-56

SURVEY BY G.E. Dreier WEATHER Cloudy INST. NO. 96714

NOTES BY Maldonado DATE 5-28-71 TIME 12:30 ROD NO. 95E94

INDEXED G. J. GALLO DATE JUN 11 71 NOTES CHKD DATE

P.B. 4115 PG. 13

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	574	444 5	145 141 4	109	901	410 5	137 81 56	56 M- 4 M= 52 M=0.20 mm
2	153	662	454 0	155 151 4	187	331	488 5	115 159 56	56 M- 4 M= 52 M=0.20 mm
	297	236			297	232		112	
	297	192		8		040		8	
	+	044			-0.	mm			Curvature Corr.=0.40 mm
					297	192		104	
					-				
			004	mm= "C"					
	104	0	440						
							mm= "C"		

76P526B CE # 308 8-59

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T=60° P.B. 4115 PG. 15

SURVEY BY G.E. DREIER WEATHER PTLY CLOUDY INST. NO. 96716

NOTES BY SIEMANN DATE 6-1-71 TIME 8:50 TO 9:00 ROD NO. 95896

INDEXED [illegible] DATE JUN 11 71 NOTES CHKD. DATE

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	482	452 5	153 149 4	185	070	486 5	213 157 56	56 M- 4 M= 52 M=0.20 mm
2	143	372	444 5	145 141 4	109	659	410 5	137 81 56	56 M- 4 M= 52 M=0.20 mm
	294	854			294	729		112	
	294	689		8		040		8	
	+	165			-0.	mm			Curvature Corr.=0.40 mm
					294	689		104	
					-				
		0 0 1 5 mm= "C"							
	104	165							
		104							
		61							
							mm= "C"		

76P526B CE # 308 8-59

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

SURVEY BY G.E. DREIER WEATHER OVERCAST INST. NO. 96716

NOTES BY SIEMANN DATE 6-2-71 TIME 8:50 TO 9:00 ROD NO. 95 & 9

INDEXED C. J. GALLI DATE JUN 11 71 NOTES CHKD DATE

P.B. 4115 PG. 17

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	146	622	447 5	148 144 4	85	148	386 5	112 58 54	54 M- 4 M= 50 M=0.20 mm
2	153	168	454 5	155 151 4	214	639	515 5	241 187 54	54 M- 4 M= 50 M=0.20 mm
	299	790			299	787		108	
	299	747		8	299	040		8	
	+	043			-0.	mm			Curvature Corr.=0.40 mm
						747		100	
					-				
	100	0	004	mm= "C"					
		0	43						
							mm= "C"		

76P526B CE # 308 8-59

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T-
SURVEY BY G.E. Dreier WEATHER Overcast INST. NO. 96716
NOTES BY Maldonado DATE 6-3-71 TIME 2:15 ROD NO. 95896
INDEXED G.J. GALO DATE JUN 11 71 NOTES CHKD DATE
F.B. 4115 PG. 17A

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 / 47	612	454	5 155 / 151 4	174	379	475	5 201 / 147 54	54 M- 4 M= 50 M=0.20 mm
2	155	765	456	5 157 / 153 4	134	973	435	5 161 / 107 54	54 M- 4 M= 50 M=0.20 mm
	309	377		8	309	352		108	
	309	312				040 mm		8	
	+	065			-0. mm				Curvature Corr.=0.40 mm
					309	312		100	
					-				

+0.006 mm= "C"
100 / 0.650

mm= "C"

76P526B CE # 308 8-59

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET 1-70 P.B. 4115 PG. 19

SURVEY BY G.E. Dreier WEATHER Hazy Sun INST. NO. 96716

NOTES BY Maldonado DATE 6-4-71 TIME 10-20 ROD NO. 95 & 96

INDEXED G. J. GALLO DATE JUN 11 71 NOTES CHKD DATE

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	047	452 5	153 149 4	175	380	476 5	202 148 54	54 M- 4 M= 50 M=0.20 mm
2	141	148	442 5	143 139 4	116	813	417 5	143 89 54	M- M= M=0.20 mm
	292	195		8	292	193		108	
	292	153				040 mm		8	
	+	042			~~-0.~~	~~mm~~			Curvature Corr.=0.40 mm
					292	153		100	
					-				

+ 0.004 mm= "C"

100 / 0.420

mm= "C"

76P526B CE # 308 8-59

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET J-60

SURVEY BY G.E. Dreier

NOTES BY Maldonado DATE 6-7-71 WEATHER Overcast INST. NO. 9671

INDEXED G. J. GALLO DATE JUN 11 71 TIME 8:30 ROD NO. 95896

NOTES CHKD DATE

F.B. 4115 PG 21

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	162	151	463 5	164 160 4	243	213	544 5	270 216 54	54 M- 4 M= 50 M=0.20 mm
2	150	957	451 5	152 148 4	69	960	370 5	96 42 54	M- 4 M= M=0.20 mm
	313	108		8	313	173		108	
	+					040 mm		8	Curvature Corr.=0.40 mm
					-0.	mm			
					313	133		100	
					313	108			
					-	023			

mm= "C"

-0.002 mm= "C"

100 / 0.230

76P526B CE # 308 8-59

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

SURVEY BY C. E. Dreier WEATHER Overcast INST. NO. 96716

NOTES BY Maldonado DATE 6-8-71 TIME 8:50 ROD NO. 95896

INDEXED G. J. GALLI DATE JUN 11 '71 NOTES CHKD DATE

F.B. 4115 PG. 23

7-58"

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	157	180	458 5	159 155 4	196 ~~202~~	790	497 5	223 169 54	54 M- 4 M= 50 M=0.20 mm
2	152	521	453 5	154 150 4	112	920	413 5	139 85 54	54 M- 4 M= 50 M=0.20 mm
	309	701		8	309	710		108	
	309	670				040 mm		8	Curvature Corr.=0.40 mm
	+	031			~~0.~~	~~mm~~			
					309	670		100	
					-				

+ 0.003 mm= "C"

100 / 0.310

mm= "C"

76P526B CE # 308 8/68

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 11-79A TO B.M. 11-80
B.M. 11-79A													B.M. 11-79A
1	81	151	382	5	125 37	88	193	206	494	5	235 151	84	FIRST ST. & TOWNE AVE.
													SEE F.B. 2880-37
2	82	279	383	5	122 42	80	169	431	470	5	208 130	78	
						168						162	
3	60	938	361	5	98 22	76	226	959	427	5	267 185	82	π = MALDONADO
						244						244	
4	146	470	447	5	150 142	8	196	867	497	5	100 192	8	
						252 ✓						252 ✓	
BM 11-80												252	B.M. 11-80
	370	838 ✓					786	463 ✓				504	FIRST ST. & ELM ST.
							370	838					SEE F.B. 1376-71
							415	625 ✓					

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

SURVEY BY G.E. DREIER WEATHER OVERCAST INST. NO. 96716

NOTES BY SIEMANN DATE 5-26-71 TIME 9:55 TO 10:10 ROD NO. 95896

INDEXED C. J. GALLI DATE JUN 11 71 NOTES CHKD RCB DATE 6-16-71

F.B. 4115 PG. 25

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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. 11-80 TO B.M. 11-79A
B.M. 11-80													B.M. 11-80
1	208	562	509	5	239 / 117	62	29	592	330	5	60 / 29	62	FIRST ST. & ELM. ST.
													SEE F.B. 1376-71
2	188	410	489	5	219 / 157	62	129	623	430	5	159 / 99	60	
						124						122	
3	171	227	472	5	200 / 142	58	87	351	388	5	112 / 62	50	T = MALDONADO
						182						172	
4	173	237	474	5	198 / 148	50	123	809	424	5	153 / 93	60	
						232						232	
5	155	239	456	5	164 / 146	18	110	537	411	5	119 / 101	18	
						250 ✓						250	B.M. 11-79A
B.M. 11-79A												250	FIRST ST. & TOWNE AVE.
	896	675 ✓					480	912 ✓				500	SEE F.B. 2880-37
	480	912											
+	415	763 ✓											

T = 70°

WEATHER PTLY CLOUDY INST. NO 96715

TIME 9:20 TO 9:40 ROD NO. 9588

NOTES CHKD RCB DATE 6-16-71

F.B. 4113 PG. 26 JOB NO. 0301.02

SURVEY OF L.A.CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 6-1-71

INDEXED G.I. GALLI DATE

76P526B CE # 308 8/68

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T = 60°
SURVEY BY G.E. DREIER
NOTES BY SIEMANN
INDEXED C.J. GALL
DATE 5-26-71
DATE JUN 11 71
WEATHER OVERCAST
TIME 10:10 TO 10:50
NOTES CHKD RKB
INST. NO. 96716
ROD NO. 95496
DATE 6-15-71
F.B. 4115 PG. 27

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 11-80 TO B.M. 11-83A
B.M. 11-80													B.M. 11-80
1	186	320	487	5	222 186	72	208	072	509	5	244 172	72	FIRST ST. & ELM. ST.
													SEE F.B. 1376-71
2	118	421	419	5	151 85	66	124	886	425	5	157 91	66	
						138						138	
3	134	009	435	5	162 106	56	196	663	497	5	226 166	60	
						194						198	
4	133	878	434	5	170 96	74	151	562	452	5	185 117	68	T = MALDONADO
						268						266	
5	147	893	448	5	184 110	74	238	697	539	5	274 202	72	
						342						338	
6	155	969	456	5	194 116	78	156	789	457	5	196 116	80	
						420						418	
7	90	589	391	5	127 53	74	229	631	530	5	265 193	72	
						494						490	
8	126	122	427	5	165 87	78	170	230	471	5	211 129	82	
						572 ✓						572 ✓	
B.M. 11-83A												572	B.M. 11-83A
	1093	201 ✓					476	530 ✓			✓	1144	FIRST ST. & WHITE AVE.
							1093	201					SEE F.B. 2880-38
						-	383	329 ✓					

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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 B.M. 11-83A TO B.M. 11-80
B.M. 11-83A													B.M. 11-83A
1	180	262	481	5	234 126	108	75	489	376	5	127 23	104	FIRST ST. & WHITE AVE.
													SEE F.B. 2880-38
2	216	931	517	5	266 166	100	154	459	455	5	204 104	100	
						208						204	
3	181	706	482	5	226 136	90	111	930	412	5	159 63	96	
						298						300	⊼ = MALDONADO
4	170	829	471	5	224 116	108	51	929	352	5	105 51	108	
						406						408	
5	210	934	511	5	250 170	80	130	411	431	5	167 93	74	
						486						482	
6	106	440	407	5	131 81	50	127	803	428	5	154 100	54	
						536						536	
7	149	481	450	5	166 132	34	181	337	482	5	198 164	34	
						570 ✓						570 ✓	
B.M. 11-80												570	B.M. 11-80
	1216	583 ✓					833	358 ✓				1140	FIRST ST. & ELM ST.
	833	358											SEE F.B. 1376-71
	+383	225 ✓											

F.B. 4115 PG. 28 JOB NO. 0301.02

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 5-28-71

INDEXED [illegible] DATE

WEATHER OVERCAST INST. NO. 96716

TIME 2:20 TO 5:30 ROD NO. 95896

NOTES CHKD RCB DATE 6-16-71

T = 58°

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 B.M. 11-83A TO B.M. 13-1
B.M. 11-83A													B.M. 11-83A
1	44	980	345	5	70 18	52	200	979	501	5	224 176	48	FIRST ST. & WHITE AVE.
													SEE F.B. 2880-38
2	40	663	341	5	54 26	28	299	611	600	5	299 287	24	
						80						72	
3	9	068	310	5	120 9	22	244	610	545	5	258 230	28	
						102						100	
4	181	466	482	5	194 168	26	3	198	304	5	18 3	30	
						128						130	T = MALDONADO
5	296	879	597	5	296 284	24	5	467	306	5	18 5	26	
						152						156	
6	283	710	584	5	274 272	22	30	301	331	5	41 19	22	
						174						178	
7	245	208	546	5	275 215	60	109	520	410	5	138 80	58	
						234						236	
8	192	912	493	5	221 163	58	167	067	468	5	197 137	60	
						292 ✓						296 ✓	
B.M. 13-1												292	B.M. 13-1
	1294	886 ✓					1060	753 ✓				588	WHITE AVE & HOLT AVE.
	1060	753											SEE F.B. 3709-221
	+234	133 ✓											

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T=62°

SURVEY BY G.E. DREIER

NOTES BY SIEMANN DATE 5-26-71

INDEXED [illegible] J. GALLI DATE JUN 11 71

WEATHER OVERCAST INST. NO 96716

TIME 10:55 TO 11:35 ROD NO 95296

NOTES CHKD RCB DATE 6-16-71

F.B. 4115 PG. 29

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 B.M. 13-1 TO B.M. 11-83A
B.M. 13-1													B.M. 13-1
1	160	121	461	5	184 136	48	194	749	495	5	218 170	48	WHITE AVE. & HOLT AVE
													SEE F.B. 3709-221
2	117	262	418	5	147 87	60	217	192	519	5	247 187	60	
						108						108	
3	106	447	407	5	136 76	60	198	624	499	5	227 169	58	π = MALDONADO
						168						166	
4	121	708	422	5	168 74	94	129	191	430	5	178 80	98	
						264						264	
B.M. 11-83A												264	B.M. 11-83A
	505	538					739	756				528	1ST ST. & WHITE AVE
							505	538					SEE F.B. 2880-38
							234	218					

T = 58°

WEATHER OVERCAST INST. NO. 96716

TIME 1:40 TO 2:10 ROD NO. 95896

NOTES CHKD RCB DATE 6-16-71

4115 PG. 30 JOB NO. 0301.02

SURVEY OF L.A.CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 5-28-71

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
									FROM BM 13-1 TO BM 13-2A
BM 13-1				304				134	BM 13-1
1	270	091	571 5	236 68	100	081	401 5	66 68	White Ave. & Holt Ave. S.W. Cor
				273				142	See F.B. 3709-221
2	228	480	529 5	183 90	97	751	398 5	52 90	
				244 158				112 158	
3	244	310	545 5	200½ 88	68	221	369 5	24 88	
				256 246				146 246	Π-Siemann
4	216	620	517 5	176 80	108	741	409 5	70 76	
				273 326				101 322	
5	273	109	574 5	228½ 90	59	011	360 5	17 84	
				291 416				100 406	
6	253	391	554 5	253½ 76	57	521	358 5	14 86	
				290 492				371 492	
7	257	800	558 5	224 66	10	758	311 5	10½ 54	
				272 558				88 546	
8	260	611	561 5	248 24	69	000	370 5	50 38	
				582 ✓				584 ✓	
								582	
	2004	412 ✓			571	084 ✓		1166 ✓	
	571	084							
	+1433	028 ✓							
		3							
BM 13-2A									BM 13-2A (Met. Water Dist. 62B)
									Orange Grove Ave. & Wisconsin St.
									See F.B. 1379-113

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

SURVEY BY G.E. Dreier

NOTES BY Maldonado DATE 5-26-71

INDEXED G. J. GALLI DATE JUN 11 '71

WEATHER Overcast INST. NO. 96716

TIME 11:35 to 12:15 ROD NO. 95896

NOTES CHKD RCB DATE 6-16-71

T-64°

F.B. 4115 PG. 31

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 BM13-2A TO BM13-1
BM 13-2A				81				269	BM 13-2A (Met. Water Dist. 62-B)
1	65	961	366 5	49 32	253	747	554 5	237 32	Orange Grove & Wisconsin St.
				81				250	See F.B. 1379-113
2	66	472	367 5	51 30	235	390	536 5	220 30	
				82 62				287 62	
3	44	074	345 5	6 76	249	100	550 5	211 76	
				125 138				266 138	
4	88	629	389 5	51 74	230	888	531 5	194 72	π-Siemann
				112 212				267 210	
5	75	559	376 5	38 74	230	423	531 5	193 74	
	96			137 286		178		286 284	
6	~~95~~	039	397 5	55 82	244	~~128~~	545 5	202 84	
				130 368				282 368	
7	88	268	389 5	46 84	240	000	541 5	198 84	
				130 452				240 452	
8	99	350	400 5	68 62	210	859	511 5	180 60	
				128 514				291 512	
9	92	360	393 5	56 72	255	430	556 5	219 72	
				586 ✓				584 ✓	
								586	
	716	712 ✓			2150	015 ✓		1170 ✓	
					716	712			
					1433	303 ✓			
BM 13-1									BM 13-1
									White Ave. & Holt Ave. S.W.C.
									See F.B. 3709-221

T-58°

WEATHER Cloudy INST. NO 96716

TIME 12:50 to 1:35 ROD NO 95 & 96

NOTES CHKD RCB DATE 6-16-71

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 5-28-71

INDEXED C. J. GALLI DATE

4115 32

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 BM 13-2A TO BM 13-2B
BM 13-2A									BM 13-2A (Met. Water Dist. 62-B)
				197			~~281~~	281	Orange Grove & Wisconsin St
1	178	330	479 5	159 38	261	319	562 5	241 40	see F.B 1379-113
				74				303	
2	50	760	351 5	26 48	280	089	581 5	257 46	
				64 86				291 86	K-Siemann
3	44	381	345 5	24 40	271	693	572 5	251 40	
				130 126				218 126	
4	123	080	424 5	116 14	211	560	512 5	204 14	
				140 ✓				140 ✓	
								140	
	396	551 ✓			1024	661 ✓		280 ✓	
					396	551			
					-628	110 ✓			
									BM 13-2B
BM 13-2B									White Ave & Orange Ave. S.E. Cor.
									See F.B. 3709-225

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

SURVEY BY G. E. Dreier

NOTES BY Maldonado DATE 5-26-71

INDEXED L. J. GALLI DATE JUN 11 '71

WEATHER Hazy Sun INST. NO. 96716

TIME 1:25 to 1:40 ROD NO. 95-896

NOTES CHKD RCB DATE 6-16-71

T-71°

F.B. 4115 PG. 33

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 13-2B TO BM 13-2A
BM 13-2B					299 1/2						68		BM 13-2B
1	299	184	600	5	278 1/2	42	45	769	346	5	22	46	White Ave. & Orang Ave. S.E. Co
					296 1/2						70		See F.B. 3709-225
2	296	891	597	5	272 1/2	48	47	981	348	5	24	46	
					249	90					104	92	
3	235	999	536	5	221	28	89	028	390	5	74	30	
					174	118					194	122	π-Siemann
4	168	562	469	5	162	12	189	720	490	5	184	10	
						130 ✓						132 ✓	
												130	
	1000	636 ✓					372	498 ✓				262	BM 13-2A (Met. Water Dist.
	372	498											62-B)
BM 13-2A	+628	138 ✓											Orange Grove Ave. & Wisconsin
													See F.B. 1379-113

T-62°

WEATHER Cloudy INST. NO. 9671

TIME 12:35 to 12:50 ROD NO. 95 & 96

NOTES CHKD. RCB DATE 6-16-71

F.B. 4115 PG. 34 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 5-28-71

INDEXED [illegible] 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 G. E. Dreier DATE 5-26-71 WEATHER Hazy Sun INST. NO. 96716
NOTES BY Maldonado TIME 2:40 to 2:20 ROD NO. 95294
INDEXED L. J. GALLI DATE JUN 11 71 NOTES CHKD RCB DATE 6-16-71

T-12

F.B. 4115 PG. 35

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													From BM 13-2B to BM 13-2C
BM 13-2B					280						96		BM 13-2B
1	254	378	555	5	228	52	471	420	372	5	46	50	White Ave. & Orange Ave. S.E. Cor
					277						115		See F.B. 3709-225
2	248	695	549	5	219	58	86	443	387	5	57	58	
					276	110					150	108	
3	276	670	577	5	240	72	114	991	415	5	78	72	T-Siemann
						182					75	180	
4	267	280	568	5	235	64	45	650	346	5	15	60	
					229	246					146	240	
5	229	140	530	5	206	46	120	267	421	5	94	52	
					253	292					87	292	
6	221	631	522	5	189	64	57	194	358	5	27	60	
					269	356					84	352	
7	246	642	547	5	223	46	61	330	362	5	38	46	
					280	402					54	398	
8	263	179	564	5	246	34	32	082	333	5	10	44	
					264	436					149	442	
9	250	779	551	5	236	28	138	660	439	5	127	22	
						464 ✓						464 ✓	
												464	
	2258	394 ✓					728	037 ✓				928 ✓	
	728	037											
	1530	357 ✓											
BM 13-2C													BM 13-2C (U.S. Corps of Eng. T.S.J. 118)
													White Ave. & McKinley Ave. S.W. Cor.
													F.B. 3709-227

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 BM 13-2C TO BM 13-2B
BM 13-2C													BM 13-2C
1	14	341	315	5	39 14 ½	50	294	512	595	5	294 270½	48	White Ave & McKinley Ave.
													See F.B. 3709-227 S.W. Cor
2	11	700	312	5	37 11 ½	52	252	999	553	5	279 225	54	
						102					289	102	
3	23	946	324	5	66 23 ½	86	244	749	545	5	199	90	
						188					308	192	π-Siemann
4	116	147	417	5	148 84	64	279	700	580	5	250	58	
						252						250	
5	42	724	343	5	78 6	72	217	771	518	5	252 182	70	
						324						320	
6	31	800	332	5	80 31 ½	98	290	022	591	5	290 246½	88	
						422					271	408	
7	47	328	348	5	74 20	54	238	412	539	5	205	66	
						476 ✓						474 ✓	
												476	
	287	986 ✓					1818	1~~4~~6 5 ✓				950 ✓	
							287	986					
							530	1~~5~~7 9 ✓					
													BM 13-2B
													White Ave. & Orange Grove Ave
BM 13-2B													See F.B. 3709-225

T-62"

F.B. 4115 PG. 36 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 5-27-71

INDEXED [illegible] DATE

WEATHER Cloudy INST. NO. 96716

TIME 2:55 to 3:35 ROD NO. 95[illegible]

NOTES CHKD RCB DATE 6-16-71

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
													FROM BM 13-2C TO BM 13-3A
BM 13-2C					169						246		BM 13-2C (U.S. Corps of Eng. T.S.J. 118)
1	146	491	447	5	123	46	222	999	523	5	198	48	White Ave. & McKinley Ave
					219		117				131		F.B. 3709-227
2	205	217	506	5	191	28	~~118~~	911	418	5	103	28	
					265	74					110	76	
3	238	210	539	5	211	54	84	208	385	5	58	52	⊼ - Siemann
					~~258~~	~~128~~						128 ✓	
~~4~~	~~229~~	~~286~~	~~530~~	~~5~~	~~200~~	~~58~~						128	
	589	918 ✓				~~186~~	425	118 ✓				256 ✓	
	425	118				128 ✓							BM 13-3A (Sta. A-1)
	1164	800 ✓											L.A. Co. Fair Grounds, 580 Ft. SE'ly
BM 13-3A													of Main Exhibit Bldg. (#4).
													See F.B. 3709-229

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

SURVEY BY G.E. Dreier

NOTES BY Maldonado DATE 5-26-71

INDEXED G. J. GALLI DATE JUN 11 71

WEATHER Hazy Sun

TIME 2:20 to 2:35

NOTES CHKD. RCB

INST. NO. 96716

ROD NO. 95896

DATE 6-16-71

T-72°

F.B. 4115 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
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 13-3A TO BM 13-2C
BM 13-3A													BM 13-3A (Sta. A-1)
~~1~~	~~221~~	~~779~~	~~522~~	~~5~~	~~267~~ ~~175~~	~~92~~					243		L.A. Co. Fair Grounds, 580 Ft. SE'ly.
1	180	919	481	5	214 146	68	209	345	510	5	175	68	of Main Exhibit Bldg. (#4)
~~2~~											197		See F.B. 3709-229
2	33	950	334	5	60 6	54	170	229	471	5	143	54	
~~3~~						122 ✓						122 ✓	
												122	ACB ↑ R. SIEMANN
	214	869 ✓					379	574 ✓				244	
							214	869					
							164	705 ✓					BM 13-2C (U.S. Corps of Eng. T.S.J. 118)
													White Ave. & McKinley Ave. S.W. Cor.
BM 13-2C													See F.B. 3709-227

F.B. 4115 PG. 38 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 5-27-71

INDEXED G.J. GALLI DATE

WEATHER T-56° INST. NO. 96716

TIME 2:35 to 2:55 ROD NO. 95 & 96

NOTES CHKD RCB DATE 6-16-71

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						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM13-3A TO BM13-3B
BM13-3A													BM 13-3A (Sta. A-1)
					293						79		L.A. Co. Fair Grounds, 580 Ft. SE'ly
1	293	150	594	5	267	52	53	060	354	5	27	52	of Main Exhibit Bldg. (#4).
					223						161		See F.B. 3709-229
2	210	658	511	5	197	26	148	800	449	5	135	26	X-Siemann
												78 ✓	
						78 ✓						78	
	503	808 ✓					201	860 ✓				156 ✓	
	201	860											
	301	948 ✓											
BM 13-3B													BM 13-3B (Sta. A-2)
													L.A. Co. Fair Grounds, 78.0 Ft. SE'ly
													of S.E. Cor. of Main Exhibit Bldg. (#4)
													See F.B. 1379-118

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

SURVEY BY G. E. Dreier

NOTES BY Maldonado DATE 5-26-71 WEATHER Hazy Sun INST. NO. 96716

INDEXED J. GALLI DATE JUN 11 71 TIME 2:35 to 2:45 ROD NO. 95 & 96

NOTES CHKD RCB DATE 6-16-71

F.B. 4115 PG. 39

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 13-3B TO BM 13-3A
BM 13-3B													BM 13-3B (Sta. A-2)
					148						257		L.A.Co. Fair Grounds, 78.0 Ft. S.E.
1	129	077	430	5	110	38	238	751	539	5	219	38	of S.E. Cor. of Main Exhibit
					90						281		Bldg. (#4).
2	69	571	370	5	48	42	261	770	562	5	241	40	See F.B. 1379-118
						80 ✓						78 ✓	
												80	T-Siemann
	198	648 ✓					500	521 ✓				158 ✓	
							198	648					
BM 13-3A							301	873 ✓					BM 13-3A (Sta. A-1)
													L.A.Co. Fair Grounds, 580 Ft.
													S.E'ly. of Main Exhibit
													Bldg. (#4).
													See F.B. 3709-229

WEATHER Cloudy INST. NO. 96714

TIME 2:25 to 2:35 ROD NO. 9529

NOTES CHKD RCB DATE 6-16-71

T-56°

F.B. 4145 PG. 40 JOB NO. 0301.02

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 5-27-71

INDEXED [redacted] 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
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 13-3B TO BM 13-4
M 13-3B													BM 13-3B (Sta. A-2)
					296½						82		L.A. Co. Fair Grounds, 78.0 Ft. S.E.'ly
1	296	731	597	5	274	50	59	259	360	5	36	46	of S.E. Cor. of Main Exhibit Bldg. (#4).
					283						102		See F.B. 1379-118
2	257	645	558	5	231	52	76	420	377	5	50	52	T-Miyahira
					231	102					142	98	
3	209	670	510	5	185	46	117	957	418	5	92	50	
						148 ✓						148 ✓	
												148	
	764	046 ✓					253	636 ✓				296 ✓	
	253	636											BM 13-4 (Sta. A-3)
BM 13-4	510	410 ✓											L.A. Co. Fair Grounds, 88.3 Ft. N.E.'ly
													of N.E. Cor. of Main Exhibit Bldg. (#4).
													See F.B. 3709-231

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

SURVEY BY G.E. Dreier

NOTES BY Maldonado DATE 5-26-71

INDEXED G. J. GALLI DATE JUN 11 '71

WEATHER Hazy Sun

TIME 2:45 to

NOTES CHKD RCB

INST. NO. 96716

ROD NO. 95E96

DATE 6-16-71

T-74°

F.B. 4115 PG. 44

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 13-4 TO BM 13-3B
BM 13-4													BM 13-4 (Sta. A-3)
					124						256		L.A. Co. Fair Grounds, 88.3 Ft. NE'ly
1	95	695	396	5	66	58	226	777	527	5	196	60	of N.E. Cor. of Main Exhibit
					41						272		Bldg. (#4).
2	41	237	342	5	12 ½	58	243	670	544	5	214	58	See F.B. 3709-231
					89	116					265	118	
3	76	334	377	5	63	26	253	183	554	5	241	24	
						142 ✓						142 ✓	
												142	
	213	066 ✓					723	630 ✓				284 ✓	X-Miyhira
		2					213	2066					
							510	364 ✓					BM 13-3 B (Sta. A-2)
BM 13-3B													L.A. Co. Fair Grounds, 78.0 Ft. SE'l
													of SE. Cor. of Main Exhibit
													Bldg. (#4)
													See F.B. 1379-118

T-54°

WEATHER Cloudy INST. NO. 96716

TIME 2:00 to 2:20 ROD NO. 95891

NOTES CHKD RCB DATE 6-16-71

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 5-27-71

INDEXED G.J. GALLI DATE

4115 PG. 42

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 BM 13-4 TO BM 13-4A
BM 13-4									BM 13-4 (Sta. A-3)
1	300	691	601 5	300 271 2 58	76	305	377 5	104 48 56	L.A. Co. Fair Grounds, 88.3 Ft. N.E'ly
									of N.E. Cor. of Main Exhibit Bldg
2	249	064	550 5	273 225 48	40	040	341 5	64 16 48	(Bldg. #4)
				106				118 104	See F.B. 3709-231
3	229	286	530 5	258 200 58	90	881	391 5	62 56	
				164				221 160	
4	2 640	430	541 5	276 204 72	185	012	486 5	149 72	X-Miyahira
				236 ✓				232 ✓	
								236	
	1019	471 ✓			392	238 ✓		468 ✓	
BM 13-4A	392	238							BM 13-4A (Sta. A-12)
	+627	233 ✓							L.A. Co. Fair Grounds ± 40 Ft. S.W'ly
									of Barn No. 11.
									See F.B. 1379-120

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

SURVEY BY G. E. Dreier

NOTES BY Maldonado DATE 5-26-71

INDEXED B. J. GALLI DATE JUN 11 '71

WEATHER Hazy Sun INST. NO 96716

TIME 3:00 to 3:20 ROD NO 95896

NOTES CHKD RCB DATE 6-16-71

T-74°

F.B. 4115 PG. 43

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 13-4A TO BM 13-4
BM 13-4A													BM 13-4A (Sta. A-12)
					220						290		L.A. Co. Fair Grounds ± 40 Ft. S.W'ly
1	183	918	484	5	146	74	252	492	553	5	214	76	of Barn 11
					129						213		See F.B. 1379-120
2	106	202	407	5	83	46	190	633	491	5	167	46	
						120		271			286	122	
3	3	000	304	5	36½ 32	66	286	~~221~~	587	5	252½	68	
					102	186					291	190	π- Miyahira
4	76	709	377	5	50	52	267	651	568	5	243	48	
						238 ✓						238 ✓	
												238	
	369	829 ✓					997	047 ✓				476 ✓	
							369	829					
							627	218 ✓					
BM 13-4													BM 13-4 (Sta. A-3)
													L.A. Co. Fair Grounds, 88.3 Ft. NE'ly of N.E. Cor. of Main Exhibit Bldg (#4)
													See F.B. ~~1379-1~~ 3709-231

T-54°

WEATHER Cloudy INST. NO. 9671

TIME 1:30 to 2:00 ROD NO. 95 & 96

NOTES CHKD RCB DATE 6-16-71

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 5-27-71

INDEXED [illegible] 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 G.E. Drell

NOTES BY Maldonado DATE 5-27-71

INDEXED G.J. GALLI DATE JUN 11 71

WEATHER Cloudy

TIME 9:20 to 11:05

NOTES CHKD RCB DATE 6-16-71

T-54°

F.B. 4115 PG. 45

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 13-4A TO BM 13-6A
BM 13-14A					181						165		BM 13-4A (Station A-12)
1	145	769	446	5	109	72	129	015	430	5	93	72	L.A. Co. Fair Grounds ±40 Ft. SW'ly
					294						51		of Barn No. 11
2	294	576	595	5	247½	94	3 ~~5~~	592	304	5	3½	96	See F.B. 1379-120
					290	166					59	168	
3	290	360	591	5	253½	74	22	814	323	5	22½	74	
					291	240					61	242	
4	291	544	592	5	248½	88	17	552	318	5	17½	88	π-Miyahira
					300	326					77	330	
5	263	653	564	5	226	74	42	310	343	5	42½	70	
					291	400					75	400	
6	256	305	557	5	221	70	40	470	341	5	5	70	
					286	470					77	470	
7	260	839	561	5	234	52	51	823	352	5	25	52	
						522 ✓						522 ✓	
												522	
	1803	046 ✓					307	576 ✓				1044 ✓	
	307	576											
+	1495	470 ✓											
BM 13-6A													BM 13-6A
													White Ave. & Arrow Hwy. ℄ Int.
													See F.B. 3709-237

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 13-6A TO BM 13-4A
BM 13-6A					74						267		BM 13-6A (Rd. Dept. Mon.)
1	48	395	349	5	22	52	242	258	543	5	217	50	White Ave. & Arrow Hwy. ℄ Int.
													See F.B. 3709-237
2	42	240	343	5	79 5	74	256	038	557	5	292 220	72	
					85	126					281	122	
3	52	748	353	5	19	66	246	949	547	5	211	70	
					77	192					283	192	
4	40	791	341	5	3	74	248	618	549	5	213	70	π-Miyahira
					83	266					288	262	
5	54	460	355	5	25	58	288	798	589	5	257½	62	
					45	324					306	324	
6	4	370	305	5	4½	82	264	444	565	5	222	84	
					97	406					280	408	
7	69	478	370	5	41	56	252	721	553	5	224	56	
					176	462					183	464	
8	143	269	444	5	110	66	151	268	452	5	119	64	
						528 ✓						528 ✓	
												528	
	455	751 ✓					1951	094 ✓				1056 ✓	
							455	751					
							1495	343 ✓					
BM 13-4A													BM 13-4A (Sta. A-12)
													L.A. Co. Fair Grounds ± 40.0 Ft. SW of Barn 11.
													See F.B. 1379-120

T-56°

WEATHER Cloudy INST. NO. 9671

TIME 11:05 ROD NO. 95E96

NOTES CHKD RCB DATE 6-16-71

F.B. 4115 PG. 46 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 5-27-71

INDEXED [illegible] 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
													FROM BM 13-6A TO BM 13-7A
BM13-6A					277						76		BM13-6A (Rd. Dept. Mon.
1	243	348	544	5	209	68	42	150	343	5	8	68	White Ave. & Arrow Hwy. & Int.
					297						50		See F.B. 3709-237
2	297	133	598	5	273 ½	48	24	019	325	5	~~24~~ 2	52	
					162	116					151	120	
3	136	108	437	5	110	52	126	185	427	5	101	50	
					265	168					116	170	R-Siemann
4	235	996	536	5	205	60	87	398	388	5	58	58	
					262	228					110	228	
5	233	397	534	5	204	58	81	663	382	5	52	58	
					213	286					165	286	
6	201	340	502	5	189	24	153	733	454	5	141	24	
						310	✓					310	✓
												310	
	1347	322	✓				515	148	✓			620	✓
	515	148											
BM13-7A	1832	174	✓										BM 13-7A
													White Ave. & Bonita Ave. & Int.
													See F.B. 3709-239

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

SURVEY BY G.E. Dreier

NOTES BY Maldonado DATE 6-1-71

INDEXED G. J. GALLI DATE JUN 11 71

WEATHER Hazy Sun INST. NO 96716

TIME 11:15 to 11:30 ROD NO 95 & 96

NOTES CHKD RCB DATE 6-16-71

T-66°

F.B. 4115 PG. 47

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER Overcast INST. NO. 96716
TIME 2:10 to 2:38 ROD NO. 95894
NOTES CHKD RCB DATE 6-16-71

T-70°

SURVEY OF L.A. Co. Precise Level Net JOB NO. 0301.02
SURVEY BY Dreier NOTES Maldonado 6-2-71
INDEXED B.L. BALL DATE

4115 48

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 13-7A TO BM 13-6A
BM 13-7A					88.1						263.1		BM 13-7A
1	41	970	342	5	41.2	94	263	311	564	5	214.2	88	White Ave. & Bonita St.
					102						258		See F.B. 3709-239
2	60	873	361	5	18	84	216	111	517	5	174	84	
					97	178					298.1	172	
3	60	002	361	5	23	74	298	301	599	5	266.2	64	
					61	252					288	236	T-Siemann
4	34	551	335	5	7	54	252	070	553	5	216	72	
						306 ✓						308 ✓	
												306	
	197	396 ✓					1029	793 ✓				614 ✓	
							197	396					
							832	397 ✓					
BM 13-6A													BM 13-6A (Rd. Dept. Mon.
													White Ave. & Arrow Hwy. & Int
													See F.B. 3709-237

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 G. E. Dreier
NOTES BY Maldonado DATE 6-1-71
INDEXED G. J. GALLI DATE JUN 11 '71
WEATHER Hazy Sun INST. NO. 96716
TIME 11:40 to 11:50 ROD NO. 95496
NOTES CHKD RCB DATE 6-16-71
F.B. 4115 PG. 49
T-72

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 13-7A TO BM 13-8
BM 13-7A					281						72		BM 13-7A
1	281	369	582	5	248½	66	38	259	339	5	4	68	White Ave. & Bonita Ave. & Int.
					290						101		See F.B. 3709-239
2	260	639	561	5	230	60	72	101	373	5	43	58	
					246	126					132	126	
3	224	509	525	5	202	44	108	200	409	5	84	48	
						170 ✓						174 ✓	π-Siemann
												170	
	766	517 ✓					218	560 ✓				344 ✓	
	218	560											
	+547	957 ✓											
BM 13-8													BM 13-8
													White Ave. & Seventh St. N.W. Cor.
													see F.B. 1379-123
					Re-Run								
		2:50 to 3:05	T=62°		Overcast		6-2-71						
BM 13-7A					299½						89		BM 13-7A
1	299	119	600	5	265½	68	55	621	356	5	21	68	White Ave. & Bonita Ave. & Int.
					297½						108		See F.B. 3709-239
2	297	983	598	5	261½	72	64	130	365	5	28	72	
					220	140					149	140	
3	205	649	506	5	190	30	134	761	435	5	119	30	π-Siemann
						170 ✓						170 ✓	
												170	
	802	751 ✓					254	512 ✓				340 ✓	
	254	512											BM 13-8
BM 13-8	+548	239 ✓											White Ave. & Seventh St. N.W. Cor.
													See F.B. 1379-123

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 13-8 TO BM 13-7A
BM 13-8					118						280 1/2		BM 13-8
1	78	439	379	5	38	80	280	679	581	5	241	78	White Ave. & Seventh St. N.W.Co
					58 1/2						274 1/2		See F.B. 1379-123
2	22	030	323	5	22 1/2	72	274	690	575	5	238 1/2	72	
					134	152					227	150	
3	124	575	425	5	114	20	217	951	518	5	207	20	
						172 ✓						170 ✓	T-Siemann
												172	
	225	044 ✓					773	320 ✓				342 ✓	
							225	044					
BM 13-7A							548	276 ✓					BM 13-7A
													White Ave. & Bonita Ave. & Int
													See F.B. 3709-239

T-68°

4115 50 JOB NO. 0301.02

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-2-71

INDEXED G.J. GALLI DATE

WEATHER Overcast INST. NO. 96716

TIME 2:00 to 2:10 ROD NO. 95E96

NOTES CHKD RCB DATE 6-16-71

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.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G.E. Dreier DATE 6-1-71 WEATHER Hazy Sun INST. NO. 96716
NOTES BY Maldonado TIME 1:10 to ROD NO. 95866
INDEXED J. GALL DATE JUN 11 71 NOTES CHKD. RCG DATE 6-16-71
F.B. 4115 PG. 51
T-73"

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 13-8 TO BM 13-9
BM 13-8					282						100		BM 13-8
1	282	119	583	5	254½	56	72	662	373	5	44	56	white Ave. & Seventh St. NW Cor.
					218	56					143		See F.B. 1379-123
2	218	060	519	5	190½	8	114	310	415	5	85	58	
					302	112					93	114	
3	272	819	573	5	242	60	64	580	365	5	35	58	
					290	172					86	172	
4	261	141	562	5	232	58	54	253	355	5	22	64	T-Siemann
					294	230					81	236	
5	264	608	565	5	234	60	48	161	349	5	15	66	
					295	290					30	302	
6	295	229	596	5	265½	60	5	569	306	5	5½	50	
					293	350					33	352	
7	293	543	594	5	270½	46	12	822	313	5	12½	42	
					285	396					41	394	
8	285	595	586	5	262½	46	18	783	319	5	18½	46	
					295	442					33	440	
9	275	771	576	5	255	40	15	581	316	5	15½	36	
					195	482					157	476	
10	190	918	491	5	185	10	149	920	450	5	141	16	
						492 ✓						492 ✓	
												492	
	6												
	2839803 ✓						556641 ✓					984 ✓	
BM 13-9	556641												BM 13-9
	+ 2083162 ✓												white Ave. & Foothill Blvd.
													See F.B. 1379-124

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 BM 13-9 TO BM 13-8
BM 13-9													BM 13-9
1	61	148	362	5	78, 61½	34	284	690	585	5	302 266	36	White Ave. & Foothill Ave.
													See F.B. 1379-124
2	16	350	317	5	36 16½	40	255	540	556	5	274 236	38	
						74						74	
3	24	598	325	5	48 0	48	294	611	595	5	294, 270½	48	
						122						122	π-Siemann
4	15	222	316	5	39½ 15½	48	295	565	596	5	295½ 272½	46	
						170						168	
5	5	631	306	5	40½ 5½	70	287	~~861~~ 800	588	5	287, 250½	74	
						240						242	
6	16	180	317	5	56, 16½	80	286	133	587	5	286, 247½	82	
						320						324	
7	17	498	318	5	61, 17½	88	256	724	557	5	297 215	82	
						408						406	
8	79	407	380	5	119 39	80	286	651	587	5	286, 247½	78	
						488						484	
9	153	709	454	5	161 145	16	225	519	526	5	232 218	14	
						504 ✓						498 ✓	
~~10~~												504	
	389	743 ✓					2~~4~~7~~3~~3	233 ✓				1002 ✓	
							389	743					
							-2~~0~~8~~4~~3	490 ✓					
BM 13-8													BM 13-8
													White Ave. & Seventh St. N.W. Cor
													See F.B. 1379-123

T=64°

WEATHER Overcast INST. NO. 96716

TIME 1:15 to ROD NO. 95496

NOTES CHKD RCB DATE 6-16-71

F.B. 4115 PG. 52 JOB NO. 0301.02

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-2-71

INDEXED B.J. GANT 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-62°

SURVEY BY G. E. Dreier

NOTES BY Maldonado DATE 6-2-71

INDEXED G. L. GALLI DATE JUN 11 71

WEATHER Overcast

TIME 3:05 to

NOTES CHKD RCB

F.B. 4115 PG. 53

INST. NO. 96716

ROD NO. 95896

DATE 6-16-71

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM 13-8 TO BM 13-9
				294, 64				110	BM 13-8
1	294	773	595 5	262 2 ~~32~~	75	969	376 5	40 70	White Ave. & Seventh St. N.W. Cor
				280				79	See F.B. 1379-123
2	241	569	542 5	202 78	39	712	340 5	-1 80	
				294, 142				90 150	
3	294	549	595 5	259 2 70	58	200	359 5	26 64	
				291, 212				70, 214	
4	291	152	592 5	255 2 72	~~33~~ 33	211	334 5	33 2 74	Re-Run
				285, 284				41, 288	
5	285	389	586 5	255 2 60	11	320	312 5	11 2 60	
				297, 344				50 348	T-Siemann
6	297	278	598 5	277 2 40	30	629	331 5	10 40	
				302 384				81 388	
7	282	709	583 5	262 40	~~61~~ 61	673	362 5	41 40	
				291, 424				38, 428	
8	291	922	592 5	270 2 42	18	251	319 5	18 2 40	
				268 466				135 468	
9	255	713	556 5	242 26	123	069	424 5	111 24	
				492 ✓				492 ✓	
~~10~~								492	
	2535	054 ✓			452	034 ✓		984 ✓	
	452	034							
	+2083	020 ✓							
									BM 13-9
BM 13-9									White Ave. & Foothill Blvd.
									See F.B. 1379-124

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 BM 13-9 TO 13-8
BM 13-9									BM 13-9
1	81	571	382 5	97 65 32	287	089	588 5	303 271 32	White Ave. & Foothill Blvd.
									see F.B. 1379-124
2	14	288	315 5	36 1/2 14 ~~44~~	279	560	580 5	300 258 42	
3	42	580	343 5	63 21 ~~54~~ 76 42	281	550	582 5	301 261 74 40	
4	29	205	330 5	52 6 116 46	286	078	587 5	286 1/2 264 1/2 114 44	Re-Run
5	21	262	322 5	48 1/2 21 1/2 164 54	257	679	558 5	284 230 158 54	T-Siemann
6	24	339	325 5	59 1/2 24 1/2 210 70	279	589	580 5	279 1/2 246 1/2 212 66	
7	56	702	357 5	92 20 288 72	283	688	584 5	283 1/2 244 1/2 278 78	
8	46	391	347 5	82 10 360 72	230	497	531 5	268 192 356 76	
9	80	813	381 5	113 47 ~~88~~ 432 66	273	999	574 5	304 242 432 62	
10	159	482	460 5	162 156 498 6	180	291	481 5	183 177 494 6	
				504 ✓					
					2640	020 ✓		500 ✓	
	556	632 ✓			556	632		504	
					-2083	388 ✓		1004 ✓	
						7			BM 13-8
									White Ave. & Seventh St. N.W.C.
BM 13-8									See F.B. 1379-123

T = 73°

WEATHER Overcast INST. NO. 96716

TIME 1:40 to ROD NO. 95546

NOTES CHKD RCB DATE 6-16-71

F.B. 4115 PG. 54 JOB NO. 0301.02

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY G.E.D NOTES Maldonado 6-3-71

INDEXED [illegible] 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
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 13-9 TO BM 13-10 B
BM 13-9													BM 13-9
1	230	492	531	5	256 204	52	190	257	491	5	216 164	52	White Ave. & Foothill Blvd.
													See F.B. 1379-124
2	95	113	396	5	124 66	58	~~263~~ 236	028	537	5	265 207	58	
						110						160	
3	83	771	384	5	112 54	58	269	108	570	5	298 240	58	$\bar{\Lambda}$ = MALDONADO
						168						168	
4	123	699	424	5	141 105	36	165	777	466	5	180 150	30	
						204 ✓						198 ✓	
B.M. 13-10B												204	B.M. 13-10B
	533	075 ✓					861	170 ✓				402	FOOTHILL BLVD. & FRUIT ST.
							533	075					SEE F.B. 3709-247
							328	095 ✓					

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

SURVEY BY G.E. Dreier

NOTES BY SIEMANN DATE 6-1-71

INDEXED [redacted] GALLI DATE JUN 11 71

WEATHER SUNNY TIME 2:00 TO 2:20

NOTES CHKD RCB DATE 6-16-71

$\bar{\Lambda}$ = 72

INST. NO 96716

ROD NO 95896

F.B. 4115 PG. 55

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 13-10B TO B.M. 13-9
B.M. 13-10 B													B.M. 13-10B
1	169	680	470	5	195 143	52	82	884	383	5	107 57	50	FOOTHILL BLVD. & FRUIT ST.
													SEE F.B. B709-247
2	239	800	540	5	272 206	66	55	718	356	5	87 23	64	
						118						114	
3	218	241	519	5	245 191	54	111	944	412	5	138 84	54	π = MALDONADO
						172						168	
4	154	382	455	5	169 139	30	203	330	504	5	218 188	30	
						202 ✓						198 ✓	
B.M. 13-9												202	B.M. 13-9
	782	103 ✓					453	876 ✓				400	FOOTHILL BLVD. & WHITE AV
	453	876											SEE F.B. 1379-124
+	328	227 ✓											

T = 64°

WEATHER OVERCAST INST. NO 96716

TIME 11:45 TO 12:00 ROD NO 95496

NOTES CHKD RCB DATE 6-16-71

F.B. 4115 PG. 56 JOB NO 0301.02

SURVEY OF L.A.CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 6-2-71

INDEXED [illegible] 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 = 72°
SURVEY BY G.E. DREIER WEATHER LT. WIND INST. NO 26716
NOTES BY SIEMANN DATE 6-1-71 TIME 2:20 TO 2:35 ROD NO. 95896
INDEXED B.B. GALLI DATE JUN 11 71 NOTES CHKD RCB DATE 6-16-71
F.B. 4115 PG. 57

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 13-10B TO B.M. 13-10C
B.M. 13-10B													B.M. 13-10B
1	258	271	559	5	282 234	48	82	207	383	5	106 58	48	FOOTHILL BLVD. & FRUIT ST.
													SEE F.B. 3709-247
2	203	759	504	5	230 176	54	63	399	364	5	91 35	56	
						102						104	
3	201	496	502	5	227 175	52	95	101	396	5	122 68	54	T = MALDONADO
						154						158	
4	174	638	475	5	193 155	38	106	378	407	5	123 89	34	
						192 ✓						192 ✓	
B.M. 13-10C												192	B.M. 13-10C
	838	164 ✓					347	085 ✓			✓	384	FRUIT ST. & HOUSE #3835
	347	085											F.B. 3709-248
+	491	079 ✓											

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 B.M. 13-10C TO B.M. 13-10B
B.M. 13-10C													B.M. 13-10C
1	107	979	408	5	140 74	66	207	649	508	5	240 174	66	FRUIT ST. & HOUSE # 3835
													SEE F.B. 3709-248
2	67	997	368	5	99 35	64	234	638	535	5	266 202	64	
						130						130	
3	70	317	371	5	102 38	64	294	938	595	5	294 262	64	π = MALDONADO
						194 ✓						194 ✓	
B.M. 13-10B												194	B.M. 13-10B
	246	293 ✓					737	225 ✓				388	FOOTHILL BLVD. & FRUIT ST.
							246	293					SEE F.B. 3709-247
							4~~8~~9	0932 ✓					

T = 64°

WEATHER OVERCAST INST. NO. 96716

TIME 11:35 TO 12:00 ROD NO. 95496

NOTES CHKD. RCB DATE 6-16-71

JOB NO. 0301.02

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 6-2-71

INDEXED [illegible] DATE

4115 58

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=74°
SURVEY BY G.E. DREIER WEATHER LT. WIND INST. NO 92716
NOTES BY SIEMANN DATE 6-1-71 TIME 2:50 TO 3:16 ROD NO 95896
INDEXED J. GALLI DATE 11 71 NOTES CHKD RCB DATE 6-16-71
F.B. 4115 PG. 59

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 13-10C TO B.M. 13-11
B.M. 13-10C													B.M. 13-10C
~~1~~	~~262~~	~~557~~	~~503~~	~~5~~	~~226 178~~	~~48~~	~~94~~	~~072~~	~~395~~	~~5~~	~~118 70~~	~~48~~	FRUIT ST. & HOUSE # 3835
													SEE F.B. 3709-248
1	209	079	510	5	235 183	52	94	952	395	5	120 68	52	
2	187	537	488	5	213 161	52	97	769	398	5	122 72	50	
						104						102	T = MALDONADO
3	148	048	449	5	173 123	50	97	501	398	5	122 72	50	
						154						152	
4	158	972	459	5	184 132	52	88	049	389	5	114 62	52	
						206						204	
5	146	650	447	5	171 121	50	75	613	376	5	101 49	52	
						256						256	
6	166	736	467	5	185 147	38	84	958	385	5	103 65	38	
						294 ✓						294 ✓	
												294	B.M. 13-11
B.M. 13-11													
	1017	022 ✓					538	842 ✓			↳ 588		FRUIT ST. & BASE LN. RD.
	538	842											SEE F.B. 1329-126
	+ 478	180 ✓											

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 4115 PG. 60 JOB NO. 0301.02

SURVEY OF L.A. PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 6-2-71

INDEXED B.G. BALL DATE

T = 64°

WEATHER OVERCAST INST. NO. 96716

TIME 11:05 TO 11:30 ROD NO. 95596

NOTES CHKD RCB DATE 6-16-71

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 13-11 TO B.M. 13-10C
B.M. 13-11													B.M. 13-11
1	84	566	385	5	114 54	60	198	038	499	5	228 168	60	FRUIT ST. 100' S. OF BASE LINE RD.
													SEE F.B. 1379-126
2	106	688	407	5	139 73	66	194	708	491	5	227 167	66	
						126						126	
3	108	742	409	5	142 74	68	189	708	490	5	223 155	68	
						194						194	T = MALDONADO
4	98	482	399	5	133 63	70	216	828	517	5	251 181	70	
						264						264	
5	120	325	421	5	135 105	30	197	574	498	5	213 181	32	
						294 ✓						296 ✓	
B.M. 13-10C												294	B.M. 13-10C
	518	803 ✓					996	856 ✓			✓	590	FRUIT ST. & HO. # 3835
							518	803					SEE F.B. 3709-248
							- 478	053 ✓					

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 GEORGE E. DREIER

NOTES BY SIEMANN DATE 6-2-71 WEATHER OVERCAST INST. NO. 96716

INDEXED G. J. GAELL DATE JUN 11 '71 TIME 9:00 TO 9:25 ROD NO. 95896

NOTES CHKD RCB DATE 6-16-71

F.B. 4115 PG. 61

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 13-11 TO B.M. 11-54
B.M. 13-11													B.M. 13-11
1	238	048	539	5	256 220	36	283	943	584	5	303 263	40	FRUIT ST. 100' S. OF BASE LINE RD.
													SEE F.B. 1379-126
2	4	629	305	5	135 2 4	62	232	522	533	5	262 202	60	
						98						100	
3	106	686	407	5	141 71	70	166	073	467	5	200 132	68	
						168						168	
4	140	776	441	5	172 108	64	167	342	468	5	199 135	64	π = MALDONADO
						232						232	
5	153	541	454	5	179 127	52	105	397	406	5	131 79	52	
						284						284	
6	187	512	488	5	206 166	40	138	814	431	5	155 121	34	
						324 ✓						318 ✓	
B.M. 11-54												324	B.M. 11-54
	831	192 ✓					1094	091 ✓				642	BASE LINE RD. & EMEALD AVE.
							831	192					SEE F.B. 1376-50
							262	899 ✓					

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.

T = 62°

WEATHER OVERCAST INST. NO. 96716

TIME 10:40 TO 11:00 ROD NO. 96696

NOTES CHKD. RCB DATE 6-16-71

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 11-54 TO B.M. 13-11
B.M. 11-54	4												B.M. 11-54
1	113	609	414	5	142 84	58	203	287	504	5	232 174	58	BASE LINE RD. & EMERALD AVE
													SEE F.B. 1376-50
2	137	879	438	5	172 102	70	125	509	426	5	160 90	70	
3	161	660	462	5	198 124	128 74	123	263	424	5	158 88	128 70	T = MALDON 400
4	209	891	510	5	244 174	202 70	6	862	307	5	140 6	198 68	
5	256	857	557	5	275 237	272 38	13	865	314	5	342 13	266 42	
6	90	128	391	5	99 81	310 18	234	243	535	5	244 234	308 20	
						328						328	
B.M. 13-11												328	B.M. 13-11
	970024						707029					656	FRUIT ST. & 100 FT. S OF BASE
	707029												LINE RD. SEE F.B. 1379-126
	+262995												

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 6-2-71

INDEXED [redacted] DATE

JOB NO. 0301.02

F.B. 4115 PG. 62

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		FROM BM 11-53A TO BM 11-52
BM 11-53A													BM (Fl. Cont. BM 095-21715)
					187						228		Baseline Rd. & La Verne Hts.
1	154	387	455	5	121	66	196	273	497	5	164	64	school (~~N.W. Cor.~~) MARSHALL CN. WASH
					130						278		See F.B. 3710-125
2	90	498	391	5	50	80	278	929	579	5	238½	80	
						146	✓					144	✓
												146	π-Miyahira
	244	885	✓				475	202	✓			290	✓
							244	885					
							230	317	✓				
BM 11-52													BM 11-52
													Baseline Rd. & Wheeler Rd.
													See F.B. 1376-48

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

SURVEY BY G.E. Dreier

NOTES BY Maldonado DATE 6-2-71

INDEXED G. J. GALLI DATE JUN 11 '71

WEATHER Overcast

TIME 9:50 to 10:05

NOTES CHKD RCB

INST. NO. 96716

ROD NO. 95 & 96

DATE 6-16-71

T-58°

F.B. 4115 PG. 63

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 11-52 TO BM 11-53A
BM 11-52													BM 11-52
		320			278						129		Baseline Rd. & Wheeler Rd.
1	278	~~417~~	579	5	138 ½	80	89	913	390	5	49	80	See F.B. 1376-48
					214						171		
2	181	432	482	5	148	66	139	610	440	5	107	64	
						146 ✓						144 ✓	T-Miyahira
												146	
	459	752 ✓					229	523 ✓				290 ✓	
	229	523											BM 11-53A (Fl. Cont. BM 095-21715)
BM 11-53A	+230	229 ✓											Baseline Rd. & La Verne Hts.
													School (~~N.W. Cor.~~) MARSHAL CN,
													See F.B. 3710-125

T-60°

WEATHER Overcast INST. NO. 96710

TIME 10:05 to 10:15 ROD NO. 95891

NOTES CHKD RCB DATE 6-16-71

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-2-71

INDEXED [illegible] DATE

4115 FS. 64

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 BM 11-54 TO BM 11-53A
BM 11-54				243				144	BM 11-54
1	220	295	521 5	197 46	120	749	421 5	96 48	Baseline Rd. & Emerald Ave
				197				159	See F.B. 1376-50
2	163	160	464 5	~~13~~ 129 68	126	277	427 5	93 66	
				229 114				200 114	
3	172	347	473 5	115 114	143	840	444 5	86 114	
				228				172 228	π-Miyahira
4	150	143	451 5	169 131 38	153	518	454 5	134 38	
				266 ✓				266 ✓	
								266	
	705	945 ✓			544	384 ✓		532 ✓	
	544	384							BM 11-53A (Fl. Cont. BM 095-21715)
BM 11-53A	161	561 ✓							Baseline Rd. & LaVerne Hts. School
									~~(N.W. Corn)~~ MARSHALL CN. WASH, S.W. Cor
									See F.B. 3710-125
			T=72°	Re-Run					
	6-4-71 ~~overcast~~					Hazy Sun		10:30 to	
BM 11-54									BM 11-54
1	223	852	524 5	249 197 52	114	779	415 5	140 88 52	Baseline Rd. & Emerald Ave.
2	152	053	453 5	181 ~~123~~ 58	131	183	432 5	159 ~~103~~ 56	See F.B. 1376-50
				187 110				152 108	
3	158	334	459 5	129 58	123	176	424 5	94 58	π-Miyahira
				180 168				173 166	
4	149	271	450 5	~~118~~ 62	142	488	443 5	111 62	
	146	557	447	128 ~~165~~ 230				175 228	
5	~~150~~	~~112~~	451 5	~~135~~ 164 36	156	822	457 5	137 38	BM 11-53A (Fl. Cont. BM 095-21715)
				266 ✓				✓ 266	Baseline Rd. & LaVerne Hts. School
	830	067 ✓			668	448 ✓		266	Marshall Cyn. Wash, S.W. Cor
BM 11-53A	668	448						✓ 532	
	1[illegible]	619 ✓							

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

SURVEY BY G. E. Dreier

NOTES BY Maldonado DATE 6-2-71

INDEXED L. J. GALLI DATE 11 71

WEATHER Overcast

TIME 9:25 to 9:50

NOTES CHKD RCB

INST. NO. 96716

ROD NO. 95896

DATE 6-16-71

T-60°

F.B. 4115 PG. 65

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 BM 11-53A TO BM 11-54
BM 11-53A				169				179	BM 11-53A (Fl. Cont. BM 095-21715)
1	144	414	445 5	119 50	154	709	455 5	129 50	Baseline Rd. & La Verne Hts.
				217				256	School (~~N.W. Cor.~~) MARSHALL CN. WASH S.W. COR
2	139	533	440 5	61 156	179	646	480 5	102 154	see F.B. 3710-125
				138 206				149 204	
3	108	517	409 5	78 60	219	922	520 5	189 60	
				266 ✓				264 ✓	
								266	K-Miyahira
	392	464 ✓			554	277 ✓		530 ✓	
					392	464			
					161	813 ✓			
BM 11-54									BM 11-54
									Baseline Rd. & Emerald Ave.
									See F.B. 1376-50
	6-3-71	2:45 to 3:15		Re-Run		overcast		T=70°	
BM 11-53A				179				183	BM 11-53A (Fl. Cont. BM 095-2171
1	149	750	450 5	119 60	153	155	454 5	123 60	Baseline Rd. & La Verne Hts. School,
				168				177	& Marshall Cyn. Wash S.W. Cor.
2	138	124	439 5	108 60	152	133	453 5	127 50	See 3710-125
				171 120				200 110	
3	140	301	441 5	109 62	164	850	465 5	128 72	K-Miyahira
				182				182	
				160				213	
4	131	266	432 5	102 58	184	114	485 5	155 58	
				137 240				204 240	
5	125	817	426 5	113 24	192	812	493 5	180 24	
				264 ✓				264	
								264	BM 11-54
	685	258 ✓			847	064 ✓		528	Baseline Rd. & Emerald ~~St~~ Ave.
BM 11-54					685	258			See F.B. 1376-50
					161	806 ✓			

T-61°

WEATHER Overcast INST. NO. 96716

TIME 10:15 to ROD NO. 95891

NOTES CHKD RCB DATE 6-16-71

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-2-71

INDEXED [illegible] DATE

4115 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.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 13-7A TO B.M. 13-12A
B.M. 13-7A									B.M. 13-7A (CLAREMONT E-1)
1	196	420	497 5	225 167 58	148	681	449 5	178 118 60	WHITE AVE & BONITA AVE. & INT.
									SEE F.B. 3709-239
2	123	209	424 5	157 89 68	160	922	461 5	193 127 66	
				126				126	
3	104	361	405 5	138 70 68	205	261	506 5	238 172 66	
				194				192	π = MALDONADO
4	93	899	394 5	128 58 70	201	432	502 5	234 168 66	
				264				258	
5	101	142	402 5	134 68 66	193	271	494 5	229 157 72	
				330				330	
6	85	076	386 5	118 52 66	234	600	535 5	267 201 66	
	74	672	375 5	105 43 396	238	790	539 5	270 206 396	
				62				64	
7				458				460	
8	138	642	439 5	141 135 6	149	021	450 5	152 146 6	✓
				464				466	
B.M. 13-12A								464	B.M. 13-12A
	917	421 ✓			431	978 ✓		930	D ST. & SECOND ST. N.W. COR.
					917	421			SEE F.B. 2886-11
					614	557 ✓			

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T = 76°

SURVEY BY GE. DREIER WEATHER SUNNY INST. NO. 96716

NOTES BY SIEMANN DATE 6-4-71 TIME 11:30 TO 12:00 ROD NO. 95896

INDEXED S. J. GALLI DATE JUN 11 71 NOTES CHKD RCB DATE 6-12-71

F.B. 4115 PG. 67

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 4115 PG. 68 JOB NO. 0301.02

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY DEEIER NOTES SIEMANN 6-8-71

INDEXED L. GALL DATE

T = 62°

WEATHER OVERCAST INST. NO. 96716

TIME 11:15 TO 11:50 ROD NO. 95996

NOTES CHKD RLB DATE 6-16-71

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 13-12A TO B.M. 13-7A
B.M. 13-12A													B.M. 13-12A
1	212	962	513	5	230 194	36	96	970	397	5	115 77	38	D ST. & ~~THIRD~~ SECOND ST. N.W. COR.
													SEE F.B. 2886-11
2	241	408	542	5	276 206	70	77	771	378	5	111 43	68	
						106						106	
3	196	968	497	5	238 154	84	110	175	411	5	152 68	84	
						190						190	
4	239	971	540	5	282 196	86	94	559	395	5	137 51	86	
						276						276	T = MALDONADO
5	225	377	526	5	270 180	90	139	770	440	5	183 95	88	
						366						364	
6	179	196	480	5	210 148	62	137	354	478	5	169 105	64	
						428						428	
7	156	538	457	5	171 141	30	181	250	482	5	176 166	30	
						458 ✓						458 ✓	
B.M. 13-7A												458	B.M. 13-7A
	452	420 ✓					837	849 ✓				916	WHITE AVE. & BONITA AVE.
	837	849											SEE F.B. 3709-239
+	614	571 ✓											

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=78° F.B. 4115 PG. 69

SURVEY BY ~~[illegible]~~ G.E. DREIER WEATHER HAZY SUN INST. NO. 96716

NOTES BY SIEMANN DATE 6-4-71 TIME 1:30 TO 1:50 ROD NO. 75496

INDEXED S.J. GALLO DATE JUN 11 71 NOTES CHKD RCB DATE 6-16-71

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 13-12A TO B.M. 13-13
M. 13-12A									B.M. 13-12A
1	194	732	495 5	214 174 40	111	146	412 5	131 91 40	D ST. & SECOND ST. N.W. COR.
									SEE F.B. 2886-11
2	182	543	483 5	210 154 56	193	760	494 5	220 166 54	
				96				94	
3	124	167	425 5	155 95 60	174	230	475 5	205 143 62	π MALDONADO
				156				156	
4	144	589	445 5	149 139 10	87	479	388 5	92 82 10	
				166 ✓				166 ✓	
B.M. 13-13								166	B.M. 13-13 (U.S.C. & G.S. B-96)
	646	031 ✓			566	615 ✓		✓ 332	C ST. & THIRD ST.
	566	615							SEE F.B. 1380-143
+	79	416 ✓							

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 B.M. 13-13 TO B.M. 13-12A
B.M. 13-13													B.M. 13-13 (U.S.C. & G.S. B-96)
1	90	708	391	5	100 80	20	154	141	455	5	164 144	20	THIRD ST. & C ST.
													SEE F.B. 1380-143
2	171	923	472	5	212 130	82	89	360	390	5	129 49	80	
						102						100	⊼ = MALDONADO
3	113	422	414	5	142 84	58	202	115	503	5	231 173	58	
						160						158	
4	138	742	439	5	140 136	4	148	732	449	5	150 146	4	
						164 ✓						162 ✓	
B.M. 13-12A												164	B.M. 13-12A
	514	795 ✓					594	348 ✓				326	D ST. & SECOND ST. N.W.
							514	795					SEE F.B. 2886-11
							79	553 ✓					

T = 62°

WEATHER OVERCAST INST. NO. 96716

TIME 10:55 TO 11:15 ROD NO. 9549

NOTES CHKD RCB DATE 6-16-71

F.B. 4115 PG. 70 JOB NO. 0301.02

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 6-8-71

INDEXED [illegible] 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
													FROM B.M. 13-13 TO B.M. 13-13A
B.M. 13-13													B.M. 13-13 (U.S.C.&G.S. B-96)
1	86	593	387	5	91 / 81	10	143	720	444	5	148 / 138	10	THIRD ST. & C ST.
													SEE F.B. 1380-143
2	149	510	450	5	179 / 119	60	162	401	463	5	192 / 132	60	
						70						70	
3	181	036	482	5	205 / 157	48	127	832	428	5	151 / 103	48	
						118						118	
4	166	880	467	5	198 / 134	64	162	851	463	5	173 / 131	62	
						182						180	
5	128	417	429	5	160 / 96	64	147	836	448	5	178 / 116	62	π = MALDONADO
						246						242	
6	140	675	441	5	171 / 109	62	179	764	480	5	210 / 148	62	
						308						304	
7	138	412	439	5	172 / 104	68	217	152	518	5	250 / 184	66	
						376						370	
8	135	239	436	5	156 / 114	42	161	583	462	5	188 / 134	54	
						418	✓					424	✓
B.M. 13-13A												418	B.M. 13-13A (U.S.A.-C.E. M.C. 108)
	1126	762	✓				1303	139	✓			842	BONITA AVE & WHEELER AVE.
							1126	762					SEE F.B. 2886-12
							-176	377	✓				

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T = 78°

SURVEY BY G.E. DREIER WEATHER HAZY SUN INST. NO 96716

NOTES BY SIEMANN DATE 6-4-71 TIME 1:50 TO ROD NO 95896

INDEXED L.J. GALLI DATE JUN 11 71 NOTES CHKD RCB DATE 6-16-71

F.B. 4115 PG. 71

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 4115 PG. 72 JOB NO. 0301.02

SURVEY OF L.A.CO-PRECISE LEVEL NET

SURVEY BY Dreier NOTES SIEMANN 6-8-71

INDEXED [illegible] DATE

T = 60°

WEATHER OVERCAST INST. NO. 96716

TIME 10:15 TO 10:50 ROD NO. 95896

NOTES CHKD RCB DATE 6-16-71

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 13-13A TO B.M. 13-13
B.M. 13-13A									B.M. 13-13A (U.S.A-C.E. M.C-108)
1	144	978	445 5	168 120 48	161	636	462 5	184 138 46	BONITA AVE & WHEELER AVE.
									SEE F.B. 2886-12
2	246	323	547 5	284 208 76	128	049	429 5	168 88 80	
									124 126
3	169	331	470 5	212 126 86	136	912	437 5	179 93 86	
									210 212
4	167	701	468 5	208 126 82	135	501	436 5	176 94 82	T = MALDONADO
									292 294
5	131	490	432 5	148 114 34	171	340	472 5	188 154 34	
									326 328
6	107	736	408 5	140 74 66	135	210	436 5	167 103 64	
									392 392
7	170	377	471 5	180 160 20	92	979	393 5	102 82 20	
				412 ✓				412 ✓	
B.M. 13-13								412	B.M. 13-13
	1137	936 ✓			961	627 ✓		824	THIRD ST. & C ST.
	961	627							SEE F.B. 1380-143
	+ 176	309 ✓							

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		FROM BM 13-13A TO BM 13-14
BM 13-13A					154						227		BM 13-13A (U.S.A.C.E.M.C. 108)
1	121	465	422	5	88	66	193	469	494	5	159	68	Bonita Ave & Wheeler Ave
					161						204		See F.B. 2886-12
2	136	750	437	5	111	50	180	688	481	5	156	48	
					166	116					211	116	
3	136	301	437	5	106	60	180	689	481	5	149	62	
					162	176					226	178	π-Siemann
4	135	479	436	5	108	54	198	812	499	5	170	56	
						230 ✓						234 ✓	
												230	
	529	995 ✓					753	658 ✓				464	BM 13-14
BM 13-14							529	995					Bonita Ave. & Glenfield Ave. NE Co.
							223	663 ✓					F.B. 3709-257

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T-81°

SURVEY BY G.E. Dreier WEATHER Sunny INST. NO. 96716

NOTES BY Maldonado DATE 6-4-71 TIME 2:25 to 2:40 ROD NO. 95696

INDEXED G.L. GALLI DATE JUN 11 '71 NOTES CHKD RCB DATE 6-16-71

F.B. 4115 PG. 73

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 4115 PG. 74 JOB NO. 0301.02

SURVEY OF L.A.Co Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-8-71

INDEXED C.J. GALI DATE

WEATHER Overcast INST. NO. 96716

TIME 9:55 to 10:15 ROD NO. 95E96

NOTES CHKD RCB DATE 6-18-71

T-60°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 13-14 TO BM 13-13A
BM 13-14					227			618			168		BM 13-14
1	180	350	481	5	133	94	119	~~618~~	420	5	70	98	Bonita Ave. & Glenfield Ave.
					242	98					156		F.B. 3709-257 N.G.C.
2	193	070	494	5	144	~~88~~	104	861	405	5	52	104	
					194	140					166	202	
3	176	270	477	5	158	92 36	154	152	455	5	141	25	π-Siemann
					215	228					163	227	
4	204	599	505	5	193	22	152	000	453	5	141	22 ~~278~~	
	754	289	✓			✓250	530	631	✓			249 ✓	
	530	631										250	BM 13-13A (U.S.A.-C.E. MC. 108)
BM 13-13A	223	658	✓									✓499	Bonita Ave. & Wheeler Ave.
													See F.B. 2886-12

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 BM 13-14 TO BM 13-14A
BM 13-14					235						95		BM 13-14 ~~(LA VERNE~~
1	215	741	516	5	195	40	75	501	376	5	55	40	Bonita Ave. & Glenfield Ave.
					271						88		See F.B. 3709-257 N.E. Cor
2	246	488	547	5	221	50	63	217	364	5	38	50	
					289	90					132	90	
3	262	649	563	5	235	54	105	815	406	5	78	54	
					219	144					217	144	T-Siemann
4	191	669	492	5	163	56	190	501	491	5	163	54	
					113	200						198	
5	85	769	386	5	57	56	300	852	601	5	300 1/2 274 1/2	52	
					37 1/2	256					286	250	
6	13	801	314	5	13 1/2	48	286	970	587	5	262	48	
					132	304					180	298	
7	114	611	415	5	96	36	160	839	461	5	140	40	
						340 ✓						338 ✓	
												340	
	1130	728 ✓					1183	6 ~~8~~95 ✓				678 ✓	
							1130	728					
							53 2	967 ✓					BM 13-14A (Fl. Cont. Dist. BM 95-4)
BM 13-14A													Bonita Ave. & Puddingstone Ch.
													@ Bridge No. B-559.
													F.B. 2886-13

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

SURVEY BY G. E. Dreier

NOTES BY Maldonado DATE 6-4-71

INDEXED G. J. GALLO DATE JUN 11 '71

WEATHER Sunny

TIME 2:45 to 3:15

NOTES CHKD RCB

INST. NO. 96716

ROD NO. 95-291

DATE 6-16-71

F.B. 4115 PG. 75

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 13-14A TO BM 13-14
BM 13-14A					172						50 1/2		BM 13-14A (Fl. Cont. Dist. BM 95-4)
1	143	370	444	5	114	58	21	828	322	5	21 1/2	58	Bonita Ave. & Puddingstone
	260				277						96		Channel @ Bridge No. B-559.
2	~~260~~	318	561	5	243	34	78	729	379	5	60	36	F.B. 2886-13 N.W. Cor.
					293	92					93	94	
3	293	476	594	5	275 1/2	36	75	490	376	5	57	36	
					228	128					197	130	π-Siemann
4	189	196	490	5	150	78	197	005	498	5	158 1/2	78	
					97	206					240	208	
5	76	711	377	5	55	42	222	248	523	5	204	36	
					96	248					254	244	
6	76	828	377	5	56	40	234	241	535	5	214	40	
					90	288					248	284	
7	65	425	366	5	40	50	222	598	523	5	196	52	
						338 ✓						336 ✓	
												338	
	1105	324 ✓					1052	139 ✓				674 ✓	
	1052	139											
BM 13-14	+ 53	185 ✓											BM 13-14
													Bonita Ave. & Glenfield Ave. N.E.
													See F.B. 3709-257

T-60°

WEATHER Overcast INST. NO. 96716

TIME 9:25 to ROD NO. 95 & 96

NOTES CHKD RCB DATE 6-16-71

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-8-71

INDEXED L.E. GALLI DATE

4115 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.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM 13-14A TO BM 13-16
BM 13-14A				60				295 1	BM 13-14A (Fl. Cont. Dist. BM 95-4)
1	35	392	336 5	10 50	295	372	596 5	274½ 42	Bonita Ave. & Puddingstone Channel
	17			401				264	@ Bridge B-559.
2	~~16~~	059	318 5	17½ 46	238	721	539 5	212 52	See F.B. 2886-13
				162 96				203 94	
3	122	380	423 5	82 80	163	040	464 5	123 80	
			478	223 176				254 174	
4	177	341	~~341~~ 5	131 92	208	399	509 5	162 92	T-Siemann
				268 ✓				266 ✓	
	5	7				5		268	
	332	122 ✓			905	632 ✓		534 ✓	
BM 13-16					332	122			BM 13-16 (LA VERNE A-12 B)
					~~573~~	~~510~~			Bonita Ave. & Gaffney Ave.
					553	360 ✓			See 3709-263

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

SURVEY BY G. E. Dreier

NOTES BY Maldonado DATE 6-4-71

INDEXED B. J. GALLI DATE JAN 11 '71

WEATHER Overcast

TIME 8:35 to 9:00

NOTES CHKD RCB

INST. NO. 96716

ROD NO. 95-296

DATE 6-16-71

F.B. 4115 PG. 77

T-60

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 BM13-16 TO BM13-14A
BM13-16					270						242		BM13-16 (LA VERNE A-12 B)
1	228	340	529	5	186	84	200	310	501	5	158	84	Bonita Ave. & Gaffney Ave.
					189						162		See F.B. 3709-263
2	146	455	447	5	103	86	118	122	419	5	74	88	
					254	170					102	172	
3	235	953	536	5	216	38	83	921	384	5	64	38	
					298 1/2	208					29 1/2	210	⊼-Siemann
4	298	399	599	5	282 1/2	32	12	542	313	5	12 1/2	34	
					227	240					166	244	
5	214	999	515	5	201	26	155	871	456	5	144	22	BM 13-14A (Fl. Cont. Dist. BM 95-4)
						266 ✓						✓ 266	Bonita Ave. & Puddingstone
BM 13-14A												266	Channel @ Bridge No. B-559
													See F.B 2886-13
	1124	146 ✓					570	766 ✓				✓ 532	
	570	766											
	+553	380 ✓											

T-58°

WEATHER Overcast INST. NO. 96716

TIME 9:00 to 9:20 ROD NO. 95 & 96

NOTES CHKD RCB DATE 6-16-71

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-8-71

INDEXED G. J. GALLI DATE

4115 FG. 78

76P526B CE # 308 8/68

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

SURVEY BY B.E. Dreier

NOTES BY Maldonado DATE 6-7-71

INDEXED G.J. GALLI DATE JUN 11 71

WEATHER Overcast

TIME 9:05 to 9:40

NOTES CHKD RCB DATE 6-16-71

INST. NO. 96776

ROD NO. 95896

F.B. 4115 PG. 79

T-60°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM 13-16 TO BM 13-17
BM 13-16				114				297	BM 13-16 (LA VERNE A-12 B)
1	89	233	390 5	64 50	297	664	598 5	270 ½ 54	Bonita Ave. & Gaffney Ave
	36			55				293	See F.B. 3709-263
2	~~37~~	095	337 5	17 38	274	320	575 5	255 38	
				40 88				291 92	
3	20	723	321 5	0 40	291	114	592 5	270 ½ 42	
				31 128				290 134	π-Miyahira
4	11	517	312 5	11 ½ 40	290	210	591 5	270 ½ 40	
				51 168				233 174	
5	22	560	323 5	22 ½ 58	207	518	508 5	181 52	
				132 226				234 226	
6	116	076	417 5	100 32	219	889	520 5	204 30	
				258 ✓				256 ✓	
								258	
	29~~7~~6	204 ✓			1580	715 ✓		514 ✓	
					29~~6~~6	204			
					128~~3~~4	511 ✓			
									BM 13-17
BM 13-17									Bonita Ave. & Walnut Ave. & Int.
									See F.B. 3709-265

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM13-17 TO BM13-16
BM 13-17					245						116		BM13-17
1	224	162	525	5	203	42	94	135	395	5	72	44	Bonita Ave. & Walnut Ave. & In
					215						79		see F.B. 3709-265
2	196	498	497	5	177	38	60	905	361	5	41	38	
					302	80					43	82	
3	283	589	584	5	264	38	25	267	326	5	7	36	
					281	118					52	118	T-Miyahira
4	264	568	565	5	247	34	36	065	337	5	20	32	
					299 1/2	152					32	150	
5	299	124	600	5	276 1/2	46	9	818	310	5	9 1/2	46	
					301	198					89	196	
6	301	223	602	5	271 1/2	60	59	078	360	5	29	60	
						258 ✓						256 ✓	
												258	
	1569	164 ✓					285	268 ✓				514 ✓	
	285	268											BM 13-16 (LAVERNE A-12B)
BM 13-16	+1283	896 ✓											Bonita Ave. & Gaffney Ave.
													see F.B. 3709-263

T-76°

WEATHER Hazy Sun INST. NO. 96716

TIME 3:05 to 3:35 ROD NO. 95696

NOTES CHKD RCB DATE 6-16-71

F.B. 4115 PG. 80 JOB NO. 030102

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-7-71

INDEXED [illegible] 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

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

SURVEY BY G.E. Dreier WEATHER Overcast INST. NO. 96716

NOTES BY Maldonado DATE 6-8-71 TIME 1:45 to 2:05 ROD NO. 95&96

INDEXED G. J. GALLI DATE JUN 11 71 NOTES CHKD RCB DATE 6-16-71

F.B. 4115 PG. 81

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 13-16 TO BM 13-17
BM 13-16					136						238		BM 13-16 (LAVERNE A-12 B)
1	119	987	420	5	102	34	221	257	522	5	204	34	Bonita Ave. & Gaffney Ave.
					49						264		See F.B. 3709-263
2	32	972	333	5	15	34	246	750	547	5	228	36	
					62	68					293	70	
3	43	196	344	5	24	38	274	308	575	5	255	38	T-Miyahira
					34	106					297	108	
4	15	123	316	5	15 ½	38	278	489	579	5	259	38	Re-Run
					27	144					287	146	
5	7	617	308	5	7 ½	40	266	790	567	5	245	42	
					86	184	222	630	523	5	253 ~~307~~	188	
6	54	317	355	5	~~2~~22	64	~~269~~	~~630~~	~~570~~	5	~~231~~ 191	62 ~~76~~	
						248						~~264~~	
					173						220	250	
7	160	303	461	5	147	26	207	391	508	5	194	~~248~~	
	~~273~~	~~212~~				274	✓					26	
												276 ✓	
												274	BM 13-17
	433	515 ✓					1717	615 ✓				550	Bonita Ave. & Walnut Ave. & Int.
BM 13-17							433	515					See F.B. 3709-265
							1284	100 ✓					

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

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F.B. 4115 PG. 82 JOB NO. 0301.02

SURVEY OF L.A. Co Precise Level Net

SURVEY BY Dreier NOTES Malonado 6-8-71

INDEXED ~~C.L.C.~~ DATE

WEATHER Overcast INST. NO. 96716

TIME 2:25 to 3:05 ROD NO. 95396

NOTES CHKD RCB DATE 6-16-71

T-70°

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													From BM 13-17 to BM 13-16
BM 13-17					244						122		BM 13-17
1	225	848	526	5	206	38	100	597	401	5	78	44	Bonita Ave. & Walnut Ave.
					227						82		F.B. 3709-265 & Int.
2	204	790	505	5	181	46	62	172	363	5	42	40	
					301 1/2	84					30 1/2	84	
3	301	887	602	5	282	38	10	441	311	5	10	40	
					288	122					44	124	
4	270	643	571	5	252	36	26	146	327	5	8	36	T-Miyahira
					280	158					51	160	
5	262	716	563	5	~~244~~	36 ~~38~~	32	112	333	5	13	38	Re-Run
					282	216					79	198	
6	264	856	565	5	246	194 36	63	583	364	5	47	32	
					215	230					167	230	
7	202	360	503	5	189	26	154	085	455	5	141	28	
						256 ✓						258 ✓	
												256	
	1733	100 ✓					449	136 ✓				514 ✓	
	449	136											
	+1283	964 ✓											
BM 13-16													BM 13-16 (LA Verne A-12 B)
													Bonita Ave. & Gaffney Ave.
													See F.B. 3709-263

✓ 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						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 13-17 TO BM 13-18
BM 13-17					135						242		BM 13-17
1	110	943	411	5	85	50	217	210	518	5	192	50	Bonita Ave. & Walnut Ave
					94						276		F.B. 3709-265 ℄ Int
2	55	974	356	5	16	78	276	778	577	5	237½	78	
					78	128					294	128	
3	41	062	342	5	4	74	294	721	595	5	256½	76	
						202 ✓						204 ✓	X-Miyahira
												202	
	208	079 ✓					788	709 ✓				406 ✓	
	79						208	079					
							580	630					
BM 13-18							580	730 ✓					BM 13-18
													Bonita Ave. & San Dimas Ave.
													See F.B. 3709-267 ℄ Int.

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

SURVEY BY G. E. Dreier

NOTES BY Maldonado DATE 6-7-71

INDEXED J. GALLI DATE JUN 11 71

WEATHER Overcast INST. NO. 96716

TIME 9:50 to 10:15 ROD NO. 95 & 96

NOTES CHKD RCB DATE 6-16-71

F.B. 4115 PG. 83

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Do not extend notes this side of this line.

SURVEY OF L.A.Co. Precise Level Net
SURVEY BY Dreier NOTES Maldonado 6-7-71
INDEXED G.B. DATE
JOB NO. 030102
4115 84
T-6
WEATHER Hazy Sun INST. NO. 96716
TIME 2:40 to 3:05 ROD NO. 95-E-91
NOTES CHKD RCB DATE 6-16-71

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 13-18 TO BM 13-17
BM 13-18													BM 13-18
					238						108		Bonita Ave. & San Dimas Ave.
1	224	047	525	5	210	28	94	819	395	5	80	28	See F.B. 3709-267 & Int.
					249						101		
2	224	059	525	5	199	50	76	313	377	5	51	50	
					249	78					114	78	
3	224	257	525	5	199	50	89	378	390	5	64	50	T. Miyahira
					236	128					104	128	
4	211	181	512	5	186	50	79	273	380	5	54	50	
					203	178					166	178	
5	188	384	489	5	173	30	151	550	452	5	136	30	
						208 ✓						208 ✓	
												208	
	1071	928 ✓					491	333 ✓				416 ✓	
	491	333											BM 13-17
BM 13-17	1580	595 ✓											Bonita Ave. & Walnut Ave.
													F.B. 3709-265 & Int.

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 G.E. Dreier DATE 6-7-71 WEATHER Overcast INST. NO 96718
NOTES BY Maldonado TIME 10:15 to 10:40 ROD NO 85896
INDEXED G.I. GAN DATE JUN 11 '71 NOTES CHKD RCB DATE 6-16-71
T-62 F.B. 4165 PG. 85

STATION	BACKSIGHT Right	Mic.	Left.		Stadia		FORESIGHT Right	Mic.	Left.		Stadia		DESCRIPTION AND REMARKS
													From BM 13-18 To BM 13-19
BM 13-18					240						121		BM 13-18
1	219	072	520	5	198	42	98	414	399	5	75	46	Bonita Ave & San Dimas Ave. & Int.
					287						46		See F.B. 3709-267
2	248	198	550	5	211	76	8	457	309	5	8 ½	76	
					272	118					112	122	
3	272	083	573	5	234 ½	72	74	415	375	5	36	76	
					176	190					176	198	K. Miyahira
4	159	114	460	5	144	30	164	070	465	5	152	24	
						220 ✓						222 ✓	
												220	
	899	467 ✓					345	356 ✓				442 ✓	
	345	356											
BM 13-19	554	111 ✓											BM 13-19
													San Dimas Ave & Fourth Ave.
													F.B. 1380-148 & Int.

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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 BM 13-19 TO BM 13-18
BM 13-19													BM 13-19
					160						195		San Dimas Ave. & Fourth Ave. & In
1	144	833	445	5	122	44	172	670	473	5	149	46	See F.B. 1380-148
					125						266		
2	100	467	401	5	75	50	241	560	542	5	216	50	
					85	94					257	96	
3	60	752	361	5	35	50	232	933	533	5	207	50	
					103	144					262	146	π-Miyahira
4	75	421	376	5	47	56	232	330	533	5	202	60	
					86	200					139	206	
5	73	217	374	5	60	26	129	420	430	5	119	20	
						226 ✓						226 ✓	
												226	
BM 13-18	454	690 ✓					1008	913 ✓				452 ✓	BM 13-18
							454	690					Bonita Ave. & San Dimas Ave.
							554	223 ✓					See F.B. 3709-267 & Int.

T-62°

WEATHER Hazy Sun INST. NO. 96716

TIME 2:10 to 2:40 ROD NO. 95896

NOTES CHKD RCB DATE 6-16-71

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-7-71

INDEXED [redacted] DATE

4115 PG. 86

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 T = 60

SURVEY BY G E Dreier

NOTES BY Miyahira DATE 7 June '71 WEATHER Calm & Clear INST. NO. 96716

INDEXED [illegible] DATE [illegible] 11 71 TIME 1040 ROD NO. 95496

NOTES CHKD RCB DATE 6-16-71

F.B. 4115 PG. 87

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 13-19 TO BM 11-44
BM ~~13~~-19 ~~34~~													BM ~~11-44~~ 13-19
1	222	300	523	5	236 / 208	28	33	434	334	5	48 / 18	30	~~Gladstone @ San Dimas Ave ℄~~
													See FB ~~1376-42~~ 1380-148
2	300	987	801	5	(1/2) 300 / 283	34	6	497	307	5	(1/2) 21 / 6	30	San Dima Ave @ Fourth Ave ℄
						62						60	π Maldonado
3	299	712	600	5	(1/2) 299 / 282	34	3	452	304	5	(1/2) 19 / 3	32	
						96						92	
4	265	971	566	5	280 / 250	30	57	821	358	5	75 / 39	36	
						126						128	
5	258	612	559	5	276 / 240	36	49	318	350	5	67 / 31	36	
						162						164	
6	217	223	518	5	228 / 206	22	172	978	473	5	182 / 162	20	
	233	21				184	233	33				184	
BM 11-44												184	BM 11-44
	1564	805					323	500				368	Glad stone St. @ San Dimas Ave ℄
	323	500											See FB 1376-42
+	1241	305											

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F.B. 4115 PG. 88 JOB NO. 0301.02

SURVEY OF L A Co. Precise Level Net

SURVEY BY G E Dreier NOTES Miyehira 7 June '71

INDEXED [redacted] DATE

WEATHER Calm & Clear INST. NO. 96716

TIME 1350 ROD NO. 95494

NOTES CHKD RCB DATE 6-16-71

T= 76

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 11-44 TO BM 13-19
BM 11-44													BM 11-44
1	118	152	419	5	140 96	44	300	731	601	5	(1) 300 (2) 276	48	Gladstone St. @ San Dimas Ave &
													See FB 1376-42
2	21	545	322	5	40 2	38	277	177	578	5	296 258	38	
						82						86	π Maldonado
3	54	778	355	5	68 40	28	273	659	574	5	286 260	26	
						110						112	
4	6	841	307	5	(1/2) 20 6	28	256	688	557	5	268 244	24	
						138						136	
5	12	082	313	5	(1/2) 26 12	28	259	613	559	5	274 244	30	
						166						166	
6	105	391	406	5	114 96	18	192	182	493	5	200 184	16	
						184 ✓						182 ✓	
BM 13-19												184	BM 13-19
	318	789 ✓					1560	50 ✓				366 ✓	~~Gladstone St. @~~
							318	789					SAN DIMAS AVE & 4th AVE.
													SEE F.B. 1380-148
							1241	261 ✓					

76P526B CE # 308 8/68

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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 BM 11-44 TO BM 11-43
BM 11-44													BM 11-44
1	219	400	520	5	234 204	30	71	892	372	5	86 56	30	Gladstone St. @ Sandimas Ave &
													See FB 1376-42
2	177	918	478	5	191 163	28	196	039	497	5	210 182	28	
						58						58	⊼ Maldonado
3	34	835	335	5	60 8	52	277	702	578	5	303 251	52	
						110						110	
4	138	958	439	5	164 112	52	31	538	332	5	55 7	48	
						162						158	
5	290	061	591	5	(1) 290 (2) 264	52	40	365	341	5	67 13	54	
						214						212	
6	180	161	481	5	208 152	56	140	952	441	5	168 112	56	
						270						268	
7	122	009	423	5	157 87	70	252	811	553	5	288 216	72	
						340						340	
8	~~113~~	~~619~~	~~414~~	~~5~~	203 173	30	~~188~~	~~698~~	~~489~~	~~5~~	120 97	32	
	188	698	489	5	✓	370	183	619	414	5		372 ✓	
BM 11-43												370	BM 11-43
	1352	040 ✓					1124	918 ✓				742 ✓	Gladstone St. @ Cataract Ave &
	1124	918					~~1352~~	~~040~~					See FB 1376-41
	+227	122 ✓					~~72~~	~~878~~					

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T= 64

SURVEY BY G E Dreier

NOTES BY Miyahira DATE 7 June '71 WEATHER Calm & Clear INST. NO. 96716

INDEXED L.L. GALLI DATE JUN 11 '71 TIME 1110 ROD NO. 95896

NOTES CHKD RCB DATE 6-16-71

F.B. 4115 PG. 89

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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.

F.B. 4115 PG. 90 JOB NO.

SURVEY OF LA Co Precise Level Net

SURVEY BY GE Dreier NOTES Miyahira 7 June '71

INDEXED [redacted] DATE

Tz 70

WEATHER Calm & Clear INST. NO. 96716

TIME 1320 ROD NO. 95416

NOTES CHKD. RLB DATE 6-16-71

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 11-43 TO BM 11-44
BM 11-43													BM 11-43
1	212	933	413	5	238 / 186	52	159	630	460	5	185 / 133	52	Gladstone St. @ Cataract Ave
													See FB 1376-41
2	139	695	440	5	166 / 112	54	215	990	516	5	242 / 188	54	
						106						106	T. Maldonado
3	16	106	317	5	(2) 45 / 16	58	293	809	594	5	(2) 293 / 265	56	
						164						162	
4	90	352	391	5	120 / 60	60	13	831	314	5	(2) 44 / 13	62	
						224						224	
5	278	809	579	5	306 / 250	56	126	121	421	5	147 / 93	54	
						286						278	
6	60	738 ~~738~~	361	5	76 / 44	32	222	913	523	5	238 / 206	32	
						312 ✓						310 ✓	
BM 11-44												312	BM 11-44
	798	633 ✓					1025	694 ✓				622 ✓	Gladstone St. @ San Dimas Ave
							798	633					See FB 1376-42
						—	227	061 ✓					

76P526B CE # 308 8/68

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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 11-43 TO BM 11-43A
BM 11-43				~~5~~						~~5~~			BM 11-43
1	84	503	385	5	110 58	52	246	765	547	5	271 221	50	Gladstone St @ Cataract Ave &
													See FB 1376-41
2	133	859	434	5	136 130	~~36~~	172	130	473	176 168		~~38~~	~~J. MALDONADO~~
						~~88~~ 58						~~88~~ 58	
BM 11-43A												~~58~~	BM 11-43A
	218	362					418	895				~~176~~	Gladstone St. @ 42 mi E. Amelia Ave &
							218	362				116	SEE F.B. 2880-28
							200	533					

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

SURVEY BY G. E. Dreier

NOTES BY Miyahira DATE 7 June '71

INDEXED [illegible] DATE JUN 11 '71

WEATHER ~~S~~ Calm & Clear

TIME 11:30

NOTES CHKD RCB DATE 6-16-71

INST. NO. 96716

ROD NO. 95 & 96

F.B. 4115 PG. 91

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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 11-43A TO BM 11-43
BM 11-43A									BM 11-43A
									Gladstone St. 0.42 mi E'ly of Amelia
									See FB 2880-28
1	282	513	583 5	(1) 282 253 (1) 58	81	893	382 5	109 53 56	⊼ Maldonado
	81	893						56 ✓	
BM 11-43								58	BM 11-43
	+200	620 ✓						114 ✓	Gladstone St. @ Cataract Ave
									See FB 1376-41

T=70

WEATHER CLEAR INST. NO. 96716

TIME 11:45 ROD NO. 95896

NOTES CHKD RCB DATE 6-16-71

F.B. 4115 PG. 92 JOB NO. 0301.02

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES MIYAHIRA 6-7-71

INDEXED G.J. GALLI DATE

Notes Ck'd by	Survey of L.A.Co PRECISE LEVEL NET
Map No.	J.N. 0301.02 Tape Std °F
Office Work	Surveyed by G.E.DREIER
Checked	Notes Date JUNE 1971
Date	Indexed J. GALLI 2-9-71

F. B. 4115 PG. 99

JOB NO. 0301.02

L.A.CO. PRECISE LEVEL NET

LINE NO. 17, 1971 RELEVELING

REFERENCES

DESCRIPTIONS F.B. 1381
1390
2897
3711

DREIER
SIEMANN
MALDONADO
McKNIGHT
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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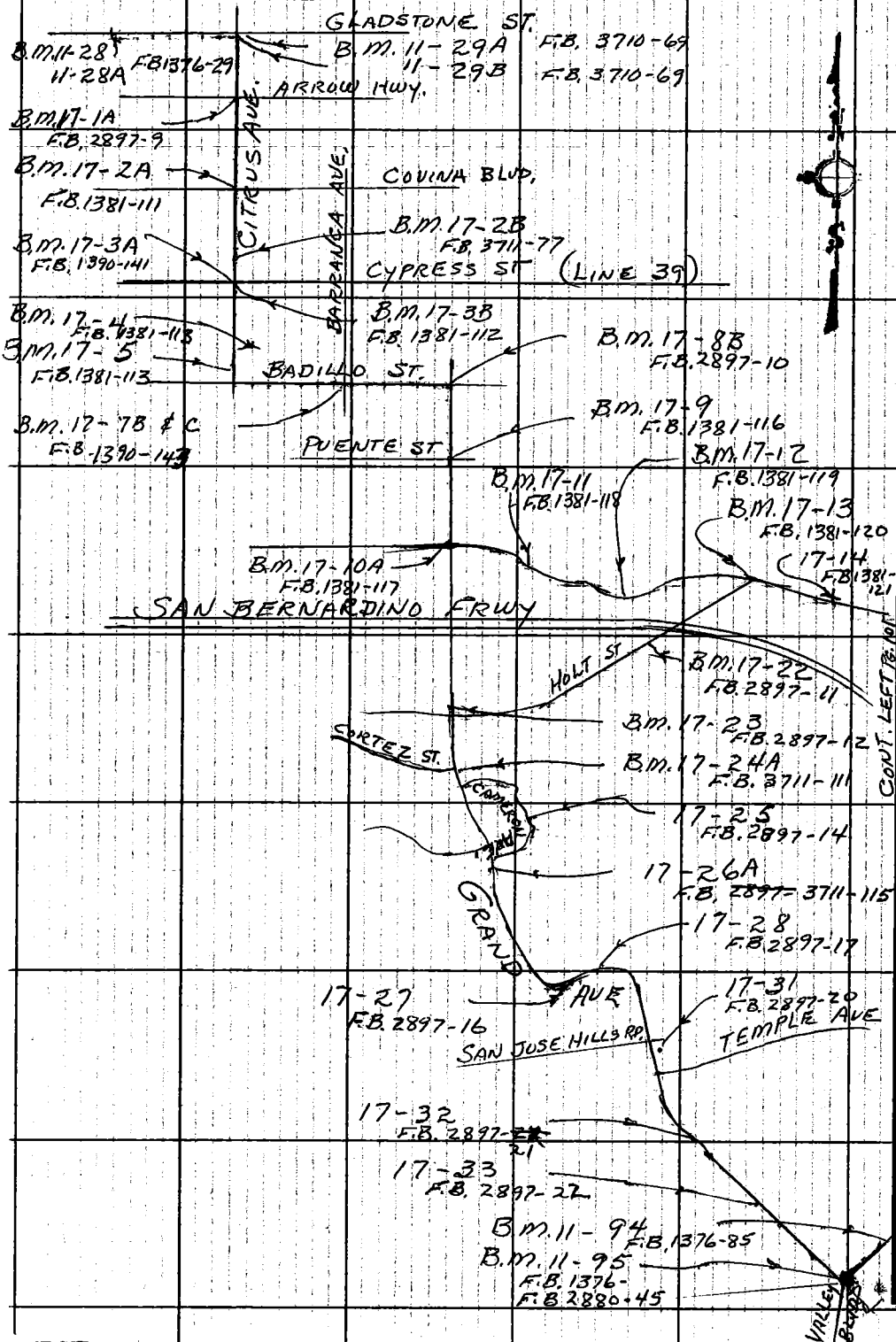
403 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S CE#310 3-68

ROUTE SKETCH LINE 17 (1971)

F. B. 4115 PG 100



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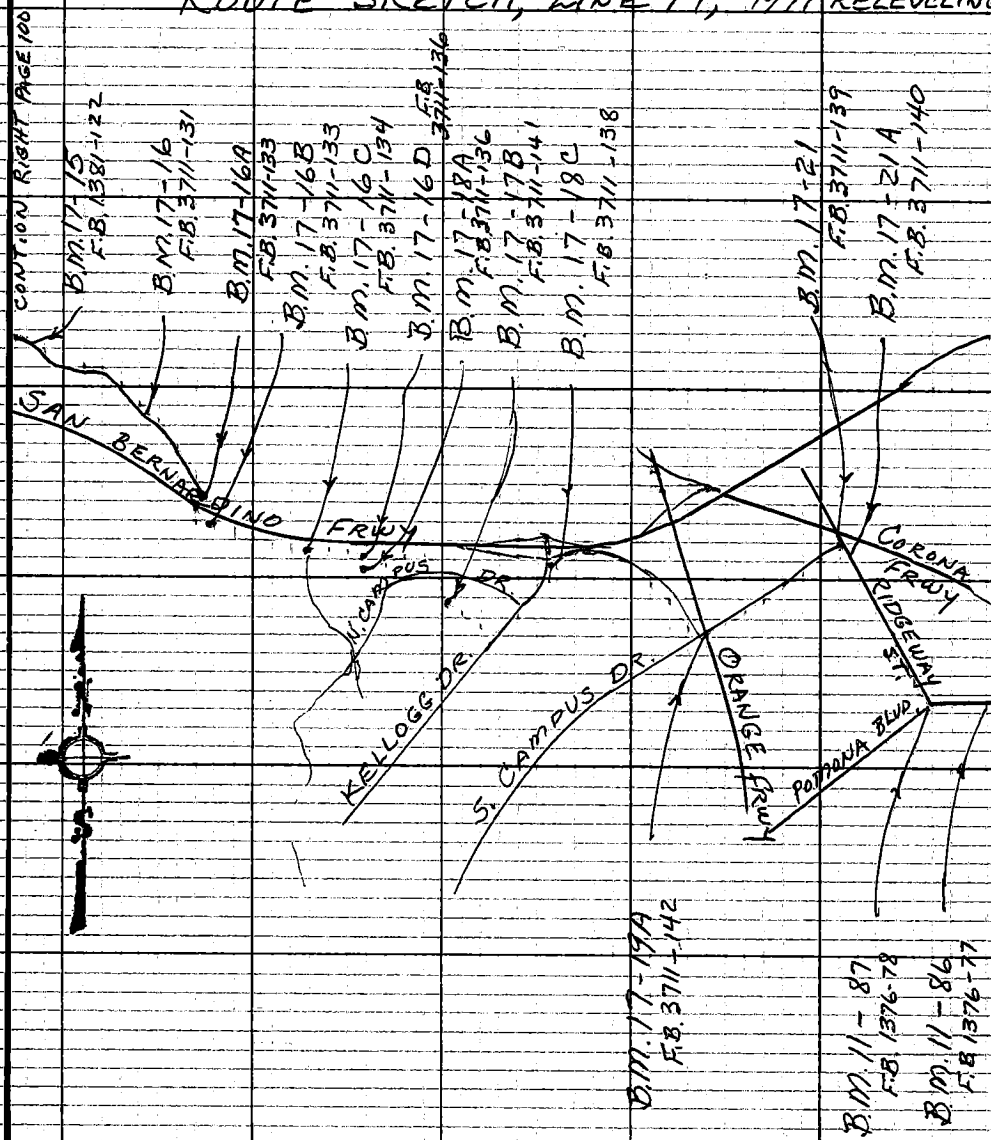
Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

Notes Ck'd by	Survey of L.A.Co. PRECISE LEVEL NET
Map No.	JN 0301.02 Tape Std °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes G.E. DREIER Date JUNE 1971
Date	Indexed L. GALLI JUL 29 71

F.B. 4115 PG. 101

ROUTE SKETCH, LINE 17, 1971 RELEVELING



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76F309S CE#310 3-68

76P526B CE # 308 8-59

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T= 62°

SURVEY BY G.E. DREIER WEATHER OVERCAST INST. NO. 96716

NOTES BY SIEMANN DATE 6-9-71 TIME 1:25 TO 1:35 ROD NO. 95896

INDEXED C.L. GALLI DATE 2-9-71 NOTES CHKD DATE

F.B. 4115 PG. 103

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	147	153	448 5	149 145 4	179	479	480 5	206 152 54	54M- 4 M= 50 M=0.20 mm
2	141	487	442 5	143 139 4	109	250	410 5	136 82 54	54M- 4 M= 50 M=0.20 mm
	288	640			288	729		108	
				8		040		8	
	+				-0.	mm			Curvature Corr.=0.40mm
					288	689		100	
					288	640			
					-	049			

mm= "C"

005 mm= "C"

100 / 0 49

76P526B CE # 308 8-59

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LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T-58 F.B. 4115 PG. 105
SURVEY BY G. E. Dreier DATE 6-10-71 WEATHER Overcast INST. NO. 96716
NOTES BY Dreier TIME 8:35 ROD NO. 95-96
INDEXED L. GALLI DATE JUL 29 71 NOTES CHKD DATE

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	109	452 5	153 149 4	99	660	400 5	126 72 54	54 M- 4 M=50 M=0.20 mm
2	163	450	464 5	165 161 4	214	938	515 5	241 187 54	54 M- 4 M=50 M=0.20 mm
	314	559		8	314	598		108	
	314	558				040 mm		8	
	+	001			-0. mm				Curvature Corr.=0.40 mm
					314	558			
	+	0.0001	mm= "C"						
	100 /	0.0100							
						/	mm= "C"		

76P526B CE # 308 8-59

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T=64

SURVEY BY G E Dreier WEATHER Overcast INST. NO. 96716

NOTES BY Miyahira DATE 11 June 1971 TIME 0845 ROD NO. 95691

INDEXED [illegible] DATE [illegible] NOTES CHKD DATE

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	155	002	456 5	157 / 163 4	136	140	437 5	163 / 109 54	54 M- 4 M= 50 M=0.20 mm
2	158	460	459 5	160 / 156 4	177	281	478 5	204 / 150 54	54 M- 4 M= 50 M=0.20 mm
	313	462			313	421			
	313	380				040			
	+	082			~~-0.~~	~~mm~~			Curvature Corr.=0.40 mm
					-312	380			
		.008		mm= "C"					
	100 /	0.82							
								mm= "C"	

76P526B CE # 308 8-59

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T-740

SURVEY BY G. E. Dreier WEATHER Hazy Sun INST. NO. 96716

NOTES BY Maldonado DATE 6-14-71 TIME 8:40 ROD NO. 95896

INDEXED G.J. CALD DATE 11 29 71 NOTES CHKD. DATE

F.B. 4115 PG. 109

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	160	190	461 5	162 158 4	266	795	567 5	293 239 54	54 M- 4 M= 50 M=0.20 mm
2	141	433	442 5	143 139 4	34	737	335 5	61 7 54	54 M- 4 M= 50 M=0.20 mm
	301	623		8	301	532		108	
	301	492				040 mm		8	Curvature Corr.=0.40 mm
	+	131			~~-0.~~	~~mm~~			
					301	492		100	
					-				

+ 0.010 mm= "C"

100 / 1310

100

10

mm= "C"

76P526B CE # 308 8-59

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

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

SURVEY BY G.E. Dreier WEATHER Hazy Sun INST. NO. 96716

NOTES BY Maldonado DATE 6-15-71 TIME 8:30 ROD NO. 95 & 96

INDEXED G. I. GALLI DATE 6 29 71 NOTES CHKD. DATE

F.B. 4115 PG. 111

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	154	999	455 5	156 152 4	142	590	443 5	169 115 54	54 M- 4 M=50 M=0.20 mm
2	160	242	461 5	162 158 4	172	609	473 5	199 145 54	54 M- 4 M=50 M=0.20 mm
	315	241		8	315	199		108	
	315	159				040 mm			
	+	082			-0.	mm		8	Curvature Corr.=0.40 mm
					315	159		100	
					-				

+ 01008 mm= "C"

100 / 0.820

mm= "C"

76P526B CE # 308 8-59

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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 ____ TO ____
			DETERMINATION OF "C"						
		NEAR ROD				FAR ROD			
1	168 ~~269~~	938	469 5	170 166 4	75	939	376 5	102 48 54	54 M- 4 M= 50 M=0.20 mm
2	155	352 ~~858~~	456 5	157 153 4	248	250	549 5	275 221 54	54 M- 4 M= 50 M=0.20 mm
	324	290			324	189		08	
	324	149		8		040 mm			
	+	150			~~-0.~~	mm		8	Curvature Corr.=0.40 mm
					324	149		100	
					-				
		.015	mm= "C"						
	100 /	1.50							
						mm= "C"			

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

SURVEY BY G.E. Dreier

NOTES BY Maldonado DATE 6-16-71

INDEXED G.J. GANDY DATE JUL 29 71

WEATHER Hazy Sun

TIME 10:05

NOTES CHKD

DATE

INST. NO. 96716

ROD NO. 95896

F.B. 4115 PG. 113

T-84

76P526B CE # 308 8-59

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

SURVEY BY G. F. Dreier

NOTES BY SIEMANN DATE 6-17-71

INDEXED S. L. GALLI DATE JUL 29 71

WEATHER Hazy Sun INST. NO. 96716

TIME 9:00 TO 9:10 ROD NO. 95-96

NOTES CHKD DATE

F.B. 4115 PG. 115

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	165	753	466 5	167 163 4	72	768	373 5	99 45 54	54 M- 4 M= 50 M=0.20 mm
2	151	357	452 5	153 149 4	244	287	545 5	271 217 54	54 M- 4 M= 50 M=0.20 mm
	317	110			317	055		108	
	317	015		8		040 mm			
	+	095			-0.	mm		8	Curvature Corr.=0.40 mm
					317	015		100	
					-				
		.0095		mm= "C"					
	100 /	0.95							
							mm= "C"		

76P526B CE # 308 8-59

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T. 40

SURVEY BY G.E. Dreier

NOTES BY Maldonado DATE 6-18-71 WEATHER Hazy Sun INST. NO. 96716

INDEXED G. J. GALLI DATE JUL 29 71 TIME 1:50 ROD NO. 95496

NOTES CHKD DATE

F.B. 4115 PG. 117

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	192	008	493 5	194 190 4	245	811	546 5	272 218 54	54 M- 4 M= 50 M=0.20 mm
2	154	595	455 5	156 152 4	100	671	401 5	127 73 54	54 M- 4 M= 50 M=0.20 mm
	346	603		8	346	482		108	
	346	442				040 mm		8	
	+	161			-0. mm				Curvature Corr.=0.40 mm
					346	442		100	
					-				

+ 0.015 mm= "C"

100 / 1.610
100
510

mm= "C"

76P526B CE # 308 8-59

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

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G.E. DREIER DATE 6-21-71 WEATHER SMOG 81° F.B. 4115 PG. 119
NOTES BY G.E. DREIER TIME 8:30 INST. NO. 96716
INDEXED G.J. GALLI DATE 2 9 71 NOTES CHKD. DATE ROD NO. 95 & 9

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	144	468	446 5	142 143 4	188	974	489 5	215 161 54	54 M- 4 M= 50 M=0.20 mm
2	140	989	441 5	142 138 4	97	441	398 5	124 70 54	54 M- 4 M= 50 M=0.20 mm
	285	457		8	285	415		108	1
	285	375				0.40 mm.			
	+	082			-0. mm			-8	Curvature Corr.=0.40 mm
					285	375		100	
					-				
	+ 0.008			mm= "C"					
	100 / 0.82								
							mm= "C"		

76P526B CE # 308 6-59

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LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET 82°

SURVEY BY G.E. DREIER WEATHER SMOGGY INST. NO 96716

NOTES BY G.E. DR DATE 6-22-71 TIME 9:10 ROD NO. 95896

INDEXED S.J. GALLI DATE 11 29 71 NOTES CHKD DATE

F.B. 4115 PG. 121

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT		STADIA		RIGHT	MIC.	LEFT		STADIA		FROM ____ TO ____
	DETERMINATION OF "C"												
	NEAR ROD						FAR ROD						
1	150	232	451	5	152 148	4	176	070	477	5	203 149	54	54M- 4M= 50M=0.20 mm
2	136	872	437	5	138 134	4	110	970	411	5	137 83	54	54M- 4M= 50M=0.20 mm
	287	104				8	287	040				108	
	287	000						0.40					
	+	104					-0.	mm				8	Curvature Corr.=0.40 mm
							287	000				100	
							-						
		+0.010			mm= "C"								
	100 /	1.04											
									mm = "C"				

76P526B CE # 308 8-59

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LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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

SURVEY BY G.E. Dreier

NOTES BY Maldonado DATE 6-23-71

INDEXED G.J. GALLI DATE 11 29 71

WEATHER 8:40 Hazy Sun INST. NO. 96716

TIME 8:40 ROD NO. 95896

NOTES CHKD DATE

F.B. 4115 PG. 123

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	152	892	453 5	154 150 4	164	040	465 5	191 137 54	54 M- 4 M= 50 M=0.20 mm
2	156	871	457 5	158 154 4	145	567	446 5	172 118 54	54 M- 4 M= 50 M=0.20 mm
	309	763		8	309	607		108	
	309	567				040		8	
	+	196			~~-0.~~	~~mm~~ mm			Curvature Corr.=0.40 mm
					309	567		100	
					-				
	+	0.019		mm= "C"					
	100.7	1.960							
		100							
		960							
							mm= "C"		

76P526B CE # 308 6-59

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LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T-82

SURVEY BY G. E. DREIER WEATHER HAZE INST. NO 96716

NOTES BY G. E. DREIER DATE 6-25-71 TIME 1:50 ROD NO 95896

INDEXED G. L. GALLI DATE JL 29 71 NOTES CHKD DATE

F.B. 4115 PG. 125

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	872	442 5	143 139 4	163	778	464 5	190 136 54	54 M- 4 M= 50 M=0.20 mm
2	192	530	493 5	194 190 4	170	446	471 5	197 143 54	54 M- 4 M= 50 M=0.20 mm
	334	402		8	334	224		108	
	334	284				0.40 mm			
	+ 0	218			-0.	mm		8	Curvature Corr.=0.40 mm
					334	284		100	
					-				

+ 0 0.022 mm= "C"

100 / 0 2.18

mm = "C"

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY G.E. Dreier

NOTES BY Maldonado DATE 6-28-71 WEATHER Hazy Sun INST. NO. 96716

INDEXED [illegible] DATE [illegible] TIME 9:00 ROD NO. 95896

NOTES CHKD. DATE

F.B. 4115 PG. 127

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	160	590	461 5	162 158 4	167	253	468 5	194 140 54	54 M- ~~50~~ 4 M= 50 M=0.20 mm
2	154	656	455 5	156 152 4	147	917	448 5	174 120 54	54 M- 4 M= 50 M=0.20 mm
	315	246		8	315	170		108	
	315	130				040 mm		8	
	+	116			-0. mm				Curvature Corr.=0.40 mm
					315	130		100	
					-				

+ 0.010 mm= "C"

100 / 1.160
100
16

mm= "C"

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET 7-58

SURVEY BY G.E. Dreier WEATHER Overcast INST. NO. 96716

NOTES BY Maldonado DATE 6-29-71 TIME 8:40 ROD NO. 95 & 96

INDEXED G. J. GALLI DATE 11 29 71 NOTES CHKD DATE

F.B. 4115 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	170 ~~169~~	370 ~~213~~	1 47~~0~~ 5	172 168 4	220	780	521 5	248 194 54	54 M- 4 M= 50 M=0.20 mm
2	154	30 ~~519~~	455 5	156 152 4	104	001	405 5	131 77 54	54 M- 4 M= 50 M=0.20 mm
	324	809		8	324	781		108	
	324	741				040 mm		8	Curvature Corr.=0.40 mm
	+	058			~~-0.~~	~~mm~~			
					324	741		100	
					-				

+ 0.005 mm= "C"

100 / 0.580

mm= "C"

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T-90°

SURVEY BY G.E. Dreier

NOTES BY ~~Maldonado~~ Miyahira DATE 6-30-71

INDEXED L. J. GALLI DATE JL 29 TT

WEATHER Hazy Sun TIME

NOTES CHKD

INST. NO. 96716

ROD NO. 95 & 96

DATE

F.B. 4115 PG. 131

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 ~~119~~	329	451 5	152 148 4	119	043	420 5	146 92 54	54 M- 4 M= 50 M=0.20 mm
2	136	017	437 5	138 134 4	167	180	468 5	194 140 54	54 M- 4 M= 50 M=0.20 mm
	286	346		8	286	223		108	
	286	183		~~4~~		0.40 mm		-8	
	+	163			~~0.~~	mm		~~54~~	Curvature Corr.=0.40 mm
					286	183		100	
					-				

π Maldonado

.016 mm= "C"

100 / 1.63

mm= "C"

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET 7-12

SURVEY BY G.E. Dreier

NOTES BY Maldonado DATE 7-1-71 WEATHER Hazy Sun INST. NO 96716

INDEXED G.J. RAFT DATE JUL 29 71 TIME 9:10 ROD NO. 95896

NOTES CHKD. DATE

F.B. 4115 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	142	234	443 5	144 140 ~~4~~ 4 4	169	089	470 5	196 142 ~~54~~ 54	54M- 4 M= 50 M=0.20 mm
2	153	397	454 5	155 151 4	126	558	527 5	153 99 54	54M- 4 M= 50 M=0.20 mm
	295	631		8	295	647		108	
	295	607				040 mm		8	
	+	024			-0. mm				Curvature Corr.=0.40 mm
					295	607		100	
					-				

+ 0.002 mm= "C"

100 / 0.240

mm= "C"

76P526B CE # 308 8-59

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T-70°
SURVEY BY G.E. Dreier DATE 7-2-71 WEATHER Hazy Sun INST. NO. 96716
NOTES BY Maldonado TIME 8:45 ROD NO. 85296
INDEXED G.L. GALLI DATE JUL 29 '71 NOTES CHKD. DATE
F.B. 4115 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	147	894	448 5	149 145 4	185	255	486 5	212 158 54	54 M- 4 M= 50 M=0.20 mm
2	145	620	446 5	147 143 4	108	195	409 5	135 81 54	54 M- 4 M= 50 M=0.20 mm
	293	514		8	293	450		108	
	293	410				040 mm		8	
	+	104			-0.	mm			Curvature Corr.=0.40 mm
					293	410		100	
					-				
	+	0.010		mm= "C"					
	400 /	1.04							
						/		mm= "C"	

76P526B CE # 308 8-59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY GE DREIER WEATHER

NOTES BY MIYAHIRA DATE 15 July 1971 TIME 9:00 INST. NO. 96716

INDEXED [illegible] DATE [illegible] 29 71 NOTES CHKD. DATE ROD NO. 95[illegible]

F.B. 4115 PG. 136

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	146	053	447 5	148 144 4	124	610	425 5	151 97 54	54 M- 4 M= 50 M=0.20 mm
2	153	347	454 5	155 151 4	174	922	475 5	201 147 54	54 M- 4 M= 50 M=0.20 mm
	299	400			199	532			
						0.40 mm			
	+			~~4~~ 8	~~-0.~~	~~mm~~		~~54~~	Curvature Corr.=0.40 mm
					299	492		108	
					299	400		-8	
					-	0.92		100	⊼ MALDONADO

mm= "C"

.009 mm= "C"

100 / 0.92

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=62°

SURVEY BY GEORGE E. DREIER DATE 6-9-71 WEATHER OVERCAST INST. NO. 96716

NOTES BY SIEMANN TIME 2:05 TO 2:10 ROD NO. 95496

INDEXED J. GALLI DATE JUL 29 71 NOTES CHKD BLANCHARD DATE AUG 10 71

F.B. 4115 PG. 137

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 11-28 TO B.M. 11-28 A
B.M. 11-28													B.M. 11-28
1	205	803	506	5	189 (221)	32	135	821	436	5	118 (152)	34	GLADSTONE ST. & CERRITOS AVE. JCT.
													SEE F.B. 1376-29
	135	821											
												32	T = MALDONADO
	+ 69	982										66	
B.M. 11-28 A													B.M. 11-28 A
													GLADSTONE ST. & CERRITOS AVE. S
													SEE F.B. 1376-29

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 4115 PG. 138 JOB NO. 0301.02

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 6-9-71

INDEXED G. J. GALLI DATE

T = 62°

WEATHER OVERCAST INST. NO. 76716

TIME 2:00 TO 2:05 ROD NO. 95456

NOTES CHKD BLANCHARD DATE AUG 10 '71

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 11-28A TO B.M. 11-28
B.M. 11-28A													B.M. 11-28A
1	132	084	433	5	149 115	34	202	083	503	5	218 186	32	GLADSTONE ST. & CERRITOS AVE
													TO SO. SEE F.B. 1376-29
							132	084				34	
												66 ✓	TT = MALDONADO
							69	999 ✓					
B.M. 11-28													B.M. 11-28
													GLADSTONE ST. & CERRITOS AVE TO N.
													SEE F.B. 1376-29

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 B.M. 11-28A TO B.M. 11-29B
B.M. 11-28 A									B.M. 11-28A
1	274	777	575 5	274 232 84	65	614	366 5	107 23 84	GLADSTONE ST. & CERRITOS AVE TO S.
									SEE F.B. 1376-29
2	280	043	581 5	280 235 90	12	230	313 5	58 12 92	
				174				176	
3	299	830	600 5	299 255 88	47	123	348 5	90 4 86	
				262				262	T = MALDONADO
4	243	741	544 5	289 197 92	25	299	326 5	73 25 96	
				354				358	
5	246	970	547 5	272 220 52	127	657	428 5	151 103 48	
				406 ✓				406 ✓	
B.M. 11-29B								406	B.M. 11-29 B
	1345	361 ✓			277	923 ✓		812	GLADSTONE ST. & CITRUS AVE. ℄
	277	923							SEE F.B. 3710-69
	+1067	438 ✓							

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T = 62°

SURVEY BY G. E. DREIER WEATHER OVERCAST INST. NO. 96716

NOTES BY SIEMANN DATE 6-9-71 TIME 2:10 TO 2:30 ROD NO. 95896

INDEXED G. J. GALLI DATE JUL 29 '71 NOTES CHKD BLANCHARD DATE AUG 10 '71

F.B. 4115 PG. 139

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 11-29B TO B.M. 11-28A
B.M. 11-29B									B.M 11-29B
1	65	593	366 5	½ 100 65 70	230	997	531 5	265 195 70	GLADSTONE ST. & CITRUS AVE. & IN
									SEE F.B. 3710-69
2	50	730	351 5	95 5 90	244	108	545 5	289 199 90	
				160				160	
3	3	330	304 5	½ 53 3 100	300	612	601 5	300 ~~[illegible]~~ 98	π = MALDONADO
				260				251 258	
4	36	862	337 5	½ 78 36 84	291	395	592 5	291 247 88	
				344				346	
5	83	479	384 5	114 52 62	240	375	541 5	271 209 62	
				406				408	
B.M. 11-28A								406	B.M. 11-28A
	239	994			1307	487		814	GLADSTONE ST. & CERRITOS AVE. S.
					239	994			SEE F.B. 1376-29
				-	1067	493			

T = 62°

WEATHER OVERCAST INST. NO. 96716

TIME 1:35 TO 1:55 ROD NO. 95496

NOTES CHKD BLANCHARD DATE MAR 10

F.B. 4115 PG. 140 JOB NO. 0301.02

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 6-9-71

INDEXED G. J. GAUL 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 = 62 F.B. 4115 PG. 144
SURVEY BY G.E. DREIER DATE 6-8-71 WEATHER OVERCAST INST. NO. 96716
NOTES BY SIEMANN TIME 2:30 TO 2:35 ROD NO. 75896
INDEXED G. J. GALLO DATE JUL 29 71 NOTES CHKD BLANCHARD DATE AUG 10 71

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 11-29B TO 11-29-A
B.M. 11-29B													B.M. 11-29 B
										5			GLADSTONE ST. & CITRUS AVE. & INT.
1	191	252	492	5	197 185	12	260	500	501		LOC 194	12	SEE F.B. 3710-69
							191	252				12	T = MALDONADO
B.M. 11-29A							09	248				24	
													B.M. 11-29 A (GLENDORA B-11)
													GLADSTONE ST. & CITRUS AVE. 12' N.
													SEE F.B. 3710-69

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M.-11-29A TO B.M.-11-29B
B.M. 11-29A													B.M.-11-29A
													GLADSTONE ST. & CITRUS AVE. 12' N.
1	196	187	497	5	201 191	10	186	963	487	5	191 181	10	SEE F.B. 3710-69
												10	
	186	963										20	⊼ = MALDONADO
B.M. 11-29B	+9	224											B.M.11-29B
													GLADSTONE ST. & CITRUS AVE. 6 IN
													SEE F.B. 3710-69

WEATHER OVERCAST INST. NO. 9674
TIME 2:37 TO 2:38 ROD NO. 7549
NOTES CHKD BLANCHARD DATE

T2 62°

SURVEY OF L.A.CO. PRECISE LEVEL NET
SURVEY BY DREIER NOTES SIEMANN 6-9-71
INDEXED L. GALLI DATE

FG. 142 JOB NO. 0301.02

JOB NO. 0301.02 SURVEY OF L. A. CO. PRECISE LEVEL NET T=62° F.B. 4115 PG. 143

SURVEY BY G. E. DREIER WEATHER OVERCAST INST. NO. 96716

NOTES BY SIEMANN DATE 6-9-71 TIME 2:35 TO 2:36 ROD NO. 95496

INDEXED [illegible] J. GALLI DATE JUL 29 71 NOTES CHKD. BLANCHARD DATE [illegible] 10 71

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 11-29A TO B.M. 11-30
B.M. 11-29A									B.M. 11-29A (GLENDORA B-11)
									GLADSTONE ST. & CITRUS AVE. 12' N.
1	198	878	499 5	203 193 10	167	753	468 5	172 162 10	SEE F.B. 3710-69
	167	753						10	π = MALDONADO
								20	
B.M. 11-30	+ 31	125							B.M. 11-30 (U.S.C. & G.S. CITRUS RESET) 1943
									GLADSTONE ST. & CITRUS AVE 65' E.
									SEE F.B. 1376-30

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	FROM B.M. 11-30 TO B.M. 11-29A
B.M. 11-30									B.M. 11-30 (U.S.C.&G.S. CITRUS RESET 1962)
									GLADSTONE ST. & CITRUS AVE 65° E.
1	163	747	464	168 158 10	194	824	495 5	199 189 10	SEE F.B 1376-30
					163	747		10	π = MALDONADO
								20	
B.M. 11-29 A					-31	077			B.M. 11-29 A (GLENDORA B-11)
									GLADSTONE ST. & CITRUS AVE 65° E.
									SEE F.B. 1376-30

F.B. 4115 PG. 1484 JOB NO. 0301.02

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 6-9-71

INDEXED B. J. GALIN DATE

WEATHER OVERCAST INST. NO. 96716

TIME 2:36 TO 2:37 ROD NO. 75486

NOTES CHKD BLANCHARD DATE AUG 10 71

T = 62°

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 B.M. 11-30 TO B.M. 17-1A
B.M. 11-30									B.M. 11-30 (U.S.C.&G.S. CITRUS RESET 1943)
1	118	892	419 5	156 80 76	182	345	483 5	221 143 78	GLADSTONE ST. & CITRUS AVE
									SEE F.B. 1376-30
2	113	498	414 5	155 71 84	157	592	458 5	199 115 84	
				160				162	
3	140	462	441 5	190 90 100	296	389	597 5	296 ½ 246 100	
				260				262	π = MALDONADO
4	148	564	449 5	194 102 92	99	859	400 5	142 56 86	
				352				348	
5	143	252	444 5	174 112 62	203	931	504 5	235 171 64	
				414 ✓				412 ✓	
B.M. 17-1A								414	B.M. 17-1A
	664	668 ✓			940	116 ✓		826 ✓	CITRUS AVE. & ARROW HWY. & INT.
					664	668			SEE F.B. 2897-9
					275	448 ✓			

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T = 62°

SURVEY BY GE. DREIER

NOTES BY SIEMANN DATE 6-9-71

INDEXED G. J. GALD DATE JUL 29 71

WEATHER OVERCAST

TIME 2:50 TO 3:10

NOTES CHKD BLANCHARD DATE

INST. NO. 96716

ROD NO. 95 & 96

F.B. 4115 PG. 144

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 17-1A TO B.M. 11-30
B.M. 17-1A	?								B.M. 17-1A
1	206	858	507 5	234 178 56	141	081	442 5	169 113 56	CITRUS AVE. & ARROW HWY.
									SEE F.B. 2897-9
2	117	069	418 5	144 90 54	181	434	482 5	206 156 50	
				110				106	
3	140	503	441 5	166 114 52	98	609	399 5	122 74 48	
				162				154	
4	218	402	519 5	244 192 52	51	168	352 5	80 22 58	$\bar{A}$ = MAL DON ADO
				214				212	
5	122	859	423 5	148 96 52	172	084	473 5	197 147 50	
				266				262	
6	172	111	473 5	198 146 52	155	483	456 5	181 129 52	
				318				314	
7	188	390	489 5	214 162 52	128	272	429 5	152 104 48	
		192		370				362	
8	170	870	471 5	189 151 38	133	562	434 5	156 110 46	
				408 ✓				408 ✓	
B.M. 11-30								408	B.M. 11-30 (U.S.C. & G.S. CITRUS RESET 1943)
	1337	062 ✓			1061	693 ✓		816 ✓	
	1061	693							GLADSTONE AVE. & CITRUS AVE
	+ 275	369 ✓							SEE F.B. 1376-30

T = 94°

WEATHER HOT, HAZY INST. NO. 96716

TIME 1:55 TO 2:25 ROD NO. 9549

NOTES CHKD BLANCHARD DATE 10 77

SURVEY OF L.A.CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 6-14-71

INDEXED [illegible] DATE

JOB NO. 0301.02

FG. 146

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 G.E. Dreier
NOTES BY Maldonado DATE 6-9-71
INDEXED L. J. GALLI DATE JUL 29 '71
WEATHER Overcast
TIME 8:45
NOTES CHKD BLANCHARD DATE AUG 10 '71
INST. NO. 96716
ROD NO. 95 & 96
F.B. 4115 PG. 147

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM 17-1A TO BM 17-2A
BM 17-1A									BM 17-1A (Rd. Dept. Mon.
				166				165	Citrus Ave. & Arrow Hwy. & Int
1	159	473	460 5	152 14	158	349	459 5	151 14	See F.B. 2897-9
				136				213 1	
2	93	582	394 5	50 86	213	492	574 5	168 2 90	
				166 100				189 104	
3	124	113	425 5	82 84	149	950	450 5	109 80	K-Siemann
				153 184				253 184	
4	108	209	409 5	63 90	211	590	512 5	169 84	
				131 274				241 268	
5	85	199	386 5	39 92	193	830	494 5	145 96	
				169 366				207 364	
6	144	420	445 5	119 50	181	159	482 5	155 52	
				416 ✓				416 ✓	
								416	
	714	996 ✓			1108	370 ✓		832 ✓	
					714	996			
BM 17-2A					393	374 ✓			BM 17-2A (COVINA B-1 1957) Citrus Ave. & Covina Blvd. & Int. See F.B. 1381-111

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. 4115 PG. 148 JOB NO. 0301.02
SURVEY OF L.A.Co. Precise Level Net
SURVEY BY Dreier NOTES Maldonado DATE 6-14-71
INDEXED GALL
WEATHER Hazy Sun INST. NO. 96716
TIME 1:15 to 1:50 ROD NO. 9589
NOTES CHKD PANCHARD DATE AUG 10 71
T-94°

STATION	BACKSIGHT Right	Mic.	Left	Stadia	FORESIGHT Right	Mic.	Left	Stadia	DESCRIPTION AND REMARKS
									FROM BM 17-2A TO BM 17-1A
BM 17-2A				233				171	BM 17-2A (L.A.Co. Travers Sta.
1	208 659	509 5		183 50	145 979	446 5		119 52	COVINA B-1 1957)
				206				150	Citrus Ave. & Covina Blvd. & Int
2	174 000	475 5		142 64	119 025	420 5		88 62	See F.B. 1381-111
				238 114				140 114	
3	206 804	507 5		174 64	108 207	409 5		76 64	
				212 178				171 178	
4	181 101	482 5		150 62	141 429	442 5		111 60	
				194 240				180 238	K-Siemann
5	170 500	471 5		146 48	155 533	456 5		130 50	
				198 288				165 288	
6	167 559	468 5		136 62	135 882	436 5		105 60	
				229 350				100 348	
7	202 021	504 5		177 52	72 956	373 5		44 56	
				166 402				204 404	
8	157 056	458 5		148 18	196 721	497 5		188 16	
				420 ✓				420 ✓	
								420	
	1468 700 ✓				1075 732 ✓			840 ✓	
	1075 732								
	392 968 ✓								
BM 17-1A									BM 17-1A (Rd. Dept. Mon
									Citrus Ave. & Arrow Hwy. & Int.
									See F.B. 2897-9

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 T-88

SURVEY BY G.E. Dreier DATE 6-15-71 WEATHER Hazy Sun INST. NO. 96716

NOTES BY Maldonado TIME 8:35 to 9:00 ROD NO. 95896

INDEXED L.I. GALLI DATE JUL 29 71 NOTES CHKD BLANCHARD DATE AUG 10 71

F.B. 4115 PG. 149

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM17-2A TO BM17-1A
BM 17-2A					254						179		BM17-2A (L.A. Co. Trav. Sta. COVINA
1	217	464	518	5	180	74	145	762	446	5	111	68	B-1 1957)
					231						141		Citrus Ave. & Covina Blvd. & Int.
2	195	548	496	5	159	72	105	881	406	5	69	72	See F.B. 1381-111
					258	146					170	140	
3	221	530	522	5	184	74	130	164	431	5	90	80	
						220					180	220	Re-Run
4	164	571	465	5	128	72	144	230	445	5	108	72	
					202	292					143	292	T-Siemann
5	166	712	467	5	130	72	109	388	410	5	75	68	
					235	364					174	360	
6	210	570	511	5	185	50	147	854	448	5	120	54	
						414						414	
												414	
	1176	395					783	279				828	
	783	279											BM17-1A (Rd. Dept. Mon.
BM 17-1A	393	116											Citrus Ave. & Arrow Hwy. & Int.
													See F.B. 2897-9

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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 BM17-1A TO BM17-2A
					168						229		BM 17-1A (Rd. Dept. Mon.
1	143	861	444	5	118	50	204	291	505	5	179	50	Citrus Ave. & Arrow Hwy. & Int.
					141						206		See F.B. 2897-9
2	106	272	407	5	71	70	172	281	473	5	138	68	
					165	120					197	118	
3	130	699	431	5	95	70	163	281	464	5	129	68	
					160	190					244	186	Re-Run
4	122	910	423	5	84	76	205	682	506	5	166	78	
					136	266					239	264	π-Siemann
5	99	019	400	5	62	74	201	252	502	5	163	76	
					174	340					223	340	
6	137	700	438	5	100	74	186	850	487	5	149	74	
						414						414	
												414	
	740	461					1133	637				828	
							740	461					
							-393	176					
BM17-2A													BM17-2A (COVINA B-1 1957)
													Citrus Ave. & Covina Blvd. & Int
													See F.B. 1381-111

T-86

WEATHER Hazy Sun INST. NO. 96716

TIME 9:05 to ROD NO. 95 & 96

NOTES CHKD BLANCHARD DATE 1-8-7

F.B. 4115 PG. 150 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-15-71

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 RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM 17-2A TO BM 17-2B
BM 17-2A				199				286	BM 17-2A (COVINA B-1 1957)
1	150	891	451 5	101 98	242	999	543 5	198 88	Citrus Ave. & Covina Blvd. & Int.
				145				200	See F.B. 1381-111
2	125	123	426 5	105 40	175	885	476 5	150 50	
				138				138	
								138	
	276	014			418	884		276	T-Siemann
					276	014			
					142	870			
BM 17-2B									BM 17-2B (U.S.C.&G.S. K-1149 1961)
									Citrus Ave. & 470 Ft. N. of Cypress St.
									See F.B. 3711-77
				RER	UN				
BM 17-2A				~~214~~				~~108~~	
~~1~~	~~482~~	~~951~~	~~483 5~~	~~150 64~~	~~76~~	~~835~~	~~377 5~~	~~44 64~~	T=
	10:50	, 15 July '71 ,			Clear & Calm			T=80	
BM 17-2A			~~5~~				~~5~~		T MALDONADO
1	168	172	469 5	199 137 62	198	404	499 5	229 167 62	
			~~5~~						
2	81	494	382 5	119 43 76	194	234	495 5	232 156 76	
				138				138	
BM 17-2B								138	
	249	666			392	638		276	
					249	666			
					142	972			

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

SURVEY BY G.E. Dreier

NOTES BY Maldonado DATE 6-9-71

INDEXED C.J. GALLI DATE JUL 29 '71

WEATHER Overcast INST. NO. 96716

TIME 9:15 to 9:25 ROD NO. 95896

NOTES CHKD BLANCHARD DATE AUG 10 '71

F.B. 4115 PG. 151

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 BM 17-2B TO BM 17-2A
BM 17-2B									BM 17-2B (USC&GS K-1149 1961)
				245				141	Citrus Ave. & 470 Ft N. of Cypress St.
1	213	498	514 5	181 64	109	272	410 5	77 64	See F.B. 3711-77
				229				155	
2	199	610	500 5	169 60	125	392	426 5	95 60	
3				166 124				124	
	159	221	460 5	152 14	194	610	495 5	201 187 14	⊼-Siemann
				138				138	
								138	
	572	329			429	274		276	
	429	274							
BM 17-2A	+143	055							BM 17-2A
									Citrus Ave. & Covina Blvd.
				RERUN					See F.B. 1381-111 ℄ Int.
BM 17-2B									
				214				108	
1	182	951	483 5	150 64	76	835	377 5	44 64	9:15, Calm & Clear, T = 82, 7-15-71
				227				190	
2	192	284	493 5	157 70	155	488	456 5	120 70	⊼ MALDONADO
				134				134	
BM 17-2A								134	
	375	235			232	323		268	
	232	323							
	+142	912							

T-88°

WEATHER Hazy Sun INST. NO. 96716

TIME 11:40 to 11:50 ROD NO. 95896

NOTES CHKD BLANCHARD DATE AUG 10 '71

F.B. 4115 PG. 152 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-14-71

INDEXED B. J. GALLI DATE

JOB NO. 0301.02 SURVEY OF L. A. CO. PRECISE LEVEL NET T-60° F.B. 4115 PG. 153

SURVEY BY G. E. Dreier WEATHER Overcast INST. NO. 96716

NOTES BY Maldonado DATE 6-9-71 TIME 9:25 to 9:30 ROD NO. 95 & 96

INDEXED G. J. GALLI DATE JUL 29 '71 NOTES CHKD BLANCHARD DATE [illegible] '71

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM BM 17-2B TO BM 17-3B
BM 17-2B									BM 17-2B (U.S.C.&G.S. K-1149 1961)
				215				119	Citrus Ave. & 470 Ft. No. of
1	178	132	479 5	141 74	82	740	383 5	45 74	Cypress St.
	82	740						74	See F.B. 3711-77
	+95	392 V						148 V	
									K-Siemann
									BM 17-3B* (L.A.Co.F/Cont. Dist
									RESET 1962)
BM 17-3A									Citrus Ave. & Cypress Ave. & Int. St.
									See F.B. 1381-112

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	FROM BM17-3B TO BM17-2B
BM 17-3B									BM 17-3B (L.A.Co.Fl.Cont.Dist. RESET
				148				245	Citrus Ave. & Sypress St 1962)
1	113	640	414 5	78 70	209	063	510 5	173 72	See F.B. 1381-112 & Int.
					113	640		70	
					~~95~~	~~423~~		142	K-Siemann
BM 17-2B									BM 17-2B (U.S.C.&G.S. K-1149 1961)
									Citrus Ave & 470 Ft. No. of Cypress St.
									See FB 3711-77

T-86°

WEATHER Hazy Sun INST. NO. 96716

TIME 11:35 to ROD NO. 95 & 96

NOTES CHKD BLANCHARD DATE AUG 10 71

F.B. 4115 PG. 154 JOB NO. 0301.02

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-14-71

INDEXED L. J. GALLI 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.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY Malamud G.E. Dreier DATE 6-16-71 WEATHER Overcast INST. NO. 96716
NOTES BY L. GALLI TIME 9:30 to 9:35 ROD NO. 95496
INDEXED DATE JUL 29 71 NOTES CHKD BLANCHARD DATE AUG 10 71
T-60°
F.B. 4115 PG. 155

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 17-3B TO BM 17-3A
BM 17-3B													BM 17-3B (LA Co. Fl. Cont. Dist.
					181						184		RESET 1962.)
1	172	321	473	5	163	18	175	570	476	5	166	18	Citrus Ave. & Cypress St. & Int.
							172	321				18	See F.B. 1381-112
							3249					36	
													T-Siemann
BM 17-3A													BM 17-3A
													Citrus Ave. & Cypress St. S.E. Cor
													see F.B. 1390-141
		RERUN		6-10-71			9.35	T=60°	OVERCAST				
BM 17-3B													
1	167	851	468	5	180 154	26	171	452	472	5	185 157	28	
							167	851				26	
							3301					54	
BM 17-3A													

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 4115 PG. 156 JOB NO. 0301.07

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-14-71

INDEXED B. J. BALL DATE

WEATHER Hazy Sun INST. NO. 96716

TIME 11:30 to 11:35 ROD NO. 95896

NOTES CHKD BLANCHARD DATE MAR 1 0

T-86°

STATION	BACKSIGHT Right	Mic.	Left.	Stadia	FORESIGHT Right	Mic.	Left.	Stadia	DESCRIPTION AND REMARKS
									FROM BM 17-3~~A~~B TO BM 17-3B
BM 17-3 ~~B~~A									BM 17-3~~A~~B (L.A.Co. Fl. Cont. Dist.
				184				181	Citrus Ave. & Cypress St. S.E.Cor.
1	175 921	476 5		166 18	172 572	473 5		163 18	see F.B. 1390-141
	172 572							18	
	+ 3349							36	T. Siemann
BM 17-3B									BM 17-3B (L.A.Co. Fl. Cont. Dist. RESET 1962)
	RERUN								Citrus Ave. & Cypress St. & Int
									See F.B 1381-112
1	172 620	473 5		180 164 16	169 251	470 5		177 161 16	
	169 251							16	
	+ 3369							32	

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
									FROM BM 17-3A TO BM 17-4
BM 17-3A				182				299	BM 17-3A(
1	134	051	435 5	86 96	249	311	550 5	199 100	Citrus Ave. & Cypress Ave. S.E. Cor.
				168				273	See F.B. 1390-141
2	124	718	425 5	80 88	229	685	530 5	185 88	
				144 184				220 188	
3	99	114	400 5	54 90	176	688	477 5	132 88	
				156 274				287 276	K-Siemann
4	106	882	407 5	56 100	238	562	539 5	189 98	
				142 374				260 374	
5	103	699	404 5	64 78	222	059	523 5	184 76	
				186 452		766	301	181 450	
6	168	555	469 5	150 36	000	~~000~~	~~000~~ 5	0½ 36	
	737	019		488	1117	071		486	
					737	019		488	
BM 17-4					380	052		974	BM 17-4 (U.S.C.&G.S. 5-35 1923)
									Citrus Ave. & College St. @ Gen.
									Tel. Co. Bldg. #124
									See F.B. 1381-113

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

SURVEY BY G.E. Dreier WEATHER Overcast INST. NO. 96716

NOTES BY Maldonado DATE 6-10-71 TIME 9:40 to 10:15 ROD NO. 95 & 96

INDEXED G.J. GALLI DATE JUL 29 71 NOTES CHKD BLANCHARD DATE AUG 10 71

F.B. 4115 PG. 157

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 4115 PG. 158 JOB NO. 0301.02

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-14-71

INDEXED DATE

WEATHER Hazy Sun INST. NO. 96576

TIME 10:30 to 11:30 ROD NO. 93 & 81

NOTES CHKD DATE

T-84°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM17-~~3A~~ 4 TO BM17-~~3A~~ 4
BM17-~~3A~~ 4									BM17-~~3A~~ 4 College @ Gen. Tel.
				3				148	Citrus Ave. & ~~Cypress~~ St. ~~S.E. Cor.~~
1	3 520	304 5		0½ 6	145 540	446 5		142 6	See F.B. 1390-141 Bldg. #124
				163				111	
2	138 930	439 5		113 50	86 739	387 5		61 50	
				245 56				137 56	
3	213 643	514 5		181 64	105 173	406 5		73 64	T-Siemann
				224 120				161 120	
4	192 342	493 5		160 64	130 800	431 5		99 62	
				200 184				168 187	
5	166 820	467 5		132 68	135 832	436 5		102 66	
				274 252				153 248	
6	239 654	540 5		204 70	118 950	419 5		83 70	
				242 322				154 318	
7	207 269	508 5		172 70	120 830	421 5		86 68	
				218 392				155 386	
8	~~176 115~~	~~477 5~~		~~134 84~~	~~111 140~~	~~412 5~~		~~67 88~~	
BM17-3A				185 476				188 474	BM17-3A
9	183 251	484 5		181 4	186 638	487 5		184 4	Citrus Ave. & Cypress St. S.E. Cor.
				480 ✓				478	See F.B. 1390-141
								480	
	1521 544 ✓				1141 642 ✓			958 ✓	
	1141 642								
	+ 379 902 ✓								

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 T=94°
SURVEY BY G.E. DREIER
NOTES BY G.E. DREIER DATE 6-14-71 WEATHER SMOG INST. NO. 96716
INDEXED [illegible] DATE JUL 29 71 TIME ROD NO. 95896
NOTES CHKD BLANCHARD DATE [illegible]
F.B. 4115 PG. 159

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 17-4 TO B.M. 17-5
B.M. 17-4									B.M. 17-4 (U.S.C. & G.S. S-35 1923)
1	1	079	TAPE	4 / ½ 1 / 6	143	310	444 5	146 / 140 / 6	COLLEGE ST., E. OF CITRUS (TEL. BLDG)
									SEE F.B. 1381-113
2	110	377	411 5	134 / 86 / 48	198	722	499 5	219 / 177 / 42	
				54				48	
3	127	020	428 5	137 / 117 / 20	140	450	441 5	153 / 127 / 26	✱ MIYANIRA
				74				74	
4	146	543	447 5	149 / 143 / 6	24	426	TAPE	27 / 21 / 6	
				80				80	
B.M. 17-5								80	B.M. 17-5 (U.S.C. & G.S. T35 1923)
	385	019			506	908		160	CITRUS AVE., N. OF BADDILLO ST (HO. # 115)
					385	019			SEE F.B. 1381-113
					-121	889			
			RERUN 6-14-71 3:20 T.=94° SMOGGY						
B.M. 17-4									
1	0	702	TAPE	3 / ½ 0 / 6	139	420	440 5	142 / 136 / 6	
2	101	858	402 5	124 / 78 / 46	198	000	499 5	222 / 174 / 48	
				52				54	
3	156	000	457 5	164 / 148 / 16	42	698	TAPE	49 / 35 / 14	
				68				68	
B.M. 17-5								68	
	258	560			380	118		136	
					258	560			
					-121	558			

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 4115 PG. 160 JOB NO. 0301.02

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES DREIER 6-10-71

INDEXED G.J. BALL DATE

T = 60°

WEATHER OVERCAST INST. NO. 86716

TIME 10:45 TO 11:05 ROD NO. 95 & 96

NOTES CHKD BLANCHARD DATE

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 17-5 TO B.M. 17-4
B.M. 17-5									B.M. 17-5 (U.S.C.&G.S. T 35 1923)
1	8	850	TAPE	16 0 16	121	000	422 5	128 114 14	CITRUS AVE., N. OF BADILLO ST. (HO. #115)
									SEE F.B. 1381-113
2	162	177	463 5	178 146 32	113	084	444 5	128 98 30	
				48				44	
3	157	197	458 5	170 144 26	94	895	395 5	109 79 30	
				74				74	
4	123	932	424 5	126 120 6	1	762	TAPE	4 1 6	
				80 ✓				80 ✓	
B.M. 17-4								80	B.M. 17-4 (U.S.C.&G.S. 5-35 1923)
	452	156 ✓			330	741 ✓		160	#124 COLLEGE ST., E. OF CITRUS
	330	741							SEE F.B. 1381-113
	+121	415 ✓							
			RERUN	6-14-71	10:30	TO 10:45		HAZE	T = 80°
B.M. 17-5									
1	29	742	TAPE	31 27 4	147	278	448 5	149 145 4	
2	176	660	477 5	209 143 66	8	852	382 5	115 47 68	
				70	-229	130		72	
3	143	220	444 5	146 140 6	+ 0	919	TAPE	4 1 6	TAPE DOWNWARD FROM DISC
				76 ✓				78 ✓	
B.M. 17-4								76	
	+349	622			-228	211 ✓		154 ✓	
	-228	211							
	+121	411							

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=80°
SURVEY BY G.E. DREIER WEATHER SMOGY INST. NO 96716
NOTES BY G.E. DREIER DATE 6-15-71 TIME 8:15 TO 8:30 ROD NO 95 & 96
INDEXED J. GALLI DATE 2 9 71 NOTES CHKD BLANCHARD DATE
F.B. 4115 PG. 161

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 17-4 TO B.M. 17-5
B.M. 17-4													B.M. 17-4 (U.S.C.&G.S. S 35 1923)
1	0	766	TAPE		18 / 2 0	36	185	850	486	5	202 / 168	34	124 E. COLLEGE ST., E. OF CITRUS AVE
													SEE F.B. 1381-113
2	118	770	419	5	132 / 104	28	166	612	467	5	181 / 151	30	2nd RERUN
						64						64	T. MIYAHIRA
3	112	021	413	5	119 / 105	14	10	551	TAPE ~~30~~		18 / 2 0	16	
						78						80	
B.M. 17-5												78	B.M. 17-5
	231	557					353	013				158	115 CITRUS AVE., N. OF BADILLO ST.
							231	557					SEE F.B. 1381-113
							-121	456					

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 BM 17-5 TO BM 17-7C
BM				23				149	BM 17-5 (U.S.&G.S. T-35 1923)
1	20	403	321 5	17 6	146	535	447 5	143 6	Citrus Ave. & 100± N. of Badillo St.
				168				198	@ Jewelers Bldg. #115
2	150	368	451 5	132 36	181	847	482 5	164 34	see F.B. 1381-113
				287 42				99 40	
3	248	600	549 5	209 78	61	753	362 5	23 76	
				262 120				135 116	X- Miyahira
4	219	389	520 5	176 86	89	375	390 5	43 92	
				138 206				141 208	
5	199	893	500 5	160 78	103	375	470 5	65 76	
				240 284				142 284	
6	203	970	504 5	166 74	105	783	406 5	68 74	
				243 358				175 358	
7	204	468	505 5	165 78	138	450	439 5	101 74	
				436				432	
								436	
	1247	091			827	118		868	
	827	118							
	+419	973							RESET 1957
BM 17-7C									BM 17-7C (COVINA C-2
									Badillo St. & Barranca Ave. & Int.
									see F.B. 1390-144

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T-60°
SURVEY BY G.E. Dreier
NOTES BY Maldonado DATE 6-10-71 WEATHER Overcast INST. NO. 96716
INDEXED C. J. GALLI DATE JUL 29 71 TIME 11:30 to ROD NO. 95896
NOTES CHKD BLANCHARD DATE JUL 10 71
F.B. 4115 PG. 163

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM BM 17-7C TO BM 17-5
BM 17-7C				197				209	BM 17-7C
1	172	485	473 5	147 50	184	660	485 5	159 50	Badillo St. & Barranca Ave.
				143				223	see F.B. 1390-144 & Int.
2	117	185	418 5	91 52	197	164	498 5	171 52	
				149 102				212 102	
3	124	806	425 5	99 50	187	846	488 5	162 50	
				146 152				207 152	
4	121	852	422 5	96 50	182	407	483 5	157 50	π - Miyahira
				144 202				209 202	
5	119	513	420 5	94 50	184	350	485 5	159 50	
				143 252				199 252	
6	121	153	422 5	99 44	178	742	479 5	157 42	
				126 296				237 294	
7	100	968	401 5	74 52	211	397	512 5	185 52	
				112 348				206 346	
8	89	580	390 5	89½ 46	179	030	480 5	156 50	
				148 394				150 396	
9	127	567	428 5	106 42	130	000	431 5	110 40	
				141 436				21 436	
10	139	829	440 5	137 4	19	280	320 5	17 4	
				440				440	
								440	
	1234	938			1754	876		880	
BM 17-5					1234	938			BM 17-5 (U.S. & G.S. T-35 1923)
					~~518~~	938			Citrus Ave. & 100± N. of Badillo
					419				St. @ Jewelers Bldg. #115
									see F.B. 1381-113

T-81

WEATHER Hazy Sun INST. NO. 9671

TIME 9:35 to 10:25 ROD NO. 95-29

NOTES CHKD BLANCHARD DATE

JOB NO. OB01.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-14-71

INDEXED G. J. GALLI DATE

4115 PG. 164

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	FROM BM 17-7C TO BM 17-7B
BM 17-7C									BM 17-7C
				173				207	Badillo St. & Barranca Ave
1	164	126	465 5	155 18	198	072	499 5	189 18	see FB 1390-142 N.E. Cor. & Int.
					164	126		18	
								36	
					33946				Miyahira
BM 17-7B									BM 17-7B
									Badillo St. & Barranca Ave
									see 1390-143 N.E. Cor

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

F.B. 4115 PG. 165

SURVEY BY G.E. Dreier

WEATHER Overcast

INST. NO. 96716

NOTES BY Maldonado DATE 6-10-71 TIME 1:20 to 1:25 ROD NO. 95 & 9

INDEXED J. GALLI DATE JUL 29 71 NOTES CHKD BLANCHARD DATE AUG 10 71

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 17-7B TO BM 17-7C
BM 17-7B													BM 17-7B
					252						217		Badillo St. & Barranca Ave
1	235	563	536	5	218	34	201	633	502	5	185	32	F.B. 1390-143 N.E. Cor.
	201	633										34	
	+34	930										66	π - Miyahira
	3												
BM 17-7C													BM 17-7C
													Badillo St. & Barranca Ave.
													See F.B. 1390-144 ℄ Int.

T-81°

WEATHER Hazy Sun INST. NO. 967

TIME 9:30 to 9:35 ROD NO. 95E9

NOTES CHKD. BLANCHARD DATE 10

JOB NO. 0301.02

SURVEY OF LA Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-14-71

INDEXED L. GALLI DATE

4110 166

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 BM17-7B TO BM17-8B
BM17-7B				213				188	BM17-7B
1	182	353	483 5	151 62	157	765	458 5	126 62	Badillo St. & Barranca Ave.
				232			3	128	F.B. 1390-143 N.E. Cor.
2	187	905	488 5	142 90	82	183	~~4~~83 5	36 92	
				232 152				84 154	
3	197	578	498 5	162 70	49	753	350 5	14 70	π-Miyahira
				271 222				76 224	
4	271	913	572 5	228½ 86	30	115	331 5	30½ 92	
				306 308				64 316	
5	27~~2~~3	303	574 5	240 66	34	812	335 5	4 60	
				246 374				119 376	
6	226	368	527 5	206 40	99	894	400 5	79 40	
				~~434~~ 414 ✓				416 ✓	
								~~414~~	
	1339	420 ✓			454	522 ✓		830 ✓	
	454	522							
	4884	898 ✓							BM17-8B
									Badillo St. & Grand Ave. N.E. Cor.
BM17-8B									See F.B. 2897-10

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

SURVEY BY G.E. Dreier

NOTES BY Maldonado DATE 6-10-71 WEATHER Overcast INST. NO. 9671

INDEXED L.J. GALLI DATE JUL 29 '71 TIME 1:25 to 2:00 ROD NO. 95 & 96

NOTES CHKD BLANCHARD DATE AUG 10 '71

F.B. 4115 PG. 167

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 BM17-8B TO BM17-7B
BM17-8B				108				290	BM17-8B
1	82	735	383 5	56 52	264	517	565 5	238 52	Badillo St. & Grand Ave. N.E.Co.
				76				255	See F.B. 2897-10
2	51	041	352 5	26 50	230	325	531 5	205 50	
				92 102				236 102	
3	67	145	368 5	42 50	211	760	512 5	186 50	
				105 152				231 152	
5	83	051	384 5	61 44	209	050	510 5	187 44	T-Miyahira
				108 196				221 196	
6	80	931	381 5	52 56	193	975	494 5	165 56	
				138 252				201 252	
7	113	395	414 5	88 50	176	450	477 5	151 50	
				153 302				184 302	
8	128	740	429 5	103 50	159	097	460 5	134 50	
				161 352				208 352	SEE PAGE 247 FOR
9	135	443	436 5	109 52	182	229	483 5	156 52	REDUNDANT RERUN
				404				404	
								404	
	742	481			1627	403		808	
					742	481			
					884	922			
BM17-7B									BM17-7B
									Badillo St. & Barranca Ave.
									F.B. 1390-143 N.E. Cor

T-74°

WEATHER Hazy Sun INST. NO. 9671

TIME 8:45 to 9:30 ROD NO. 95-29

NOTES CHKD PLANCHARD DATE

F.B. 4115 PG. 168 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-14-71

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.

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

SURVEY BY G.E.Dr

NOTES BY Maldonado DATE 6-10-71 WEATHER Overcast INST. NO 96716

INDEXED G.J. GALLI DATE JUL 29 '71 TIME 2:00 to ROD NO 95 & 96

NOTES CHKD BLANCHARD DATE 10 '71

F.B. 4115 PG. 169

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM17-8B TO BM17-9
BM17-8B				179				170	BM 17-8B
1	153	647	454 5	127 52	144	352	445 5	118 52	Badillo St & Grand Ave. NE Cor.
				244				140	See F.B. 2897-10
2	210	813	511 5	176 68	105	032	406 5	70 70	
				266 120				267 122	
3	216	878	517 5	166 100	217	750	518 5	167 100	
				220				222	T-Miyahira
								220	
	581	338			467	134		442	
	467	134							
BM 17-9	114	204							BM 17-9
									Grand Ave. & Puente St. & Int.
									See F.B. 1381-116
			RERUN 6-15-71		10:00 TO 10:20 TEMP = 90° SMOGGY				
B.M.17-8B				196				146	
1	161	980	462 5	126 70	112	970	413 5	78 68	
				225				131	
2	191	800	492 5	157 68	97	600	398 5	63 68	T-Miyahira
				222 138				172 136	
3	191	328	492 5	160 62	140	392	441 5	108 64	
				138 200				218 200	
4	127	705	428 5	116 22	207	514	508 5	196 22	
				222				222	
								222	
	672	813			558	476		444	
	558	476							
	114	337							

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 FROM BM17-9 TO BM17-8B
BM 17-9					252						170		BM 17-9
1	234	650	535	5	216	36	151	630	452	5	132	38	Grand Ave. & Puente St. & Int.
					140						210		See F.B. 1381-116
2	113	353	414	5	86	54	184	815	485	5	158	52	
					138	90					199	90	
3	112	544	413	5	86	52	173	673	474	5	147	52	X-Miyahira
					135	142					192	142	
4	110	040	411	5	85	50	167	557	468	5	142	50	
5	140	493	441	5	151 129	192 22	147	833	448	5	158 136	192 22	BM 17-8B
BM 17-8B						214						214	Badillo St. & Grand Ave. NE Co
												214	F.B. 2897-10
	711	080					825	508				428	
							711	080					
							114	428					
			RE-RUN 6-15-71 10:30 to 11:00 T-94' Smoggy										
BM17-9					260						172		
1	245	067	546	5	230	30	157	160	458	5	142	30	
					153						196		
2	125	080	426	5	97	56	170	445	471	5	144	52	X-Miyahira
					141	86					216	82	
3	116	732	417	5	91	50	190	278	491	5	164	52	
	103	691	404	5	128 78	136 50	171	955	472	5	197 145	134 52	
4						186					161	186	
5	131	752	432	5	146 116	30	146	990	447	5	131	30	
	722	~~255~~ 322				216	836	828				256	
B.M.17-8B							722	322				216	
							114	506				432	

T-78°

WEATHER Hazy Sun INST. NO. 9671

TIME 2:45 to 3:05 ROD NO. 96 & 9

NOTES CHKD BLANCHARD DATE

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-11-71

INDEXED

DATE

FG. 170

4115

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 BM 17-9 TO BM 17-10A
BM 17-9					163								BM 17-9
1	132	412	433	5	101	62	201	134	502	5	237 171	60	Grand Ave @ Puente St. &
					104						214		See FB 1381-116
2	71	168	372	5	38	66	214	138	515	5	(½) 180	68	
						128						128	
3	65	651	366	5	100 30	70	254	551	555	5	288 220	68	⊼ Maldonado
						198						196	
4	93	560	394	5	110 (½) 93	34	211	190	512	5	229 193	36	
						232						232	
BM 17-10A												232	BM 17-10A
	362	791					881	013				464	Grand Ave @ Covina Hills Rd
							362	791					See 1381-117
							518	222					

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

SURVEY BY G E Dreier WEATHER Overcast INST. NO. 96716

NOTES BY Miyahira DATE 10 June 1971 TIME 1425 ROD NO. 95491

INDEXED [illegible] DATE JUL 29 '71 NOTES CHKD BLANCHARD DATE [illegible]

F.B. 4115 PG. 171

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 17-10A TO BM 17-9
BM 17-10A													BM 17-10A
1	198	371	499	5	216 ~~216~~ 180	36	79	638	380	5	95 63	32	Covina Hills Rd @ Grand Ave
													See FB 1381-117
2	245	667	546	5	274 216	58	77	782	378	5	109 45	64	
						94						96	
3	180	171	481	5	202 158	44	101	141	402	5	123 79	44	⊼ Maldonado
						138						140	
	~~101~~	~~141~~	~~402~~	~~5~~	~~123 79~~	~~44~~				5			
						138						140	
4	213	790	514	5	244 182	62	66	148	367	5	97 35	62	
						200						202	
5	185	370	486	5	201 169	32	180	620	481	5	196 164	32	
						232 ✓						234 ✓	
BM 17-9												232	BM 17-9
	1023	369 ✓					505	329 ✓				466 ✓	Grand Ave @ Puente St. &
	505	329											See FB 1381-116
	+518	040 ✓											

T = 76

WEATHER Calm Clear INST. NO. 9671

TIME 1425 ROD NO. 95896

NOTES CHKD BLANCHARD DATE

F.B. 4115 PG. 172 JOB NO.

SURVEY OF LA Co Precise Level Net

SURVEY BY GE Dreier NOTES MIYAHIRA 11 JUNE 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 G E Dreier

NOTES BY Miyahira DATE 10 June 1971 WEATHER Overcast

INDEXED [illegible] DATE [illegible] 29 71 TIME 1445 NOTES CHKD BLANCHARD DATE AUG 10 71

INST. NO. 96716 ROD NO. 95496

F.B. 4115 PG. 177

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM17-10A TO BM17-11
BM 17-10A													BM 17-10 A
1	239	202	540	5	268 210	58	195	322	496	5	224 166	58	Grand Ave @ Covina Hills Rd
													See 1381-117
2	26	613	327	5	44 8	36	300	690	601	5	(½) 300 284	32	
						94						90	
3	5	580	306	5	(½) 19 3	28	301	042	602	5	(½) 301 288	26	⊼ Maldonado
						122						116	
4	44	130	345	5	55 33	22	258	059	559	5	273 243	30	
						144						146	
5	16	558	317	5	29 3	26	300	320	601	5	(½) 300 291	18	
						170						164	
6	3.	501	304	5	(½) 10 3	14	291	363	592	5	300 282	18	
						184						182	
7	4	557	305	5	(½) 19 4	30	260	502	561	5	277 243	34	
						214						216	
8	99	794	400	5	117 81	36	180	098	481	5	198 162	36	
						250						252	
9	171	812	472	5	219 123	96	76	093	377	5	125 27	98	
						346						350	
10	189	720	490	5	213 165	48	80	190	381	5	104 56	48	
						394						398	
11	~~232~~	~~672~~	~~533~~	~~5~~	~~272~~ ~~192~~	~~78~~ ~~80~~	~~241~~	~~642~~	~~542~~	~~5~~	~~280~~ ~~202~~	~~80~~ ~~78~~	
	~~166~~ 241	~~42~~ 642	542	5	280 202	474 2	~~523~~ ~~232~~	~~63~~ ~~672~~	533	5	272 192	478	
BM 17-11												472	BM 17-11
	~~1034~~	~~139~~					~~2485~~	~~321~~	2476.351			950	Covina Hills Rd @ Chapparo Rd
	1043	109					~~1034~~	~~139~~	1043.109				See FB 1381-118
							~~1451~~	~~182~~	1433.242				

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Do not extend notes this side of this line.

T-72

WEATHER Overcast INST. NO. 9671
TIME 1325 ROD NO. 95 [illegible]
NOTES CHKD BLANCHARD DATE

SURVEY OF L A Co Precise Level Net JOB NO. 0301.02
SURVEY BY OF Dreier NOTES Miyahira 11 June '71
INDEXED [illegible] DATE

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 17-11 TO BM 17-10A
BM 17-11													BM 17-11
1	186	642	481	5	207 153	54	57	328	358	5	84 30	54	Covina Hills Rd @ Chaparro
													See FB 1381-118
2	38	694	339	5	61 15	46	216	340	517	5	240 192	48	
						100						102	
3	81	318	382	5	116 46	70	210	298	511	5	245 175	70	⊼ Maldonado
						170						172	
4	114	698	415	5	148 80	68	136	~~880~~ 741	437	5	170 102	68	
						238						240	
5	197	517	498	5	216 178	38	54	461	355	5	73 35	38	
						276						278	
6	269	711	570	5	281 257	24	5	728	306	5	(½) 17 6	24	
						300						302	
7	299	065	600	5	(½) 299 291	16	4	743	305	5	(½) 12 4	16	
						316						318	
8	257	157	558	5	264 250	14	55	552	356	5	65 45	20	
						330						338	
9	284	643	585	5	301 267	34	60	794	361	5	76 44	32	
						364						370	
10	296	850	597	5	304 288	16	61	308	362	5	70 52	18	
						380						388	
11	278	712	579	5	291 265	26	51	857	352	5	62 40	22	
						406						410	
12	295	831	596	5	(½) 295 274	42	143	913	444	5	162 124	38	
						448						448	
13	85	058	386	5	100 70	30	187	737	488	5	205 171	32	
	2679	896				478	1246	800				480	BM 17-10A
BM 17-10A	1246	800										478	Covina Hills Rd @ Grand Av
	+1433	096										958	See FB 1381-117

76P526B CE # 308 8/68

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

SURVEY BY GE Dreier

NOTES BY Miyahira DATE 11 June 1971 TIME 0850 WEATHER Overcast INST. NO. 96716

INDEXED B. J. GALLI DATE JUL 29 71 NOTES CHKD BLANCHARD DATE

F.B. 4115 PG. 175

To 66

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 17-11 TO BM 17-12
BM 17-11													BM 17-11
1	252	874	553	5	266 238	28	43	750	344	5	57 29	28	Covina Hills Rd @ Chaparro Rd
													See FB 1381-118
2	257	556	558	5	266 248	18	23	103	324	5	37 14	18	
						46						46	
3	287	918	588	5	296 278	18	4	949	305	5	(½) 13 4	18	⊼ Maldonado
						64						64	
4	300	050	601	5	(½) 300 290	20	62	460	363	5	72 52	20	
						84						84	
5	258	389	359	5	272 244	28	21	192	322	5	34 8	26	3615.503
						112						110	356.264
6	266	520	567	5	278 254	24	16	390	317	5	30 2	28	+ 3259.239
						136						138	
7	301	039	602	5	(½) 301 286	30	6	093	307	5	(½) 21 6	30	
						166						168	
8	268	032	569	5	283 254	29	24	160	325	5	37 10	27	
						195						195	
9	286	917	587	5	300 272	28	4	058	305	5	(½) 16 4	24	
						223						219	
10	299	269	600	5	(½) 299 290	18	9	852	310	5	½ 21 9	24	
						241						243	
11	275	220	576	5	288 262	26	8	402	309	5	(½) 21 8	26	
						267						269	
12	299	769	600	5	(½) 299 288	22	27	990	328	5	(½) 36 18	18	
						289						287	
13	261	950	562	5	273 249	24	103	865	404	5	116 90	26	
	876	66				313	266	93				313	BM 17-12
BM 17-12												313	Covina Hills Rd 0.55 E Chaparro Rd
	3615	503					356	264				626	See FB 1381-119

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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 17-12 TO BM 17-11
BM 17-12	~~139~~	~~36~~			76								BM 17-12
1	60	139	361	5	44	28	269	650	570	5	284 254	30	Covina Hills Rd 0.55 mi N'ly o.
					24								Chaparro Rd
2	13	689	314	5	2	22	299	853	600	5	(½) 299 286	26	See FB 1381-119
						50						56	
3	8	663	309	5	(½) 20 8	24	286	291	587	5	298 279	24	
						74						80	
4	9	767	310	5	(½) 20 9	22	250	904	551	5	258 242	16	
						96						96	
5	32	948	333	5	42 22	20	253	663	554	5	264 242	22	
						116						118	3724.599
6	10	700	311	5	(½) 24 10	28	284	704	585	5	298 270	28	465.560
						144						146	3259.~~044~~
7	28	815	329	5	42 14	28	283	987	584	5	297 269	28	.039 ✓
						172						174	
8	14	307	315	5	24 4	20	285	090	586	5	294 276	18	
						192						192	
9	53	149	354	5	68 38	30	277	814	578	5	292 262	30	
						222						222	
10	38	107	339	5	50 26	24	283	187	584	5	294 272	22	
						246						244	
11	8	409	309	5	16 0	16	277	317	578	5	285 269	16	
						262						260	
12	39	198	340	5	48 30	18	270	462	571	5	279 261	18	
						280						278	
13	29	949	330	5	42 16	26	234	357	535	5	248 220	28	
14	117	720	418	5	123 113	306 8	167	320	468	5	171 163	306 8	BM 17-11
	387	58				314	177	64				314	✓ Covina Hills Rd @ Chaparro Rd
												314	
BM 17-11	465	560 ✓					3724	599 ✓				628	✓ See FB 1381-118

T-68°

WEATHER Overcast INST. NO. 967

TIME 11:25 to ROD NO. 953

NOTES CHKD BLANCHARD DATE

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-11-71

INDEXED G. J. GALLI DATE

F.B. 4115 PG. 179

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 T-66°
SURVEY BY G. E. Dreier
NOTES BY Waldonado DATE 6-11-71 WEATHER Overcast INST. NO. 76716
INDEXED G. J. GALLI DATE JUL 29 '71 TIME 10:10 to 10:40 ROD NO. 95-456
NOTES CHKD BLANCHARD DATE
F.B. 4115 PG. 175

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 17-12 TO BM 17-13
BM 17-12					211						296		BM 17-12
1	195	030	496	5	179	32	296	660	597	5	279	34	Covina Hills Rd. & 0.55 mi. N. of
					16						289		Chapparro Rd. by Ht. 2023
2	8	539	309	5	8 ½	16	280	151	581	5	271	18	See F.B. 1381-119
					63	48					226	52	
3	53	719	354	5	43	20	217	967	518	5	208	18	
					155	68					98	70	
4	129	740	430	5	103	52	73	041	374	5	48	50	K-Siemann
					267	120					30	120	
5	257	310	558	5	247	20	19	829	320	5	8	22	
					305	140					17	142	
6	295	608	596	5	285	20	8	040	309	5	-1	18	
					302	160					31	160	
7	295	362	596	5	288	14	22	941	323	5	13	18	
					287	174					107	178	
8	287	708	588	5	266	42	87	539	388	5	67	40	
					96	195					108	218	
9	74	231	375	5	52	216	87	132	388	5	66	42	
						46						260 ✓	
						260 ✓						260	
												520 ✓	
	1597	247 ✓					1093	300 ✓					
	1093	300											
	503	947 ✓											
BM 17-13													BM 17-13
													Covina Hills Rd. & Holt Ave.
													See F.B. 1381-120

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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 17-13 TO BM 17-12
BM 17-13					160						125		BM 17-13
1	130	381	431	5	100	60	94	718	395	5	63	62	Covina Hills Rd & Holt AVE.
					23						304		see F.B. 1381-120
2	5	821	306	5	5 1/2	36	291	761	592	5	278	26	
					24	96					303	88	
3	15	921	316	5	6	18	294	671	595	5	285	18	
					16	114					283	106	
4	8	820	309	5	0	16	273	301	574	5	263	20	
					48	130					250	186	T-Siemann
5	38	360	339	5	28	20	240	582	541	5	230	20	
					126	150					139	146	
6	99	920	400	5	72	54	113	151	414	5	87	52	
					266	204					15	198	
7	256	700	557	5	246	20	5	489	306	5	5 1/2	20	
					289	224					11 1/2	218	
8	281	410	582	5	273	16	2	599	303	5	2	18	
					209	240					236	236	
9	197	061	498	5	185	24	222	081	523	5	208	28	
						264						264	
												264	
	1034	394					1538	353				528	
							1034	394					
							503	959					
													B.M. 17-12
BM 17-12													Covina Hills Rd. & 0.55 mi. N. of Chaparro Rd. by Ho. #20234
													See F.B. 1381-119

T-68°

WEATHER Overcast INST. NO. 96 71

TIME 10:40 to 11:15 ROD NO. 95 89

NOTES CHKD BLANCHARD DATE

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-11-71

INDEXED G. L. GALD DATE

4115 ... 178

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.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G.E. DREIER
NOTES BY SIEMANN
INDEXED G.J. CALLI
DATE 6-15-71
DATE JUL 29 71
WEATHER HOT, SMOGGY
TIME 1:25 TO 2:20
NOTES CHKD BLANCHARD
DATE
ROD NO. 95-892
INST. NO. 86716
F.B. 4115
PG. 179
T = 100°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 17-13 TO B.M. 17-22
B.M. 17-13													B.M. 17-13
1	50	560	351	5	68 33	35	269	517	570	5	286 251	35	HOLT AVE. & COVINA HILLS RD.
													SEE F.B. 1381-120
2	8	437	309	5	31 ½ 8	46	283	791	584	5	304 261	43	
						81						78	
3	72	615	373	5	89 55	34	242	882	543	5	264 220	44	
						115						122	
4	27	140	328	5	51 3	48	243	857	544	5	264 222	42	
						163						164	
5	13	410	314	5	36 ½ 13	46	244	300	545	5	267 221	46	
						209						210	T = MALDONADO
6	50	744	351	5	74 26	48	212	621	513	5	235 189	46	
						257						256	
7	4	022	305	5	26 ½ 4	44	281	545	582	5	304 258	46	
8	9	919	310	5	33 ½ 9	301 48	253	169	554	5	277 228	302 49	
						349						351	
9	38	203	339	5	62 14	48	233	889	534	5	257 209	48	
10	44	383	345	5	70 18	397 52	218	600	519	5	243 193	399 50	
						449						449	
11	34	532	335	5	62 6	56	246	470	547	5	275 217	58	
12	40	120	341	5	69 11	505 58	269	091	570	5	298 240	507 58	
						563						565	
13	109	659	410	5	129 89	40	236	250	537	5	256 216	40	
						603						605	
												603	B.M. 17-22
B.M. 17-22	503	744					3235	982				1208	HOLT AVE. & MONTE VERDE DR.
							503	744					SEE F.B. 2897-11
							2732	238					

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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 B.M. 17-22 TO B.M. 17-13
B.M. 17-22									B.M. 17-22
1	271	408	572 5	304 239 65	29	202	330 5	64 ½ 29 70	HOLT AVE. & MONTE VERDE DR.
									SEE F.B. 2897-11
2	285	752	586 5	285 ½ 253 64	53	370	354 5	83 22 61	
				129				131	
3	268	040	569 5	300 236 64	48	118	349 5	78 18 60	⊼ J. MALDONADO
				193				191	
4	265	338	566 5	295 235 60	27	940	328 5	56 -2 58	
				253				249	
5	299	463	600 5	299 ½ 268 62	11	970	312 5	39 ½ 11 56	
				315				305	
6	299	389	600 5	299 ½ 279 40	19	501	320 5	41 -1 42	
				355				347	
7	244	942	545 5	275 213 62	5	769	306 5	38 ½ 5 66	
				417				413	
8	290	858	591 5	290 ½ 262 56	3	209	304 5	31 ½ 3 56	
				473				469	
9	255	934	556 5	282 228 54	7	192	308 5	36 ½ 7 58	
				527				527	
10	301	354	602 5	301 ½ 274 54	29	487	330 5	57 ½ 29 56	
				581				583	
11	300	738	601 5	300 ½ 290 20	115	409	416 5	124 106 18	
				601				601	
~~12~~								601	
	3083	216			351	167		1202	
B.M. 17-13	351	167							B.M. 17-13
	+2732	049							COVINA HILLS RD. & HOLT AVE
									SEE F.B. 1381-120

T = 82

WEATHER SMOGGY INST. NO. 96716

TIME 9:15 TO 11:20 ROD NO. 95-09

NOTES CHKD BLANCHARD DATE

JOB NO. 0301-02

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES G.E. DREIER 6-21-71

INDEXED [illegible] DATE

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.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T= 98°

SURVEY BY G.E. DREIER WEATHER HOT, SMOGGY INST. NO. 96716

NOTES BY SIEMANN DATE 6-15-71 TIME 2:25 TO 2:50 ROD NO. 95896

INDEXED C. J. CALLI DATE JUL 29 71 NOTES CHKD BLANCHARD DATE AUG 10 71

F.B. 4115 PG. 181

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 17-22 TO B.M. 17-23
M.17-22	3						3						B.M. 17-22
1	81	863	382	5	105 57	48	199	452	500	5	223 175	48	HOLT AVE & MONTE VERDE DRIVE.
													SEE F.B. 2897-11
2	58	352	359	5	86 30	56	249	628	550	5	277 221	56	
						104						104	
3	33	792	334	5	61 5	56	249	419	550	5	276 222	54	
						160						158	
4	37	417	338	5	66 8	58	241	582	542	5	270 212	58	π = MALDONADO
						218						216	
5	49	351	350	5	78 20	58	228	292	529	5	256 200	56	
						276						272	
6	97	706	398	5	124 70	54	240	115	541	5	269 211	58	
						330						330	
M.17-23												330	B.M. 17-23
	358	481					1408	488				660	HOLT AVE. & GRAND AVE.
							358	481					SEE F.B. 2897-12
							1050	007					

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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 17-23 TO B.M. 17-22
B.M. 17-23									B.M. 17-23
1	247	925	548 5	278 216 62	47	208	348 5	81 13 68	HOLT AVE. & GRAND AVE.
									SEE F.B. 2897-12
2	233	135	534 5	264 202 62	70	252	371 5	98 42 56	
				124				124	
3	255	469	556 5	287 223 64	41	841	342 5	72 10 62	
				188				186	T J. MALDONADO
4	269	661	568 5	298 236 62	38	291	339 5	67 9 58	
				250				244	
5	225	501	526 5	247 203 44	81	362	382 5	106 56 50	
				294				294	
6	189	358	490 5	208 170 38	90	100	391 5	109 71 38	
				332				332	
B.M. 17-22								332	B.M. 17-22
	1419	049			369	054		664	HOLT AVE & MONTE VERDE DR
	369	054							SEE F.B. 2897-11
	+1049	995							

T=80

WEATHER SMOGGY INST. NO. 9671

TIME 8:40 TO 9:15 ROD NO. 9583

NOTES CHKD BLANCHARD DATE

SURVEY OF L.A. CO. PRE CISE LEVEL NET

SURVEY BY DREIER NOTES G.E. DREIER 6-21-71

INDEXED [illegible] DATE

4115 FG. 182 JOB NO. 0301.02

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 G.E. D REIER
NOTES BY SIEMANN
INDEXED J. BALLI
DATE 6-15-71
DATE JUL 29 71
TIME 2:50 TO 3:35
WEATHER HOT SMOGGY
NOTES CHKD BLANCHARD
DATE
INST. NO. 96716
ROD NO. 95896
F.B. 4115
PG. 183
T = 98°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 17-23 TO B.M. 17-24A
B.M. 17-23													B.M. 17-23
1	243	217	544	5	272 214	58	84	481	385	5	113 55	58	HOLT AVE. & GRAND AVE.
													SEE F.B. 2897-12
2	246	079	547	5	277 215	62	47	523	348	5	77 17	60	
						120						118	
3	244	749	545	5	270 218	52	48	846	349	5	73 23	50	
						172						168	
4	300	750	601	5	300 270	60	19	903	320	5	148 19	56	
						232						224	
5	259	319	560	5	289 229	60	31	320	332	5	60 2	58	π = MALDONADO
						292						282	
6	272	407	573	5	304 240	64	11	837	312	5	142 11	62	
						356						344	
7	251	367	552	5	272 230	42	54	048	355	5	82 26	56	
						398						400	
8	291	831	592	5	291 263	56	23	798	324	5	46 0	46	
						454						446	
9	178	239	479	5	183 173	10	68	422	369	5	78 58	20	
						464						466	
												464	B.M. 17-24A
B.M. 17-24													
	2287	958					390	178				930	GRAND AVE. & CORTEZ ST.
	390	178											SEE F.B. 2897-13 3711-42 111
	+1897	780											

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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 B.M. 17-24A TO B.M. 17-23
B.M. 17-24A													B.M. 17-24A
1	92	942	393	5	118 66	52	283	949	584	5	283 256	54	GRAND AVE. & CORTEZ ST.
													SEE F.B. ~~2897-13~~ 3711-11
2	25	648	326	5	52 -2	54	271	640	572	5	297 245	52	
						106						106	
3	12	968	313	5	36 12	48	282	152	583	5	306 258	48	
						154						154	
4	35	573	336	5	62 8	54	255	773	556	5	282 228	54	
						208						208	π = MALDONADO
5	49	356	350	5	77 21	56	264	721	565	5	291 237	54	
						264						262	
6	35	181	336	5	64 6	58	268	043	569	5	296 240	56	
						322						318	
7	22	659	323	5	52 22	60	239	217	540	5	268 210	58	
						382						376	
8	52	941	353	5	76 28	48	254	484	555	5	281 227	54	
						430						430	
9	110	989	411		132 88	48	215	819	516	5	237 193	44	
						478						474	
B.M. 17-23												478	B.M. 17-23
	438	257					2335	798				952	GRAND AVE. & HOLT AVE.
							438	257					SEE F.B. 2897-12
							-1897	541					

T-88

WEATHER HOT, WINDY INST. NO. 9676

TIME 2:40 TO 3:15 ROD NO. 9589

NOTES CHKD BLANCHARD DATE AUG 1

FIG. 4115 PG. 184 JOB NO. 0301.02

SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY DREIER NOTES SIEMANN 6-18-71

INDEXED [illegible] GALLI DATE

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	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 17-24A TO BM 17-25
BM 17-24A					287						46		BM 17-24A
1	269	321	570	5	251	36	28	050	329	5	10	36	Grand Ave. & Cortez St.
					212						126		See F.B. 3711-~~112~~ 111
2	201	899	502	5	190	22	115	700	416	5	104	22	
						58						58	
3	245	943	546	5	252 238	14	26	912	327	5	34 18	16	π-Siemann
						72						74	
4	300	929	601	5	300 1/2 289 1/2	22	27	191	328	5	37 17	20	
						94						94	
5	298	898	599	5	298 1/2 286 1/2	24	20	129	321	5	31 1/2 20	22	
						118						116	
6	297	791	598	5	305 289	16	76	701	377	5	85 67	18	
						134						134	
7	301	027	602	5	301 1/2 292 1/2	18	13	730	314	5	24 2	22	
						152						156	
8	296	805	597	5	305 287	18	62	349	363	5	72 52	20	
						170						176	
9	300	488	601	5	300 1/2 292 1/2	16	58	371	359	5	66 50	16	
						186						192	
10	295	~~30~~ 639	596	5	306 284	22	56	444	357	5	67 45	22	
						208						214	
11	164	169	465	5	179 149	30	167	042	468	5	183 161	32	
						238						246	
12	132	110	433	5	161 103	58	91	776	392	5	119 63	56	
						296						302	
13	183	700	484	5	187 179	8	185	911	486		187 183	4	
						304						306	
												304	BM 17-25
BM 17-25	3288	719					930	306				610	Cameron Ave. & Limecrest Dr.
	930	306											See F.B. 2897-14
	+2358	413											

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

SURVEY BY G.E. Dreier

NOTES BY Maldonado DATE 6-16-71

INDEXED C. J. GALLI DATE JUL 29 71

WEATHER Hazy Sun INST. NO. 96716

TIME 10:05 to 11:00 ROD NO. 95896

NOTES CHKD BLANCHARD DATE

T-84°

F.B. 4115 PG. 185

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 BM 17-25 TO BM 17-24A
BM 17-25	46 93				126		5				178		BM 17-25
1	~~92~~	332	394	5	60	66	146	482	447	5	114	64	Camaron Ave. & Limecrest Dr
					221						224		see F.B. 2897-14
2	206	715	507	5	191	30	207	581	508	5	190	34	
					19	96					280	98	
3	10	490	311	5	1	18	269	552	570	5	258	22	
					26	114					286	120	T- Siemann
4	15	069	316	5	4	22	277	031	578	5	268	18	
					28	136					283	138	
5	18	230	319	5	8	20	274	559	575	5	265	18	
					30	156					300	156	
6	20	560	321	5	10	20	291	344	592	5	282	18	
					42	176					284	174	
7	32	239	333	5	22	20	274	931	575	5	264	20	
					22	196					300	194	
8	12	991	313	5	2	20	290	028	591	5	280	20	
					42	216					306	214	
9	32	841	333	5	22	20	297	140	598	5	288	18	
					20	236					253	232	
10	9	743	310	5	9 ½	22	242	638	543	5	231	22	
~~11~~					81	258					300	254	
11	63	190	364	5	45	36	281	957	582	5	262	38	
					208	294					230	292	
12	201	748	502	5	194	14	222	080	523	5	214	16	
						308						308	
	717	148										308	
							2075	323				616	BM 17-24A
							717	148					Grand Ave. & Cortez St.
BM 17-24A							~~158~~	175					see F.B. 3711-~~111~~ 111
							-2358						

T- 92°

WEATHER Hazy Sun INST. NO. 9671

TIME 1:55 to 2:20 ROD NO. 95-69

NOTES CHKD BLANCHARD DATE

F.B. 4115 PG. 186 JOB NO. 0301.02

SURVEY OF LACo Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-18-71

INDEXED G. J. 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 G E Dreier
NOTES BY Maldonado DATE 6-16-71
INDEXED [illegible] DATE [illegible] 29 71
WEATHER Hazy Sun INST. NO. 96716
TIME 11:00 to 11:25 ROD NO. 95496
NOTES CHKD BLANCHARD DATE [illegible]
F.B. 4115 PG. 187

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
~~BM 17-~~													FROM BM 17-25 TO BM 17-26A
BM 17-25	423	22			306		44	32			29		BM 17-25
1	292	031	593	5	278	28	14	841	315	5	-1	30	~~G~~ Cameron Ave @ Limeset Dr
					296								See FB 2897-14
2	296	770	597	5	(½) 283	26	7	956	308	5	(½) 20 7	26	
					266	54						56	
3	256	829	557	5	246	20	35	529	336 ~~336~~	5	45 25	20	⊼ Siemann
					295	74					49	76	
4	284	201	585	5	273	22	38	945	339	5	27	22	
					192	96					9	98	
5	180	401	481	5	168	24	256	641	557	5	264 243	26	
						120					3	124	
6	34	685	335	5	44 24	20	253	135	554	5	264 242	22	
					135	140					96	146	
7	112	129	413	5	89	46	76	582	377	5	56	40	
						186						186	
BM 17-26A												186	BM 17-26A
	1457	046					683	629				372	Grand Ave & Cameron Ave
	683	629											See FB 2897-15
	+773	417											

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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 25 FROM BM 17-26A TO BM 17-~~26A~~
BM 17-26A	473				85		1222				114		BM 17-26 A Grand Ave
1	62	800	363	5	39	46	91	411	392	5	68	46	Cameron Ave. @ ~~Lime Crest Dr~~
~~1~~					305						52		See F B 2897-~~14~~ 15
2	293	281	594	5	281	24	40	077	341	5	28	24	
~~3~~					204	70					301	70	
3	188	712	489	5	172	32	285	550	586	5	269	32	
		779			30	102					303	102	π Siemann
4	18	~~790~~	319	5	6	24	291	086	592	5	279	24	
					22	126					300	126	
5	9	350	310	5	9 ½	26	300	802	601	5	286½	28	
					50	152					267	154	
6	38	099	339	5	26	24	256	120	557	5	245	22	
					112	176					231	176	
7	105	672	406	5	98	14	224	226	525	5	217	14	
						190 ✓						190 ✓	
												190	
	716	693 ✓					1489	272 ✓				380 ✓	BM 17-25
BM 17-25							716	693					Camaron Ave. & Limecrest Ave
							772	579 ✓					See F.B. 2897-14

T-88

WEATHER Hazy Sun INST. NO. 96 71

TIME 1:25 to 1:45 ROD NO. 95 [illegible]

NOTES CHKD BLANCHARD DATE [illegible]

F.B. 4115 PG. 188 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-18-71

INDEXED [illegible] DATE

76P526B CE # 308 8/68

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

SURVEY BY G.E. Dreier

NOTES BY Maldonado DATE 6-16-71

INDEXED G.J. GALLI DATE JUL 29 71

WEATHER Hazy Sun INST. NO 96716

TIME 11:30 to ROD NO 95896

NOTES CHKD BLANCHARD DATE AUG 10 71

T-84°

F.B. 4115 PG. 189

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 17-26A TO 17-27
BM 17-26A	78	75			300						19 1/2		BM 17-26A
1	284	940	585	5	268	32	4	606	305	5	4 1/2	30	Grand Ave. & Camaron Ave.
					304						28		See F.B.
2	293	570	594	5	282	22	17	903	318	5	6	22	
						54						52	
					307						17 1/2		
3	296	968	597	5	285 1/2	22	6	502	307	5	6 1/2	22	
						76						74	
					304						17 1/2		
4	296	450	597	5	288	16	8	495	309	5	8 1/2	18	π-Miyahira
					277	92						92	
5	269	488	570	5	261	16	15	042	316	5	23 7	16	
					282	108					39	108	
6	274	402	575	5	266	16	30	732	331	5	21	18	
					304	124					13	126	
7	296	292	597	5	288	16	4	148	305	5	4 1/2	18	
					293	140					14	144	
8	285	453	586	5	277	16	5	120	306	5	5 1/2	18	
					292	156					60	162	
9	283	600	584	5	274	18	54	628	355	5	48	12	
					274	174					18	174	
10	266	395	567	5	258	16	9	435	310	5	0	18	
					287	190					26	192	
11	278	818	579	5	269	18	17	590	318	5	8	18	
					290	208					19	210	
12	281	177	582	5	272	18	10	250	311	5	1	18	
					296	226					18	228	
13	286	590	587	5	276	20	9	870	310	5	0	18	
						246						246	
					294						17 1/2		
14	285	717	586	5	276	18	8	220	309	5	8 1/2	18	
						264						264	
	3979	860					202	548					

Cont

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STATION	BACKSIGHT Cont. RIGHT	MIC.	LEFT.		STADIA		FORESIGHT RIGHT	MIC.	LEFT.		STADIA		DESCRIPTION AND REMARKS FROM BM17-~~26A~~ 27 TO BM 17-~~26A~~ 27
~~BM17-27~~ X	3~~8~~9 79	860				264	202	541				264	~~BM17-27~~ ~~Grand Ave. & 0.53 mi. S.E'ly. of Camaron Ave. @ Bridge #574~~
15	300	675	601	5	300 1/2 290	20	10	510	311	5	20 0	20	
16	286	540	587	5	294 278	284 16	10	158	311	5	18 2	284 16	
17	293	055	594	5	303 283	300 20	10	158	311	5	20 0	300 20	
18	282	426	583	5	301 263	320 38	45	510	346	5	64 45 1/2	320 38	
19	289	462	590	5	303 2~~4~~5	358 ~~5~~8	5 ~~9~~	500	306	5	16 1/2 5	358 22	
20	277	595	578	5	283 271	3~~8~~6 12	23	680	324	5	32 14	380 18	
21	232	450	533	5	238 226	398 12	190	880	491	5	196 184	398 12	
	2 5 4 4					410	1 1 3	3 1				410	
												410	
	5~~8~~42	063					498	937				820	BM 17-27
BM 17-~~26A~~ 27	498	937											Grand Ave. & 0.53 mi. S.E'ly. of
	+ 5~~3~~43	126											Camaron Ave. @ Bridge #574
	4												See F.B.

1-84

WEATHER Hazy Sun INST. NO. 9671

TIME 11:30 to 2:45 ROD NO. 95 E&

NOTES CHKD BLANCHARD DATE

JOB NO. 0301.02

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-16-71

INDEXED [illegible] DATE

4115 190

76P526B CE # 308 8/68

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T-85"
SURVEY BY G.E. Dreier
NOTES BY Maldonado DATE 6-17-71 WEATHER Sunny & Clear
INDEXED G. J. GARLI DATE M 2 9 71 NOTES CHKD DATE
TIME 1:15 to
INST. NO. 96716
ROD NO. 95-E96
F.B. 4115 PG. 191

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 17-27 TO BM 17-26A
BM 17-27	77	42			239		97	73			38		BM 17-27
1	234	900	535	5	229	10	33	923	334	5	28	10	Grand Ave & 0.53 mi. S.E'ly of
					297						300		Camaron Ave. @ Bridge #574
2	283	362	584	5	269	28	287	675	588	5	274	26	See F.B. 2897-16
					16	38					299	36	
3	7	734	308	5	7 ½	18	299	883	600	5	290½	18	
					22	56					285	54	
4	13	350	314	5	4	18	276	970	577	5	267	18	T-Miyahira
					14	74					296	72	
5	5	620	306	5	5 ½	18	287	941	588	5	278	18	
		365			15 ½	92					296	90	
6	6	~~390~~	307	5	6 ½	18	287	160	588	5	278	18	
					22	110					306	108	
7	13	542	314	5	4	18	297	783	598	5	288	18	
					17	128					301	126	
8	8	270	309	5	8 ½	18	292	052	593	5	283	18	
					13	146				5	305	144	
9	4	205	305	5	4 ½	18	296	277	597	5	287	18	
					22	164					293	162	
10	13	520	314	5	4	18	284	460	585	5	275	18	
					14 ½	182					302	180	
11	5	717	306	5	5 ½	18	293	325	594	5	284	18	
					15 ½	200					290	198	
12	6	360	307	5	6 ½	18	281	740	582	5	272	18	
					12	218					307	216	
13	3	663	304	5	3 ½	18	298	355	599	5	289	18	
					23	236					296	234	
14	14	930	315	5	5	18	287	405	588	5	278	18	
	621	488				254	4 3805	949				252	

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Do not extend notes this side of this line.

STATION	BACKSIGHT Cont. RIGHT	MIC.	LEFT.		STADIA		FORESIGHT RIGHT	MIC.	LEFT.		STADIA		DESCRIPTION AND REMARKS FROM BM 17-27 TO BM 17-26A
	621	488				254	3804	949				252	
15	3	073	304	5	12 1/2 3	18	280	850	581	5	289 271	18	
16	12	153	313	5	21 3	272 18	288	838	589	5	297 279	270 18	
17	15	620	316	5	24 6	290 18	287	665	588	5	296 278	288 18	
18	9	440	310	5	~~8~~ 18 0	308 18	292	940	593	5	301 183	306 18	
19	6	130	307	5	15 6 1/2	326 18	297	735	598	5	306 188	324 18	
20	11	478	312	5	20 2	344 18	284	270	585	5	294 274	342 20	
21	20	035	321	5	29 ~~30~~ ~~12~~ 11	362 18	261	473	562	5	271 151	362 20	
22	59	728	360	5	69 49	380 20	216	260	517	5	225 207	382 18	
23	66	463 ~~367~~	367	5	76 56	400 20	253	800	554	5	264 242	400 22	
						420 ✓						422 ✓	
												420	
	825	608 ✓					6268	780 ✓				842 ✓	
							825	608					
							5443	172 ✓					
BM 17-26A													BM 17-26A Grand Ave. & Camaron Ave. see F.B.

WEATHER Sunny & Clear INST. NO 96716

TIME 1:15 to 3:05 ROD NO. 9589

NOTES CHKD BLANCHARD DATE

1-03

4115 192 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-17-71

INDEXED [illegible] 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.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G.E. Dreier DATE 6-16-71 TIME 1450 WEATHER Calm & Clear INST. NO. 96714
NOTES BY Waldenmaier ROD NO. 45296
INDEXED J. GALL DATE JUL 29 71 NOTES CHKD BLANCHARD DATE AUG 2 0 71
F.B. 4115 PG. 193
T-88

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													From BM17-27 To BM17-28
BM17-27													BM17-27
1	297	222	598	5	304 290	14	77	448	378	5	82 72	10	Grand Ave. & 0.53 mi. S.E'ly of
													Camaron Ave. @ Bridge #5-74
2	299	330	600	5	299 (½) ~~288~~ 307	14	3	648	304	5	(½) 12 3	18	See F.B. ~~#~~ 2897-16
					292 307	28						28	
3	297	177	598	5	288	19	6	710	307	5	(½) 15 6	18	
						47						46	
4	301	393	602	5	301 (½) 292	18	5	523	306	5	(½) 15 5	20	
						65						66	
5	283	608	584	5	292 274	18	5	427	306	5	(½) 14 5	18	
						83						84	
6	276	492	577	5	283 269	14	24	268	325	5	31 17	14	
						97						98	
7	292	925	593	5	300 284	16	16	949	317	5	24 8	16	
						113						114	
8	300	709	601	5	(½) 300 289	20	7	007	308	5	17 (½) 7	20	
						133						134	
9	294	653	595	5	307 282	25	12	321	313	5	24 6	24	
						158						158	
10	247	880	548	5	257 237	20	68	508	369	5	78 58	20	
						178						178	
11	298	note 579	599	5	298 (½) 276	44	60	300	361	5	84 36	48	
						222						226	
12	33 866	298 15	334	5	65 1	64	103 ~~103~~ 265	301 36	404	5	134 72	62	
						286 ✓						288 ✓	
												286	
BM17-28	323	286					391	410 ✓				574 ✓	BM17-28
	391	410											Grand Ave @ College Vista Ave
													See FB 2897-17
+	731	876											

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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 BM17-28 TO BM17-27
BM 17-28													BM 17-28
1	92	028	393	5	114 70	44	114	392	415	5	137 91	46	Grand Ave. & College Vista Ave
													See FB 2897-17
2	95	001	396	5	114 76	38	247	637	548	5	266 228	38	
						82						84	
3	11	446	312	5	(½) 29 11	36	296	203	597	5	(½) 296 281	30	π Maldonado
						118						114	
4	3	128	304	5	(½) 14 3	22	294	826	595	5	307 283	24	
						140						138	
5	9	251	310	5	(½) 18 9	18	287	977	588	5	297 277	20	
						158						158	
6	24	768	325	5	32 16	16	269	132	570	5	277 261	16	
						174						174	
7	8	728	309	5	18 - 2	20	292	217	593	5	302 282	20	
						194						194	
8	20	672	321	5	29 11	18	293	173	594	5	302 284	18	
						212						212	
9	9	845	310	5	18 0	18	245	760	546	5	255 235	20	
						230						232	
10	6	220	307	5	(½) 17 6	22	290	451	591	5	299 281	18	
						252						250	
11	14	391	315	5	22 6	16	294	694	595	5	202 286	16	
						268						266	
12	44	387	345	5	48 40	8	245	408	546	5	250 240	10	
	54	55				276 ✓	865	55				276 ✓	
BM 17-27												276	BM 17-27
	339	865 ✓					3171	870 ✓				552 ✓	Cameron Ave @ Br # 574
							339	865					See FB ~~#574~~ 2897-16
							2832	005 ✓					

1 - 72

WEATHER Calm & Clear INST. NO. 9671

TIME 0910 ROD NO. 95 & 96

NOTES CHKD BLANCHARD DATE

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-17-71

INDEXED G. J. GALLI DATE

4113 194

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 G.E. Dreier

NOTES BY Maldonado DATE 6-21-71

INDEXED S. J. GALLO DATE JUL 29 71

WEATHER Hazy Sun INST. NO 96716

TIME 10:40 to ROD NO. 95896

NOTES CHKD BLANCHARD DATE AUG 10

F.B. 4115 PG. 195

1-80

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 17-28 TO BM 17-31
BM 17-28	76	65			85		957	66	599		298 1/2		BM 17-28
1	67	617	368	5	49	36	298	747	~~600~~	5	280 1/2	36	Grand Ave & College Vista Ave
					21						305		see F.B. 2897-17
2	10	626	311	5	-1	22	292	643	593	5	279	26	
					15 1/2	58					300	62	
3	5	354	306	5	5 1/2	20	290	106	591	5	280	20	
					13 1/2	78					300 1/2	82	π-Dreier
4	4	562	305	5	4 1/2	18	300	119	601	5	291 1/2	18	
					13 1/2	96					299	100	
5	4	658	305	5	4 1/2	18	291	780	592	5	283	16	
					42	114					306	116	
6	33	982	334	5	24	18	298	508	599	5	290	16	
					27	132					304	132	
7	18	190	319	5	9	18	296	789	597	5	288	16	
					33	150					302	148	
8	24	737	325	5	15	18	294	571	595	5	286	16	
					28	168					300 1/2	164	
9	19	154	320	5	10	18	300	779	601	5	292 1/2	16	
					12 1/2	186					300 1/2	180	
10	3	957	304	5	3 1/2	18	300	617	601	5	291 1/2	18	
					37	204					303	198	
11	29	602	330	5	21	16	294	490	595	5	287	16	
					24	220					307	214	
12	15	450	316	5	6	18	299	776	600	5	291	16	
					24	238					305	230	
13	16	079	317	5	8	16	296	742	597	5	287	18	
						254						248	
	253	968 ✓					3855	667 ✓					

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Do not extend notes this side of this line.

STATION	BACKSIGHT Cont. RIGHT 477	MIC. 86	LEFT.		STADIA		FORESIGHT RIGHT 4096	MIC. 86	LEFT.		STADIA		DESCRIPTION AND REMARKS FROM BM17-28 TO BM17-31
	253	968				254	3855	667				248	
14	22	659	323	5	30 / 14	16	295	240	596	5	304 / 286	18	
15	19	483	320	5	27 / 11	270 / 16	300	190	601	5	300 1/2 / 291 1/2	266 / 18	
16	19	622	320	5	27 / 11	286 / 16	296	897	597	5	305 / 287	284 / 18	
17	25	043	326	5	33 / 17	302 / 16	288	693	589	5	297 / 279	302 / 18	
18	32	270	333	5	41 / 23	318 / 18	27~~8~~7	929	578	5	285 / 269	320 / 16	
19	8	244	309	5	18 / -2	336 / 20	299	839	600	5	308 1/2 / 290 1/2	336 / 18	
20	12	182	313	5	21 / 3	356 / 18	299	533	600	5	299 1/2 / 290 1/2	354 / 18	- 7741.654
21	34	850	335	5	43 / 25	374 / 18	300 ~~299~~	070	601	5	300 1/2 / 290 1/2	372 / 20	+ 648.264
22	20	183	321	5	30 / 10	392 / 20	292	205	593	5	302 / 282	392 / 20	- 7093.390
23	26	167	327	5	36 / 16	412 / 20	286	054	587	5	296 / 276	412 / 20	
24	15	967	316	5	26 / 4	432 / 22	292	347	593	5	302 / 282	432 / 20	
25	32	522	333	5	42 / 22	454 / ~~64~~ 20	259	285	560	5	270 / 248	452 / 22	
26	39	496	340	5	51 / 27	474 / 24	278	152	579	5	292 / 264	474 / 28	BM 17-31
BM 17-~~3~~ 27	85	608	386	5	99 / 71	498 / 28	119	553	420	5	133 / 105	502 / 28	Grand Ave. & San Jose Hills Rd.
						~~530~~ 526						530	@ College Parking Lot.
	648	264					7781 / 4	654				526 / 1056	See F.B. 2897-20

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

SURVEY BY Dreier NOTES Maldonado 6-21-71

INDEXED [illegible] DATE

WEATHER Hazy Sun INST. NO. 96716

TIME 10:40 to 12:10 ROD NO. 95296

NOTES CHKD BLANCHARD DATE AUG 1 [illegible]

7-86

4115 196

76P526B CE # 308 8/68

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

SURVEY BY G. E. Dreier

NOTES BY Maldonado DATE 6-23-71

INDEXED C. J. GALLI DATE JUL 29 71

WEATHER Hazy Sun INST. NO 95967

TIME 8:40 to ROD NO. 95896

NOTES CHKD BLANCHARD DATE

F.B. 4115 PG. 197

T-66°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 17-31 TO 17-28
BM17-31	176	75			206		55	75			23		BM 17-31
1	186	550	487	5	166	40	4	719	305	5	4½	38	Grand Ave. & San Jose Hills Rd.
					297						25		@ MSAC Parking Lot.
2	284	087	585	5	271	26	12	245	313	5	1	26	See F.B. 2897-20
					300	66					19	64	
3	300	603	601	5	289½	22	7	027	308	5	7½	24	
					301	88					36	88	
4	291	500	592	5	281	20	26	091	327	5	16	20	
					303	108					34	108	
5	293	796	594	5	283	20	24	385	325	5	14	20	T-Dreier
					296	128					13	128	
6	286	476	587	5	276	20	3	820	304	5	3½	20	
					301	148					13	148	
7	301	285	602	5	291½	20	3	753	304	5	3½	20	
					308	168					15	168	
8	299	529	600	5	290	18	6	324	307	5	6½	18	
					305	186					28	186	
9	297	591	598	5	289	16	20	295	321	5	12	16	
					307	202					19	202	
10	299	302	600	5	291	16	10	436	311	5	1	18	
					307	218					29	220	
11	298	122	599	5	289	18	20	388	321	5	11	18	
					300	236					24	238	
12	291	391	592	5	282	18	14	290	315	5	4	20	
		888			306	254					29	258	
13	297	~~888~~	598	5	288	18	21	621	322	5	13	16	
					299	272					26	274	
14	299	402	600	5	290½	18	18	562	319	5	10	16	
						290						290	
	402	7522					193	95					

Cont

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Do not extend notes this side of this line.

STATION	BACKSIGHT Cont. RIGHT 3864	MIC. 466	LEFT.		STADIA		FORESIGHT RIGHT 3767	MIC. 74	LEFT.		STADIA		DESCRIPTION AND REMARKS FROM 17-31 TO 17-28
	4027	522				290	193	956				290	
15	298	309	599	5	308 288	20	3	669	304	5	13½ 3½	20	
16	301	353	602	5	301½ 292½	310 18	22	677	323	5	31 13	310 18	
17	299	679	600	5	299½ 289½	328 20	4	451	305	5	14½ 4½	328 20	
18	298	116	599	5	307 289	348 18	9	172	310	5	18 0	348 18	
19	284	697	585	5	293 275	366 18	17	526	318	5	26 8	366 18	π-Dreier
20	300	627	601	5	300 291½	384 18	13	356	314	5	22 4	384 18	
21	295	385	596	5	304 286	402 18	15	183	316	5	24 6	402 18	
22	295	298	596	5	304 286	420 18	5	305	306	5	14 5	420 18	
23	285	107	586	5	295 275	438 20	16	350	317	5	26 6	438 20	
24	301	442	602	5	301 291½	458 20	9	952	310	5	19 1	458 20	
25	260	190	561	5	272 248	478 24	59	780	360	5	72 46	478 26	
26	268	140	569	5	280 256	502 24	51	530	352	5	62 40	504 22	
						526 ✓						526 ✓	
												526	
	7515	865 ✓					4202	907 ✓				1052 ✓	BM 17-28
BM 17-28	422	907											Grand Ave & College Vista Av
	47092	958 ✓											See F.B. 2897-17

T-66 to 81

WEATHER Hazy Sun INST. NO. 9671[illegible]

TIME 8:40 to 10:15 ROD NO. 95[illegible]

NOTES CHKD BLANCHARD DATE

JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Not

SURVEY BY Dreier NOTES Maldonado 6-23-71

INDEXED [illegible] CALL DATE

76P526B CE # 308 8/68

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

SURVEY BY G.E. Dreier

NOTES BY Maldonado DATE 6-23-71

INDEXED [illegible] DATE JUL 29 71

WEATHER Hazy Sun INST. NO. 96716

TIME 1:20 to ROD NO. 95 & 96

NOTES CHKD BLANCHARD DATE [illegible]

F.B. 4115 PG. 199

T-92°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM17-28 TO BM17-31
BM17-28	77	76			65		977	33			306		BM 17-28
1	47	809	348	5	29	36	288	727	589	5	270	36	Grand Ave. & College Vista Ave.
					29						295		See F.B. 2897-17
2	18	388	319	5	7	22	284	984	585	5	273	22	
						58						58	
					49						301½		
3	40	998	341	5	31	18	301	474	602	5	292½	18	
						76					306	76	T-Dreier
					15½								
4	5	486	306	5	5½	20	298	412	599	5	290	16	
						96					308	92	Re-Run
					18								
5	9	711	310	5	0	18	299	505	600	5	290	18	
						114						110	
					14½						306		
6	5	334	306	5	5½	18	298	914	599	5	290	16	
					27						301½	126	
7	19	656	320	5	11	132	301	213	602	5	290½	22	
						16							
					17	148					305	148	
8	8	175	309	5	-1	18	297	380	598	5	289	16	
						166					301½	164	
					22								
9	13	040	314	5	4	18	301	220	602	5	292½	18	
					19	184					300½	182	
10	10	731	311	5	1	18	300	100	601	5	291½	18	
					31	202					295	200	
11	22	398	323	5	13	18	287	911	588	5	279	16	
						220						216	
					32						300		
12	24	447	325	5	16	16	290	502	591	5	280	20	
					14½	236					301	236	
13	5	920	306	5	5½	18	293	922	594	5	285	16	
						254					296	252	
					18								
14	10	522	311	5	2	16	287	620	588	5	278	18	
						270						270	
	242	615					431	884					

Cont

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Cont.

STATION	BACKSIGHT RIGHT 369	BACKSIGHT MIC. 15	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT 358	FORESIGHT MIC. 76	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS FROM BM17-28 TO 17-31
	242	615				270	4131	884				270	
15	21	802	322	5	29 13	16	292	809	593	5	300 284	16	
16	25	680	326	5	33 17	286 16	295	902	596	5	303 287	286 16	
17	20	360	321	5	29 11	302 18	298	342	599	5	308 289	302 19	
18	14	914	315	5	24 4	320 20	301	572	602	5	301 1/2 292 1/2	321 18	
19	14	498	315	5	23 5	340 18	300	606	601	5	300 1/2 291 1/2	339 18	Re-Run
20	21	~~88~~ 898	322	5	30 12	358 18	290	695	591	5	299 281	357 18	
21	29	222	330	5	38 20	376 18	297	576	598	5	308 287	375 21	
22	21	771	322	5	31 11	394 20	300	396	601	5	300 1/2 290 1/2	396 20	
23	~~20~~ 19	959	320	5	29 9	414 20	287	~~88~~ 888	588	5	297 277	416 20	
24	24	372	325	5	34 14	434 20	287	665	588	5	297 277	436 20	
25	21	912	322	5	32 10	454 22	261	470	562	5	272 250	456 22	
26	14	717	315	5	29 -1	476 30	293	069	594	5	308 278	478 30	
27	158	332	459	5	171 145	506 26	104	920	405	5	116 92	508 24	
						532						532	
												532	
BM 17-31	652	052					7744	694				1064	BM 17-31
							652	052				(1064)	Grand Ave. & San Jose Hills Rd.
							-7092	742					See F.B. 2897-20

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

SURVEY BY Dreier NOTES Maldonado 6-23-71

INDEXED [illegible] DATE

WEATHER Hazy Sun INST. NO. 9671

TIME 1:20 to ROD NO. 9559

NOTES CHKD BLANCHARD DATE

7-92

76P526B CE # 308 8/68

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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 BM 17-31 TO BM 17-32
BM 17-31									B.M. 17-31
1	21	878	322 5	40 2 38	249	060	550 5	268 230 38	GRAND AVE AT MT. SAC. PARKING
									SEE F.B. 2897-20
2	115	060	416 5	138 92 46	194	675	495 5	217 171 46	
				84				84	
3	97	143	398 5	119 75 44	190	162	491 5	118 167 46	
				128				130	⊼ MIYAHIRA
4	190	893	491 5	210 170 40	70	830	371 5	90 50 40	
				168				170	
5	187	578	488 5	208 166 42	115	031	416 5	135 95 40	
				210				210	
6	128	920	429 5	149 107 42	205	175	506 5	227 183 44	
				252				254	
7	41	440	342 5	65 17 48	274	020	575 5	298 250 48	
				300				302	
8	67	565	368 5	78 56 22	180	872	481 5	190 170 20	
				322 ✓				322 ✓	
B.M. 17-32								322	B.M. 17-32
	850	477 ✓			1479	825 ✓		644	GRAND AVE., P.I. 0.2 MI. S. OF TEMPLE AVE
					850	477			SEE F.B. 2897-21
					-629	348 ✓			

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

SURVEY BY G.E. Dreier

NOTES BY [illegible] DATE 6-21-71

INDEXED [illegible] DATE JUL 29 '71

NOTES CHKD [illegible] DATE

WEATHER SMOGGY

TIME 1:20 TO 2:10

INST. NO. 96716

ROD NO. 95856

F.B. 4115 PG. 201

T-92°

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. NO. 96716 ROD NO. 55-94

WEATHER Hazy 70°

TIME 2:35 TO 3:30

NOTES CHKD. BLANCHARD DATE

JOB NO. 0301.02

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-22-71

INDEXED [redacted] DATE

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 17-32 TO B.M. 17-31
B.M. 17-32													B.M. 17-32
1	260	111	561	5	274 246	28	74	335	375	5	88 60	28	GRAND AVE., P.I. N. OF MT. SAC WAY
													SEE F.B. 2897-21
2	243	305	544	5	268 218	50	67	207	368	5	92 42	50	
						78						78	
3	130	685	431	5	154 106	48	194	735	495	5	218 170	48	MIYAHIRA
						126						126	
4	83	042	384	5	105 61	44	186	616	487	5	209 163	46	
						170						172	
5	126	648	427	5	148 104	44	99	783	400	5	121 77	44	
						214						216	
6	201	556	502	5	223 179	44	63	569	364	5	84 42	42	
						258						258	
7	236	875	537	5	258 214	44	21	355	322	5	43 -1	44	
						302						302	
8	137	940	438	5	139 135	4	83	310	384	5	85 81	4	
						306						306	
B.M. 17-31												306	B.M. 17-31
	420	167					790	910				612	GRAND AVE AT M.S.A.C. PARKING LOT
	790	910											SEE F.B. 2897-20
	+ 629	252											

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 G.E. DREIER
NOTES BY G.E. DREIER DATE 6-21-71 WEATHER LT. WIND - HAZE
INDEXED [redacted] DATE JUL 29 71 TIME 2:10 TO 3:20 INST. NO. 96716
NOTES CHKD BLANCHARD DATE ROD NO. 95 & 96
F.B. 4115 PG. 203
T=94

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 17-32 TO B.M. 17-33
B.M. 17-32													B.M. 17-32
1	46	187	346	5	57 33	24	247	875	548	5	259 235	24	GRAND AVE 0.2 MI. S.E. of TEMPLE AVE
													SEE F.B. 2897-21
2	21	925	322	5	35 7	28	276	785	577	5	290 262	28	
3	29	165	330	5	44 14	52 30	248	290	549	5	263 233	52 30	T MIYAHIRA
4	24	855	325	5	49 1	82 46	259	930	560	5	283 235	82 48	
5	22	515	323	5	44 0	128 44	248	280 323	549	5	269 227	130 42	
6	5	127	306	5	29 25	172 48	272	195	573	5	295 249	172 46	
7	31	618	332	5	49 13	220 36	210	506	511	5	228 192	218 36	
8	70	252	371	5	91 49	256 42	213	977	514	5	234 192	254 42	
9	64	991	365	5	84 44	298 40	206	118	507	5	226 186	296 40	
10	73	568	374	5	93 53	338 40	194	895	495	5	215 173	336 42	
11	75	180	376	5	95 55	378 40	190	180	491	5	210 170	378 40	
12	114	560	415	5	135 93	418 42	176	845	477	5	197 155	418 42	
13	133	300	434	5	144 122	460 22	187	056	488	5	198 176	460 22	
B.M. 17-33	712	243				482	932	932				482	B.M. 17-33
							712	243				964	GRAND AVE & 0.5 mi. N. of VALLEY
							220	689					SEE F.B. 2897-22

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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 B.M. 17-33 TO B.M. 17-32
B.M. 17-33													B.M. 17-33
1	207	308	508	5	226 / 188	38	127	154 / ~~42~~	428	5	147 / 107	40	GRAND AVE, 0.5 MI. N. OF VALLEY BLVD.
													SEE F.B. 2897-22
2	196	810	497	5	218 / 174	44	72	850	373	5	93 / 51	42	
3	243	011	544	5	272 / 214	82 / 58	19	481	320	5	148 / 219	82 / 58	T. MIYAHIRA
4	246	290	547	5	267 / 225	140 / 42	81	945	382	5	102 / 60	140 / 42	
5	222	847	523	5	246 / 192	182 / 54	77	870	378	5	101 / 53	182 / 48	
6	227	294	528	5	251 / 203	236 / 48	47	685	348	5	71 / 23	230 / 48	
7	261	237	562	5	284 / 238	284 / 46	20	374	321	5	45 / 20	278 / 50	
8	252	824	553	5	268 / 236	330 / 32	77	353	378	5	94 / 60	328 / 34	
9	262	058	563	5	287 / 237	362 / 50	6	091	307	5	31 / 6	362 / 50	
10	293	020	594	5	293 / 276	412 / 34	5	997	306	5	21 / 5	412 / 32	
11	271	058	572	5	286 / 256	446 / 30	14	441	315	5	29 / 14	444 / 30	
12	193	149	494	5	199 / 187	476 / 12	104	873	405	5	111 / 97	474 / 14	
						488						488	
B.M. 17-32												488	B.M. 17-32
	2876	906					656	114				976	GRAND AVE & P.I. N. OF MT.
	656	114											SEE F.B. 2897-21
	+2220	792											

T = 89°

WEATHER SMOGGY INST. NO. 96716

TIME 1:30 TO 2:35 ROD NO. 95896

NOTES CHKD BLANCHARD DATE

JOB NO. 0301.02

SURVEY OF L.A.Co PRECISE LEVEL NET

SURVEY BY DREIER NOTES G.E. DREIER 6-22-71

INDEXED [illegible] 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 G.E. DREIER
NOTES BY G.E. DREIER DATE 6-22-71 WEATHER SMOGGY INST. NO 96216
INDEXED G.E. GALLI DATE JUL 29 71 TIME 9:15 TO 10:00 ROD NO. 95 & 96
NOTES CHKD BLANCHARD DATE AUG
T = 83°
F.B. 4115 PG. 205

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													FROM B.M. 17-33 TO B.M. 11-95
B.M. 17-33		52			166						224		B.M. 17-33
1	131	999	432	5	96	70	195	667	496	5	166	58	GRAND AVE 0.5 mi. N. OF VALLEY BLVD
													SEE F.B. 2897-22
2	66	568	367	5	94 38	56	196	926	497	5	227 165	62	
						126						120	
3	68	059	369	5	100 36	64	214	790	515	5	247 181	66	T J. MALDONADO
						190						186	
4	75	932	376	5	110 40	70	213	728	514	5	246 180	66	
						260						252	
5	78	731	379	5	110 46	64	228	284	529	5	263 193	70	
						324						322	
6	52	362	353	5	82 22	60	254	949	555	5	284 224	60	
						384						382	
7	90	350	391	5	115 65	50	292	295	533	5	258 206	52	
8	186	090	487	5	196 176	434 20	256	329	557	5	266 246	434 20	
B.M. 11-95						454						454	B.M. 11-95
	750	044					1792	968				454	VALLEY BLVD. & GRAND AVE
							750	044				908	SEE F.B. 2880-45
							1042	924					

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Do not extend notes this side of this line.

WEATHER Smoggy INST. NO. 96716
TIME 11:00 ROD NO. 25 89
NOTES CHKD PLANCHETTE DATE

SURVEY OF L.A.Co. PRECISE LEVEL NET JOB NO. 0301.02
SURVEY BY DREIER NOTES G.E. DREIER 6-22-71
INDEXED DATE

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS FROM B.M. 11-95 TO B.M. 17-33
B.M. 11-95													B.M. 11-95
1	288	243	589	5	288 / 263	58	39	376	340	5	64 / 14	50	VALLEY BLVD. & GRAND AVE, SEE F.B. 2880-45
2	215	127	516	5	245 / 185	60 / 110	61	409	362	5	90 / 32	58 / 108	
3	220	192	524	5	252 / 188	64 / 174	83	750	385	5	115 / 51	64 / 172	J. MALDONADO
4	223	758	524	5	256 / 190	66 / 240	77	578	378	5	108 / 46	62 / 234	
5	202	779	503	5	230 / 174	56 / 296	78	527	379	5	109 / 47	62 / 296	
6	223	031	524	5	255 / 191	64 / 360	60	306	361	5	92 / 28	64 / 360	
7	185	251	486	5	210 / 160	50 / 410	110	691	411	5	125 / 85	50 / 410	
8	169	120	470	5	182 / 156	26 / 436	173	089	474	5	188 / 158	30 / 440 / 436	
9													
	1727501						684726					876	
B.M. 17-33	684726												B.M. 17-33
	1042775												GRAND AVE, 0.5 mi. N. of VALLEY BLVD.

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 G.E. DREIER

NOTES BY G.E. DREIER DATE 6-22-71

INDEXED [illegible] DATE JUL 29 71

WEATHER SMOGGY LT. BR. T2 81°

TIME 10:00 TO 10:20

NOTES CHKD BLANCHARD DATE [illegible]

INST. NO. 96716

ROD NO. 95 & 96

F.B. 4115 PG. 207

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 11-95 TO B.M. 11-94
B.M. 11-95													B.M. 11-95
1	184	614	485	5	217 151	66	130	091	431	5	158 102	56	VALLEY BLVD. & GRAND AVE
													SEE F.B. 2880-45
2	175	762	476	5	200 150	50 116	119	141	420	5	149 89	60 116	
3	159	320	460	5	191 127	64 180	105	541	406	5	134 76	58 174	⊼ J. MALDONADO
4	162	890	463	5	191 133	58 238	95	588	396	5	127 63	64 238	
5	190	706	491	5	299 181	18 256	165	420	466	5	174 156	18 256	
M 11-94												256	B.M. 11-94
	873	292					615	781				512	VALLEY BLVD. N.E. OF GRAND AVE
	615	781											SEE F.B. 13 76-85
	+257	511											
			RERUN 6-23-71 3:00								HAZE, LIGHT BREEZE T+97		
B.M. 11-95													
1	164	703	465	5	½164 134	60	111	646	412	5	141 81	60	
2	180	113	481	5	212 148	64 124	129	861	430	5	160 98	62 122	
3	175	922	476	5	209 141	68 192	110	322	411	5	145 75	70 192	
4	179	571	480	5	212 146	66 258	91	713	392	5	125 57	68 260	
B.M. 11-94	700	309					443	542				258	
	443	542										518	
	+256	767											

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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. 11-94 TO B.M. 11-95
B.M. 11-94													B.M. 11-94
1	96	632	397	5	126 66	60	181	934	482	5	209 153	56	VALLEY BLVD, N.E. OF GRAND AVE
													SEE F.B. 1376-85
2	112	891	413	5	142 82	60	176	262	477	5	207 145	62	
						120						118	
3	142	352	443	5	171 113	58	165	461	466	5	193 137	56	J. MALDONADO
						178						174	
4	148	143	449	5	186 110	76	233 ~~129~~	129 ~~534~~	534 ~~193~~	5	273 193	80	
						254						254	
												254	
	~~499~~	~~998~~					756	786				508	
B.M. 11-95	500	018					500 ~~499~~	018 ~~998~~					B.M. 11-95
													VALLEY BLVD. & GRAND AVE
							~~256~~	~~788~~					SEE F.B. 2880-45
							256	768					

WEATHER SMOGGY INST. NO. 96716

TIME 10:20 TO 10:45 ROD NO. 95896

NOTES CHKD BLANCHARD DATE

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES G.E. DREIER 6-22-71

INDEXED [illegible] DATE

JOB NO. 0301.02

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 74°
SURVEY BY G.E. DREIER WEATHER HAZY SUN INST. NO 96716
NOTES BY G.E. DREIER DATE 6-25-71 TIME 9:10 TO 10:10 ROD NO. 95 & 96
INDEXED [redacted] DATE JUL 29 71 NOTES CHKD BLANCHARD DATE [illegible]
F.B. 4115 PG. 209

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 17-13 TO 17-14
B.M. 17-13													B.M. 17-13
1	295	468	596	5	295 / ½ 276	38	88	085	389	5	108 / 68	40	COVINA HILLS RD. & HOLT AVE.
													SEE F.B. 1381-120
2	196	325	497	5	218 / 174	44	12	403	313	5	134 / ½ 12	44 / 84	
						82							
3	239	958	540	5	258 / 220	38	34	475	335	5	52 / 16	36	
						120						120	π T. MIYAHIRA
4	270	249	571	5	292 / 248	44	7	787	308	5	126 / ½ 7	38	
						164						158	
5	227	740	528	5	238 / 218	20	13	410	314	5	24 / 2	22	
						184						180	
6	290	700	591	5	302 / 278	24	7	645	308	5	119 / ½ 7	24	
						208						204	
7	272	468	573	5	287 / 257	30	40	264	341	5	57 / 23	34	
						238						238	
8	294	590	595	5	294 / ½ 279	30	13	235	314	5	28 / -2	30	
						268						268	
9	289	391	590	5	304 / 274	30	28	112	329	5	43 / 13	30	
						298						298	
10	277	935	578	5	290 / 264	26	33	790	334	5	46 / 20	26	
						324						324	
11	239	345	540	5	244 / 234	10	136	548	437	5	141 / 131	10	
						334						334	
B.M. 17-14												334	
	2894	169					415	754				668	B.M. 17-14
	415	754											COVINA HILLS RD & H.# 26840
	+2478	415											SEE F.B. 1381-121
	7												

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STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM.17-14 TO BM.17-13
BM 17-14	44	43			75		156	53			298		BM 17-14 Covina Hills Rd. & Hse#
1	64	232	365	5	53	22	288	515	589	5	278	20	20840.
					23						270		See F.B. #1381-121
2	9	125	310	5	9 ½	28	256	950	557	5	242	28	
					25	50					302	48	
3	10	048	311	5	10 ½	30	288	085	589	5	274	28	
					32	80					267	76	Λ Miyahira
4	19	815	320	5	6	26	251	681	552	5	235	32	
					103	106					280	108	
5	90	550	391	5	77	26	267	785	568	5	254	26	
					11	132					301	134	
6	3	196	304	5	3 ½	16	292	885	593	5	283	18	
					15	148					247	152	
7	3	630	304	5	3 ½	24	237	877	538	5	227	20	
					62	172					271	172	
8	43	000	344	5	24	38	252	911	553	5	233	38	
					41	210					273	210	
9	22	830	323	5	3	38	253	630	554	5	233	40	
					56	248					182	250	
10	37	952	338	5	18	38	164	223	465	5	146	36	
					85	286					293	286	
11	65	178	366	5	45	40	293	117	594	5	274 ½	38	
						326						324	
												326	
	369	556					2847	659				650	BM 17-13
							369	556					Covina Hills Rd. & Holt Ave.
BM 17-13							2478	103					See F.B. 1381-120

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

SURVEY BY DREIER NOTES ~~Alvarez~~ Maldonado 6-28-71

INDEXED [illegible] DATE ~~6-28-71~~

WEATHER Hazy Sun INST. NO. 96716

TIME 1:10 to 2:10 ROD NO. 95896

NOTES CHKD BLANCHARD DATE

1-10

4115 210

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 G.E. Dreier
NOTES BY Maldonado DATE 6-28-71
INDEXED [illegible] DATE JUL 29 '71
NOTES CHKD BLANCHARD DATE AUG 1 0 '71
WEATHER Hazy Sun
TIME 2:30 to 2:25
ROD NO. 95 & 96
INST. NO. 96716
F.B. 4115 PG. 211
T-80°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 17-13 TO BM 17-14
BM 17-13	654	53			292		65	55			92		BM 17-13
1	292	033	593	5	276½	32	76	348	377	5	60	32	Covina Hills Rd. & Holt Ave.
					180								See F.B 1381-120
2	158	207	459	5	136	44	17	625	318	5	39 17½	44	
					235	76					82	76	
3	222	366	523	5	209	26	69	455	370	5	56	26	
					270	102					73	102	Re-Run
4	252	260	553	5	234	36	55	830	356	5	37	36	
					240	138					47	138	T-Miyahira
5	226	290	527	5	212	28	34	032	335	5	21	26	
					297	166					23	164	
6	297	826	598	5	284½	26	11	647	312	5	11½	24	
					304	192					51	188	
7	292	842	593	5	280	24	37	493	338	5	23	28	
					249	216					43	216	
8	237	103	538	5	225	24	31	922	332	5	19	24	
					302	240					20	240	
9	287	670	588	5	272	30	6	863	307	5	6½	28	
					268	270					50	268	
10	255	762	556	5	242	26	36	025	337	5	22	28	
					260	296					17	296	
11	250	345	551	5	240	20	7	157	308	5	7½	20	
					231	316					141	316	
12	225	235	526	5	219	12	135	065	436	5	129	12	
						328						328	
												328	BM 17-14
BM 17-14	299	939					519	462				656	Covina Hills Rd. & Ho. #20840
	519	462											See F.B. 1381-121
	+ 248	477											
	78												

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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
													FROM BM17-14 TO BM17-13
BM17-14	484	53			132		647	53			258		BM17-14
1	125	419	426	5	118	14	251	362	552	5	244	14	Covina Hills Rd. & Ho. # 20840
					44						151		See F.B. 1381-121
2	35	235	336	5	26	18	242	985	543	5	133	18	
					44	32					281	32	
3	30	267	331	5	16	28	267	441	568	5	253	28	
					22	60					291	60	Re-Run
4	8	175	309	5	8½	28	293	028	594	5	278½	26	
					52	88					224	86	T-Miyahira
5	39	836	340	5	26	26	210	504	511	5	196	28	
					97	114					287	114	
6	88	170	389	5	79	18	258	600	559	5	289	18	
					17	132					301	132	
7	9	532	310	5	1	16	292	655	593	5	283	18	
					34	148					233	150	
8	24	840	325	5	14	20	223	630	524	5	213	20	
					73	168					225	170	
9	59	410	360	5	45	28	211	568	512	5	197	28	
					49	196					253	198	
10	31	041	332	5	13	36	235	876	536	5	217	36	
					31½	232					252	234	
11	9	106	310	5	9½	44	230	330	531	5	208	44	
					155	256					194	278	
12	141	880	442	5	127	28	182	830	483	5	170	24	
					78	304					259	302	
13	68	083	369	5	58	20	248	700	549	5	237	22	
						324						324	
												324	
	670	988					3149	509				648	BM17-13
BM17-13		94					670	994					Covina Hills Rd. & Holt Ave.
							2478	515					See F.B. 1381-120

F.B. 4115 PG. 212 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-29-71

INDEXED [illegible] DATE

WEATHER Overcast INST. NO. 96716

TIME 8:45 to ROD NO. 95E9

NOTES CHKD BLANCHARD DATE

T-58

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 G.E. DREIER

NOTES BY G.E. DREIER DATE 6-25-71

INDEXED G.T. CALLEY DATE JUL 29 '71

WEATHER HAZY SUN T 78°

TIME 10:10 TO 11:35

NOTES CHKD BLANCHARD DATE

INST. NO. 96716

ROD NO. 95 & 96

F.B. 4115 PG. 213

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
	96						8						FROM B.M. 17-14 TO B.M. 17-15
B.M. 17-14													B.M. 17-14
1	300	987	601	5	300 / ½ 286	28	13	971	314	5	27 / -1	28	COVINA HILLS RD., 0.4 mi. E. of HOLT AVE
													SEE F.B. 1381-121
2	288	247	589	5	302 / 274	28	3	650	304	5	16 / ½ 3	26	
						56						54	
3	301	595	602	5	301 / ½ 290	22	15	330	316	5	26 / 4	22	⊼ T. MIYAHIRA
					247	78					45	76	
4	239	582	540	5	231	16	35	907	336	5	25	20	
						94						96	
5	256	150	557	5	267 / 245	22	4	925	305	5	12 / ½ 4	16	
						116						112	
6	301	670	602	5	301 / ½ 293	16	5	412	306	5	14 / ½ 5	18	
					275	132					63	130	
7	266	515	567	5	257	18	53	136	354	5	43	20	
						150						150	
8	261	097	562	5	271 / 251	20	11	370	312	5	21 / 1	20	
					289	170					63	170	
9	277	693	578	5	265	24	51	959	352	5	39	24	
					246	194						194	
10	236	468	537	5	226	20	10	563	311	5	20 / 0	20	
						214						214	
11	288	356	589	5	296 / 280	16	4	812	305	5	12 / ½ 4	16	
					263	230					38	230	
12	256	387	557	5	249	14	31	500	332	5	24	14	
					276	244						244	
13	268	308	589	5	60	16	37	555	338	5	45 / 29	16	
	3543	0.55				260	280	090				260	

CONT.

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 B.M. 17-14 TO B.M. 17-15
	3543	055				260	280	090				260	CONT.
14	245	655	546	5	254 236	18	12	883	313	5	22 2	20	
15	292	945	593	5	302 282	278 20	7	100	308	5	16 -2	280 18	
16	297	918	598	5	306 288	298 18	40	242	341	5	49 31	298 18	
						316						316	
												316	
	4379	573					340	315				632	
B.M. 17-15	340	315											B.M. 17-15
	+4039	258											COVINA HILLS RD & No. # 21140
													SEE F.B. 1381-122

T = 80°

WEATHER HAZY SUN INST. NO. 96716

TIME 10:10 TO 11:35 ROD NO. 95896

NOTES CHKD BLANCHARD DATE

JOB NO. 0301.02

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES G.E. DREIER, 62571

INDEXED [illegible] DATE

76P526B CE # 308 8/68

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

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

SURVEY BY G.E. DREIER NUNEZ DATE 6-28-71 WEATHER overcast INST. NO. 96716

NOTES BY TIME 10:30 to ROD NO. 95 & 96

INDEXED DATE JUL 29 71 NOTES CHKD BLANCHARD DATE AUG 10 71

T=

F.B. 4115 PG. 215

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 17-15 TO B.M. 17-14
B.M. 17-15													B.M. 17-15
1	43	272	344	5	1 63 / 2 35	116	284	280	515	5	292 / 276	16	COVINA HILLS RD. & Ho. No 21140
													SEE F.B. 1381-122
2	8	089	309	5	16 / 0	16	279	163	580	5	287 / 271	16	
						32						32	
3	19	699	320	5	29 / 9	20	261	511	562	5	270 / 252	18	
						52						50	A. J. Maldonado
4	6	949	307	5	1 18 / 2 6	24	296	817	597	5	305 / 287	18	
						76						68	
5	48	692	349	5	54 / 42	12	300	259	601	5	1 300 / 2 290	20	
						88						88	
6	15	870	316	5	23 / 7	16	273	067	574	5	280 / 266	14	
						104						102	
7	16	437	317	5	27 / 5	22	251	070	552	5	263 / 239	24	
						126						126	
8	27	668	328	5	39 / 15	24	287	343	588	5	299 / 275	24	
						150						150	
9	7	953	308	5	1 18 / 2 7	22	240	791	541	5	251 / 229	22	
						172						172	
10	11	160	312	5	22 / 0	22	299	792	600	5	1 299 / 2 288	22	
						194						194	
11	49	223	350	5	54 / 44	10	263	040	564	5	269 / 257	12	
						204						206	
12	27	719	328	5	34 / 20	14	217	052	518	5	224 / 210	14	
						218						220	
13	30	169	331	5	43 / 17	26	284	904	585	5	296 / 272	24	
	3129 00					244	3539 089					244	

Cont

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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 cont.						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 17-15 TO BM 17-14
	312	900				244	3539	089				244	
14	8	459	309	5	1 19 / 2 8	22	300	432	601	5	1 300 / 2 289	22	
						266						266	
15	21	813	322	5	31 / 9	22	266	262	567	5	277 / 255	22	
						288						288	
16	12	820	313	5	1 28 / 2 12	32	289	683	590	5	304 / 274	30	
						320						318	
												320	
	~~355~~	992					4395	466				638	
BM17-14	355						355	992					B.M. 17-14
													COVINA HILLS RD. & 0.4 MI. E. OF HOLT
							-4039	474					SEE F.B. 1381-121

WEATHER Overcast INST. NO. 9671

TIME 10:30 to 11:50 ROD NO. 95 & 9

NOTES CHKD. BLANCHARD DATE

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

SURVEY BY DREIER NOTES Nunez

INDEXED 1-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 G.E. DREIER

NOTES BY G.E. DREIER DATE 6-25-71

INDEXED G.E. GALLI DATE JUL 29 71

WEATHER HAZE T=79°

TIME 11:35 TO 1:40

NOTES CHKD BLANCHARD DATE

INST. NO. 96716

ROD NO. 95896

F.B. 4115 PG. 217

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 17-15 TO B.M. 17-16
B.M. 17-15									B.M. 17-15
1	286	242	587 5	296 276 20	8	782	309 5	121 ½ 8 26	COVINA HILLS RD. AT HO.# 21140 & 21144
									SEE F.B 1381-122
2	289	838	590 5	299 279 20	33	712	334 5	40 26 24	
3	292	940	593 5	306 278 40 28	48	323	349 5	57 39 50 18	⊼ J. MALDONADO
4	170	134	471 5	184 156 68 28	183	518	484 5	198 168 68 30	
5	43	799	344 5	54 32 96 22	230	841	531 5	240 220 98 20	
6	94	710	395 5	108 80 118 28	269	718	570 5	282 256 118 26	
7	31	053	332 5	48 14 146 34	251	498	552 5	268 234 144 34	
8	31	569	332 5	52 10 180 42	269	362	570 5	291 247 178 44	
9	24	532	325 5	40 8 222 32	184	789	485 5	200 168 222 32	
10	137	188	438 5	159 115 254 44	75	570	376 5	102 48 254 54	
11	282	032	583 5	297 267 298 30 328	76	841	377 5	86 66 308 20	
12	117	400	418 5	138 96 42 370	178	348	479 5	200 156 328 44	
								372	
								370	
B.M. 17-16	1801	437			1811	302		7542	B.M. 17-16
					1801	437			COVINA HILLS RD. & HO.# 21542 & 46
					009	865			SEE F.B. 3711-131

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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
													FROM B.M. 17-16 TO B.M. 17-15
B.M. 17-16													B.M. 17-16
1	179	923	480	5	203 155	48	173	859	474	5	198 148	50	COVINA HILLS RD & Ho# 21542
													SEE F.B. 3711-131
2	5	940	306	5	121 ½ 5	32	220	498	521	5	236 204	32	
						80						82	
3	141	292	442	5	172 110	62	3	480	304	5	133 2 3	60	
						142						142	⊼ J. MALDONADO
4	246	176	547	5	266 226	40	38	666	339	5	56 20	36	
						182						178	
5	244	228	545	5	262 226	36	3	984	304	5	122 2 3	38	
						218						216	
6	267	768	568	5	279 255	24	44	160	345	5	56 32	24	
						242						240	
7	227	931	528	5	240 214	26	58	166	359	5	72 44	28	
						268						268	
8	210	777	511	5	228 192	36	231	850	532	5	249 213	36	
						304						304	
9	6	742	307	5	18 ½ 6	24	300	758	601	5	300 2 288	24	
						328						328	
10	15	906	316	5	26 4	22	270	334	571	5	281 259	22	
						350						350	
11	60	519	361	5	66 54	12	251	643	552	5	257 245	12	
						362 ✓						362 ✓	
12				5						5		362	
	1607	202 ✓					1597	398 ✓					
	1597	398										724 ✓	B M 17-15
B M 17-15	009	804 ✓											Covina Hills Rd. at Hse# 21140
													& 21144
													See F.B.

T=67

WEATHER OVERCAST INST. NO 96716

TIME 9:30 ROD NO 95 & 9

NOTES CHKD BLANCHARD DATE

JOB NO. 0301.02

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES NUNEZ 6-28-71

INDEXED [illegible] DATE

4115 218

76P526B C.E # 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

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

SURVEY BY G.E. DREIER DATE 6-25-71 WEATHER HAZE

NOTES BY G.E. DREIER TIME 1:50 TO 2:05 INST. NO. 26716

INDEXED [redacted] DATE JUL 29 71 NOTES CHKD BLANCHARD DATE [redacted] ROD NO. 95 & 96

T = 83°

F.B. 4115 PG. 219

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													From B.M. 17-16 To B.M. 17-16A
B.M. 17-16													B.M. 17-16
1	252	130	553	5	262 242	20	3	519	304	5	14 ½ 3	22	COVINA HILLS RD. & Ho. # 21542 & 21546
													SEE F.B. 3711-131
2	276	582	577	5	285 267	18	6	230	307	5	15 ½ 6	18	
						38						40	
3	281	703	582	5	290 272	18	41	388	342	5	50 32	18	T J. MALDONADO
						56						58	
4	269	077	570	5	279 259	20	47	684	348	5	58 36	22	
						76						80	
5	258	123	559	5	268 248	20	18	479	319	5	29 7	22	
						96						102	
6	301	063	602	5	1 301 2 290	27	4	717	305	5	12 ½ 4	16	
						118						118	
7	273	348	574	5	279 267	12	13	922	314	5	19 7	12	
						130						130	
8	263	799	564	5	268 258	10	37	560	338	5	42 32	10	
						140						140	
9	281	959	582	5	288 274	14	19	704	320	5	26 12	14	
						154						154	
10	296	240	597	5	305 287	18	12	039	313	5	20 4	16	
						172						170	
11	260	239	561	5	266 254	12	20	908	321	5	27 13	14	
						184						184	
12	266	461	567	5	273 259	14	6	904	307	5	14 ½ 6	16	
						198						200	
13	258	707	559	5	265 251	14	3	711	304	5	13 ½ 3	20	
						212						220	
	3539	4317					236	765					

Cont.

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 B.M. 17-16 TO B.M. 17-16A
	3539	431				212	236	765				220	CONT.
14	300	507	601	5	1/2 300 290	20	44	323	345	5	51 37	14	
						232						234	
15	290	772	591	5	300 280	20	14	771	315	5	23 5	18	
						252						252	
16	282	100	583	5	293 271	22	74	613	375	5	85 63	22	
						274						274	
B.M. 17-16A												274	B.M. 17-16A
	4412	810					370	472				548	COVINA HILLS RD. &
	370	472											SAN BERNARDINO FRWY
													AT SUMMIT
	+4042	338											SEE F.B. 3711-133

T = 83°

WEATHER H42E INST. NO 96716

TIME 1:50 TO 305 ROD NO 95896

NOTES CHKD BLANCHARD DATE

JOB NO. 0301.02

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES G. E. DREIER 6-25-71

INDEXED [illegible] DATE

76P526B CE # 308 8/68

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

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T=69
SURVEY BY G.E. DREIER
NOTES BY G.E. DREIER DATE 6-28-71 WEATHER OVERCAST INST. NO. 96716
INDEXED J. GALLF DATE JUL 29 71 TIME 8:45 TO 9:30 ROD NO. 95 & 96
NOTES CHKD BLANCHARD DATE
F.B. 4115 PG. 221

STATION	BACKSIGHT Right	Mic.	Left		Stadia		FORESIGHT Right	Mic.	Left		Stadia		DESCRIPTION AND REMARKS
													FROM B.M. 17-16A TO B.M. 17-16
B.M.17-16A													B.M. 17-16A
1	63	450	364	5	75 51	24	299	337	600	5	299 ½ 286	26	COUNA HILLS RD. & S.B. FRWY
													SEE F.B. 3711-133
2	28	123	329	5	36 20	16	263	220	564	5	270 256	14	
3	13	051	314	5	23 3	40 20	296	502	597	5	304 286	40 18	⊼ J. MALDONADO
4	11	507	312	5	19 3	60 16	299	258	600	5	299 ½ 290	58 18	
5	8	752	309	5	16 0	76 16	269	526	570	5	277 261	76 16	
6	22	870	323	5	30 14	92 16	299	677	600	5	299 ½ 292	92 14	
7	5	233	306	5	15 ½ 5	108 20	291	158	592	5	298 284	106 14	
8	32	020	333	5	36 28	128 8	290	590	591	5	298 282	120 16	
9	10	481	311	5	16 4	136 12	300	032	601	5	300 ½ 293	136 14	
10	5	081	306	5	12 ½ 5	148 14	296	878	597	5	303 289	150 14	
11	15	100	316	5	26 4	162 22	278	489	579	5	289 267	164 22	
12	18	545	319	5	31 5	184 26	275	914	576	5	288 262	186 26	
13	27	449	328	5	35 19	210 14	233	371	534	5	241 225	212 16	
	261	662				224	369	952				228	

CONT

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 B.M. 17-16A TO B.M. 17-16
	261	662			~~224~~	224	3693	952				228	
14	23	408	324	5	32 14	18	253	427	554	5	259 247	12	
						242						240	
15	12	824	313	5	20 4	16	267	481	568	5	276 258	18	
						258						258	
16	57	012	358	5	64 50	14	182	442	483	5	189 175	14	
						272						272	
B.M. 17-16												272	B.M. 17-16
	354	906					4397	302				544	COVINA HILLS RD AT
							354	906					HO. #21542 & 21546
													SEE F.B. 13711-131
							-4042	396					

T = 69°

WEATHER OVERCAST INST. NO. 96716

TIME 8:45 TO ROD NO. 95-82

NOTES CHKD BLANCHARD DATE

F.B. 4115 PG. 222 JOB NO. 0301.02

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY DREIER NOTES DREIER 6-28-71

INDEXED L. GALLI 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						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 17-16A TO B.M. 17-16B
BM. 17-16A													B.M. 17-16A
					242						174		CONINA HILLS RD. & SAN BERNARDINO FRWY
1	202	402	503	5	162	80	134	278	435	5	94	80	SEE F.B. 3711-133
	134	278										80	
	F 68	124										160	T-Dreier
BM 17-16B													B.M. 17-16B
													S. SIDE S.B. FRWY, E. OF CONINA HILLS RD
													SEE F.B. 3711-133

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

SURVEY BY G.E. DREIER

NOTES BY Maldonado DATE 6-29-71 WEATHER Hazy Sun

INDEXED G.E. DREIER DATE JUL 29 '71 TIME 10:45 to 10:55 INST. NO. 96716

NOTES CHKD BLANCHARD DATE JUL 13 '71 ROD NO. 95 & 96

T-80°

F.B. 4115 PG. 223

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM 17-16B TO 17-16A
BM 17-16B													BM 17-16B
					172						240		S. Side S.B. Fr'wy., E. of Covina
1	132	303	433	5	92	80	200	513	501	5	160	80	Hills Rd.
							132	303				80	See F.B. 3711-133
							68	210				160	π-Dreier
BM 17-16A													BM 17-16A
													Covina Hills Rd. & San Bernardino
													Fr'wy.
													See F.B. 3711-133

1-80

WEATHER Hazy Sun INST. NO. 9671

TIME 10:55 to 11:00 ROD NO. 9589

NOTES CHKD BLANCHARD DATE 10

4113 - 264 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-29-71

INDEXED [illegible] 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 G.E. Dreier
NOTES BY Maldonado DATE 6-29-71
INDEXED [illegible] DATE JUL 29 71
WEATHER Hazy Sun INST. NO 96716
TIME 11:00 to 11:35 ROD NO. 95696
NOTES CHKD BLANCHARD DATE AUG 1971
F.B. 4115 PG. 225

T-80°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM B.M. 17-16B TO B.M. 17-16C
B.M. 17-16B	43	33			46 1/2		634	64			308		B.M. 17-16B
1	21	460	322	5	21 1/2	50	282	558	583	5	256	52	SAN BERNADINO FRWY AT KELLOG SUMMIT
					39						290 1/2		SEE F.B.
2	20	284	321	5	1	38	290	856	591	5	272 1/2	36	
					21	88					299	88	
3	7	332	308	5	7 1/2	28	299	686	600	5 1/2	283	36 2	
					30	116					303	120	T-Dreier
4	15	223	316	5	0	30	289	592	590	5	274 5	28	
					29	146					302	148	
5	17	332	318	5	5	24	290	021	591	5	278	24	
					77	170					292	172	
6	69	367	370	5	61	16	285	377	586	5	278	14	
					17	186					304	186	
7	13	313	314	5	9	8	300	295	601	5	296	8	
					21	194					247	194	
8	9	128	310	5	9 1/2	24	235	844	536	5	223	24	
					136	218					165	218	
9	131	748	432	5	126	10	160	084	461	5	155	10	
						228 ✓						228 ✓	
												228	
	305	187 ✓					2434	313 ✓				456 ✓	
							305	187					
BM 17-16C													BM 17-16C
							-2129	126 ✓					San Bernardino Frwy. @ Gate E. of Summit.

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 4115 PG. 226 JOB NO. 0301.02

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 6-29-71

INDEXED DATE

WEATHER Hazy Sun INST. NO. 96716

TIME 11:37 to 12:05 ROD NO. 9585

NOTES CHKD. BLANCHARD DATE

T-80°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM17-16C TO BM17-16B
BM17-16C		2			234						95		BM 17-16C
1	227	690	523	5	210	24	82	921	383	5	69	26	San Bernardino Frwy @ Gate
					255						16		East of Summit.
2	248	445	549	5	241	14	9	538	310	5	2	14	See F.B.
					278	38					24	40	
3	274	519	575	5	270	8	19	360	320	5	14	10	
					290	46					27	50	
4	280	932	581	5	270	20	18	851	319	5	9	18	π-Dreier
					296	66					43	68	
5	282	600	583	5	268	28	30	946	331	5	17	26	
					261	94					16	94	
6	248	070	549	5	235	26	3	147	304	5	3 ½	26	
					273	120					33	120	
7	259	070	560	5	245	28	20	438	321	5	7	26	
					290	148						146	
8	275 4	863	575	5	258	32	18	652	319	5	36 0	36	
					252	180					84	182	
9	235	249	536	5	218	34	67	408	368	5	50	34	
					195	214					121	216	
10	188	021	489	5	181	14	113	882	414	5	105	16	
						228 ✓						232 ✓	
												228	
	2514	459 ✓					385	143 ✓				460 ✓	
BM17-16B	385	143											BM 17-16B
	+ 2129	316 ✓											San Bernardino Frwy @ Summit Kellog
													See F.B.

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 17-16C													FROM BM 17-16C TO BM 17-~~D~~-16D
1	252	958	553	5	265 / 239	26	295	083	591	5	1295 / 281	28	BM 17-16C San Bernardino Frwy @ Gate East of Summit.
2	3	883	304	5	1/2 17 / 3	28	288	514	589	5	302 / 274	28	See F.B. 3711-134
						54						56	
3	17	838	318	5	30 / 4	26	282	721	583	5	296 / 268	28	
						80						84	⊼ J. MALDONADO
4	6	173	307	5	1/2 21 / 6	30	280	638	581	5	294 / 266	28	
						110						112	
5	88	777	389	5	94 / 82	12	200	199	501	5	206 / 194	12	
						122						124	
6	92	444	393	5	98 / 86	12	296	182	597	5	300 / 292	8	
						134						132	
7	23	770	324	5	26 / 20	6	225	122	526	5	228 / 222	6	
						140						138	+ 761.650
8	46	766	347	5	48 / 44	4	276	230	377	5	279 / 273	6	− 3993.447
						144						144	(+) 3231.797 ✓
9	12	882	313	5	14 / 10	4	273	858	574	5	276 / 270	6	
						148						150	
10	26	591	327	5	29 / 23	6	286	993	587	5	285 / 283	4	
						154						156	
11	18	783	319	5	21 / 15	6	256	062	557	5	260 / 252	8	SEE PAGE 250 FOR ADDITIONAL DIFF. IN ELEV.
						160						164	
12	133	600	434	5	142 / 124	18	271	504	572	5	278 / 264	14	
						178						178	
13	7	221	308	5	12 / 3	9	281	478	582	5	286 / 276	10	
						187						188	
14	14	744	315	5	20 / 8	12	299	780	601	5	1/2 299 / 291	16	BM. 17-16D
						199						204	
15	15	220	316	5	22 / 8	14	179	083	480	5	183 / 174	9	CAL POLY KELLOG UNIT, W. of CAFETERIA
						213 ✓						213 ✓	SEE F.B. 3711-136
BM. 17-16D	761	650 ✓					3993	447 ✓				424 ✓	

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G.E. Dreier
NOTES BY ~~Maldonado~~ NUNEZ DATE 6-29-71
INDEXED G.T. GALLI DATE JL 29 71
NOTES CHKD BLANCHARD DATE JL 10 71
WEATHER Sunny
TIME 2:45 to 3:35
INST. NO. 96716
ROD NO. 95896
T-84°
F.B. 4115 PG. 227

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 RERUN RIGHT	FORESIGHT RERUN MIC.	FORESIGHT RERUN LEFT.	FORESIGHT RERUN STADIA	DESCRIPTION AND REMARKS
					5767				FROM B.M. 17-16C TO B.M. 17-16D
B.M. 17-16									B.M. 17-16C
1	244	762	545 5	260 228 32	300	047	601 5	300 1/2 286 28	S. SIDE S.B. FRWY E. OF
2	16	677	317 5	29 3 26 58	284	508	585 5	297 271 26 54	SUMMIT AT IRON GATE
3	17	377	318 5	30 4 26	283	165	584 5	296 270 26	SEE F.B. 3711-134
4	34	054	335 5	46 22 84 24	285	020	586 5	299 271 80 28	
5	63	598	364 5	72 54 108 18	250	421	551 5	259 241 108 18	RERUN J. MALDONADO
6	50	353	351 5	61 39 126 22	285	789	586 5	296 274 126 22	
7	32	523	333 5	36 28 148 8	291	509	592 5	295 287 148 8	
8	118	201	419 5	123 213 156 10	282	806	583 5	287 277 156 10	
9	39	850	340 5	42 36 166 6	273	782	574 5	278 268 166 10	
10	12	900	313 5	18 6 172 12	284	549	585 5	288 280 176 8	
11	34	842	335 5	40 28 184 12	285	937	586 5	292 278 184 14	
12	19	881	320 5	24 14 196 10	292	242	593 5	298 286 198 12	
13	10	610	311 5	16 4 206 12	241	224	542 5	246 236 210 10	
14	67 414	73 190	315 5	20 8 218 12	235	881	536 5	240 230 220 10	
15	09 78	818 612	379	82 74 230 8	143	107	444 5	147 139 230 8	
	788	430		238	4070	037	4019987	238	B.M. 17-16D
					788	430	788430	238	CAL-POLY, KELLOGG UNIT
					3231	607	3231527	476	W. OF CAFETERIA
									SEE F.B. 3711-136

WEATHER SMOGGY INST. NO. 9671
TIME 1:45 TO 3:00 ROD NO. 9589
NOTES CHKD BLANCHARD DATE

F.B. 4115 PG. 228 JOB NO. 0301.02
SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY DREIER NOTES G.E. DREIER 7-2-71
INDEXED G.J. GALLI 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.

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

SURVEY BY G.F. Dreier

NOTES BY Nunez DATE 6-29-71

INDEXED [illegible] DATE JL 29 '71

WEATHER Sunny

TIME 1:25 - 2:20

NOTES CHKD BLANCHARD DATE AUG 10 '71

INST. NO. 96716

ROD NO. 95-96

F.B. 4115 PG. 229

T: 84°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 17-16D TO B.M. 17-16C
B.M. 17-16D									B.M. 17-16D
1	210	522	511 5	216 204 12	5	688	306 5	½ 12 5 14	CAL. POLY CAMPUS W. OF CAFETERIA
									SEE F.B. 3711-136
2	276	282	577 5	282 270 12	7	981	308 5	12 2 10	
				24				24	
3	291	261	592 5	295 287 8	17	179	318 5	21 13 8	
				32				32	
4	301	323	602 5	½ 301 298 6	12	495	313 5	15 9 6	
				38				38	
5	293	692	594 5	297 289 8	8	268	309 5	13 3 10	
				46				48	
6	299	692	600 5	302 296 6	12	152	313 5	14 10 4	
				52				52	
7	283	503	584 5	290 276 14	39	449	340 5	46 32 14	
				66				66	+ 3779.000
8	284	948	585 5	290 278 12	38	399	339 5	44 32 12	− 547.507
				78				78	+ 3231.493
9	268	753	569 5	272 264 8	105	081	406 5	109 101 8	
				86				86	
10	272	027	573 5	286 258 28	7	768	308 5	½ 22 7 30	
				114				116	
11	294	541	595 5	308 280 28	7	393	308 5	½ 21 7 28	SEE PAGE 249 FOR ADDITIONAL DIFF. IN ELEV.
				142				144	
12	294	987	595 5	308 280 28	13	821	314 5	27 0 27	
				170				171	
13	272	258	573 5	285 259 26	113	931	414 5	125 100 25	B.M. 17-16C
				196				196	SAN BERNADINO FRWY E. OF SUMMIT AT GATE
14	135	211	436 5	141 129 12	157	902	458 5	163 151 12	SEE F.B. 3711-134
	3779	000		208	547	507		208	208/416

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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
	10 6	6 5	5		6 5	6 4			FROM B.M. 17-16D TO B.M. 17-16C
B.M. 17-16-D									B.M. 17-16D
1	243	531	544 5	251 / 235 16	4	210	305 5	1 12 / 2 4 16	CAL-POLY KELLOGG UNIT, 270 FT W. OF CAFETERIA
2	280	830	581 5	286 / 274 12	X 13	199	314 5	17? / 7 10	SEE F.B. 3711-136
3	293	333	594 5	298 / 288 28 / 10	14	152	315 5	18 / 10 26 / 8	
4	290	511	591 5	292 / 287 38 / 5	12	441	313 5	16 / 8 34 / 8	RERUN
5	288	981	589 5	293 / 283 43 / 10	14	181	315 5	19 / 9 42 / 10	⊼ J. MALDONADO
6	278	672	579 5	282 / 274 53 / 8	8	378	309 5	11 / 5 53 / 6	
7	290	299	591 5	292 / 288 61 / 4	15	480	316 5	18 / 12 58 / 6	
8	276	319	577 5	294 / 258 65 / 36	11	343	312 5	24 / 2 64 / 26	
9	267	154	568 5	279 / 255 101 / 24	6	444	307 5	1 21 / 2 6 90 / 30	
10	277	608	578 5	290 / 264 125 / 26	4	482	305 5	1 18 / 2 4 120 / 28	
X 11	265	108	565 5	276 / 254 151 / 22	19	245	320 5	32 / 6 148 / 26	
12	276	752	577 5	288 / 264 173 / 24	16	908	317 5	29 / 4 174 / 25	
13	297	687	598 5	1 297 / 2 282 197 / 30	253	712	554 5	267 / 239 199 / 28	
				227				227	
								227	
	3626	785			394	175		454	
B.M. 17-16C	394	175							B.M. 17-16C
+	3232	610							SAN BERNARDINO FREEWAY AT KELLOGG SUMMIT
	?								SEE F.B. 3711-134

F.B. 4115 PG. 230 JOB NO. 030102

SURVEY OF

SURVEY BY DREIER NOTES G.E. DREIER 7-2-71

INDEXED G.I. GALLI DATE

WEATHER HAZE INST. NO. 96716

TIME 10:30 ROD NO. 95896

NOTES CHKD BLANCHARD DATE AUG 1 9

77°

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 G.E. Dreier
NOTES BY Maldonado DATE 6-30-71
INDEXED [illegible] DATE JUL 29 '71
WEATHER Hazy Sun
TIME 9:15 to 9:25
NOTES CHKD BLANCHARD
INST. NO. 96716
ROD NO. 96596
DATE [illegible]
T-70°
F.B. 4115 PG. 231

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM BM17-16D TO BM17-18A
BM 17-16D									BM 17-16D
				55				261	San Bernardino Frwy. @ Cal Poly
1	X51	152	352 5	47 8	256	611	557 5	251 10	Campus N.W. of Cafeteria
				8				229	See F.B. 3711-136.
2	4	690	305 5	0 8	226	846	527 5	223 6	T-Dreier
				16				16	
								16	
	X55	842			483	457		32	
					X55	842			
BM 17-18A					427	615			BM 17-18A
									San Bernardino Frwy. @ Cal Poly
									Sq. SPK. on tree, N.W. of Cafeteria
									See F.B. 3711-136
				Re-Run					
	6-30-71	1:30 to 1:40				Hazy Sun		T=90°	
BM 17-16D				57				263	BM 17-16D
1	54	872	355 5	51 6	260	452	561 5	257 6	
				8				231	
2	4	733	305 5	0 8	227	650	528	223 8	T-Dreier
				14				14	
								14	
	59	605			488	102		28	
					59	605			
					428	497			
BM 17-18A									BM 17-18A

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 17-18A TO BM 17-16D
BM 17-18A													BM 17-18A
					233						11		Cal Poly Campus, N.W. of Cafeteria
1	229	238	530	5	225	8	7	343	308	5	3	8	Sq. SPK. in tree.
					265						58		See F.B. 3711-136
2	262	448	563	5	259	6	55	880	356	5	52	6	
						14						14	π-Dreier
												14	
	491	686					63	223				28	
	63	223											BM 17-16D
	428	463											Cal Poly Campus, N.W. of Cafeteria
BM 17-16D													See F.B. 3711-136

1 - 16

WEATHER Hazy Sun INST. NO. 9671

TIME 10:20 to ROD NO. 9554

NOTES CHKD BLANCHARD DATE 10

JOB NO. 0301.05

SURVEY OF L.A. Co Precise Level Net

SURVEY BY Dreier NOTES Maldonado 7-2-71

INDEXED J. GALLI DATE

4115 FG. 232

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 G.E. Dreier
NOTES BY Maldonado DATE 6-30-71
INDEXED [illegible] DATE JUL 29 '71
WEATHER Hazy Sun
TIME 9:25 to 10:35
NOTES CHKD BLANCHARD DATE AUG 10 '71
INST. NO. 96716
ROD NO. 95-296
F.B. 4115 PG. 233
T-72°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM17-18A TO BM17-~~18C~~ 17B
BM 17-18A	456	53			65		664	54			231		BM 17-18A
1	60	241	361	5	55	10	226	305	527	5	221	10	San Bernardino Frwy. Sq. SPK.
					103						148		on tree, @ Cal Poly Campus
2	84	208	385	5	65	38	131	042	432	5	131 ½	34	N. W. of Cafeteria
					130	48					254	44	See F.B.
3	118	760	419	5	106	24	241	030	542	5	228	26	
					43	72					306	70	
4	34	790	335	5	25	18	297	895	598	5	288	18	
					16	90					296	88	π-Miyahira
5	8	923	309	5	0	16	287	040	588	5	278	18	
					33	106					294	106	
6	25	195	326	5	17	16	286	968	587	5	178	16	
					44	122					289	122	
7	31	817	332	5	18	26	276	384	577	5	263	26	
					56	148					304	148	
8	37	453	338	5	18	38	286	535	587	5	268	36	
	5	333	306		23 ~~304~~	186					300	184	
9	~~286~~	~~535~~	~~587~~	5	~~268~~ 5 ½	36	281	400	582	5	262	38	
					56	222					223	222	
10	40	400	341	5	24	32	208	263	509	5	193	30	
					95	254					300 ½	252	
11	86	680	387	5	77	18	300	733	601	5	291 ½	18	
					30	272					245	270	
12	13	483	314	5	13 ½	34	228	078	529	5	211	34	
						306						304	
												306	BM 17-17B
	547	283					3051	673				610	Magnolia Lane & Red Gum Lane S.E. Cor.
							547	283					
							2504	390					See F.B. 3711-141

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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 17-17B TO BM 17-18A
BM 17-17B	767	75			203		85	43			72		BM 17-17B
1	191	345	492	5	179	24	59	080	360	5	46	26	Magnolia Lane & Red Gum Lane
					261						17		See F.B. 3711-141 S.E. Cor.
2	252	468	553	5	243	18	8	350	309	5	-1	18	
					220	42					60	44	
3	201	909	502	5	182	38	40	413	341	5	20	40	
					276	80					51	84	
4	258	977	559	5	240	36	35	514	336	5	19	32	K-Miyahira
					296	116					22	116	
5	280	290	581	5	264	32	5	530	306	5	5 ½	34	
					235	148					38	150	
6	221	995	522	5	207	28	25	635	326	5	12	26	
					296	176					16	176	
7	296	285	597	5	284 ½	24	6	654	307	5	6 ½	20	
					298	200					14 ½	196	
8	289	704	590	5	280	18	5	368	306	5	5 ½	18	
					298	218					14	214	
9	289	484	590	5	280	18	5	015	306	5	5 ½	18	
					287	236					76	232	
10	272	865	573	5	257	30	58	450	359	5	40	36	
					255	266					200	268	
11	247	113	548	5	239	16	189	400	490	5	178	22	
					130	282					77	290	
12	118	860	419	5	106	24	69	645	370	5	61	16	
					176	306					84	306	
13	173	313	474	5	170	6	81	041	382	5	78	-6	
						312						312	
												312	
	3094	608					590	095				624	BM 17-18A
BM 17-18A	590	095											Cal Poly Campus, N.W. of
	+2504	513											Cafeteria, SQ SPK. on tree
													see F.B.

F.B. 4115 PG. 234 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 7-2-71

INDEXED [illegible] DATE

WEATHER Hazy Sun INST. NO. 96716

TIME 9:25 to 10:20 ROD NO. 95296

NOTES CHKD. BLANCHARD DATE

1-14

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
													FROM BM 17-~~18A~~ 17B TO BM 17-18C
BM 17-~~18C~~ 17B	433	55			75		565	45			242		BM 17-~~18C~~ 17B
1	58	578	359	5	41	34	224	017	525	5	206	36	Magnolia Lane & Red Gum Lane
					74						215		See F.B. 3711-141 S.E. Cor.
2	56	883	357	5	38	36	199	606	500	5	183	32	
					155	70					202	68	
3	132	730	433	5	109	46	179	738	480	5	156	46	
					135	116					193	114	
4	111	098	412	5	87	48	168	261	469	5	143	50	π- Nunez
		063			226	164					159	164	
5	200	~~098~~	501	5	174	52	134	442	435	5	109	50	
					205	216					167	214	
6	179	689	480	5	153	52	141	758	442	5	115	52	
	210				237	268					190	266	
7	~~209~~	008	511	5	183	54	163	689	464	5	136	54	
					188	322					144	320	
8	160	110	461	5	132	56	118	430	419	5	92	52	
					258	378					162	372	
9	232	332	533	5	206	52	133	422	434	5	104	58	
					240	430					165	430	
10	213	068	514	5	186	54	139	641	440	5	113	52	
					199	484					120	482	
11	191	233	492	5	183	16	110	619	411	5	100	20	
						500						502	
												500	
	1745	792					1713	623				1002	
	1713	623											BM 17-18C
BM 17-18C	+32	169											KELLOGG DR. ~~Temple Ave.~~ & San Bernardino Frwy.
													See F.B. 3711-138

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

SURVEY BY G.E. Dreier

NOTES BY Maldonado DATE 6-30-71

INDEXED G.J. SANT DATE JUL 29 71

WEATHER Hazy Sun

TIME 10:35 to

NOTES CHKD BLANCHARD DATE

INST. NO. 96716

ROD NO. 95596

F.B. 4115 PG. 235

T - 80°

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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
													FROM BM17-18C TO BM17-17B
BM 17-18C	332	22			92		254	33			245		BM17-18C
1	67	422	368	5	42	50	219	696	520	5	193	52	Temple Ave & San Bernardino Frwy
					171						252		See F.B. 3711-138
2	142	120	443	5	113	58	223	747	524	5	194	58	
					122	108					181	110	
3	88	519	389	5	54	68	149	840	450	5	117	64	
					172	176					248	174	
4	131	003	432	5	90	82	207	604	508	5	166	82	T-Dreier
					162	258					236	256	
5	125	215	426	5	88	74	199	382	500	5	162	74	
					255	332					161	330	
6	220	296	521	5	185	70	125	729	426	5	89	72	
					296	402					41	402	
7	296	177	597	5	257½	78	7	150	308	5	7½	68	
					146	480					120	470	
8	144	625	505	5	142	4	114	438	415	5	108	12	
						484						482	
												484	
	~~1075~~	377					1247	586				968	
	1215	377					1215	377					
							~~274~~	209					
							032						
BM 17-17B													BM 17-17B Magnolia Lane & Red Gum Lane S.E. Cor. See F.B. 3711-141

1-70'

WEATHER Hazy Sun INST. NO. 9671

TIME 8:45 to 9:15 ROD NO. 95&9

NOTES CHKD. DATE

F.B. 4115 PG. 236 JOB NO. 0301.02

SURVEY OF LACo Precise Level Net

SURVEY BY Dreier NOTES Maldonado 7-2-71

INDEXED G. J. GALLI DATE

76P526B CE # 308 8/68

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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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. 17-18C TO B.M. 17-19A
BM 17-18C											119		B.M. 17-18C
1	281	459	582	5	306 256	50	93	147	394	5	67	52	KELLOGG D., S. SIDE S.B. FRWY
													SEE F.B. 3711-138
2	171	683	472	5	197 145	52	119 ~~120~~	958	420	5	146 92	54	
						102						106	
3	188	142	489	5	216 160	56	122	349	423	5	147 97	50	⊼ Maldonado
						158						156	
4	198	331	499	5	224 172	52	148	487	449	5	176 120	56	
						210						212	
5	155	359	456	5	180 130	50	150	256	451	5	174 226	48	
						260						260	
6	130	514	431	5	153 107	46	180	432	481	5	204 156	48	
						306						308	
7	54	641	355 ~~355~~	5	80 28	52	170	833	471	5	196 144	52	
						358						360	
8	145	151	446	5	171 119	52	156 ~~157~~	942	457	5	182 130	52	
						410						412	
9	158	298	459 ~~49~~	5	174 142	32	86	636	387	5	101 71	30	
	543	43				442	535	45				442	
BM 17-19A												442	BM 17-19A
	1483	578					1229	040				884	Campus Dr & Orange Fwy
	1229	040											See FB 3711-~~138~~ 142
	+ 254	538											

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

SURVEY BY G E Dreier

NOTES BY Miyahira DATE 30 June 1971 WEATHER Calm & Clear INST. NO. 96716

INDEXED C. J. GALLO DATE JUL 29 '71 TIME 1330 to 1410 ROD NO. 95896

NOTES CHKD BLANCHARD DATE

F.B. 4115 PG. 237

⊼ = 88

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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. 4115 PG. 238 JOB NO. 7-1-71 DATE

SURVEY OF LA Co. Precise Level Net

SURVEY BY GE Dreier NOTES Mayburg

INDEXED B. BALLI

WEATHER Windy Clear INST. NO. 96711

TIME 14454 ROD NO. 9559

NOTES CHKD BLANCHARD DATE

T2 84

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		STADIA		DESCRIPTION AND REMARKS
													FROM BM-19A TO BM 17-18C
BM 17-19A													BM 17-19A
1	74	537	375	5	103 / 45	58	142	266	443	5	170 / 114	56	Campus Dr. & Orange Fwy
													See FB 3711-142
2	159	249	460	5	185 / 133	52	127	271	428	5	152 / 102	50	
						110						106	
3	178	472	479	5	205 / 150	55	106	218	407	5	134 / 78	56	T Maldonado
						165						162	
4	203	059	504	5	236 / 170	66	130	787	431	5	165 / 95	70	
						231						232	
5	128	209	429	5	154 / 102	52	186	153	487	5	212 / 160	52	
						283						284	
6	111	324	412	5	137 / 85	52	174	420	475	5	199 / 149	50	
						335						334	
7	123	619	424	5	150 / 96	54	173	562	474	5	200 / 146	54	
						389						388	
8	89	836	390	5	115 / 63	52	282	181	583	5	(6) 282 / 256	52	
	343	35				441						440	
BM 17-18C												441	BM 17-18C
	1068	305					1372	852				881	Kellog Dr S. Side S Brno Fwy
							1068	305					See FB 3711-138
								547					
							254						

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 T: 92

SURVEY BY G E Dreier

NOTES BY Miyahira DATE 30 June 1971 WEATHER Calm & Clear INST. NO. 96716

INDEXED [illegible] DATE JUL 29 71 TIME 1410 to 1500 ROD NO. 7549

NOTES CHKD BLANCHARD DATE [illegible]

F.B. 4115 PG. 239

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM17-19A TO BM17-21
BM17-19A					152						114		BM 17-19A
1	124	156	425	5	96	56	86	822	387	5	58	56	Campus Dr & Orange Fwy
					258						116		FB 3711 - ~~138~~ 142
2	232	710	533	5	206	52	91	951	392	5	66	50	
						108						106	
3	196	258	497	5	221 171	50	137	750	438	5	160 114	46	⊼ Maldonado
						158						152	
4	189	371	490	5	216 162	54	89	499	390	5	119 59	60	
						212						212	
5	203	529	504	5	229 177	52	93 2	223	393	5	119 65	54	
						264						256	
6	227	480	528	5	252 202	50	63	141	364	5	88 38	50	
						314						316	
7	228	262	529	5	254 202	52	49	392	350	5	75 23	52	
						366						368	
8	243	582	544	5	268 218	50	117	782	418	5	142 92	50	
						416						418	
9	175	447	476	5	206 150	50	165	734	466	5	189 141	48	
	453	43				466	555	42				466	
BM17-21												466	BM 17-21
	1820	7~~8~~95					89~~5~~4	294				~~32~~	Ridgeway St & S. Campus Dr. &
	89~~5~~4	294										~~952~~ 932	See F.B 3711 - 139
	~~935~~	~~491~~											
+	92~~5~~6	501											

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 17-21 TO BM 17-19
BM 17-21													BM 17-21
1	157	701	458	5	186 128	64	177	057	478	5	209 145	64	Ridgeway St & S. Campus D
													See FB 3711-139
2	84	052	385	5	107 61	46	290	365	591	5	(½) 290 267	46	
						116						110	
3	9	916	310	5	(½) 36 9	54	204	641	505	5	131 177	54	⊼ Maldonado
						164						164	
4	111	811	412	5	140 82	58	211	117	512	5	238 184	54	
						222						218	
5	106	813	407	5	134 78	56	231	930	532	5	261 201	60	
						278						278	
6	90	923	391	5	118 62	56	240	777	541	5	270 210	60	
						334						338	
7	87	778	388	5	116 58	58	195	348	496	5	223 167	56	
						392						394	
8	106	828	407	5	141 71	70	131	090	432	5	165 97	68	
	345	23				462	323	43				462	
BM 17-19												462	BM 17-19
	755	822					1682	325				924	Campus Dr. & Orang Fwy
							755	822					See FB 3711-142
							926	503					

T = 80

WEATHER Windy & Clear INST. NO. 96716

TIME 1405 to 1445 ROD NO. 9569

NOTES CHKD BLANCHARD DATE

F.B. 4115 PG. 240 JOB NO. 0301.02

SURVEY OF L A Co. Precise Level Net

SURVEY BY GE Dreier NOTES Miyahira 7-1-71

INDEXED G. L. GALLI DATE

76P526B CE # 308 8/68

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JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T= 90

SURVEY BY G.E. Dreier WEATHER Breezy & Clear INST. NO. 96716

NOTES BY Miyahira DATE 30 June 1971 TIME 1500 to ROD NO. 95896

INDEXED [illegible] DATE JUL 29 '71 NOTES CHKD BLANCHARD DATE

F.B. 4115 PG. 241

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
1													FROM BM 17-21 TO BM 17-21A
BM 17-21													BM 17-21
1				~~5~~						~~5~~			Ridgeway St. & S. Campus Dr.
													FB 3711-139
				~~5~~						~~5~~			
					199						174		
1	170	358	471	5	141	58	146	725	447	5	118	56	⊼ Maldonado
												56	
				~~5~~						~~5~~		58	BM 17-21A
	170	358					146	725				114	Ridgeway ST & F.C. CHANNEL
	146	725											SEE F.B. 3711-140
	+23	633											

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STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 17-21A TO BM 17-21
BM 17-21A													BM 17-21 A
													Ridgeway St. & F.C. Channel
													Sec FB 3711-140
					173						197		
1	145	400	446	5	117	56	169	058	470	5	141	56	T = Maldonado
												56	
BM 17-21												56	BM 17-21
	145	400					169	058				112	Ridgeway St & S. Campus Dr
							145	460					Sec FB 3711-139
							23	658					

T = 86

WEATHER Windy & Clear INST. NO. 96726
TIME # 1400 to 1405 ROD NO. 95496
NOTES CHKD. DATE

F.B. 4115 PG. 242 JOB NO.
SURVEY OF L A Co Precise Level Net
SURVEY BY GE Dreier NOTES M. Fakira 7-1-71
INDEXED DATE

76P526B CE # 308 8/68

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

SURVEY BY GE Dreier DATE 7-1-71 WEATHER Hazy Sun INST. NO. 96714

NOTES BY Maldonado TIME 9:40 to 10:35 ROD NO. 95696

INDEXED [illegible] DATE JUL 29 71 NOTES CHKD BLANCHARD DATE [illegible]

T = 74°

F.B. 4115 PG. 243

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 17-21A TO BM 11-87
BM 17-21A													BM 17-21A (F.C. 104-01180)
	454	34			160		442	22			166		Ridgeway St. & Fl. Control Channel
1	138	449	439	5	115	45	144	462	445	5	122	44	see F.B. ~~37~~ 3711-140 (San Jose Wash)
					202						206		
2	177	408	479	5	152	50	180	832	481	5	154	52	
					156	95					211	96	T-Nunez
3	131	722	432	5	106	50	187	523	488	5	163	48	
					174	145					176	144	
4	157	435	458	5	140	34	160	512	461	5	144	32	
					165	179					166	176	
5	137	597	438	5	109	56	136	222	437	5	107	59	
					202	235	29				154	235	
6	177	641	478	5	152	50	130	933	430	5	104	50	
					218	285					163	285	
7	192	596	493	5	166	52	138	569	439	5	113	50	
					201	337					175	335	
8	178	622	479	5	155	46	152	332	453	5	129	46	
						383						381	
												383	
	12 61	470					12 30	385				764	
	9												
	1230	385											
BM 11-87													BM 11-87 (L.A. Co. Rd. Dept.)
	~~21~~	~~855~~											Ridgeway St. & S.P.R.R. & Vernon St.
+	61	085											see F.B. 1376-78

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STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 11-87 TO BM 17-21A
BM 11-87	435	33			175		534	55			196		BM 11-87 (L.A. Co. Rd Dept.)
1	155	703	456	5	135	40	176	549	477	5	156	40	S.P.R.R., Near Ridgeway St. &
					161						204		Vernon St. Int.
2	141	421	442	5	121	40	184	145	483	5	164	40	See F.B. 1376-78
					153	80					185	80	
3	131	813	432	5	109	44	163	388	464	5	140	45	
					162	124					197	125	
4	140	451	441	5	118	44	175	933	476	5	153	44	
					179	168					171	169	
5	162	869	463	5	144	35	151	928	452	5	131	40	π- Nunez
					189	203					161	209	
6	168	572	469	5	147	42	140	565	441	5	119	42	
		5			197	245					154	251	
7	178	567	479	5	159	38	138	087	439	5	122	32	
					209	283					187	283	
8	185	488	486	5	161	48	164	083	465	5	141	46	
					158	331					189	329	
9	130	322	431	5	102	56	161	743	462	5	134	56	
						387						385	
												387	
	1395	196					1456	421				472	
							1395	196				7	
							061	225					
BM 17-21A													BM 17-21A (F.C. 104-01180) Ridgeway St. & San Jose Wash see F.B. 3711-140

F.B. 4115 PG. 244 JOB NO. 0301.02

SURVEY OF L.A. Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 7-1-71

INDEXED [illegible] DATE

WEATHER Hazy Sun INST. NO. 9671

TIME 11:35 to ROD NO. 95 & 96

NOTES CHKD BLANCHARD DATE

7-82

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 G E Dreier
NOTES BY Maldonado DATE 7-1-71
INDEXED [illegible] DATE [illegible] 29 71
NOTES CHKD BLANCHARD DATE [illegible]
WEATHER Hazy Sun INST. NO. 96716
TIME 10:35 to 11:05 ROD NO. 95896
T-82°
F.B. 4115 PG. 245

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.		BACKSIGHT STADIA		FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.		FORESIGHT STADIA		DESCRIPTION AND REMARKS
													FROM BM 11-87 TO BM 11-86
BM 11-87													BM 11-87 (L.A. Co. Rd. Dept.)
					223						117		Ridgeway St. & S.P.R.R. & Vernon Ave.
1	198	300	499	5	173	50	92	895	393	5	67	50	see F.B. 1376-78
					218						120		
2	193	050	494	5	168	50	96	495	397	5	72	48	
					223	100					121	98	
3	198	240	499	5	173	50	95	608	396	5	69	52	T. Miyahira
					206	150					135	150	
4	181	555	482	5	156	50	110	293	411	5	85	50	
					168	200					109	200	
5	145	671	446	5	122	46	86	640	387	5	63	46	
						296 ✓						246 ✓	
												246	
	916	816 ✓					481	931 ✓				492 ✓	
	481	931											
	+434	885 ✓											
BM 11-86													BM 11-86 (Met. Water Dist. 62-D 1933)
													S.P.R.R. & 250± Ft. W. of
													Vernon Ave. & Bellevue Ave. Int.
													see F.B. 1376-77

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						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 11-86 TO BM 11-87
BM 11-86													BM 11-86
	223	21			108			6			166		On S.P.R.R. & 250± Ft. W. of Vernon
1	84	919	385	5	60	48	143	990	444	5	120	46	Ave. & Bellevue Ave. Int.
					140						209		See F.B 1376-77
2	116	980	417	5	92	48	184	890	485	5	159	50	
					127	96					227	96	
3	102	377	403	5	77	50	203	045	504	5	179	48	
					113	146					216	144	
4	88	523	389	5	63	50	190	755	491	5	164	52	π-Miyahira
					119	196					224	196	
5	94	750	395	5	69	50	199	892	500	5	174	50	
						246						246	
												246	
	487	549					922	542				492	
							487	549					
							434	993					
BM 11-87													BM 11-87 (L.A.Co.Rd.Dept.) S.P.R.R., Near Ridgeway St. & Vernon St. Int. See F.B. 1376-7

1-84

WEATHER Hazy Sun INST. NO. 9671

TIME 11:05 to 11:35 ROD NO. 95&9

NOTES CHKD DATE

F.B. 4115 PG. 246 JOB NO. 0301.02

SURVEY OF L.A.Co. Precise Level Net

SURVEY BY Dreier NOTES Maldonado 7-1-71

INDEXED [illegible] DATE

76P526B CE # 308 8/68

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

103 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 17-8B TO BM 17-7B
BM 17-8B	33	22		110	333	31		254	BM 17-8B
1	88	458	389 5	66 44	233	910	534 5	212 42	Badillo St. & Grand Ave., N.E. Cor
				78				268	See F.B. 2897-10
2	53	000	354 5	28 50	242	463	543 5	216 52	
				78 94				256 94	
3	48	920	349 5	18 60	225	485	526 5	194 62	
				95 154				256 156	T-Miyahira
4	65	039	366 5	35 60	227	087	528 5	198 58	
				112 214				218 214	Re-Run
5	82	883	383 5	52 50	187	753	488 5	156 62	
				5 6					
				146 264				199 276	
6	116	680	417 5	86 60	170	390	471 5	141 58	
				169 334				221 334	
7	133	700	434 5	97 72	186	400	487 5	151 70	
				406				404	
								406	
	588	680			473	488		810	
					588	680			
					885	808			
BM 17-7B									BM 17-7B
									Badillo St. & Barranca Ave.
									F.B. 1390-143 N.E. Cor.

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

SURVEY BY G.E. Dreier

NOTES BY Maldonado DATE 7-15-71

INDEXED [illegible] DATE JUL 29 '71

WEATHER Sunny & Calm

TIME 9:50 to 10:30

NOTES CHKD BLANCHARD DATE AUG 1 0 '71

T-78°

F.B. 4115 PG. 247

INST. NO. 96716

ROD NO. 95496

76P528B CE # 306 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 G.E. Dreier

NOTES BY Nunez DATE 7-15-71

INDEXED E. L. GALLI DATE JUL 29 71

WEATHER Hazy Sun INST. NO. 9671

TIME 1:00 - 2:10 ROD NO. 9589

NOTES CHKD DATE

F.B. 4115 PG. 249

T = 90°

STATION	BACKSIGHT RIGHT	MIC.	LEFT.		STADIA		FORESIGHT RIGHT	MIC.	LEFT.		STADIA		DESCRIPTION AND REMARKS
													FROM BM 17-16D TO BM 17-16C
BM17-16D		66											BM 17-16 D
1	226	622	527	5	234 / 218	16	7	973	~~014~~ 308	5	14 / 0	14	Cal-Poly Kellog Unit 270' west of cafeteria
2	298	099	599	5	305 / 291	14 / 30	12	252	6 / 313	5	18 / 6	12 / 26	See F.B. 3711-136
3	237	371	538	5	240 / 234	6	13	094	314	5	18 / 8	10	
4	289	858	590	5	294 / 284	36 / 10 / 46	4	832	305	5	1/2 10 / 4	36 / 12 / 48	π Maldonado Re-run
5	289	431	590	5	292 / 286	~~612~~ 52	11	072	312	5	15 / 7	8 / 56	
6	289	271	590	5	292 / 286	6 / 58	19	740	320	5	21 / 17	4 / 60	
7	263	500	564	5	267 / 259	8	14	883	315	5	17 / 11	6X	
8	259	462	560	5	261 / 257	66 / 4 / 70	77	781	378	5	79 / 75	66 / 4 / 70	
9	280	146	581	5	286 / 274	12 / 82	83	771	384	5	89 / 77	12 / 82	
10	272	727	573	5	286 / 258	28	18	489	319	5	32 / 4	28	
11	290	417	591	5	504 / 271	110 / 28 / 138	8	890	309	5	1/2 22 / 8	110 / 28 / 138	
12	289	309	590	5	303 / 275	28	14	457	315	5	28 / 0	28	
13	293	690	594	5	307 / 279	166 / 28 / 194	127	493	428	5	142 / 112	166 / 30 / 196	
14	267	677	568	5	277 / 257	20 / 214	201	658	502	5	209 / 193	16 / 212	
BM17-16C												214	BM 17-16 C
	3847	880					616	385				426	San Bernardino Fryw E, of Summit at Gate
	616	385											SEE F.B. 3711-134
+	3231	495											

LOS ANGELES

403 LOS ANGELES

STATION	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM BM 17-16C TO BM 17-16D
B.M. 17-16C													BM 17-16C
1	269	208	570	5	282 256	26	293	048	594	5	306 280	26	San Bernardino Freeway at Kellog Summit
2	5	558	306	5	½ 19 5	28 54	288	674	589	5	302 274	28 54	FB 3711-134
3	23	812	324	5	36 10	22 76	279	886	580	5	292 266	26 80	
4	18	917	319	5	31 5	26 102	254	221	555	5	265 243	22 102	T. MALDONADO
5	26	122	327	5	39 13	26 128	272	543	573	5	285 259	26 128	
6	66	866	367	5	74 58	16 144	225	360	526	5	233 217	16 144	
7	64	711	365	5	66 62	4 148	301	928	602	5	½ 301 298	6 150	
8	53	853	354	5	55 51	4 152	299	049	600	5	301 297	4 154	
9	41	901	342	5	44 38	6 158	278	492	579	5	281 275	6 160	
10	10	391	311	5	14 6	8 166	296	981	597	5	300 292	8 168	
11	5	810	306	5	½ 9 1	8 174	296	531	597	5	302 290	12 180	
12	23	454	324	5	28 18	10 184	242	443	543	5	245 239	6 186	
13	8	377	309	5	14 2	12 196	248	750	549	5	253 243	10 196	
14	10	358	311	5	½ 19 18 0	18 214	283	093	504	5	292 274	18 214	B.M. 17-16D
	629	338					3860	999				214	CAL POLY W. OF CAFETERIA
							629	338				428	SEE F.B. 3711-136
B.M. 17-16D							3231	661					

T = 90°

WEATHER Hazy Sun

TIME 2:15 3:15

NOTES CHKD

DATE

JOB NO. 0301.02

SURVEY OF L.A. Co. PRECISE LEVEL NET

SURVEY BY Dreier NOTES Nunez 7-15-71

INDEXED G. J. GALL DATE

F.B. 4115 PG. 280