Ct'd by

Survey of Long Beach Precise Level Sur
JN 0882.43 Tape Std °F
Surveyed by Dreier- Voge
Notes Voge Date 9-30-65
Indexed C. J. [illegible]

F. B. 3747 PG. 5

G BEACH [illegible]SE LEVEL SURVEY

J.N. 0882.43

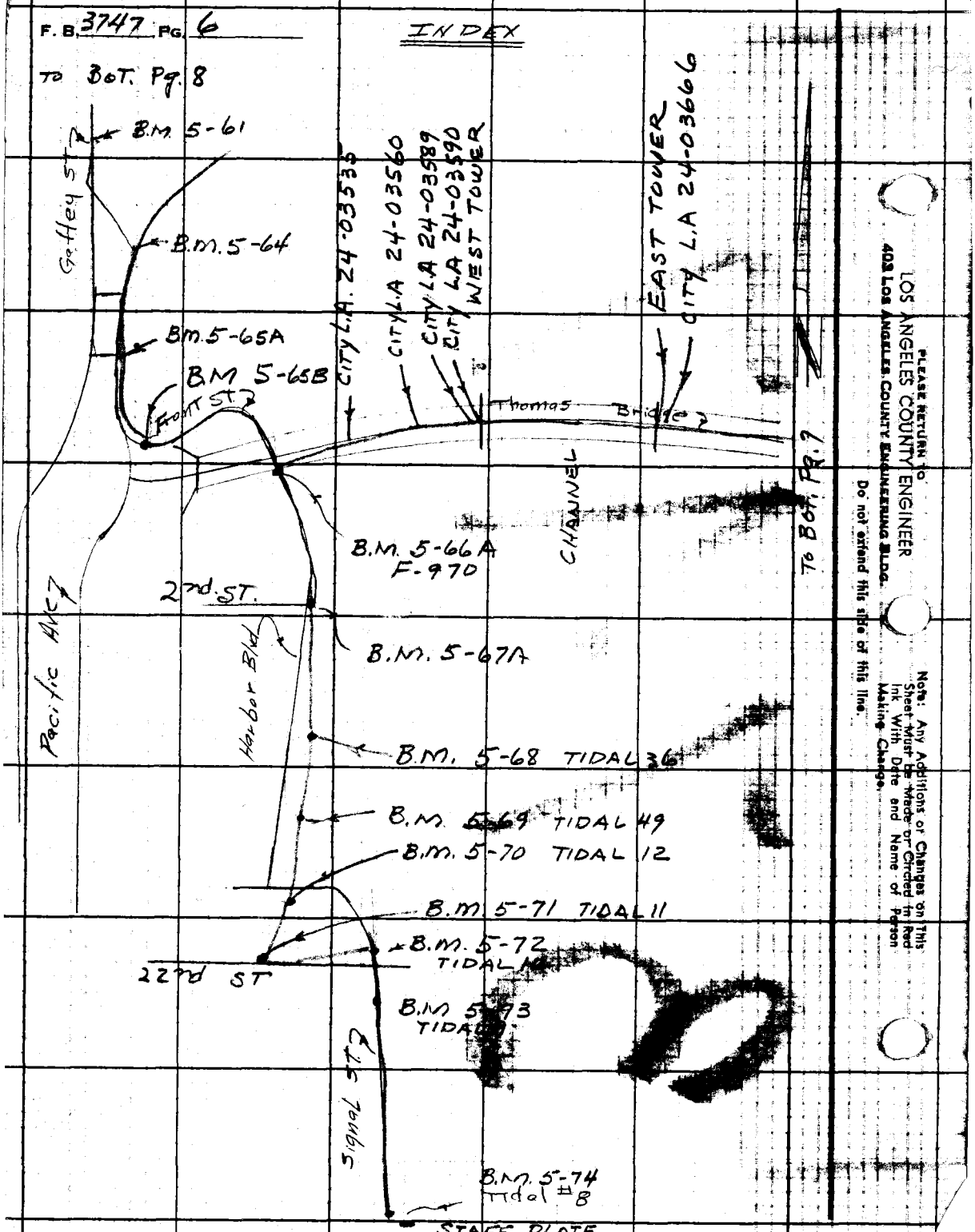
[illegible]erences Use[illegible]
[illegible] Precise Level Alet (Line 5 & 30)
[illegible] of Los Angeles (L.A.)
[illegible] of Long Beach (L.B.)
[illegible] Beach [illegible] Dept. (H.D.)

Not microfilmed

F. B. 3747 PG. 6

TO BOT. PG. 8

INDEX



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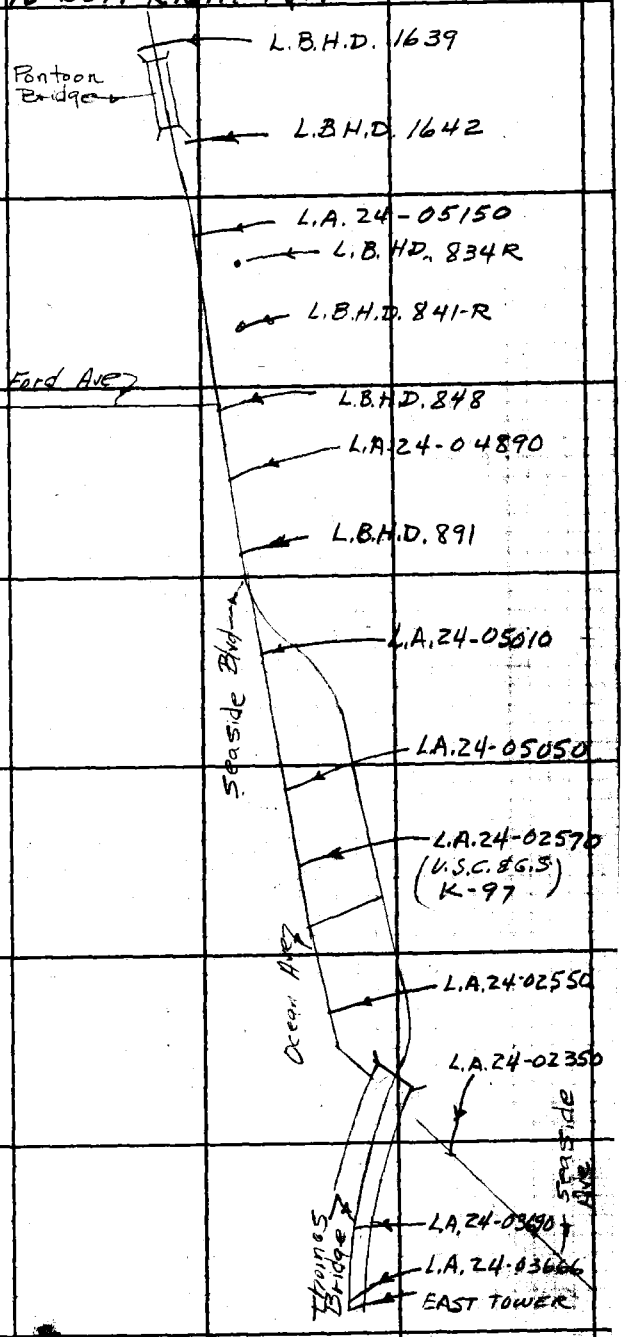
Notes Ck'd by
Map No.
Office Work
Checked
Date

Survey of Long Beach Precise Level Line
JN 0882-43 Tape Std °F
Surveyed by Dieter Voge
Notes Voge Date 9-20-65
Indexed C. J. GALLI

F. B. 3747 PG. 7

INDEX TO BOT. RIGHT Pg. 9



FROM RIGHT PG. 6

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76F3095 CE #310 6-62

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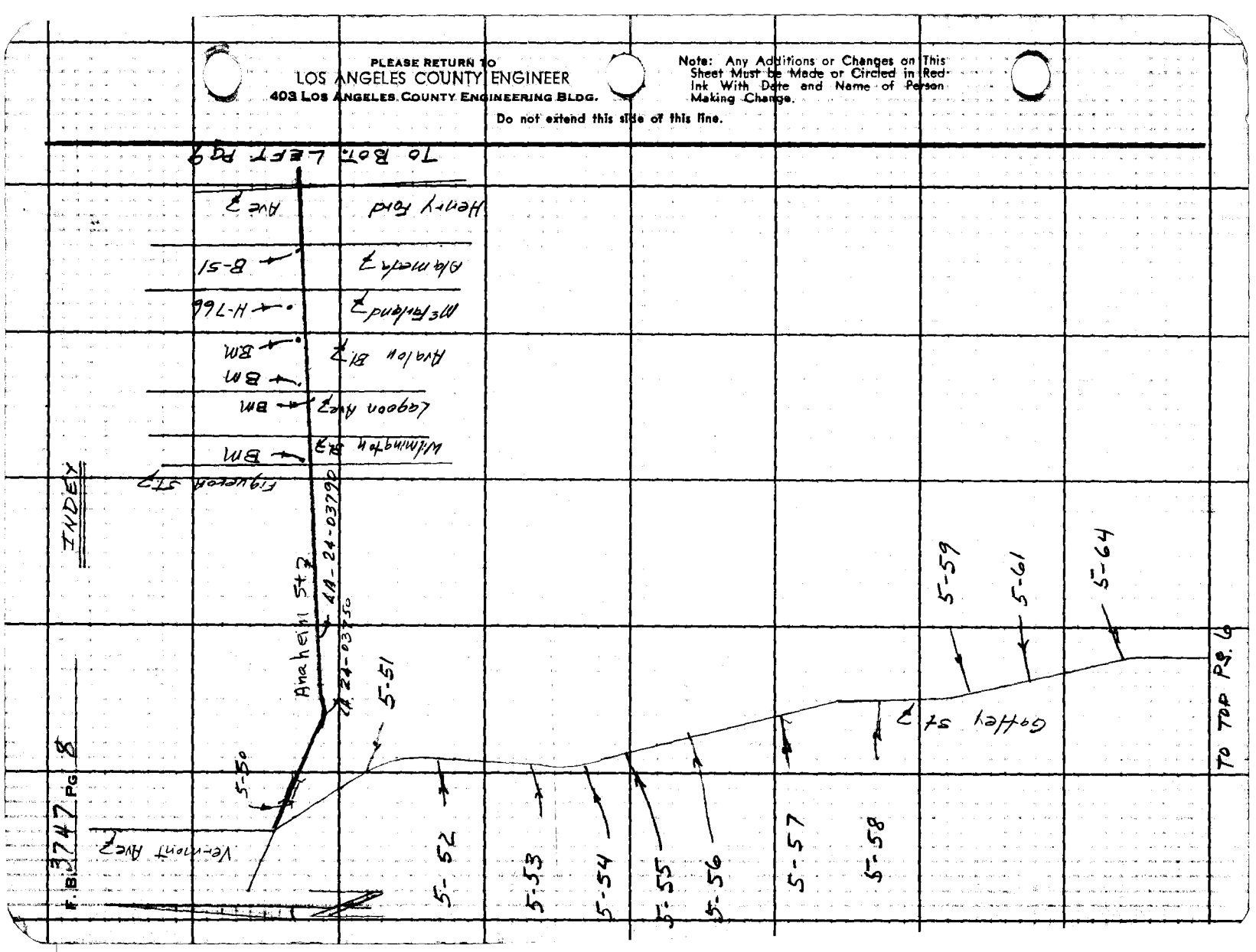
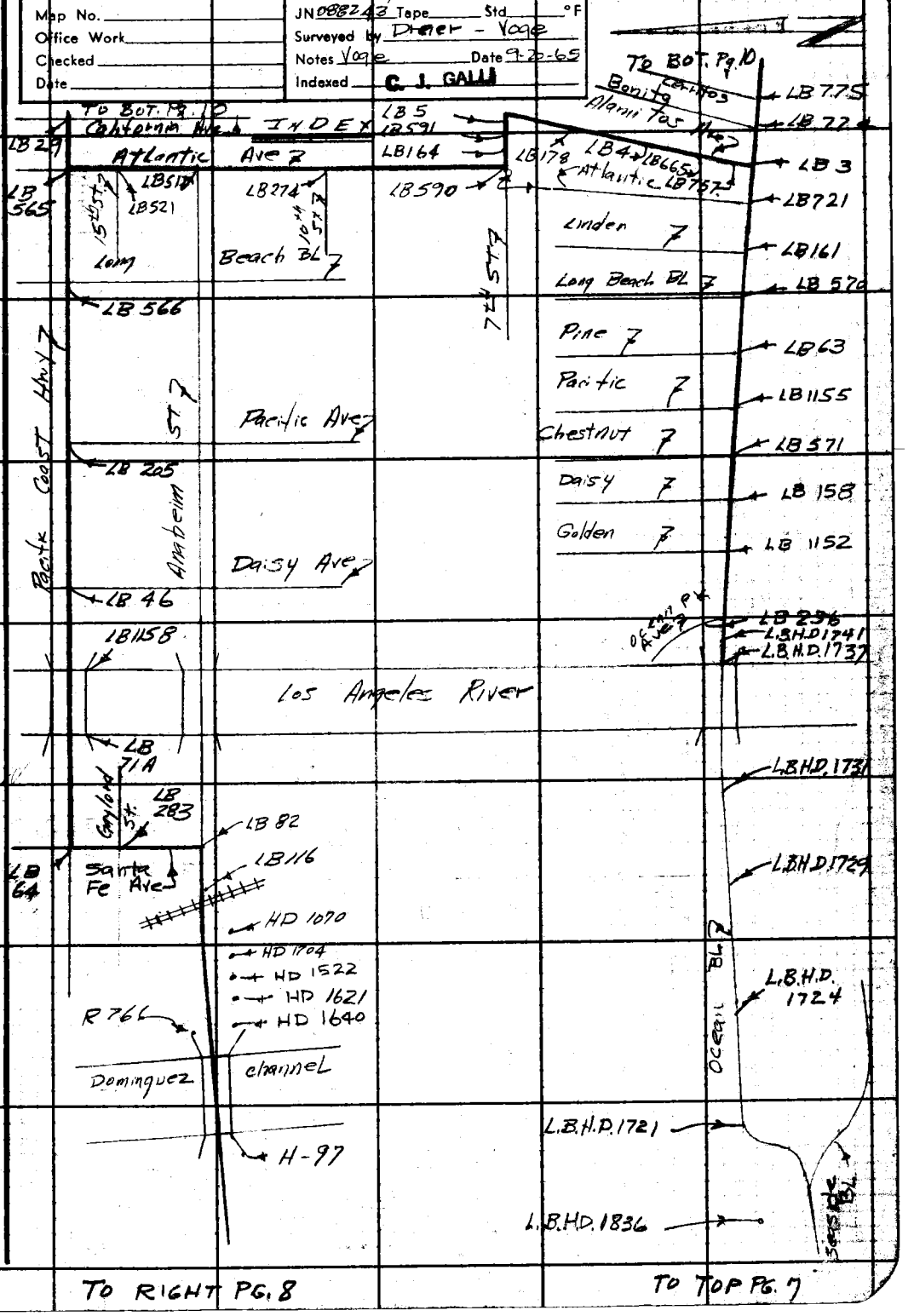


Notes Ck'd by	Survey of Long Beach Precise Level Sur
Map No.	JN 088243 Tape Std °F
Office Work	Surveyed by Dreier - Voge
Checked	Notes Voge Date 9-20-65
Date	Indexed C. J. GALLI

F. B. 3747 PG. 9



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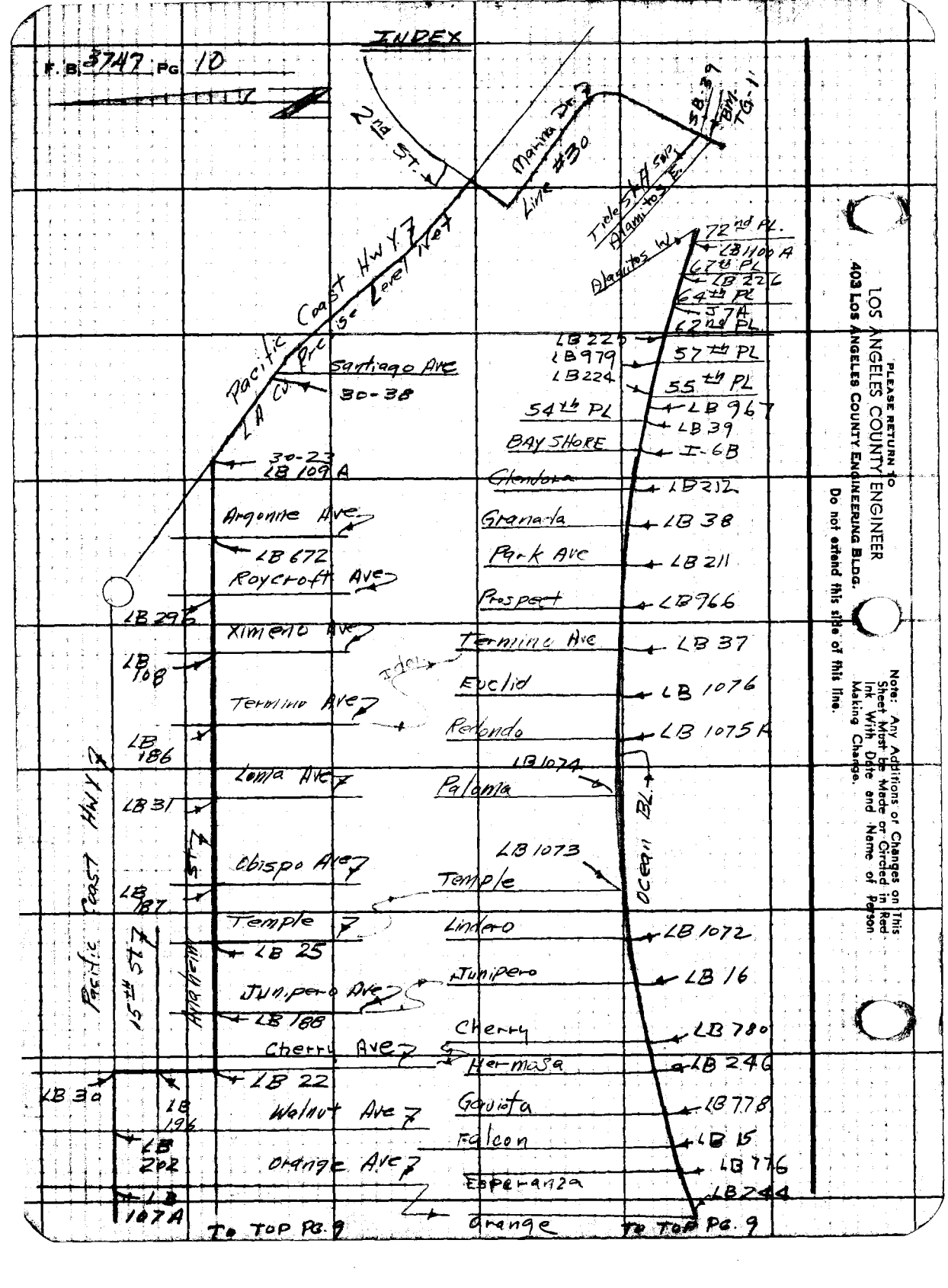
76F3095 CE #310 6-62

F.B. 3747 PG 10

INDEX



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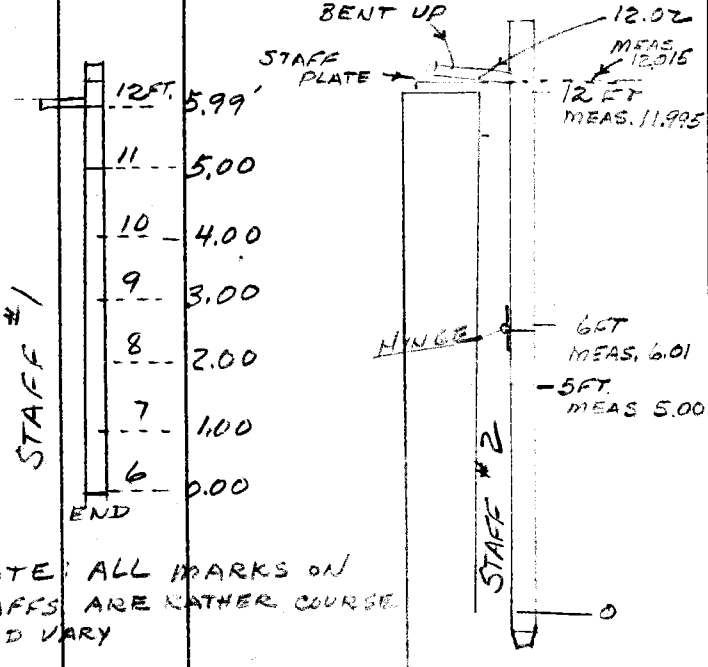
0882.43 LONG BEACH LEVEL LINES
JOB NO. ~~0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET~~
SURVEY BY G.E. DREIER WEATHER CLEAR WINDY INST. NO 26776
NOTES BY DREIER DATE 9-28-65 TIME 8:40 TO 8:45 ROD NO 2 & 10
INDEXED C. J. GALLI DATE NOTES CHKD DATE 10/11/65

F.B. 3747 Pg. 13

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM B.M. 5-74 TO B.M. STAFF PLATE
B.M. 5-74						296	B.M. 5-74 (TIDAL 8)
1	122 590	423 5	124 4 / 120	291 560	592 5	286 10	S'LY END PIER BERTH 60
							SEE F.B. 3701 - 167
						4	STAFF PLATE, 1¾" X 3½" BRASS
STAFF PLATE						14	PLATE AT TOP OF STAFF SLOT
	122 590			291 560			ON S'LY END OF PIER
				122 590			
				168 970			



NOTE: ALL MARKS ON STAFFS ARE RATHER COURSE AND VARY

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F.B. 3747 PG. 14

JOB NO. 0882.43

SURVEY OF LONG BEACH LEVELS

SURVEY BY DREIER NOTES DREIER 9-28-65

INDEXED C. J. GALLI DATE

WEATHER CLEAR-WINDY INST. NO. 96

TIME 8:45 TO 9:30 ROD NO. [illegible]

NOTES CHKD [illegible] DATE 10/11/65

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM STAFF PLATE TO B.M. 5-74
STAFF PLATE 1	291	738	592 5	296 286 10'	122	772	423 5	124 120 4'	STAFF PLATE 1¾" X 3½" BRASS PLATE AT TOP OF STAFF SLOT
B.M. 5-74								10'	B.M. 5-74 (TIDAL 8)
	291	738 ✓			122	772 ✓		14	S'LY END PIER
	122	772 ✓							SEE F.B. 3701-167
	168	966 ✓							

76P526 CE # 308 3-61

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JOB NO. 0882,43 LONG BEACH LEVELS
SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G.E. DREIER WEATHER CLEAR-WINDY INST. NO. 26776
NOTES BY DREIER DATE 9-28-65 TIME 9:00 TO 9:35 ROD NO. 2 & 19
INDEXED C. J. GALLI DATE NOTES CHKD DATE 10/11/65

F.B. 3747 Pg. 15

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM STAFF PLATE TO BM 5-73
STAFF PLATE									STAFF PLATE, 1¾ X 3½" BRASS
1	291	540	592 5	296 286 10	108	255	409 5	113 103 10	PLATE AT TOP OF STAFF SLOT
2	102	146	403 5	117 87 30 40	215	110	516 5	231 199 32 42	~~BM. 5-73 TIDAL 9~~
3	150	838	451 5	180 120 60 100	146	723	447 5	175 117 58 100	~~SEE F.B. 3701-165~~
4	138	123	439 5	165 111 54 154	146	492	447 5	173 119 54 154	
5	146	765	447 5	174 118 56 210	142	674	443 5	171 113 58 212	
6	146	373	447 5	176 116 60 270	143	166	444 5	174 112 62 274	
7	143	575	444 5	171 115 56 326	146	202	447 5	173 119 54 328	
8	154	690	455 5	183 126 57 383	152	920	453 5	180 125 55 383	
9	130	645	431 5	150 110 40 423	41	864	342 5	61 21 40 423 ✓	
BM 5-73								423 ✓ 846	B.M. 5-73 (TIDAL 9) SIGNAL ST. & 22ND ST. S.W. COR SEE F.B. 3701-165
	1404695 ✓				1243406 ✓				
	1243406 ✓								
	161289 ✓								

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F.B. 3747 PG. 16 JOB NO. 0882.43

SURVEY OF LONG BEACH LEVELS

SURVEY BY DREIER NOTES DREIER 9-28-65

INDEXED C. J. GALLI DATE

WEATHER HAZY SUN WINDY INST. NO.

TIME 2:12 TO 2:55 ROD NO.

NOTES CHKD DATE 10/14/65

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 5-73 TO STAFF PLATE
B.M. 5-73									B.M. 5-73 TIDAL 9 SIGNAL ST. & 22nd ST. S.W. COR SEE F.B. 3701-165
1	57	362	3585	84 30 54	164	443	4655	190 138 52	
2	156	403	4575	184 127 57 111	159	105	4605	188 130 58 110	
3	161	489	4625	191 131 60 171	162	027	4635	194 130 64 174	
4	157	638	4585	185 129 56 227	156	303	4575	184 128 56 230	
5	161	416	462.	187 135 52 279	148	478	4495	175 121 54 284	
6	148	620	4495	175 121 54 333	152	543	4535	180 124 56 340	
7	159	332	4605	184 134 50 383	148	730	4495	165 131 34 374	
8	196	213	4975	212 180 32 415	90	018	3915	111 69 42 416	
9	100 4 4	540 3 3	4014 5	105 95 10 425	278 5	587 34	5795	283 273 10 426 ✓	
STAFF PLATE								425 ✓	STAFF PLATE 5'LY END OF PIER BY B.M. 5-74
	1299013 ✓				460234 ✓			851 ✓	
					1299013 ✓				
					161221				

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0882.43 LONG BEACH LEVEL LINES

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

SURVEY BY DREIER WEATHER CLEAR, WINDY INST. NO. 26716

NOTES BY DREIER DATE 9-28-65 TIME 9:35 TO 9:40 ROD NO. 24.19

C. J. GALLI DATE NOTES CHKD. DATE 10/14/65

INDEXED

F.B. 3747 Pg. 17

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM B.M. 5-73 TO BM. 5-72
B.M. 5-73							B.M. 5-73 (TIDAL 9)
							SIGNAL ST & 22nd ST. S.W. COR
1	49 182	350 5	72 26 46	102 448	403 5	126 79 47	SEE F.B. 3701-165
B.M. 5-72						46	B.M. 5-72 (TIDAL 10)
	49 182	✓		102 448		93	SIGNAL ST N. OF 22nd ST
				+ 49 182			SEE F.B. 3701-163
				- 53 266			

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F.B. 3747 Pg. 18 JOB NO 0882.43
SURVEY OF Long Beach Level Lines
SURVEY BY Dreier NOTES Dreier 9-28-65
INDEXED C. J. Gall DATE

WEATHER Clear-Sun INST. NO 96716
TIME 2:00 TO 2:09 ROD NO 9419
NOTES CHKD [illegible] DATE 10/11/65

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM B.M. 5-72 TO B.M. 5-73
B.M. 5-72							
1	10 8 13	402 5	125 / 77 48	48 455	349 5	78 / 25 46	B.M. 5-72 (TIDAL 10) SIGNAL ST. N. of 22nd ST. SEE F.B. 3701-163
B.M. 5-73						48	
	10 8 13			48 455		94	B.M. 5-73 (TIDAL 9) SIGNAL ST. & 22nd ST. S.W. COR SEE F.B. 3701-165
	48 455						
	53 3 58						

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F.B. 3747 PG. 19

JOB NO. ~~0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET~~ 0882.43 LONG BEACH LEVEL LINES
SURVEY BY G.E. DREIER WEATHER CLEAR-WINDY INST. NO. 96716
NOTES BY DREIER DATE 9-28-65 TIME 9:40 TO ROD NO. 9 & 19
INDEXED C. J. GALLI DATE NOTES CHKD. [illegible] DATE 10/11/65

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM B.M. 5-72 TO B.M. 5-71
B.M. 5-72									B.M. 5-72 (TIDAL 10)
1	145	834	446 5	174 115 59	187	195	488 5	215 159 56	SIGNAL ST N. OF 22nd ST.
2	154	079	455 5	184 123 61 120	45	335	346 5	77 13 64 120	SEE F.B. 3701-~~165~~ 163
B.M. 5-71								120	B.M. 5-71 (TIDAL 11)
+	299	913			232	530		240	~~STG~~ 22nd ST. W. OF SIGNAL ST.
−	232	530							SEE F.B 3701-161
+	67	383							

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F.B. 3747 Pg. 20
JOB NO. 0882.43
SURVEY OF L.B. LEVEL LINES
SURVEY BY DREIER NOTES DREIER 8-29-45
INDEXED G. J. GALLI DATE
WEATHER HAZY SUN BREEZE INST. NO. 96716
TIME 1:45 TO 2:00 ROD NO. 2 & 19
NOTES CHKD. DATE 10/4/65

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM B.M. 5-71 TO B.M. 5-72
B.M. 5-71							B.m. 5-71 (TIDAL 11)
1	53 130	354 5	82 24 58	161 384	462 5	189 133 56	22nd. ST. WEST OF SIGNAL ST
							SEE F.B. 3701-161
2	180 057	481 5	212 149 63 121	339 186	440 5	170 108 62 118	
B.M. 5-72						121	B.M. 5-72 (TIDAL 12)
	233 187 ✓			300 570		239 ✓	SIGNAL ST. N. OF 22nd. ST.
				233 187 ✓			SEE F.B. 3701-163
				67 383			

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0882.43 LONG BEACH LEVEL LINES
JOB NO. ~~0901.02 SURVEY OF L.A. CO. PRECISE LEVEL NET~~
SURVEY BY G.E. DREIER WEATHER CLEAR - WINDY INST. NO 86716
NOTES BY G.E. DREIER DATE 9-28-65 TIME 9:50 TO 10:05 ROD NO. 2 & 17
INDEXED C. J. GALLI DATE NOTES CHKD DATE 10/11/65

F.B. 3747 Pg. 21

STATION	BACKSIGHT RIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
							FROM B.M. 5-71 TO B.M. 5-70
B.M. 5-71						173	B.M. 5-71 (TIDAL 11)
1	55 150	356 5	82 28 64	146 904	447 5	119 54	ST 22ND ST. W. OF SIGNAL ST
							SEE F.B. 3701-161
2	148 611	449 5	177 119 58 112	138 893	439 5	166 110 56 110	
3	143 257	444 5	170 117 53 165	116 084	417 5	143 88 55 165	
4	150 155	451 5	168 133 35 200	133 397 ✓	434 5	150 116 34 ✓ 199 200	B.M. 5-70 (TIDAL 12)
B.M. 5-70	497 173 ✓			− 53 5278 ✓		399	SIGNAL ST & SAMPSON WAY
				+ 497 173 ✓			SEE F.B. 3701-159
				− 38 105 ✓			

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F.B. 3747 Pg. 22 JOB NO. 0882.43

SURVEY OF L.B. LEVEL LINES 9-28 '65

SURVEY BY DREIER NOTES DREIER

INDEXED G. J. GALLI DATE

WEATHER CLEAR-WINDY INST. NO. 96716

TIME 3:25 TO 3:40 ROD NO. 2 & 9

NOTES CHKD DATE 10/11/65

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 5-70 TO B.M. 5-71
B.M. 5-70									B.M. 5-70 (TIDAL 12)
1	135	985	436	5 156 / 114 42	178	884	479	5 199 / 157 42	SIGNAL ST & SAMPSON WAY
									SEE F.B. 3701-159
2	136	736	437	5 162 / 110 52 / 94	135	367	436	5 161 / 110 51 / 93	
									↑ WILKS
3	138	163	439	5 162 / 114 48 / 142	149	477	450	5 173 / 125 48 / 141	
4	146	507	4475	174 / 118 56 / 198 ✓	55	547	356	5 83 / 26 57 / 198 ✓	
								198 ✓	
B.M. 5-71								396	B.M. 5-71 (TIDAL 11)
	557	391 ✓							22nd ST. W. OF SIGNAL ST
	519	275 ✓			519	275			SEE F.B. 3701-161
	38	116 ✓							

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JOB NO. 0882.43 LONG BEACH LEVEL LINES
SURVEY BY G.E. DREIER WEATHER CLEAR-WINDY INST. NO. 26716
NOTES BY G.E. DREIER DATE 9-28-65 TIME 10:10 TO ROD NO. 9 & 12
INDEXED C. J. GALLI DATE NOTES CHKD DATE 10/11/65
F.B. 3747 Pg. 23

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM B.M. 5-70 TO B.M. 5-69
B.M. 5-70							B.M. 5-70 (TIDAL 12)
1	92 544	393 5	123 61 62	146 772	447 5	177 115 62	SIGNAL ST & SAMPSON WAY
							SEE F.B. 3701-159
2	131 414	432 5	170 92 78 140	154 148	455 5	193 115 78 140	
3	149 711	450 5	162 136 26 166	88 061	TAPE	100 75 25 165	
						166	B.M. 5-69 (TIDAL 49)
B.M. 5-69	373 669			389 081		331	W. SIDE R.R. ON WALL
				373 669			SEE F.B. 3701-157
				15 412			

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F.B. 3747 PG. 24 JOB NO. 0882.43

SURVEY OF LONG BEACH LEVEL LINES

SURVEY BY: DREIER NOTES: DREIER 9-28-65

INDEXED C. J. GALLI DATE

WEATHER CLEAR-WINDY INST. NO. 96716

TIME 3:10 TO 3:25 ROD NO. 9 & 19

NOTES CHKD [illegible] DATE 10/11/65

STATION	BACKSIGHT RIGHT	MIC.	LEFT.	STADIA	FORESIGHT RIGHT	MIC.	LEFT.	STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 5-69 TO B.M. 5-70
B.M. 5-69									B.M. 5-69 (TIDAL 49) ON WALL
									SEE F.B. 3701-157
1	131	062	TAPE	35 / 27 / 8	164	440	465 5	168 / 160 / 8	
2	127	457	428 5	151 / 103 / 48 / 56	157	503	458 5	181 / 133 / 48 / 56	
3	172	305	473 5	195 / 149 / 46 / 102	181	445	482 5	204 / 158 / 46 / 102	
4	173	825	474 5	195 / 151 / 44 / 146	76	128	377 5	99 / 53 / 46 / 148	
5	101	911	402 5	112 / 90 / 22 / 168	111	536	412 5	121 / 101 / 20 / 168	
B.M. 5-70								168	B.M. 5-70 (TIDAL 12)
	+ 706 560				691 052			336	SIGNAL ST. & SAMPSON WAY
	− 691 052								SEE F.B. 3701-159
	+ 15 508								

76P526 CE # 308 3-61

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0892.43 L. B. LEVEL LINES

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

SURVEY BY G.E. DREIER WEATHER CLEAR - WINDY INST. NO. 8274

NOTES BY G.E. DREIER DATE 9-28-65 TIME 11:00 TO 11:12 ROD NO. 2 & 19

INDEXED G.J. GALLI DATE NOTES CHKD DATE 10/11/65

F.B. 3747 Pg. 25

STATION	BACKSIGHT RIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
							FROM B.M. 5-69 TO B.M. 5-68
B.M. 1	96629	~~8~~ TAPE	103 ~~100~~ 89 14	155 983	456 5	162 147 15	B.M. 5-69 (TIDAL 49) W. SIDE TRACKS ON WALL SEE F.B. 3701-157
2	133 518	434 5	168 98 70 84	142 384	443 5	177 107 70 85	
3	144 547	445 5	173 115 58 142	150 220	451 5	179 121 58 143	
4	153 4 128	455 5	171 137 34 176	49 957	350 5	65 33 32 175	
B.M 5-68						176	B.M. 5-68 (TIDAL 36)
	+ 528822			498544		351	N. END OF WALL W. OF TRACKS SEE F.B. 3701-155
	- 498 544						
	+ 30 278						

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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. 3747 PG. 26 JOB NO. 0882.43
SURVEY OF LONG BEACH LEVEL LINES
SURVEY BY DREIER NOTES DREIER 9-28-65
INDEXED C. J. GALLI DATE

WEATHER Sun. INST. NO. 96716
TIME 2:40 TO 3:06 ROD NO. 2 & 19
NOTES CHKD [illegible] DATE 10/11/65

STATION	BACKSIGHT RIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
							FROM B.M. 5-68 TO B.M. 5-69
B.M. 5-68			72			178	B.M. 5-68 (TIDAL 36)
1	56 781	357 5	40 32	161 218	462 5	144 34	N. END OF WALL
			173			170	SEE F.B. 3701-155
2	146 500	447 5	119 54	146 191	447 5	122 48	
			86			82	↑ WEATHER
			178			166	
3	153 530	454 5	128 50	139 530	440 5	112 54	
			136			136	
			148			133	
4	131 146	432 5	114 34	116 493	417 5	99 34	
			170			170	
			56			110	
5	152 200	453 5	48 8	107 995	TAPE	101 9	
			178			179 ✓	
						178	B.M. 5-69 (TIDAL 49)
B.M. 5-69						357 ✓	
	640 157 ✓			- 670 427 ✓			
				+ 640 157 ✓			
				- 30 270 ✓			

76P526 CE # 308 3-61

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

Do not extend notes this side of this line.

JOB NO. ~~0901.02 SURVEY OF L.A. CO. PRECISE LEVEL NET~~
SURVEY BY G.E. DREIER WEATHER CLEAR INST. NO. 26716
NOTES BY DREIER DATE 9-28-65 TIME 11:12 TO 11:50 ROD NO. 2 & 4
INDEXED G.J. GALLI DATE NOTES CHKD DATE 10/11/65

F.B. 3747 Pg. 27

STATION	BACKSIGHT RIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
							FROM B.M. 5-68 TO B.M. 5-67A
B.M. 5-68			67			170	B.M. 5-68 (TIDAL 36)
1	49 161	350 5	31 36	152 161	453 5	134 36	N. END OF WALL, W. OF TRACKS
							SEE F.B. 3701-157
2	146 643	447 5	175 117 58 94	102 662	403 5	133 71 62 98	
3	166 200	467 5	196 136 60 154	119 115	420 5	148 90 58 156	
4	209 419	510 5	237 181 56 210	131 898	4325	154 104 50 206	
5	160 999	461 5	191 130 61 271	153 575	454 5	184 121 63 269	
6	194 642	495 5	229 ~~495~~ 159 70 341	114 493	415 5	148 80 68 337	
7	191 611	492 5	213 169 44 385	188 342	489 5	219 157 62 399	
						385	B.M. 5-67A
B.M. 5-67A						~~784~~	HARBOR BLVD. & 2ND ST
	1118675 ✓			962246 ✓			SEE F.B. 3701-153
	962246 ✓						
	156429 ✓						

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Do not extend notes this side of this line.

F.B. 3747 Pg. 28 JOB NO. 0882.43

SURVEY OF LONG BEACH LEVEL LINES

SURVEY BY DREIER NOTES DREIER 9-28-65

INDEXED C. J. GALU DATE

WEATHER CLEAR-WINDY INST. NO. 26716

TIME 2:10 TO 2:40 ROD NO. 24 19

NOTES CHKD. DATE 10/11/65

STATION	BACKSIGHT RIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
							FROM B.M. 5-67A TO B.M. 5-68
B.M. 5-67A							B.M. 5-67A (TIDAL 36)
1	169 117	4705	194 / 143 51	165 979	466 5	192 / 138 54	~~N. END OF WALL~~ HARBOR BLVD. & 2ND. ST.
2	125 615	426 5	156 / 94 62 / 113	144 090	445 5	172 / 117 65 / 119	SEE F.B. 3701-153
3	82 208	383 5	115 / 48 67 / 180	160 380	461 5	198 / 123 75 / 194	T MATHER
4	123 065	424 5	155 / 91 64 / 244	201 561	502 5	227 / 175 52 / 246	
5	135 623	436 5	159 / 111 48 / 292	181 608	482 5	205 / 157 48 / 294	
6	116 254	417 5	144 / 88 56 / 348	159 356	460 5	186 / 132 54 / 348	
7	154 592	455 5	181 / 128 53 / 401	50 / ~~45~~ 009	351 5	175 / 250 50 / 398	
B.M. 5-68						401 / 799	B.M. 5-68 (TIDAL 36) N. END OF WALL SEE F.B. 3701-155
	906 474			− 1062 975			
				+ 906 474			
				− 156 501			

76P526 CE # 308 3-61

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JOB NO. ~~0301.02~~ 0882.43 LONG BEACH LEVEL LINE
SURVEY BY G.E. DREIER ~~SURVEY OF L.A. CO. PRECISE LEVEL NET~~
NOTES BY G.E. DREIER WEATHER CLEAR - WINDY INST. NO. 9676
C. J. GALLI DATE 9-28-65 TIME 1:00 TO 1:37 ROD NO. 9 & 19
INDEXED DATE NOTES CHKD DATE 10/11/65

F.B. 3747 PG. 29

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT MIC.		LEFT.	STADIA	RIGHT MIC.		LEFT.	STADIA	FROM B.M. 5-67A TO B.M. 5-66A
B.M. 5-67A									B.M. 5-67A
1	200	885	501 5	222 178 44	128	500	429 5	150 106 44	HARBOR BLVD. & 2ND ST.
					6				SEE F.B. 3701-153
2	160	705	461 5	190 131 59 103	142	965	447 5	176 116 60 104	
				167				194	↑ MATHER
3	141	770	442 5	115 52 155	169	842	470 5	144 50 154	
				166				204	
4	134	893	435 5	102 64 219	173	765	474 5	142 62 216	
				169				221	
5	141	682	442 5	113 56 275	192	382	493 5	163 58 274	
				185				197	
6	157	468	458 5	129 56 331	171	817	472 5	145 52 326	
				159				204	
7	133	640	434 5	107 52 383	175	351	476 5	146 58 384	
				142				118	
8	127	005	428 5	112 30 413	103	589	404 5	88 30 414 ✓	
B.M. 5-66A			✓					413	B.M. 5-66A (U.S.C. & G.S. F-970
	1198048				1262211		✓	827	HARBOR BLVD. & THOMAS BR.
					1198048		✓		SEE F.B. 3701-151
					64163		✓		

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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.

F.B. 3747 PG. 30
JOB NO. 0882.43
SURVEY OF LONG BEACH LEVEL LINES
SURVEY BY DREIER NOTES DREIER 9-28-65
INDEXED C. J. GALLI DATE
WEATHER CLEAR-WINDY INST. NO 967/6
TIME 1:37 TO 2:10 ROD NO. 1 & 19
NOTES CHKD. DATE 10/4/65

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M.5-66A TO B.M.5-67A
B.M.	99			14					B.M.5-66A (U.S.C.&G.S. F-970)
1	99	338	400 5	84a 30	103	235	404 5	118 88 30	HARBOR BLVD. & THOMAS BR.
									SEE F.B.3701-151
2	159	622	460 5	186 132 54	140	372	441 5	169 111 59	
				84				89	⊼ MATHER
3	166	828	467 5	195 137 58	145	570	446 5	174 117 57	
				142				146	
4	191	903	492 5	216 166 50	142	620	443 5	167 117 50	
				192				196	
5	164	587	465 5	192 136 56	134	782	435 5	161 107 54	
				248				250	
6	174	472	475 5	210 138 72	114	579	415 5	149 79 70	
				320				320	
7	123	857	424 5	149 97 52	166	319	461 5	195 137 58	
				372				378	
8	137	314	438 5	158 116 42	206	062	507 5	226 186 40	
				414				418	
								414	B.M.5-67A
B.M.5-67A	1217	921			1153	539		832	HARBOR BLVD. & 22nd ST.
	1153	539							SEE F.B.3701-153
	64	382							

76P526 CE # 308 3-61

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JOB NO. 0882.43 LONG BEACH LEVEL LINES
~~0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET~~
SURVEY BY G.E. DREIER WEATHER CLEAR-WINDY INST. NO. 26716
NOTES BY DREIER DATE 9-27-65 TIME 3:00 TO 3:10 ROD NO. 2 & 12
INDEXED DATE NOTES CHKD DATE 10/11/65

F.B. 3747 Pg. 31

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA		RIGHT MIC.	LEFT.	STADIA		FROM B.M. 5-66A TO B.M. 24-03535
B.M. 5-66A					143 752	444 5	146 140	6	B.M. 5-66A (U.S.C.&G.S. F-970)
1	70 512	371 5	73 67	6					HARBOR BLVD. & THOMAS BR.
									SEE F.B. 3701-151
2	152 668	453 5	181 124	57 63	171 850	472 5	199 143	56 62	
3	160 822	461 5	188 132	56 119	150 573	451 5	179 122	57 119	
4	123 000	424 5	145 101	44 163	42650	343 5	64 20	44 163	
B.M. 24-								163	B.M. 24-03535 (City L.A.)
	507 002 ✓			−	508 825 ✓			326	& BRIDGE PIER
03535				+	507 002 ✓				
				−	1 823 ✓				

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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. 24-03535 TO B.M. 5-66A
B.M. 24-03535									B.M. 24-03535 (CITY L.A) & THOMAS BR. PIER
1	59	683	360 5	69 49 20	159	240	460 5	169 148 21	
2	156	864	457 5	177 135 42 62	158	246	459 5	179 137 42 63	
3	147	197	448 5	178 116 62 124	115	082	416 5	146 84 62 125	
4	101	033	402 5	117 85 32 156	105	103	406 5	121 89 32 157	
5	152	577	453 5	154 149 5 161	77	864	378 5	79 74 5 162	
B.M. 5-66A								161	B.M. 5-66A (U.S.C.& G.S. F-570)
+	617	354			615	535		323	HARBOR BLVD. & THOMAS BR.
−	615	535							SEE F.B. 3701-151
+	1	819							

F.B. 3747 PG. 32

JOB NO. 0882.43

SURVEY OF LONG BEACH LEVEL LINES

SURVEY BY DREIER NOTES DREIER 9-27-65

INDEXED C. J. GALLY DATE

WEATHER CLEAR-WIND INST. NO. 96716

TIME 2:45 TO 3:00 ROD NO. 9 & 19

NOTES CHKD [signature] DATE 10/11/65

76P526 CE # 308 3-61

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0882.43 LONG BEACH LEVEL LINES

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

SURVEY BY G.E. DREIER WEATHER CLEAR-WINDY INST. NO. 26716

NOTES BY DREIER DATE 9-27-65 TIME 3:10 TO 3:25 ROD NO. 2 & 19

INDEXED C. J. GALLI DATE NOTES CHKD. DATE 10/11/65

F.B. 3747 PG. 33

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 24-03535 TO B.M. 24-03560
B.M. 24-03535									B.M. 24-03535 (CITY L.A. 1965) & THOMAS BR. PIER
1	81	317	382 5	94 68 26	160	995	461 5	172 147 25	
2	150	480	451 5	173 127 46 72	177	184	478 5	200 153 47 72	
3	138	296	439 5	152 124 28 100	182	247	483 5	197 167 30 102 ✓	
B.M. 24-03560			✓				✓	100 ✓	B.M. 24-03560 (CITY L.A.) STATE HWY MON.
	370	093			− 520	426		202	
					+ 370	093 ✓			
					− 150	333 ✓			

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 24-03560 TO B.M. 24-03535
B.M. 24-03560									B.M. 24-03560 (CITY L.A.) STATE Hwy. MON.
1	185	386	486 5	212 158 54	117	937	418 5	143 90 53	
2	143	396	444 5	163 123 40 94	133	287	434 5	154 112 42 95	
3	153	615	454 5	159 147 12 106	80	971	381 5	85 75 10 105	
B.M. 24-03535								106	B.M. 24-03535 (CITY L.A) & THOMAS BR PIER
+	482	397			332	195		211	
−	332	195							
+	150	202							

F.B. 3747 PG. 34

JOB NO. 0882.43

SURVEY OF LONG BEACH LEVEL LINES

SURVEY BY DREIER NOTES G.E. DREIER 9-27-65

INDEXED C. J. GALLI DATE

WEATHER WINDY SCAT CLOUDS

TIME 2:15 TO 2:35

NOTES CHKD [illegible] DATE 10/11/65

ROD NO. 9 & 10

INST. NO. 96716

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 24-03560 TO BM 24-03589
B.M. 24-03560									B.M. 24-03560 (CITY L.A.) STATE MON.
1	171	603	472 5	192 / 150 42	107	924	408 5	129 / 86 43	
2	74	339	375 5	92 / 57 35	122	500	423 5	140 / 104 36	
				77				79	
B.M. 24-03589								77	B.M. 24-03589 (CITY L.A.)
+	245	942			230	424		156	ON W. FACE OF WEST TOWER ABUT.
−	230	424							
+	15	518							

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF ~~L.A. CO. PRECISE LEVEL NET~~ LONG BEACH LEVEL LINES

SURVEY BY G.E. DREIER WEATHER WINDY SCAT. CLOUDS INST. NO. 96716

NOTES BY DREIER DATE 9-27-65 TIME 3:45 TO 3:55 ROD NO. 9 & 10

INDEXED C. J. GALLI DATE NOTES CHKD [illegible] DATE 10/11/65

F.B. 3747 PG. 35

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LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 24-03589 TO B.M. 24-03560
B.M. 24-03589									B.M. 24-03589 (CITY L.A.) W. FACE OF WEST TOWER ABUT.
1	115	813	METRIC TAPE	23 6 17	133	217	434 5	141 124 17	
2	164	946	465 5	188 140 48 65	133	156	434 5	157 109 48 65	
3	145	646	446 5	153 137 16 81	175	477	476 5	183 167 16 81	
B.M. 24-03560								81	B.M. 24-03560 (CITY L.A.) STATE HWY MON.
	426	405 ✓			441	850 ✓		162	
					426	405 ✓			
					15	445 ✓			

F.B. 3747 PG. 36

JOB NO. 0882.43

SURVEY OF LONG BEACH LEVEL LINE

SURVEY BY DREIER NOTES DREIER 9-27-65

INDEXED C. J. GALL DATE

WEATHER

TIME 2:00 TO 2:15

NOTES CHKD. [illegible]

INST. NO. 96716

ROD NO. 9819

DATE 10/11/65

76P526 CE # 308 3-61

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088243 LONG BEACH LEVEL LINE
JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G.E. DREIER WEATHER OVERCAST INST. NO 26116
NOTES BY G.E. DREIER DATE 9-27-65 TIME 11:30 TO 11:35 ROD NO 2E19
INDEXED G. J. GALL DATE NOTES CHKD DATE 10/11/65
F.B. 3747 Pg. 37

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM B.M. 24-03589 TO B.M. 24-03590
B.M. 24-03589	+					1	B.M. 24-03589 (CITY L.A., VERTICAL)
/	488 923	METRIC TAPE	3	153 086	4545	55-51+ 3+	TOWER WEST ABUTEMENT
						3	B.M. 24-03590 (CITY L.A.) STATE HWY MON.
B.M. 24-03590	+ 488 923			153 086		6	TOP OF WEST TOWER ABUTEMENT
	- 153 086						
	+ 335 837						

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STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 24-03590 TO B.M. 24-03589
B.M. 24-03590									B.M. 24-03590 (CITY L.A.)
1	161	890	462 5	164 158 6	497	683	METRIC TAPE	6	TOP WEST ABUTEMENT
B.M. 24-03589								6	B.M. 24-03589 CITY DISC, VERT.
	161	890			− 497	683		12	WEST SIDE, WEST TOWER ABUT.
					+ 161	890			
					− 335	793			

F.B. 3747 PG. 38

JOB NO. 0882.43

SURVEY OF LONG BEACH LEVEL LINES

SURVEY BY DREIER NOTES DREIER 9-27-65

INDEXED C. J. GALLI DATE

WEATHER OVERCAST INST. NO. 96716

TIME 11:35 TO 11:40 ROD NO. 9819

NOTES CHKD [illegible] DATE 10/11/65

76P526 CE # 308 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	~~RIGHT MIC.~~	~~LEFT.~~	~~STADIA~~	FROM BM (E) TO BM 24-03590 (W.)
BM (East)	162.586	463 5	164 160 4	Top	Level	Bottom	BM (East) California Division of Hwy. brass cap.
1.				44.2	30.5	07.2	
2.				41.7	28.4	07.1	
3.				41.5	27.0	05.0	
4.				40.4	26.4	04.8	~~Targets set on~~
5.				40.1	25.2	03.8	West Targets set
6.				38.8	24.7	03.7	on ~~#~~ 153.000 cm.
7.				39.2	24.0	03.4	& 168.000 cm
8.				38.8	24.3	03.2	
9.				38.4	23.8	02.8	
10.				38.0	23.4	02.5	
11.				38.2	23.2	02.0	
12.				37.7	23.0	02.4	
13.				37.8	23.3	02.2	
14.				37.8	23.7	02.7	
15.				38.0	23.1	02.2	
16.				38.1	23.2	02.1	
17.				37.9	23.0	02.0	
18.				37.2	23.2 ~~22.1~~	02.1	
19.				37.2	22.8	01.6	
20.				37.3	22.8	01.7	
21.				37.1	22.2	01.6	
22.				37.2	22.8	01.3	
23.				37.1	22.8	01.7	
24.				37.0	22.8	01.3	
25.				37.0	22.5	01.4	
26.				36.2	22.4	01.3	

JOB NO. ~~0801.02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ L.B. PRECISE LEVEL NET
SURVEY BY W. J. Voge
NOTES BY Voge DATE 9-29-65
INDEXED C. J. [illegible] DATE
WEATHER clear (Sunny) INST. NO. 25234
TIME 9:25 AM - 9:46 PM ROD NO. 9819X
NOTES CHKD [illegible] DATE 10/5/65

F.B. 3747 PG. 39

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.

STATION	BACKSIGHT				FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA		~~RIGHT~~ MIC.	~~LEFT.~~	~~STADIA~~	FROM BM E TO BM 24-03590W.
					Top	Level	Bottom	
27.					35.8	21.9	01.1	
			Sum =		1035.7 ✓	646.3 ✓	74.2 ✓	
			Mean =		~~38.4~~ ✓	~~23.9~~	02.748 ✓	
					38.359	23.937 ✓		

F.B. 3747 PG. 40

JOB NO. 0882.43

SURVEY OF L.B. Precise Level Sur.

SURVEY BY Voge NOTES Voge

INDEXED C. J. GALLI DATE

WEATHER Sunny (Clear) INST. NO. 25234

TIME 9:23 - 9:46 AM ROD NO. 9-19

NOTES CHKD. [illegible] DATE 10/5/65

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. ~~0301.02~~ 0882.43 LONG BEACH LEVEL LINE ~~SURVEY OF L.A. CO. PRECISE LEVEL NET~~
SURVEY BY G.E. DREIER
NOTES BY DREIER DATE 9-29-65
INDEXED C. J. GALLI DATE
WEATHER HAZY SUN
TIME 9:21 TO 9:44
NOTES CHKD. [illegible] DATE 10/5/65
INST. NO. 96716
ROD NO. 9819
F.B. 3747 PG. 41

STATION	BACKSIGHT RIGHT	MIC.	LEFT.	STADIA	FORESIGHT ~~RIGHT~~	~~MIC.~~	~~LEFT.~~	~~STADIA~~	DESCRIPTION AND REMARKS FROM WEST B.M. 24-03590 TO EAST B.M. ~~24~~
B.M. 24-03590						TOP	LEVEL	BOTTOM	WEST SIDE
1	161	430	4625	163 159 4	1.	45.1	35.4	17.4	TOP TARGET 1.680
					2	48.2	37 3	17.5	
					3	47.8	37 7	18.0	BOTTOM TARGET 1.530
					4	48 8	38 4	18.6	
					5	48 9	38 3	18 9	OBSERVER - WILKS
					6	48 6	38 7	18 7	
					7	48 9	38 7	20 7	
					8	49 7	38 6	20 3	
					9	49 3	38 5	20 3	1/2 STADIA 230 METERS
					10	49 6	38 4	20 4	
					11	49 8	38 2	19 6	
					12	49 0	37 8	19 6	
					13	48 7	37 7	19 2	
					14	48 8	37 1	19 2	
					15	48 8	37 2	19 3	
					16	48 4	36 8	19 2	
					17	48 6	37 3	19 3	
					18	48 7	37 2	19 3	
					19	48 8	37 8	19 3	
					20	48 7	37 7	19 2	
					21	49 1	37 7	19 0	
					22	48 3	37 6	18 7	
					23	48.6	37.9	19.3	
					24	48.3	37.6	19.2	
					25	48.7	37 7	19 2	
				SUM		1216.2	943.3	479.4	
				Mean		48.~~6~~48	37.732	~~19.2~~ 19.176	

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. NO. 26176 ROD NO. 2819 DATE 10/5/65

WEATHER HAZY SUN TIME 10:25 TO 10:45 NOTES CHKD [illegible]

F.B. 3717 PG. 42 JOB NO. 08243

SURVEY OF LONG BEACH LEVEL LINE

SURVEY BY DREIER NOTES DREIER 9-29-65

INDEXED C. J. GALLI DATE

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT — MIC.	LEFT.	STADIA		RIGHT. MIC.	LEFT.	STADIA		FROM EAST TO WEST B.M. 24-03590
B.M. EAST TOWER				TOP	LEVEL	BOTTOM			EAST TOWER
1	162 490	463.6 164 160	1	383	278	5.3			TOP TARGET 1.68.000 CM METER
		4	2	381	282	4.9			
			3	378	279	48			BOTTOM TARGET 1.55.000
			4	381	278	43			
			5	378	268	48			
			6	377	273	48			
			7	377	275	52			
			8	380	277	49			
			9	383	273	49			
			10	382	278	53			
			11	381	274	52			
			12	389	276	56			
			13	382	273	55			
			14	392	274	55			
			15	387	272	58			
			16	394	276	58			
			17	390	272	59			
			18	387	279	59			
			19	383	274	57			
			20	388	277	55			
			21	392	275	63			
			22	392	281	58			
			23	385	276	60			
			24	393	272	50			
			25	376	274	52			
	162 489	463 5 168		961.1	688.6	133.9		=	Sum
		4		~~38.44~~	27.544	~~5.4~~		=	Mean
				38.444		05.356			

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. ~~0301.02~~ 0881.43 SURVEY OF ~~L.A. CO.~~ L.B. PRECISE LEVEL NET

SURVEY BY W. J. Vogel

NOTES BY Vogel DATE 9-29-65

INDEXED C. J. GALLI DATE

WEATHER Sunny (clear) INST. NO. 75234

TIME 10:25 AM - 10:46 AM ROD NO. [illegible]

NOTES CHKD. [illegible] DATE 10/5/6[illegible]

F.B. 3747 PG. 43

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	~~LEFT.~~	~~STADIA~~	FROM BM 24-03590W TO BM E
BM24-03590 West				TOP	Level	Bottom	BM West
1.				38.3	22.3	08.8	
2.				38.5	23.7	07.3	
3.				39.3	23.3	08.3	
4.				38.5	23.5	07.8	
5.				38.7	22.7	08.3	
6.				38.5	23.1 ~~[illegible]~~	07.5	East Targets set
7.				38.7	22.7	07.9	on ~~155 cm & 168 cm~~
8.				38.1	22.7	07.3	155.000 cm &
9.				38.0	21.3	07.1	168.000 cm
10.				38.0	20.7	06.9	
11.				38.1	22.3	08.1	
12.				38.1	21.5	07.9	
13.				38.7	21.9	07.3	
14.				37.5	22.3	07.5	
15.				38.5	22.3	07.9	
16.				37.5	22.3	06.9	
17.				38.3	21.7	07.3	
18.				37.8	21.7	07.3	
19.				38.5	22.0	08.1	
20.				38.7	23.3	07.1	
21.				38.3	22.7	08.1	
22.				37.8	22.3	07.7	
23.				37.8	21.8	08.3	
24.				39.0	21.9	06.9	
25.				38.7	22.5	07.5	
		Sum	=	957.9	558.5	~~[illegible]~~ 191.1	
		Mean	=	38.316	22.340	7644	

F.B. 3747 PG. 44 JOB NO. 0882.43

SURVEY OF L.B. Precise Level Sur.

SURVEY BY Voge NOTES Voge

INDEXED C. J. GALLI DATE

WEATHER Sunny (clear) INST. NO. 75234

TIME ROD NO. 9-19

NOTES CHKD. DATE

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	~~RIGHT MIC.~~	~~LEFT.~~	~~STADIA~~	FROM [illegible] TO [illegible]
~~1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21.~~				Top	Level	Bottom	

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

0882.43 LONG BEACH LEVEL LINE
JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY DREIER WEATHER HAZY SUN INST. NO. 96716
NOTES BY WILKS DATE 9-29-65 TIME 10:45 - 11:10 ROD NO. 96119
INDEXED C. J. GALLI DATE NOTES CHKD DATE 10/12/65

F.B. 3747 Pg. 45

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM EAST TO WEST B.M. 24-03590
			TOP	LEVEL	BOTTOM		EAST
		1	39.8	~~23.0~~ 28.0?	05 7		TOP TARGET 1.68.000 CM
		2	39.3	27.1	07 0		
		3	39.5	27.1	05 5		BOTTOM TARGET 1.55.000 CM
		4	38.8	27.0	06 0		
		5	39.4	26.8	06 1		
		6	38.5	27.0	05 7		
		7	39.0	26.9	05 2		
		8	38.9	27.0	05 0		
		9	38.3	27.0	05 2		
		10	38.6	26.7	04 9		
		11	38.3	26.6	04 7		
		12	38.0	26.6	05 0		
		13	38.3	27.0	05 1		
		14	38.6	26.3	04 9		
		15	38.7	26.8	04 9		
		16	38.4	26.9	05 0		
		17	38.9	26.8	04 9		
		18	38.1	26.8	05 0		
		19	38.7	26.5	04 9		
		20	38.1	26.8	051		
		21	39.5	26.9	052		
		22	38.9	27.1	05 0		
		23	38.7	26.8	05 3		
		24	38.6	27.0	05 0		
		25	38.9	27.1	051		
	Sum =		968.8 ✓	672.6 ✓	131.4 ✓		
	Mean =		~~38.8~~ 38.752	26.904	~~5.3~~ 05.256 ✓		

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 5771 Pg. 46 JOB NO. 0882.43
SURVEY OF CITY L.B. LEVEL LINE
SURVEY BY G.F.D. NOTES D.L.W. 9-29-65
INDEXED O. J. GALLI DATE

WEATHER HAZY SUN/ INST. NO. 26716
TIME 11:32 - 11:50 ROD NO. 9 & 19
NOTES CHKD DATE 10/5/65

BREEZE

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 24-03590 WEST TO EAST
						Top	LEVEL	Bottom	
					1	42.5	379	180	WEST
					2	~~37.3~~ 47.3	382	186	
					3	47.8	387	189	TOP TARGET 1.68000 cm METERS
					4	48.1	383	187	
					5	47.7	384	186	BOTTOM TARGET 1.53000 "
					6	47.9	381	188	
					7	47.8	380	181	
					8	47.4	380	182	
					9	47.6	380	187	
					10	48.0	382	188	
					11	47.6	382	188	
					12	48.5	379	192	
					13	48.3	380	190	
					14	48.0	378	185	
					15	48.0	375	187	
					16	47.3	375	187	
					17	48.7	380	191	
					18	48.1	373	189	
					19	48.0	379	187	
					20	48.4	376	185	
					21	48.0	380	188	
					22	47.8	386	190	
					23	47.9	378	187	
					24	47.8	380	190	
					25	48.3	380	187	
	161	421	462	5	159 / 163		4		
						1192.7	949.9	467.7	= ~~Rd~~ Sum
						47.708	~~38.0~~ 37.996	18.708	= Mean

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

[illegible]: ANY ADDITIONS OR CHANGES [illegible] HIS SHEET MUST BE MADE OR CH[illegible]LED 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 W J Voge

NOTES BY Voge DATE 9-29-65

INDEXED C. J. GALLI DATE

WEATHER Sunny (Clear) INST. NO. 75234

TIME 10:46 AM-11:10 AM ROD NO. [illegible]

NOTES CHKD [illegible] DATE 10/5/65

F.B. 3747 PG. 47

STATION	BACKSIGHT				FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	~~RIGHT~~	~~MIC.~~	~~LEFT.~~	~~STADIA~~	FROM BM 24-03590 W TO BM E
BM24-03590 West	161	413	462 5	163 159 4	Top		Level	Bottom	BM 24-03590 West
1.					39.1		23.5	08.3	
2.					39.1		22.7	07.7	
3.					38.7		22.7	08.5	
4.					39.1		23.7	08.7	
5.					38.7		23.5	08.5	
6.					38.7		23.0	08.2	
7.					38.7		22.5	07.7	East targets set
8.					38.3		22.5	07.0	on 155.000 cm.
9.					38.0		21.7	07.3	& 118.000 cm.
10.					37.5		22.3	07.3	
11.					37.7		22.5	07.3	
12.					38.3		21.7	07.0	
13.					37.7		22.7	07.3	
14.					37.7		21.5	06.5	
15.					37.3		21.5	06.8	
16.					37.5		22.3	07.3	
17.					38.3		22.1	07.7	
18.					38.3		22.1	08.1	
19.					38.3		22.3	07.7	
20.					38.5		22.7	07.5	
21.					38.3		21.8	07.5	
22					38.2		22.3	07.3	
23					38.3		22.7	07.3	
24					37.7		22.3	07.3	
25					37.7		22.3	07.0	(over)
				~~Sum~~	~~[illegible]~~		~~[illegible]~~		
				~~Mean~~	~~38.2~~		~~22.4~~		

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. NO. 75234 ROD NO. 9-19 DATE 10/5/65

WEATHER Sunny (Clear) TIME 10:45 - 11:10 am NOTES CHKD [illegible]

F.B. 3717 Pg. 48 JOB NO. 0882 43

SURVEY OF L.B. Recse Level 1/67

SURVEY BY Voge NOTES Voge

INDEXED [illegible] DATE

STATION	BACKSIGHT				FORESIGHT			DESCRIPTION AND REMARKS
	~~RIGHT~~ MIC.	LEFT.	STADIA		~~RIGHT~~ MIC.	~~LEFT~~	STADIA	FROM BM 24-0359 W TO BM E
					Top	Level	Bottom	
26					38.3	22.3	07.5	
27					38.3	21.5	07.7	
28					38.3	21.7	07.0	
29					38.0	21.7	07.0	
30					37.5	21.5	07.0	
31					37.3	21.3	06.3	
~~28~~			Sum +		1183.4 ✓	690.9 ✓	231.3 ✓	
			Mean +		~~38.2~~ ✓	~~22.3~~ ✓	~~07.5~~ ✓	
					38.174	22.287	07.461	

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible]ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	~~STADIA~~	~~RIGHT MIC.~~	~~LEFT.~~	~~STADIA~~	FROM BM E. TO BM24-03590W.
BM (EAST)	~~167 195~~	~~1635~~	~~164 160~~ +	TOP	LEVEL	Bottom	BM ~~[illegible]~~ (EAST) California Div. of Hwy. brass cap mon.
1				45 0	28 7	10 3	
2				45 7	29 1	10 3	
3				45 5	29 4	10 7	
4				46 3	29 5	11 0	
5				46 9	29 8	10 9	
6				45 9	29 8	10 7	
7				45 9	29 9	10 8	
8				45 9	29 9	10 7	West targets set
9				45 8	30 0	11 1	on 153.000 cm
10				46 1	30 3	11 7	& 168.000 cm.
11				47 5	30 2	11 4	
12				46 5	30 1	10 8	
13				46 3	29 8	10 8	
14				45 9	29 5	10 5	
15				45 9	29 9	10 5	
16				45 8	29 8	10 6	
17				46 2	29 8	11 8	
18				46 8	30 1	10 8	
19				47 1	29 8	10 4	
20				45 8	29 8	10 7	
21				46 0	30 1	10 5	
22				45 9	30 1	11 0	
23				46 2	30 3	11 3	
24				46 7	30 8	11 7	
25				46 7	30 4	12 1	

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ LB. PRECISE LEVEL NET

SURVEY BY W. J. Vogue

NOTES BY M. Bustrum DATE 9-29-65

INDEXED C. J. GALLI DATE

WEATHER Clear Sunny INST. NO. 75234

TIME 11:32 - 11:57 ROD NO. 9-19

NOTES CHKD [illegible] DATE 10/5/65

F.B. 3747 PG. 49

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 3747 PG. 50 JOB NO. 08882.43

SURVEY OF Long Beach Precise Level Sec.

SURVEY BY W. Vogue NOTES ON TRUSTEM

INDEXED C. J. CALL DATE

WEATHER Clear INST. NO. 75234

TIME 11:32 - 11:57 ROD NO. E-19

NOTES CHKD. DATE 10/4/65

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	~~RIGHT MIC.~~ TOP	~~LEFT.~~ LEVEL	~~STADIA.~~ BOTTOM	FROM BM E. TO BM 24-039 ON.
26				46 5	30 3	11 1	
27				46 1	30 2	11 7	
28				46 1	30 3	11 1	
	162.495	4635	164 / 160 4				
		Sum	=	1293.0 ✓	837.7 ✓	306.8 70	
		Mean	=	~~46.2~~	29.918	10.954	
				46.179 ✓			

76P526 CE # 308 3-61

PLEASE RETURN TO

L ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

E: ANY ADDITIONS OR CHANGES HIS SHEET MUST BE MADE OR LED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

JOB NO. ~~030102~~ 088243 SURVEY OF ~~L.A. CO.~~ L.B. PRECISE LEVEL NET

SURVEY BY W. J. Vogel DATE 9-30-65

NOTES BY C. J. GALLI DATE

INDEXED

WEATHER Sunny - Smog 80°F

TIME 9:10 TO 9:27 INST. NO. 75234

ROD NO. 9-19

NOTES CHKD [illegible] DATE 10/5/65

F.B. 3747 PG. 51

STATION	BACKSIGHT				FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	~~RIGHT~~	~~MIC.~~	~~LEFT.~~	~~STADIA~~	FROM BM (E) TO BM 24-03590 (W)
BM (East)	162	603	463	5	164 160	4	TOP	Level	Bottom	BM (East) California Division of Hwys. brass cap mon.
1.					44	7	283	085	
2.					44	5	272	083	
3.					43	3	275	073	
4.					43	5	263	075	
5.					42	5	257	065	West targets set
6.					42	3	263	057	on
7.					41	5	257	057	153.000 cm
8.					41	7	265	055	& 168.000 cm
9.					41	3	257	057	
10.					41	3	258	053	
11.					41	0	253	050	
12.					40	7	257	053	
13.					40	7	253	049	
14.					40	5	255	055	
15.					41	0	257	060	
16.					40	7	265	059	
17.					42	0	267	067	
18.					41	5	267	065	
19.					42	7	260	057	
20.					42	7	263	068	
21					42	3	273	067	
22					41	7	263	063	
23					41	5	267	063	
24					41	7	263	065	
25					41	5	260	055	

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 75231 ROD NO. 9-19 DATE 10/5/65

WEATHER _____ TIME _____ NOTES CHKD. [illegible]

F.B. 3717 PG. 52 JOB NO. 2882.43

SURVEY OF Long Beach Precise Level Surv.

SURVEY BY Yoke NOTES Yoke

INDEXED [illegible] DATE _____

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	~~RIGHT MIC.~~	~~LEFT.~~	~~STADIA~~	FROM BM1 (E) TO BM 24-6350 (W)
				Top	Level	Bottom	
			Sum =	1048.8 32	657.3	155.6	
			Mean =	41.980	26.292	06.224	

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. 0882.43 LONG BEACH LEVEL LINES V15B - Poor
SURVEY BY DREIER WEATHER HAZY SUN INST. NO. 36716
NOTES BY DREIER DATE 9-30-65 TIME 7:10 TO 9:27 ROD NO. 2819
INDEXED C. J. GALLI DATE NOTES CHKD [illegible] DATE 10/5/65

F.B. 3717 PG. 53

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM WEST TO EAST
B.M. 24-						TOP	LEVEL	BOTTOM	
1	161	141	462 5	163 4 / 159	1	449	318	153	
					2	450	322	149	
					3	448	324	144	WEST TOWER
					4	453	325	149	
					5	448	325	160	TOP TARGET 168.000 cm
					6	443	324	150	
					7	445	326	145	BOTTOM TARGET 153.00
					8	447	323	140	
					9	445	325	152	
					10	453	327	146	↑ WILKS
					11	447	328	149	
					12	444	325	143	
					13	443	322	141	
					14	441	333	148	
					15	438	326	147	
					16	441	318	146	
					17	440	324	138	
					18	438	322	142	
					19	440	323	146	
					20	430	322	140	
					21	432	316	136	
					22	426	312	135	
					23	428	309	125	
					24	424	314	136	
					25	428	313	133	
				E		1102.1	804.6	359.3	
				MEAN		44.084	32.184	14.372	

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 3717 PG. 54 JOB NO. 0882.43

SURVEY OF Long Beach Level Lines

SURVEY BY: DREIER NOTES DREIER

INDEXED DATE

WEATHER Hazy Sun INST. NO. 76716

TIME 9:52 TO 10:10 ROD NO. 9 & 19

NOTES CHKD. DATE 10/15/62

STATION	BACKSIGHT			FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA		RIGHT MIC.	LEFT.	STADIA	FROM EAST TO WEST
					TOP	LEVEL	BOTTOM	(2nd 25)
1K				1	351	227	2.4	
				2	354	226	17	EAST
				3	356	221	21	
				4	351	219	16	TAP TARGET 168.000 cm.
				5	344	217	17	
				6	349	218	17	Bottom 155.000
				7	352	218	15	
				8	336	212	13	
				9	329	214	03	
				10	359	210	02	
				11	33.1	202	026	
				12	33.6	200	09	
				13	337	198	04	
				14	340	196	03	
				15	341	194	09	
				16	350	194	07	
				17	368	192	21	
				18	355	191	27	
				19	342	193	19	
				20	33.7	19.4	0.8	
				21	365	193	25	
				22	358	18.8	42	
				23	395	191	49	
				24	337	188	47	
				25	314	187	-09	
	1/462 500	463 5	164/160	4	968.1 ✓	508.3 ✓	43.2	
		Sum		MEAN	34.724	20.332	1.728	

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ LB PRECISE LEVEL NET

SURVEY BY W. VOGUE DATE 9-30-65 WEATHER HOT-SMOGY T=90° INST. NO. 75234

NOTES BY M. BUSTRUM DATE 9-30-65 TIME 9:52 - 10:10 ROD NO. 9-19

INDEXED C. J. GALLI DATE NOTES CHKD [illegible] DATE 10/5/65

F.B. 3747 PG. 55

STATION	BACKSIGHT				FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	~~RIGHT MIC.~~	~~LEFT.~~	~~STADIA~~		FROM ~~BM 24-03590~~ (W) TO BM. (E)
BM 24-03590 West.				Top	Level	Bottom		BM 24-03590 (West)
1.				46 8	29 6	17 5		
2.				47 1	29 0	17 7		
3.				45 0	29 0	17 3		
4.				45 5	28 4	16 3		
5.				44 8	28 4	16 3		
6.				45 5	27 8	16 2		
7.				46 0	27 9	16 9		
8.				45 5	28 2	16 1		East Targets
9.				44 9	28 2	15 7		
10				44 7	28 1	15 4		Set on
11				45 6	28 0	15 0		
12				44 6	26 8	16 1		168.000 cm
13				44 3	25 8	15 5		& 155.000 cm
14				44 8	26 7	15 4		
15.				43 3	25 8	14 0		
16.				41 8	26 1	14 0		
17.				44 2	26 5	14 7		
18.				44 5	26 3	14 4		
19.				43 2	26 8	15 1		
20.				46 2	27 0	17 8		
21				47 1	27 4	15 2		
22				44 6	26 0	15 1		
23				47 1	26 9	17 4		
24				47 1	27 2	15 4		
25				43 8	27 2	15 3		
26.				45 3	28 1	15 1		

F.B. 3747 Pg. 56 JOB NO. 0882.43

SURVEY OF Long Beach Precise Level Sur.

SURVEY BY Voge NOTES Voge

INDEXED C. J. GALLI DATE

WEATHER INST. NO. 75234

TIME ROD NO. 9-19

NOTES CHKD. [illegible] DATE 10/5/65

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LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	~~RIGHT MIC.~~	~~LEFT.~~	~~STADIA~~	FROM BM 21-0359C TO BM (E)
				Top	Level	Bottom	
			Sum =	1173.3	713.2	410.6	
			Mean =	45.127	27.431	~~410~~ 15.792	

76P526 CE # 308 3-61

PLEASE RETURN TO

L ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. ~~0301.02~~ 0382.43 SURVEY OF ~~L.A. CO.~~ LB PRECISE LEVEL NET

SURVEY BY W. J. Voge DATE 9-30-65 WEATHER Cledr TIME 10:17 - 10:34 INST. NO. 15234

NOTES BY Bustrow DATE 9-30-65 ROD NO. 9-19

INDEXED C. J. GALLI DATE NOTES CHKD [illegible] DATE 10/5/65

F.B. 3747 PG. 57

T=90°

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT ~~RIGHT~~	FORESIGHT ~~MIC.~~	FORESIGHT ~~LEFT.~~	FORESIGHT ~~STADIA~~	DESCRIPTION AND REMARKS FROM BM 24-03590 (W) TO BM (E)
BM 24-03590					TOP		LEVEL	Bottom	BM 24-03590 (West)
WEST	161	286	4625	163 159 4					
26					41	2	25 1	12 6	
27					41	8	25 8	11 8	
28					40	2	25 5	11 8	
29					40	5	25 6	11 3	
30					40	4	25 7	11 0	
31					39	7	25 6	11 1	Targets on East
32					40	1	25 3	11 2	Side set on
33					40	6	25 9	13 7	
34					43	8	27 8	16 5	168.000 cm
35					44	3	27 2	14 2	& 155.000 cm.
36					42	9	26 8	12 9	
37					41	1	26 2	11 8	
38					39	5	25 8	11 5	
39					39	3	26 2	11 7	
40 =15					40	3	26 8	12 2	
41					40	2	27 4	12 2	
42					41	3	27 8	12 5	
43					41	1	27 7	12 8	
44					41	6	27 5	12 0	
45 20					41	7	28 8	14 1	
46					43	1	29 1	14 2	
47					42	2	29 1	14 0	
48					43	2	29 2	13 8	
49					42	8	29 2	14 3	
50					43	0	29 2	14 2	

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 75234
ROD NO. 19-9
DATE 11/15/65
WEATHER
TIME
NOTES CHKD. [illegible]

F.B. 3747 PG. 58
JOB NO. 0882.43
SURVEY OF LB Precise Level Sur
SURVEY BY Vogt NOTES Bottom
INDEXED C. J. GALLI DATE

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	~~RIGHT MIC.~~	~~LEFT.~~	~~STADIA~~	FROM BM 24-03590 TO BM (E)
				TOP	Level	Bottom	
			Sum =	1035.9 ✓	676.3 ✓	319.4 ✓	
			Mean =	41.436 ✓	27.052	12.776 ✓	

76P526 CE # 308 3-61

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR 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 EAST TO WEST
						TOP	LEVEL	BOTTOM	(3rd 25)
					1	43.9	25.3	07.8	EAST
					2	42.2	26.7	09.8	
					3	41.3	26.4	08.1	TOP TARGET 168.00
					4	41.1	26.9	07.0	
					5	40.1	26.2	06.2	BOTTOM TARGET 155.00
					6	39.6	26.7	06.0	
					7	40.2	26.3	06.3	
					8	41.1	26.3	08.2	
					9	41.9	26.4	07.8	
					10	39.0	26.5	08.0	
					11	38.9	26.0	06.6	
					12	38.9	26.1	05.5	
					13	37.0	26.0	05.1	
					14	37.6	25.1	03.9	
					15	37.1	25.1	04.4	
					16	38.0	25.0	04.1	
					17	36.3	25.0	04.2	
					18	37.1	25.3	03.4	
					19	37.9	25.1	03.0	
					20	37.9	25.5	04.5	
					21	37.8	25.0	04.1	
					22	36.9	25.1	04.0	
					23	37.0	24.8	03.5	
					24	36.3	25.0	03.8	
					25	36.9	25.6	03.1	
				SUM		~~971.9~~ 80	643.4	138.4	
				MEAN		38.8~~76~~	25.736	5.536	

JOB NO. ~~0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET~~ 0882.43 LONG BEACH LEVEL LINES

SURVEY BY G.E. DREIER

NOTES BY C. J. GALLI DATE 9-30-65

INDEXED DATE

WEATHER HAZY SUN

TIME 10:17 - 10:34

NOTES CHKD [illegible]

INST. NO. 96716

ROD NO. 9 & 19

DATE 10/5/65

F.B. 3747 PG. 59

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	MIC.	LEFT.	STADIA	FORESIGHT RIGHT	MIC.	LEFT.	STADIA	DESCRIPTION AND REMARKS
									FROM WEST TO EAST
						TOP	LEVEL	BOTTOM	(4th 25)
					1	44 2	31 0	13 4	WEST
					2	46 2	32 2	15 7	
					3	47 0	32 9	17 1	TOP TARGET 168.000
					4	46 7	33 0	18 0	BOTTOM TARGET 153.000
					5	46 0	33 2	18 0	
					6	47 4	33 8	18 0	
					7	46 9	34 3	18 1	
					8	47 1	35 0	18 0	
					9	47 6	35 0	17 9	
					10	47 5	35 1	18 0	
					11	47 2	35 4	18 3	
					12	47 8	35 4	18 3	
					13	48 0	35 7	18 2	
					14	47 9	35 1	18 8	
					15	48 8	35 7	19 1	
					16	49 0	36 0	19 0	
					17	49 2	36 0	20 0	
					18	50 1	36 2	20 2	
					19	49 9	36 8	21 1	½ STADIA 228 METERS
					20	49 9	36 5	20 4	228
					21	49 3	36 1	20 0	456
					22	49 9	37 0	20 1	+ 2 M. ROD TO GUN 2
					23	49 0	36 7	21 1	458 METERS
					24	49 2	36 9	20 2	
					25	49 2	37 1	20 0	
	161	309	462 5	159 / 163 4		1201.0	878.1	467.0	
				SUM		48.040	35.124	18.680	
				MEAN					

F.B. 3747 PG. 60

JOB NO. 0882.43

SURVEY OF LONG BEACH LEVEL LINES

SURVEY BY DREIER NOTES 9-30-65

INDEXED G. J. GALLI DATE

WEATHER HOT SUN - INST. NO. 96916

TIME 11:00 - 11:17 ROD NO. 9819

NOTES CHKD [illegible] DATE 10/5/65

76P526 CE # 308 3-61

PLEASE RETURN TO

L ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

E: ANY ADDITIONS OR CHANGES HIS SHEET MUST BE MADE OR LED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT ~~RIGHT MIC.~~ Top	FORESIGHT ~~LEFT.~~ Level	FORESIGHT ~~STADIA~~ Bot.	DESCRIPTION AND REMARKS
							FROM BM (E) TO BM 24-03590 (W)
1				395	227	063	
2				383	232	067	
3				403	245	078	Targets on Bm.
4				405	245	085	To (W) set @
5				417	245	075	Top = 168.000 cm.
6				408	243	081	Bot. = 153.000 cm.
7				397	247	067	
8				393	253	068	
9				393	245	067	
10				399	245	065	
11				397	243	067	
12				397	247	067	
13				388	245	070	
14				400	245	065	
15				393	240	067	
16				395	249	063	
17				393	248	063	
18				393	240	063	
19				405	238	075	
20				407	238	073	
21				397	237	058	
22				392	245	060	
23				393	238	065	
24				383	235	053	
25				380	242	060	
BM (E)	162 588	4635	164 160 4				BM (E) Targets set @ Top 168.000 cm. Bot. 155.000 cm.

K on (E) side

0882.43 LB

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

SURVEY BY W.J. Vogc

NOTES BY BAZEN DATE 9-30-65

INDEXED DATE

LITE wind. 90°F.

WEATHER Sunny-clear INST. NO 75234

TIME 11:00 TO 11:17 ROD NO. 9-19

NOTES CHKD [illegible] DATE 10/5/65

F.B. 3747 PG. 61

F.B. 3717 PG. 62 JOB NO. 0882.43

SURVEY OF G.B. Precise Level Sur.

SURVEY BY Vogt NOTES M B

INDEXED C. J. GALLI DATE

WEATHER INST. NO. 75234

TIME ROD NO. 9-19

NOTES CHKD [illegible] DATE 10/5/65

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				FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	~~RIGHT~~	~~MIC.~~	~~LEFT.~~	~~STADIA~~	FROM BM (E) TO BM 24 03590
					Top	Level	Bottom	
				Sum =	990.6	605.7	168.5	
				Mean =	39.624	24.228	6.740	

76P526 CE # 308 3-61

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	~~RIGHT~~	~~MIC.~~	~~LEFT.~~	~~STADIA~~	FROM BM (E) TO BM 24-03590 (W)
BM (East)					Top		Level	Bottom	BM (East) California Division of Hwys. brass cap mon.
	161	767	462 5	163 159 4					
1.					44	9	25 8	08 8	
2.					45	4	26 0	09 5	
3.					45	4	25 4	08 7	West targets set on
4.					44	5	25 2	08 7	
5.					44	3	25 2	09 3	168.000 cm
6					44	6	25 3	08 7	& 153.000 cm.
7					44	4	25 2	08 0	
8.					43	8	24 9	08 8	
9					44	4	25 3	08 0	
10.					43	8	24 9	08 8	
11.					44	3	25 7	08 8	
12					45	0	24 8	08 6	
13.					44	9	25 6	08 5	
14.					45	1	25 4	08 9	
15.					44	9	25 5	09 0	
16.					44	8	25 3	08 9	
17.					44	8	25 4	08 9	
18.					44	8	25 0	08 5	
19.					45	0	25 2	08 8	
20.					44	7	25 7	08 9	
21					45	3	25 3	08 6	
22					45	1	25 5	08 7	
23					45	1	25 3	08 4	
24					45	0	25 7	08 8	
25					45	3	25 4	08 8	

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ LB PRECISE LEVEL NET

SURVEY BY W. Vogue

NOTES BY

INDEXED C. J. GALLI DATE 10-1-65

DATE

WEATHER Clear

TIME 9:10 - 9:20

NOTES CHKD [illegible]

INST. NO. 75234

ROD NO. 9-19

DATE 10/5/65

F.B. 3747 PG. 53

F.B. 3747 PG. 64 JOB NO. 0882.43

SURVEY OF Long Beach Precise Level Sur.

SURVEY BY Vogc NOTES M.B.

INDEXED C. J. GALLI DATE

WEATHER INST. NO. 75234

TIME ROD NO. 9-19

NOTES CHKD. [illegible] DATE 10/5/65

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			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	~~RIGHT~~ ~~MIC.~~	~~LEFT.~~	~~STADIA~~	FROM BM (E) TO BM 24-03590(W)
				Top	Level	Bottom	
			Sum =	1119.6	634.0	218.4	
			Mean =	44.784	25.360	08.736	

76P526 CE # 308 3-61

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

SURVEY BY DREIER

NOTES BY DREIER DATE 10-1-65

INDEXED ~~C. J. GALLI~~ DATE

WEATHER HAZY SUN STRONG LT BREEZE

TIME 9:10 TO 9:20

NOTES CHKD [illegible] DATE 10/5/65

INST. NO. 86716

ROD NO. 9 & 19

F.B. 3717 PG. 65

STATION	BACKSIGHT RIGHT	MIC.	LEFT.	STADIA	FORESIGHT ~~RIGHT~~	~~MIC.~~	~~LEFT.~~	~~STADIA~~	DESCRIPTION AND REMARKS FROM WEST TO EAST
						TOP	LEVEL	BOTTOM	WEST
1	161	357	462 5	163 159 4	1	454	334	157	TOP TARGET 168.000 cm
					2	457	337	162	BOTTOM TARGET 153.000
					3	453	334	163	
					4	460	335	163	
					5	463	336	165	
					6	463	338	166	
					7	460	346	172	
					8	468	346	171	
					9	467	344	177	
					10	470	348	180	
					11	475	352	180	
					12	462	349	178	
					13	471	350	172	
					14	475	353	176	
					15	472	352	186	
					16	477	354	182	
					17	468	356	175	
					18	479	352	176	
					19	474	358	178	
					20	481	355	185	
					21	476	354	182	
					22	474	356	180	
					23	477	354	181	
					24	473	354	180	
					25	476	357	181	
				SUM		11725	8704	4368	
				MEAN		46.900	34.816	17.472	

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 3747 PG. 66 | JOB NO. 0882.43

SURVEY OF LONG BEACH LEVEL LINES

SURVEY BY DREIER NOTES DREIER 11-1-65

INDEXED C. J. GALLI DATE

NOTES CHKD [illegible] DATE 12/15/65

WEATHER HAZY SUN INST. NO. 16216

TIME 9:15 TO 10:14 ROD NO. 9814

BREEZE

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM EAST TO WEST
				X TOP	LEVEL	BOTTOM	
				1 39.4	25.7	5.6	EAST
				2 38 9	25 3	5 7	TOP TARGET 168.000 GM
				3 38 7	25 5	5 8	BOTTOM TARGET 155,000
				4 38 4	24 9	4 9	
				5 38 4	25 2	5 1	
				6 37 8	24 5	6 1	
				7 37 4	24 5	5 2	
				8 38 3	24 3	4 3	
				9 37 9	24 2	4 3	
				10 38 7	23 8	4 4	
				11 37 8	24 2	4 7	
				12 37 8	23 4	4 0	
				13 37 9	23 7	5 4	
				14 38 1	23 6	4 9	
				15 37 1	23 6	3 4	
				16 37 1	23 3	4 5	
				17 37 3	23 5	3 9	
				18 37 1	23 0	3 8	
				19 37 0	23 1	3 9	
				20 36 6	22 8	3 5	
				21 37 2	22 6	3 0	
				22 36 5	23 0	3 7	
				23 36 3	22 4	3 3	
				24 36 9	22 7	3 3	
1	161 715	462 5	163 159 4	25 36 7	22 6	2 6	
			SUM		9413 ✓	5954 ✓	1093 ✓
			MEAN		37.652	23.816	4.372 ✓

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	~~RIGHT MIC.~~	~~LEFT.~~	~~STADIA~~	FROM BM 24-03590W TO BM (E)
BM 24-03590 (West)	(see next pg for pickup)			Top	Level	Bottom	BM 24-03590 (West)
1.				443	265	128	
2.				435	273	135	
3.				437	277	137	
4.				443	282	147	
5.				448	282	147	
6.				445	282	145	Targets on East side
7.				443	293	143	set on 168.000 cm
8.				445	287	147	& 155.000 cm
9.				455	293	153	
10				457	287	150	
11				457	295	158	
12				462	290	158	
13				455	300	158	
14				463	297	155	
15				463	297	157	
16				463	305	163	
17				463	303	163	
18				463	305	157	
19				473	310	155	
20				467	310	161	
21				460	307	163	
22				465	305	162	
23				462	305	167	
24				475	310	168	
25				473	310	167	

T on (W) side shooting (E).

JOB NO. ~~0301.02~~ 0802.43 SURVEY OF ~~L.A. CO.~~ LB PRECISE LEVEL NET

SURVEY BY W. J. Vogel

NOTES BY BAZEN DATE 10-1-65

INDEXED G. J. GALLI DATE

WEATHER Calm - Sunny - Smog 80°F ±

TIME 955 TO 10:14 INST. NO. 75234

ROD NO. 9-19

NOTES CHKD [illegible] DATE 10/5/65

F.B. 3747 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.

STATION	BACKSIGHT				FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	~~RIGHT~~ MIC.	~~LEFT~~	~~STADIA~~	FROM (West) TO (East)
BM 2403590 (W)	161	360	4625	163 159 4	TOP	Level	BOT.	
					1140.5	737.0	384.4	Totals
					45.620	29.480	15.376	means

F.B. 3747 PG. 68

JOB NO. 0882.43

SURVEY OF L.B. Precise Level Sur.

SURVEY BY Vogt NOTES Bazen

INDEXED G. J. GALLE DATE

WEATHER

TIME

NOTES CHKD. DATE

INST. NO. 75234

ROD NO. 9-19

DATE 10/5/65

76P526 CE # 308 3-61

PLEASE RETURN TO

L ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

E: ANY ADDITIONS OR CHANGES HIS SHEET MUST BE MADE OR C LED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF ~~L.A.~~ LB CO. PRECISE LEVEL NET

SURVEY BY W. Vogue DATE 10-1-65

NOTES BY M.B. DATE

INDEXED C. J. GALLI DATE

WEATHER Clear (Hot) INST. NO. 75234

TIME 10:20 - 10:36 ROD NO. 9-19

NOTES CHKD [signature] DATE 10/5/65

90°F±

F.B. 3747 PG. 69

STATION	BACKSIGHT RIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT ~~RIGHT MIC.~~	FORESIGHT ~~LEFT.~~	FORESIGHT ~~STADIA~~	DESCRIPTION AND REMARKS FROM BM 24-03590(W) TO BM (E)
BM24-03590 (West)				Top	level	Bottom	BM 24-03590 (West)
1				47 2	30 7	16 1	
2				47 2	30 7	16 1	
3				46 9	31 2	16 0	
4				47 2	31 7	17 2	
5				47 8	31 6	17 7	Targets on east side set on - upper = 168.000 cm. lower = 155.000 cm
6				48 3	31 7	17 3	
7				47 9	31 6	16 8	
8				48 1	31 3	17 5	
9				47 8	31 8	17 2	
10				47 8	31 9	17 2	
11				48 4	31 8	17 5	
12				48 1	31 8	17 3	
13				48 6	31 5	17 6	
14				48 5	31 6	17 4	
15				48 2	31 7	17 3	
16				48 3	31 4	17 3	
17				48 0	31 4	17 2	
18				48 1	31 5	17 1	
19				48 0	31 5	17 0	
20				48 2	31 4	17 4	
21				48 1	31 6	17 1	
22				48 7	31 3	17 1	
23				48 2	31 9	17 4	
24				48 6	31 6	17 3	
25				48 3	31 7	17 7	
26				48 6	31 7	17 8	
27				48 3	31 6	17 9	

NOTE: 27 SHOTS

T on (W.) side shooting (E)

F.B. 3747 PG. 70 JOB NO. 0882.43

SURVEY OF LB Precise Level Sur.

SURVEY BY Voge NOTES MB

INDEXED C. J. GALLI DATE

WEATHER INST. NO. 7523d

TIME ROD NO. 9-19

NOTES CHKD. [illegible] DATE 10/5/65

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 24-0359 (W) TO BM (E)
					TOP		Level	Bottom	BM 2403590 (West)
					Sum = 1297.4		851.2	464.5	
					Mean = 48.052		31.526	17.204	

76P526 CE # 306 3-61

PLEASE RETURN TO
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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET — LONG BEACH LEVEL LINE — 8382.43
SURVEY BY DREIER — WEATHER HOT - HAZY — INST. NO 26716
NOTES BY WILKS — TIME 10:20 - 10:36 — ROD NO 2 & 19
INDEXED — DATE — NOTES CHKD E. J. GALLI — DATE 10/5/65
DATE 10-1-65

F.B. 3797 Pg. 71

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM EAST TO WEST
				TOP	LEVEL	BOTTOM	3rd 25
				1 381	232	043	
				2 370	231	043	EAST
				3 370	232	039	TOP TARGET 168,000 cm
				4 386	231	041	BOTTOM TARGET 155.000 "
				5 379	231	051	
				6 379	230	044	
				7 373	230	041	↑ DREIER
				8 390	231	040	
				9 381	235	053	
				10 385	232	048	
				11 379	233	052	
				12 380	231	048	
				13 379	230	049	
				14 381	231	049	
				15 380	236	049	
				16 389	232	042	
				17 386	235	047	
				18 374	233	039	
				19 373	231	037	
				20 378	229	045	
				21 381	231	048	
				22 380	235	047	
				23 377	231	041	
				24 382	227	044	
				25 375	232	043	
			SUM	948.8	579.2	112.3	✓
			MEAN	37.952	23.168	4.492	✓

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 3747 PG. 72 JOB NO. 0882.43

SURVEY OF LONG BEACH LEVEL LINES

SURVEY BY DREIER NOTES WILKS 10-1-65

INDEXED G. J. GALLI DATE

WEATHER HAZY-SUN INST. NO. 96716

TIME 10:55 - 11:14 ROD NO. 9819

NOTES CHKD [illegible] DATE 10/5/65

STATION	BACKSIGHT RIGHT	MIC.	LEFT.	STADIA	FORESIGHT RIGHT	MIC.	LEFT.	STADIA	DESCRIPTION AND REMARKS
									FROM WEST TO EAST (4th 25)
					1	36 9	26 2	08 5	WEST
					2	37 0	26 1	08 2	
					3	37 3	26 4	08 6	TOP TARGET 168,000 cm
					4	37 6	26 2	08 3	BOTTOM TARGET 153.000
					5	38 1	26 4	09 1	
					6	37 8	26 5	08 5	
					7	37 7	26 5	08 8	
					8	37 8	26 3	09 0	⊼ DREIER
					9	36 9	25 9	08 9	
					10	37 3	26 0	08 5	
					11	36 7	25 3	08 3	
					12	36 9	25 9	08 2	
					13	36 5	26 0	08 0	
					14	37 5	26 1	08 1	
					15	37 0	26 3	08 3	
					16	36 9	26 0	07 5	
					17	37 5	25 8	08 8	
					18	37 0	25 8	08 9	
					19	37 1	26 0	08 5	
					20	36 2	26 0	08 8	
					21	37 0	25 2	07 9	
					22	37 1	25 2	08 7	
					23	36 9	25 6	08 3	
					24	37 0	25 7	08 7	
					25	37 2	25 6	08 0	
					26	37 3	26 0	08 6	
1	161	398	462 5	159/163 4	27	37 0	25 9	08 9	
				SUM		1003.2	700.9	228.9	
				MEAN		37.156	25.959	8.478	

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET Lite wind - Temp 85°±
SURVEY BY VOGE WEATHER Sunny-Smog INST. NO 7523K
NOTES BY BREEN DATE 10-1-65 TIME 10:55 - 11:14 ROD NO. 2-19
INDEXED S. J. GALLI DATE NOTES CHKD DUTTON DATE 10/5/65
F.B. 3747 Pg. 73

STATION	BACKSIGHT				FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA		~~RIGHT MIC.~~	~~LEFT.~~	~~STADIA~~	FROM BM (E) TO BM (W)
					Top	Level	Bot.	
1					478	277	135	
2					455	275	133	
3					455	277	145	Targets on BM (West) set @ upper = 168.000 cm. lower = 153.000 cm.
4					477	277	133	
5					465	283	143	
6					483	287	150	
7					483	293	143	
8					480	293	150	
9					480	297	150	
10					485	297	147	
11					480	297	148	
12					475	300	158	
13					477	298	150	
14					488	307	157	
15					493	308	163	
16					487	312	155	
17					491	313	165	
18					505	317	175	
19					513	315	163	
20					505	317	175	
21					507	318	170	
22					502	318	177	
23					518	328	167	
24					505	323	171	
25					508	318	168	
				1219	~~5489~~	7545	3891	= Sum
BM (E)	161 753	462 5	163/159	4	~~47580~~ 48780	30180	15564	= Mean

T@(E) SHOOTING (W)

F.B. 3747 PG. 74 JOB NO.

SURVEY OF

SURVEY BY NOTES

INDEXED DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD DATE

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

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

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

0882.43 LONG BEACH LEVELLINES

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

SURVEY BY DREIER WEATHER OVERCAST INST. NO 26776

NOTES BY DREIER DATE 9-27-65 TIME 12:00 TO 12:05 ROD NO. 9 & 19

INDEXED DATE NOTES CHKD DATE

F.B. 3747 Pg. 73

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM B.M. EAST TOWER TO B.M. 24-03666
B.M. ~~24~~ EAST TOWER /	80 980	381 5	82 78 4	294 233	595 5	296 292 4	B.M. ~~24~~ STATE HWY MON. TOP OF EAST TOWER ABUT.
B.M. 24-03666	80 980 ✓			294 233 ✓		4	B.M. 2403666 (CITY L.A., VERTICAL)
				+ 80 980 ✓		8	E. FACE OF EAST TOWER ABUT.
				- 213 253 ✓			

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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.24-03666 TO B.M.24-03666
B.M.24-03666									B.M.24-03666 (CITY L.A.)
1	294	245	595 5	296 292 4	80	936	381 5	82 78 4	E. FACE OF EAST TOWER ABUT.
B.M.24-								4	B.M.24-0 STATE HWY MON.
EAST TOWER +	294	245			80	936		8	TOP OF EAST TOWER ABUT.
-	80	936							
+	213	309							

F.B. 3747 PG. 76

JOB NO. 0882.43

SURVEY OF LONG BEACH LEVEL LINES

SURVEY BY DREIER NOTES DREIER 9-27-65

INDEXED C. J. GALLI DATE

WEATHER OVERCAST INST. NO. 96716

TIME 12:10 TO 12:15 ROD NO. 9919

NOTES CHKD. [illegible] DATE

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

0882.43 LONG BEACH LEVEL LINES
JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY DREIER WEATHER HAZY SUN INST. NO. 26716
NOTES BY WILKS DATE 10-5-65 TIME 9:30 ROD NO. 96/9
INDEXED E. J. GALLI DATE NOTES CHKD DATE OCT 23 '65

F.B. 3747 Pg. 77

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM B.M. 24-03666 TO B.M. 24-03690
B.M. 24-03666			58			194	B.M. 24-03666 (CITY L.A. DISC)
1	82 776	383 5	106 48	218 709	519 5	242 48	E. FACE OF EAST TOWER
			122			124	
2	136 228	437 5	149 27	138 560	439 5	151 27	
			75			75 ✓	
	219 004 ✓			357 269 ✓		75	
B.M. 24-03690				− 219 004 ✓		150 ✓	B.M. 24-03690 STATE Hwy DISC
				+ 138265 ✓			506 FT E. OF E. TOWER
B.M. 24-03666			19			154	
1	56 160	357 5	93 74 ✓	193 872	494 5	231 77 ✓	RERUN 10-7-65
						74	
B.M. 24-03690						151 ✓	
	56 160 ✓			− 193 872 ✓			
				+ 56 160 ✓			
				− 137.712 ✓			

F.B. 3747 PG. 78

JOB NO. 0882.43

SURVEY OF LONG BEACH LEVEL LINES

SURVEY BY G.E.D. NOTES WILKS 10-7-65

INDEXED C. J. GALLI DATE

WEATHER OVERCAST INST. NO. 96716

TIME 10:20-10:25 ROD NO. 9&19

NOTES CHKD. [signature] DATE OCT 21 '65

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line.

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

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM B.M. 24-03690 TO B.M. 24-03666
B.M. 24-03690									B.M. 24-03690
1	193	494	494 5	156 / 231 75	55	682	356 5	17 / 93 76	
B.M. 24-03666								75 / 151	B.M. 24-03666
	+ 193	494			55	682			
	− 55	682							
	+ 137	812							

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 24-03690 TO B.M. 24-02350
B.M. 24-03690									B.M. 24-03690
1	133	012	434 S	100/164 64	109	555	410 S	78/140 62	
2	255	006	556 S	236/274 38	182	364	483 S	162/201 39	
				102				101	
+	388	018	✓		291	919	✓	103	✓
B.M. 24-02350	291	919	✓					203	✓ B.M. 24-02350 (WIL. E-7)
+	96.099		✓						SEASIDE WEST OF ALTOONA PL.

0882.43 LONG BEACH LEVEL LINES

JOB NO. ~~0901.02 SURVEY OF L.A. CO. PRECISE LEVEL NET~~

SURVEY BY PEELER WEATHER HAZY SUN INST. NO. 26716

NOTES BY WILKES DATE 10-5-6 TIME 9:45 ROD NO. 3419

INDEXED C. J. GALLI DATE NOTES CHKD DATE OCT 21 '65

F.B. 3747 Pg. 79

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

WEATHER OVERCAST INST. NO. 96716
TIME 10:05 - 10:20 ROD NO. 9619
NOTES CHKD. DATE OCT 21 '65

F.B. 3747 PG. 80
SURVEY OF LONG BEACH LEVEL LINES
SURVEY BY G.E.D. NOTES D.L.W. 10-7-65
INDEXED C. J. GALLI DATE
JOB NO. 0882.43

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM B.M.24-02350 TO B.M. 24-03690
B.M. 24-02350			157			240	B.M. 24-02350 (WIL. E-7)
1	180 398	481 5	204 47	264 145	565 5	287 47	
			95			108	
2	124 443	425 5	54 59	136 744	437 5	163 55	
	304 841 ✓		106	400 889 ✓		102 ✓	
B.M. 24-03690				304 841 ✓		106 ✓	B.M. 24-03690 (DISC STATE HWY)
				96.048 ✓		208	

76P526 CE # 308 3-61

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 24-02350 TO B.M. 24-02550
B.M. 24-02350									B.M. 24-02350 (WIL. E-7)
1	148	200	449 5	119 / 177 58	174	204	475 5	144 / 204 60	SEASIDE AVE. WEST OF ALTOONA PL.
2	168	889	469 5	134 / 201 67 / 125	153	623	454 5	120 / 186 66 / 126	
3	134	092	435 5	108 / 159 51 / 176	184	783	485 5	157 / 211 54 / 180	
4	151	722	452 5	131 / 168 37	181	852	482 5	165 / 196 31	
	602	903		213	694	462		211	
					+602	903		213	
					- 91.559			424	
B.M. 24-02550									B.M. 24-02550 (WIL E-7A) SEASIDE AVE. EAST OF FERRY ST.

JOB NO. ~~0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET~~ 0882.43 LONG BEACH LEVEL LINES
SURVEY BY DREIER
NOTES BY WILKS DATE 10-5-65
INDEXED C. J. GALLI DATE
WEATHER LAZY SUN INST. NO. 96716
TIME 10:00 ROD NO. 9419
NOTES CHKD [signature] DATE OCT 21 '65

F.B. 3747 PG. 81

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 3747 Pg. 82 JOB NO. 0882.43

SURVEY OF LONG BEACH LEVEL LINES

SURVEY BY G.E.D. NOTES D.L.W. 10-7-65

INDEXED C.J. GALLI DATE

WEATHER OVERCAST INST. NO. 9676

TIME 8:50-10:05 ROD NO. 9614

NOTES CHKD [illegible] DATE OCT 27 '65

STATION	BACKSIGHT					FORESIGHT					DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA		RIGHT	MIC.	LEFT.	STADIA		FROM B.M. 24-02550 TO B.M. 24-02350
B.M. 24-02550				144					58		B.M. 24-02550 (W.I.L. E-7A)
1	189	768	490 5	233	89	103	933	404 5	148	90	SEASIDE AVE 160± E. OF FERRY ST.
				94					100		
2	132	662	433 5	170	76	138	472	439 5	176	76	
				168	165				156	166	
3	190	989	491 5	212	44	179	189	480 5	203	47	
	513	419 ✓			209	421 ✓	594			213 ✓	
B.M. 24-02350	421	594 ✓								209 ✓	B.M. 24-02350 (W.I.L. E-7)
	91	825 ✓								422 ✓	SEASIDE 167± W. OF ALTOONA PL.

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line. RERUN

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G.E. DREIER WEATHER Hazy Sun INST. NO 28716
NOTES BY G.E. DREIER DATE 10-11-65 TIME 9:25 TO 9:45 ROD NO. 9810
INDEXED C. J. GALLI DATE NOTES CHKD DATE OCT 21 '65

F.B. 3747 Pg. 83

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM L.A. 24-02350 TO L.A. 24-02550
L.A. 24-02350									L.A. 24-02350 (WIL. E-7)
1	148	454	4 489 5	175 120 55	160	078	461 5	188 133 55	SEASIDE AVE & W. OF ALTOONA PL
2	151	689	452 5	179 123 56 111	145	628	446 5	173 117 56 101	
3	134	272	435 5	166 103 63 174	166	148	467 5	198 133 65 176	
4	132	403	433 5	155 110 45	186	751	587 5	201 168 33 209 ✓	
				219				219	L.A. 24-02550 (WIL E-7A)
L.A. 24-02550									SEASIDE AVE E. OF FERRY
	566	818 ✓			658	605 ✓		428	
				−	566	818 ✓			
				+	91	787 ✓			

F.B. 3747 PG. 84 JOB NO. 0882.43

SURVEY OF

SURVEY BY NOTES

INDEXED DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD DATE

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

76P526 CE # 308 3-61

PLEASE RETURN TO
L[illegible]NGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0882.43 LONG BEACH LEVEL LINES
SURVEY BY DREIER WEATHER WARM & CLEAR INST. NO. 96716
NOTES BY WILKS DATE 10-5-65 TIME 10:25 ROD NO. 4819
INDEXED C. J. GALLI DATE NOTES CHKD DATE OCT 21 '65

F.B. 3747 Pg. 85

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 24-02550 TO B.M. 24-02570
B.M. 24-02550				142				117	B.M. 24-02550 (W.L.E-7A)
1	169	422	470 5	195 53	144	899	445 5	170 53	SEASIDE AVE. EAST OF
				136				119	FERRY ST.
2	163	083	464 5	190 54	142	809	443 5	164 45	
				107	90	206		76 98	
3	137	519	438 5	126 149 23	~~137~~	-	391 5	90 28	✓
	470	024	✓	190	377	914	✓	126	✓
	377	914	✓					130	
								256	✓
B.M. 24-02570	92,110		✓						B.M. 24-02570 (U.S.C.&G.S. K-97) ON FACE OF SEWER PUMPING PLANT.

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 3747 Pg. 86 JOB NO. 0882.43

SURVEY OF LONG BEACH LEVEL LINES

SURVEY BY G.E.D. NOTES D. L. W. 10-2-65

INDEXED C. J. GALL DATE

WEATHER OVERCAST INST. NO. 9616

TIME 9:30 - 9:40 ROD NO. 9419

NOTES CHKD. DATE OCT 21 65

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M.24-02570 TO B.M.24-02550
B.M.24-02570				73				119	B.M.24-02570 (U.S.C.&G.S. K-97)
1	85	058	386 5	96 23	131	831	432 5	143 24	ON N. FACE OF SEWER PUMPING PLANT
				70				113	
2	118	255	419 5	166 96	163	678	464 5	213 100	
	203	313		119	295	509		124	
B.M.24-02550					203	313		119	B.M. 24-02550 (WIL. E-7A)
					92	196		243	SEASIDE AVE 160± E. OF FERRY ST.

76P526 CE # 308 3-61

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	MIC.	LEFT.	STADIA	FORESIGHT RIGHT	MIC.	LEFT.	STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 24-02570 TO B.M. 24-05050
B.M. 24-02570									B.M. 24-02570 (U.S.C.&G.S. K-97)
1	90	105	391 5	78/90 24	133	912	434 5	120/145 25	N. FACE OF SEWER PUMPING PLANT.
2	145	813	446 5	118/171 53	169	817	470 5	141/196 55	
				77				80	
3	140	887	441 5	104/176 72	145	381	446 5	110/179 69	
				149				149	
4	152	075	453 5	142/162 20	179	627	480 5	170/188 18	
	528	880		169	628	737		167	
					528	880		169	
					99	857		336	
B.M. 24-05050									B.M. 24-05050 (WIL F-6A) SEASIDE AVE 525± E. OF MORMON ST.

JOB NO. ~~0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET~~ 0882.43 LONG BEACH LEVEL LINES

SURVEY BY DREIER

NOTES BY WILKS DATE 10-5-1965

INDEXED C. J. GALLI DATE

WEATHER CLEAR INST. NO. 96716

TIME 10:45 - 11:00 ROD NO. 9419

NOTES CHKD [signature] DATE OCT 21 '65

F.B. 3747 PG. 87

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 3747 PG. 88 JOB NO. 0882.43

SURVEY OF LONG BEACH LEVEL LINES

SURVEY BY S.E.D. NOTES D.L.W. 10-7-65

INDEXED DATE

WEATHER OVERCAST INST. NO. 9676

TIME 9:15 - 9:25 ROD NO. 9811

NOTES CHKD DATE

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 24-05050 TO B.M. 24-02570
B.M. 24-05050				131				104	B.M. 24-05050 (WIL. F-6A)
1	173	502	474 5	214 83	146	231	447 5	188 84	SEASIDE AVE 525± E. OF MORMON ST.
				149				122	
2	177	166	478 5	206 57	149	548	450 5	177 55	
				140				139	
				116				72	
3	129	702	430 5	142 26	85	003	386 5	97 25	
	480	370 ✓		166	380	782 ✓		164 ✓	
	380	782 ✓						166 ✓	
B.M. 24-02570	+99.	588 ✓						330	B.M. 24-02570 (U.S.C.&G.S. K-97)
									N. SIDE SEWER PUMPING PLANT

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. 08243 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET — Long Beach
SURVEY BY C.E. DREIER — WEATHER Hazy Sun — INST. NO 16716
NOTES BY DREIER — DATE 11-11-65 — TIME 1155 TO 1415 — ROD NO. 2818
INDEXED — DATE — NOTES CHKD [illegible] — DATE 12-21-65

F.B. 3747 Pg. 89

STATION	BACKSIGHT RIGHT	MIC.	LEFT.	STADIA	FORESIGHT RIGHT	MIC.	LEFT.	STADIA	DESCRIPTION AND REMARKS
									FROM L.A 24-02570 TO L.A. 24-05050
L.A. 24-02570				102				144	L.A. 24-02570 (U.S.C.&G.S. K-97)
1	100	656	481	97 5	141	357	442 5	137 7	VERTICALLY N. FACE OF SEWER PUMP PLANT
2	147	188	448 5	172 122 52 55	166	780	467 5	191 141 50 57	
3	143	709	444 5	166 119 47 102	161	687	462 5	184 138 46 103	
4	154	415	455 5	181 128 53 155	175	594	476 5	201 148 53 156 ✓	
L.A. 24-05050								155	L.A. 24-05050 (WIL. F-6A)
	545	968 ✓			645	418 ✓		311	SEASIDE AVE 525± E. OF MARTIN ST
					− 545	968 ✓			
					= 99	450 ✓			

F.B. 3747 PG. 90 JOB NO. 0882.43

SURVEY OF

SURVEY BY NOTES

INDEXED DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD DATE

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

0882.43 LONG BEACH LEVEL LINES

JOB NO. 0501.02 SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY DREIER WEATHER CLEAR INST. NO. 96716

NOTES BY WILKS DATE 10-5-65 TIME 11:05 - ROD NO. 94/19

INDEXED C. J. GALLI DATE NOTES CHKD DATE OCT 21 '65

F.B. 3747 PG. 91

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 24-05050 TO B.M. 24-05010
B.M. 24-05050				174				98	B.M. 24-05050 (W.L. F-6A)
1	202	678	503 5	229 55	126	598	427 5	154 56	SEA SIDE AVE. 525± FT. E. OF MORMON ST.
				93				153	
2	131	062	432 5	168 75	191	883	492 5	229 76	
				130				132	
3	144	223	445 5	113 173 58	155	305	456 5	127 183 56	
				188				188	
4	160	615	461 5	133 187 54	138	737	439 5	109 166 57	
				242				245	
5	150	799	451 5	142 158 16	180	803	481 5	175 188 10	✓
	789	377	✓	258	793	326	✓	255	✓
					789	377	✓	258	✓
					-03.	949	✓	513	
B.M. 24-05010									B.M. 24-05010 (W.L. F-6)
									℄ SEASIDE AVE. 0.4 MI. E. OF MORMON ST.

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 9676
TIME 8:50 - 9:10 ROD NO. 9611
NOTES CHKD. DATE OCT 21 '65

F.B. 3747 Pg. 92 JOB NO. 0882.43
SURVEY OF LONG BEACH LEVEL LINES
SURVEY BY M.E.D. NOTES WILKS 10-7-65
INDEXED G. J. GALLI DATE

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 24-05010 TO B.M. 24-05050
B.M. 24-05010				93				80	B.M. 24-05010 (WIL. F-6)
1	140	462	441 5	188 95	128	993	429 5	175 95	& SEASIDE AVE., 0.4 MI. E. OF MORMON ST.
				133				99	
2	188	016	489 5	244 110	153	525	454 5	205 106	
				129 206				171 201	
3	153	683	454 5	177 48	195	721	496 5	220 49 ✓	
	482	161 ✓		254	478	239 ✓		250	
	478	239 ✓						254 ✓	
B.M. 24-05050	.03	922 ✓						504	B.M. 24-05050 (WIL. F-6A) SEASIDE AVE., 525± E OF MORMON ST.

76P526 CE # 308 3-61

PLEASE RETURN TO
L[illegible]NGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

[illegible]: ANY ADDITIONS OR CHANGES [illegible] HIS SHEET MUST 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.24-05010 TO ~~B.M. 24~~ ~~H.D. 891~~ L.B.H.D 891
B.M.24-05010									B.M.24-05010 (WIL. F-6)
1	189	968	490 5	165/213 48	144	112	445 5	120/168 48	℄ SEASIDE AVE, 0.4 MI. E. OF MORMON ST.
2	155	478	456 5	123/187 64	136	009	437 5	106/166 60	
				112				108	
3	~~2~~1 13	401	~~5~~4 14 5	80/147 67	186	523	487 5	150/222 72	
				179				180	
4	129	642	430 5	109/149 40	166	858	467 5	145/185 40	
	588	489		219	633	502		220	
B.M. L.B.H.D. 891					588	489		219	L.B.H.D. 891 SPK IN N. CURB AT
					-45.013			439	S.W. COR C.B., SEASIDE AVE & L.A., L.B. CITY BDRY.

JOB NO. ~~0301.02~~ 0882.43 LONG BEACH LEVEL LINES ~~SURVEY OF L.A. CO. PRECISE LEVEL NET~~
SURVEY BY DREIER
NOTES BY WILKS DATE 10-5-65
INDEXED C. J. GALLI DATE
WEATHER CLEAR INST. NO 96716
TIME 11:35-12:00 ROD NO. 9419
NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3747 PG. 93

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 8747 PG. 94 JOB NO. 0882.43

SURVEY OF Long Beach Level Lines

SURVEY BY G.E.D. NOTES Wiles 10-7-65

INDEXED E. J. GALL DATE

WEATHER Overcast INST. NO. 96716

TIME ROD NO. 4-19

NOTES CHKD [illegible] DATE Oct 21 '65

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. L.B.H.D. 891 TO B.M. 24-05010
B.M. L.B.H.D. 891				175				81	B. M. L.B.H.D. 891
1	221	658	522 5	268 93	127	618	428 5	173 92	SPK IN N. CURB AT S.W. Cor C.B.
				86				135	SEASIDE AVE & L.A., L.B. CITY BDRY.
2	148	300	449 5	210 124	197	538	498 5	259 124	
	369	958 ✓		217	325	156 ✓		216 ✓	
	325	156 ✓						217 ✓	
B.M. 24-05010	44	802 ✓						433 ✓	B.M. 24-05010 (WIL F-6) SEASIDE AVE., 0.4 E. of Mormon ST.

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. 0882.43 LONG BEACH LEVEL LINES
SURVEY BY DREIER
NOTES BY WILKS
INDEXED C. J. GALL
DATE OCT. 5, 1965
WEATHER WARM
TIME 1:15
NOTES CHKD
DATE
INST. NO. 96716
ROD NO. 9619
DATE OCT. 65
F.B. 3747 PG. 95

STATION	BACKSIGHT RIGHT	MIC.	LEFT	STADIA		FORESIGHT RIGHT	MIC.	LEFT	STADIA		DESCRIPTION AND REMARKS
											FROM B.M. H.D. 891 (LB) TO BM 24-04890
B.M.-H.D.891				132					121		B.M.-H.D. 891 (LB)
1	154	930	455	5 176	44	145	403	446	5 169	48	SEASIDE AVE. & L.A.-L.B. CITY BDRY
				118					147		SPK IN N. CURB AT S.W. Cor. C.B.
2	144	345	445	5 170	52	172	721	473	5 197	50	
					96					98	
3	165	147	466	5 193	56	155	181	456	5 181	52	
					152	~~180~~	~~935~~	~~481~~		150	
4	141	596	442	5 168	53	180	935	481	5 208	54	
					205					204	
5	170	463	471	5 197	54	166	545	467	5 192	52	
					259					256	
6	132	843	433	5 156	48	171	921	472	5 197	52	
					307 ✓					308 ✓	
										307 ✓	
B.M. 24-04890	909	124 ✓				992	706 ✓			615 ✓	B.M. 24-04890
						909	124 ✓				
						83	582 ✓				

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 9419 DATE OCT 21 '65

WEATHER CLEAR TIME 10:20 - 12:35 NOTES CHKD

F.B. 3747 PG. 96 JOB NO. 0882.43

SURVEY OF Long Beach Level Lines

SURVEY BY G.E.D. NOTES D.L.W. 10-6-65

INDEXED C. J. GALLI DATE

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 24-04890 TO B.M. H.D. 891
B.M. 24-04890				150				108	B.M. 24-04890
1	179	476	480 5	209 59	136	282	437 5	165 57	
				111				98	
2	147	953	448 5	184 73	132	609	433 5	166 68	
				137 132				130 125	
3	170	620	471 5	203 66	165	640	466 5	200 70	
				141 198				114 195	
4	175	015	476 5	209 68	147	709	448 5	180 66	
				128 266				130 261	
5	143	462	444 5	158 30	150	698	451 5	170 40	
	816	526		296	732	938		301 ✓	
	732	938 ✓						296 ✓	
B.M. HD 891	83	588 ✓						597	B.M. L.B.HD.891

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

0882.43 Long Beach Level Lines

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

SURVEY BY PREIER WEATHER CLEAR INST. NO. 96716

NOTES BY Wilkes DATE Oct. 5, 1965 TIME 1:35 - 2:10 ROD NO. 9414

INDEXED G. J. GALLI DATE NOTES CHKD DATE Oct 21 65

F.B. 3747 Pg. 97

STATION	BACKSIGHT RIGHT	MIC.	LEFT.	STADIA	FORESIGHT RIGHT	MIC.	LEFT.	STADIA	DESCRIPTION AND REMARKS
									FROM B.M. 24-04890 TO B.M. L.B.H.D. 841-R
B.M. 24-04890				130				129	B.M. 24-04890
1	154	732	455 5	178 48	155	092	456 5	180 51	OCEAN AVE OPPOS. GATE 1
				121				170	
2	148	935	449 5	176 55	196	420	497 5	222 52	
				103				155	103
3	173	795	474 5	143 203 60	186	440	487 5	217 62	
				163				139	165
4	117	906	418 5	86 148 62	169	958	470 5	200 61	
				225				79	226
5	168	119	469 5	143 193 50	103	130	404 5	127 48	
				275				160	274
6	149	858	450 5	131 167 36	177	482	478 5	194 34	
				311				133	308
7	123	468	424 5	94 153 59	164	924	465 5	195 62	
				370				154	370
8	157	919	458 5	151 169 12	160	758	461 5	166 12	
				382					382
L.B.H.D. 841-R									L.B.H.D. 841-R
	1194	732			1314	204			764
					1194	732			CHIS. SQ TOP U BOLT AT WELL #W-71 W. OF GATE 3
					119	472			

WENT PAST L.B.H.D. 848

Do Not Use

Run ½ direction only

F.B. 3747 Pg. 98 JOB NO. 0882.43

SURVEY OF _____ WEATHER _____ INST. NO. _____

SURVEY BY _____ NOTES _____ TIME _____ ROD NO. _____

INDEXED _____ DATE _____ NOTES CHKD _____ DATE _____

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

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

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible]NGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM B.M. 24-04890 TO B.M. ~~N.D. 848~~
B.M. 24-04890									B.M. 24-04890
1	148	397	449 5	124/173 49	148	715	449 5	123/173 50	OCEAN AVE. OPPOSITE GATE 1 SPK IN N. CURB
2	151	263	452 5	124/179 55	199	775	500 5	172/226 54	
				104				104	
3	169	398	470 5	143/195 52	175	745	476 ~~466~~ 5	150/200 50	
				156				154 ✓	
								156 ✓	
B.M.-H.D. 848	469058 ✓				-524235 ✓			310 ✓	B.M. - H.D. 848
					+469058 ✓				OCEAN AVE & FORD BLVD. N.W. COR.
					-55177 ✓				L. & T. IN CATCH BASIN

JOB NO. ~~0301.02~~ 0882.43 LONG BEACH LEVEL LINES ~~SURVEY OF L.A. CO. PRECISE LEVEL NET~~

SURVEY BY DREIER WEATHER CLEAR INST. NO. 96716

NOTES BY WILKS DATE OCT. 5, 1965 TIME 2:15-2:30 ROD NO. 9819

INDEXED C. J. GALLI DATE NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3747 PG. 99

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM ~~L.B.H.D. 848~~ B.M. 848 TO B.M. 24-04890
B.M.									B.M. L.B.H.D. 848
1	179	252	480 5	142 / 217 75	105	087	406 5	68 / 142 74	
2	176	803	477 5	140 / 213 73	195	750	496 5	159 / 231 72	
				148				146 ✓	
								148 ✓	
B.M. 24-04890 +	356	055 ✓			300	837 ✓		294 ✓	B.M. 24-04890
−	300	837 ✓							
+	55	218 ✓							

F.B. 3747 PG. 100

JOB NO. 0882.43

SURVEY OF LONG BEACH LEVEL LINES

SURVEY BY G.E.D. NOTES WILKS 10-6-65

INDEXED G. J. GALLI DATE

WEATHER CLEAR INST. NO. 96716

TIME 10:00 - 10:20 ROD NO. 9819

NOTES CHKD [signature] DATE OCT 21 '65

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. 0882.43 LONG BEACH LEVEL LINE
SURVEY BY ~~0301-02 SURVEY OF L.A. CO. PRECISE LEVEL NET~~
NOTES BY Wiles DATE Oct. 15, 1965 TIME 2:40 - 3:00 WEATHER CLEAR INST. NO 96716
INDEXED DATE NOTES CHKD DATE ROD NO. 2414
F.B. 3747 Pg. 101

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA			RIGHT	MIC.	LEFT.	STADIA			~~H.D. 848~~ L.B.H.D 841-R FROM B.M. L.B.H.D 848 TO B.M. 24-11172
B.M. H.D.B48										183			B.M. - H. D.B48 (L.A. 24-04870)
1	153	963	454	5	125/181	56	210	987	511	5	137	54	
2	158	807	459	5	133/183	50	145	435	446	5	121/169	48	
						106						102	
3	173	060	474	5	151/195	44	140	540	441	5	116/164	48	
					99	150						150	
4	127	236	428	5	155	56	154	135	455	5	127/181	54	
					129	206					157	204	
5	141	710	442	5	153	24	168 ✓	122	469	5	180	23	
						230						227 ✓	
												230	(L.A. City B.M. 24-11172) L.B.H.D 841-R
B.M. 24-11172												457 ✓	
L.B.H.D. 841-R	754	776 ✓					819	219 ✓					
							− 754	776 ✓					
							64	443 ✓					

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 3747 PG. 102 JOB NO. 0882.43
SURVEY OF Long Beach Level Lines
SURVEY BY S.E.D. NOTES Wiles 10-6-65
INDEXED C. J. GALL DATE
WEATHER CLEAR INST. NO. 9617-6
TIME 9:35 - 9:55 ROD NO. 9619
NOTES CHKD DATE OCT 21 65

STATION	BACKSIGHT					FORESIGHT					DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA		RIGHT	MIC.	LEFT.	STADIA		FROM L.B.H.D 841-R ~~N.G. 848~~ TO B.M.
B.M. 24-11172				~~124~~					~~80~~		(B.M. 24-11172) L.B.H.D 841-R
	~~159~~	~~648~~	~~460~~	~~5~~ ~~199~~	~~70~~	~~45~~	~~564~~	~~446~~	~~5~~ ~~150~~	~~70~~	
				120					75		
1	155	181	456	5 190	70	110	480	411	5 145	70	
~~2~~	~~209~~	~~485~~	~~508~~	~~5~~ ~~173~~ 241	~~60~~				~~5~~		
				117					173		
~~3~~ 2	150	850	451	5 184	67	207	485	508	5 241	68	
				128	137					138	
3	180	173	481	5 232	104	103	590	404	5 ½ 103 150	104	
					241					242 ✓	
										241 ✓	
B.M. L.B.H.D 848	486204 ✓					421 555 ✓				483 ✓	
	421 555 ✓										B.M. L.B.H.D. 848 (24-04870)
	64 649 ✓										

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. 0902.43 LONG BEACH LEVEL LINES
SURVEY BY DREIER WEATHER CLEAR INST. NO. 96716
NOTES BY WILKS DATE 10-5-65 TIME 3:05 - 3:29 ROD NO. 7819
INDEXED C. J. GALLI DATE NOTES CHKD DATE Oct 21 '65

F.B. 3747 PG. 103

STATION	BACKSIGHT						FORESIGHT						DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.		STADIA		RIGHT	MIC.	LEFT.		STADIA		FROM B.M. 24-11172 TO B.M. 24-05090
B.M. 24-11172					98						173		(B.M. 24-11172) L.B.H.D. ~~841-R~~ 841-R
1	114	538	415	5	130	32	190	957	491	5	207	34	
					77						153		
2	98	148	399	5	119	42	176	670	477	5	199	46	
						74						80	
3	162	658	463	5	139 / 185	46	161	055	462	5	141 / 181	40	
						120 ✓						120 ✓	
												120	
												240 ✓	
B.M. 24-05090	375	344	✓				528	682	✓				(B.M. 24-05090) ~~L.B.H.D. 841-R~~ WIL. I-5C
							− 375	344	✓				
							= 153	342	✓				

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 3747 Pg. 104 JOB NO. 0882.43
SURVEY OF Long Beach Level Lines
SURVEY BY G.E.D. NOTES D.L.W. 10-6-65
INDEXED C. I. GALL DATE

WEATHER Lazy Sun INST. NO. 96716
TIME 9:20 - 9:30 ROD NO. 9E19
NOTES CHKD. DATE OCT 21 '65

STATION	BACKSIGHT					FORESIGHT					DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA		RIGHT	MIC.	LEFT.	STADIA		~~L.B.H.D.834-R~~ FROM B.M. 24-05090 TO B.M. 24-11172
B.M. 24-05090											B.M. 24-05090 WIL. I-5C
1	170	604	471	5	135 / 205 70	133	588	434	5	98 / 168 70	
2	218	003	519	5	187 / 249 62	131	062	432	5	99 / 163 64	
3	154	858	455	5	150 / 158 8	184	021	485	5	180 / 188 8	
					140					142 ✓	
										140 ✓	~~L.B.H.D. 834-R~~ 841-R
L.B.H.D. 834-R											(B.M. 24-11172)
B.M. 24-11172	543	465	✓								CHIS. □ ON U BOLT
	448	671	✓			448	671	✓		282	AT WELL W 11 W. OF
	+ 94	794	✓								GATE 5

K.G. SEE RERUN

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

RERUN

STATION	BACKSIGHT				FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA		RIGHT MIC.	LEFT.	STADIA	FROM L.B.H.D. 841-R TO L.A. 24-05090
L.B.H.D. 841-R								L.B.H.D. 841-R (L.A. 24-11172)
1	82034	3835	112 52	60	204 881	5055	235 173	62 S. OF OCEAN, W. OF GATE #3 CHIS. SQ. ON TOP OF U BOLT AT WELL #W-71
2	137 731	4385	168 106	62 122	168 142	4695	199 137	62 124 ✓
L.A. 24-05090								122 ✓ L.A. 24-05090 WIL I-5C
	219765	✓		−	373 023	✓		246 OCEAN (OR SEASIDE ?) E. OF GATE 3
				+	219 765	✓		
				−	153 258	✓		

JOB NO. 0882.43 LONG BEACH
SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G.E. DREIER WEATHER OVERCAST INST. NO. 26716
NOTES BY DREIER DATE 10-8-65 TIME 1:45 TO 2:00 ROD NO. 2 & 12
INDEXED C. J. GALLI DATE NOTES CHKD. DATE 11-21-65
F.B. 3747 PG. 105

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

RERUN

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM L.A. 24-05090 TO L.B.H.D. 841-R
L.A. 24-05090									L.A. 24-05090 (WIL. I-5C)
1	169	111	470 5	201 137 64	138	180	439 5	169 107 62	OCEAN E. OF GATE 3
2	206	187	507 5	236 176 60 124	83	925	384 5	114 52 62 124	
L.B.H.D. 841-R								124	L.B.H.D. 841-R
+	375	298			222	105		248	S. OF OCEAN W. OF GATE #3
−	222	105							CHIS. SQ. ON TOP OF U BOLT AT
+	153	193							WELL # W-71

F.B. 3747 PG. 106

JOB NO. 0882.43

SURVEY OF LONG BEACH LEVEL LINES

SURVEY BY DREIER NOTES DREIER 10-8-65

INDEXED C. J. GALLI DATE

WEATHER OVERCAST INST. NO. 96716

TIME 1:45 TO 2:00 ROD NO. 9819

NOTES CHKD [illegible] DATE OCT 27 '65

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. 0882.43 LONG BEACH LEVEL LINES
0501.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY DREIER WEATHER CLEAR INST. NO. 96716
NOTES BY WILKS DATE OCT. 5, 1965 TIME 2:20 - 3:35 ROD NO. 96/9
C. J. GALL DATE NOTES CHKD DATE OCT 21 '65
INDEXED DATE
F.B. 3747 PG. 107

STATION	BACKSIGHT					FORESIGHT					DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA		RIGHT	MIC.	LEFT.	STADIA		834-R FROM B.M. 24-05090 TO B.M. 24-11212
B.M. 24-05090	~~177~~	~~825~~	~~478 5~~	151					148		B.M. 24-05090 (WIL. I-5C)
1	177	825	478 5	203	52	176	822	477 5	204	56	
2	129	210	430 5	97/161	64	173	885	474 5	143/203	60	
					116					116	
3	114	900	415 5	85/144	59	172	107	473 5	142/201	59	
					175					175	
4	152	784	453 5	132/172	40	175	071	476 5	152/196	44	
					215	✓				219 ✓	
										215 ✓	
	574 7[illegible]9 ✓					697 885 ✓				434 ✓	L.B.H.D. 834-R
B.M. 24-11212						+ 574 7[illegible]9 ✓					(B.M. 24-11212) CHIS. SQ AT U BOLT AT WELL W-98
						123 166 ✓					

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 3747 PG. 108 JOB NO. 0882.43

SURVEY OF Long Beach Level Lines

SURVEY BY G.E.D. NOTES D.L.W. 10-6-65

INDEXED O.J. CALL DATE

WEATHER Hazy Sun INST. NO. 96116

TIME 9:00 - 9:20 ROD NO. 9419

NOTES CHKD. [illegible] DATE OCT 21 '65

STATION	BACKSIGHT					FORESIGHT					DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA		RIGHT	MIC.	LEFT.	STADIA		L.B.H.D. 834R FROM B.M. 24-11212 TO B.M. 24-05090
B.M. 24-11212				132					87		(B.M. 24-11212) L.B.H.D. 834R
1	169	882	470 5	206	74	124	530	425 5	161	74	
				154					104		
2	180	800	481 5	207	53	131	497	432 5	159	55	
				149	127				91	129	
3	177	542	478 5	205	56	119	553	420 5	147	56	
				126	183				156	185	
4	143	753	444 5	160	34	173 ✓	465	474 5	189	33	
					217					218 ✓	
										217 ✓	
B.M. 24-11212	671	977 ✓				549	045 ✓			435	B.M. 24-11212 (WIL I-5C)
	549	045 ✓									
	122	932 ✓									

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

[illegible]E: ANY ADDITIONS OR CHANGES [illegible] HIS SHEET MUST BE MADE OR 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 L.B.H.D. 834-R TO L.A. 24-05150
L.B.H.D. 834-R									L.B.H.D 834-R (L.A. 24-11212)
1	122	763	423 5	176 48 98 ~~78~~	176	564	477 5	202 150 52	CHIS. SQ. N. OF WELL No W-98
									WEST OF GATE 5, SO. OF OCEAN
2	137	314	438 5	151 123 28 76	50	907	351 5	64 36 28 80	
3	236	216	537 5	246 226 20 96	59	878	360 5	68 50 18 98	
4	273	295	574 5	286 260 26 122	49	762	350 5	61 37 24 122	
5 ~~24-05150~~	245	505	546 5	269 221 48 170	151	157	452 5	175 127 48 170	L.A. 24-05150 (WIL-I-5D)
L.A. 24-05150								170	OCEAN AVE E. OF EDISON RAMP
	1015	093			488	268		340	
	488	268							
	526	825							

JOB NO. ~~0301-02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ LONG BEACH PRECISE LEVEL NET

SURVEY BY DREIER

NOTES BY DREIER DATE 10-8-65 WEATHER OVERCAS INST. NO. 96716

INDEXED C. J. GALLI DATE TIME 8:25 8:45 ROD NO. 9 & 19

NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3747 PG. 109

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 3747 PG. 110

JOB NO. 0882.43

SURVEY OF LONG BEACH LEVEL LINES

SURVEY BY: DREIER NOTES DREIER

INDEXED [illegible] DATE

WEATHER OVERCAST INST. NO. 96716

TIME 10:55 ROD NO. 9#19

NOTES CHKD. [illegible] DATE OCT 21 '65

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM L.A. 24-05150 TO L.B.H.D. 834-R
L.A. 24-05150							L.A. 24-05150 (WIL. I-5D)
1	146 115	447 5	172 120 52	255 710	556 5	280 231 49	
2	36 514	337 5	50 23 27 79	296 999	597 5	296 281 30 79	
3	36 752	337 5	49 23 26 105	245 428	546 5	258 232 26 105	
4	152 767	453 5	168 136 32 137	166 062	467 5	183 149 34 139	
5	195 432	496 5	212 178 34 171	130 202 ✓	431 5	145 115 30 169 ✓	
L.B.H.D. 834-R						171	L.B.H.D. 834-R
	567 580	✓		1094 401 ✓		340 ✓	CHIS. SQ. ON U BOLT WELL #W-98
				567 580 ✓			
				526 821 ✓			

76P526 CE # 308 3-61

PLEASE RETURN TO
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403 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

JOB NO. 0882.43 SURVEY OF L.A. CO. PRECISE LEVEL NET — LONG BEACH
SURVEY BY G.E. DREIER DATE 10-8-65 WEATHER OVERCAST INST. NO 26716
NOTES BY G.E. DREIER TIME 8:55 TO 2:10 ROD NO 2819
INDEXED C. J. GALLI DATE NOTES CHKD DATE DEC 21 '65
F.B. 3747 Pg. 111

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM L.A. 24-05150 TO LB.H.D 1642
L.A 24-05150									L.A. 24-05150 (WIL I-5D)
1	196	724	497 5	228 164 64	119	515	420 5	151 87 64	OCEAN AVE E. OF EDISON RAMP
2	201	765	502 5	237 164 73 137	75	300	376 5	113 37 76 140	
3	227	461	528 5	258 196 62 199	87	868	388 5	118 56 62 202	
4	157	588	458 5	174 140 34 233 ✓	267	191	568 5	282 251 31 233 ✓	
L.B.H.D 1642								233 ✓	L.B.H.D. 1642
	783	538 ✓			549	874 ✓		466 ✓	S.W. COR RONTOON BRIDGE, CHIS. SQ.
	549	874 ✓							
	233	664 ✓							

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

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

209 / 56

Do not extend notes this side of this line.

F.B. 3747 PG. 112 JOB NO. 0882.43
SURVEY OF Long Beach Level Lines
SURVEY BY Dreier NOTES Dreier 10-8-65
INDEXED C. J. Gallt DATE

WEATHER Overcast INST. NO. 96716
TIME 10:30 To 10:50 ROD NO. 2 & 19
NOTES CHKD. [illegible] DATE OCT 21 1965

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM L.B.H.D. 1642 TO L.A. 24-05150
L.B.H.D. 1642							L.B.H.D. 1642
1	260 714	561 5	½ 260 226 68	219 692	520 5	252 186 66	S.W. COR PONTOON BR., CHIS. SQ.
2	110 842	411 5	124 96 28 96	189 905	490 5	204 174 30 96	
3	76 815	377 5	111 38 73 169	193 615	494 5	230 157 73 169	
4	123 232	424 5	154 92 62 231	201 999	5025	232 170 62 231 ✓	
L.A. 24-05150						231 ✓	L.A. 24-05150 (W/L I-5 D)
	571 603 ✓			805 211 ✓		462 ✓	OCEAN AVE., E. OF EDISON RAMP
				571 603 ✓			
				233 608 ✓			

0882.43 LONG BEACH

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

F.B. 3747 PG. 113

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

NOTES BY DREIER DATE 10-8-65 TIME 9:20 TO 9:30 ROD NO. 9 & 19

INDEXED C. J. GALLI DATE NOTES CHKD [illegible] DATE OCT [illegible] '65

76P526 CE # 308 3-61

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM L.B.H.D 1642 TO L.B.H.D 1639
L.B.H.D. 1642 (W)						½=77M.	RECIP.
1 (W)	263 290	564 5	264+ 261+ 3	241 196	542 5	154	DIFF ± 22.094
L.B.H.D. 1639 (E)							
L.B.H.D. 1642 W	279 380	580 5	½ 279 201 156 159	256 164	557 5	257 254 3 157 159	DIFF ± 23.216
2 E							
L.B.H.D. 1639 E				497 360		~~158~~ 316 ½ 158	MEAN ± 22.655
	542 670						
	497 360						
	45 310						
	½ 22 655						

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 L.B.H.D. 1639 TO L.B.H.D 1642
L.B.H.D 1639									L.B.H.D. 1639
1	255	717	556 5	257 254 3	278	898	579 5	278 201 154	N.E. COR PONTOON BRIDGE
					+ 255	717		3	
L.B.H.D 1642					− 23	181		157	L.B.H.D. 1642
									S.W. COR PONTOON BRIDGE
L.B.H.D. 1639				½ 297 220 NOT LEVEL					
1	242	610	543 5	154	265	006	566 5	267 264 3	
					242	610		154	
L.B.H.D. 1642					− 22	396		157	
									−23.181
									− 22.396
									SUM 45.577
									MEAN −22.788

F.B. 3747 PG. 114

JOB NO. 0882.43

SURVEY OF LONG BEACH LEVEL LINES

SURVEY BY DREIER NOTES G.E. DREIER 10-8-65

INDEXED G. J. GALLA DATE

WEATHER OVERCAST INST. NO. 96716

TIME 9:30 TO 9:45 ROD NO. 9819

NOTES CHKD [signature] DATE OCT 21 '65

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. ~~0901.02~~ 0882.43 SURVEY OF L.A. CO. PRECISE LEVEL NET LONG BEACH
SURVEY BY G.E. DREIER WEATHER OVERCAST INST. NO. 2716
NOTES BY DREIER DATE 10-8-65 TIME 2:55 TO 0:06 ROD NO. 2 & 19
INDEXED C. J. GALLI DATE NOTES CHKD DATE OCT 21 '65
F.B. 3747 Pg. 115

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM B.M. L.B.H.D. 1642 TO L.B.H.D. 1639
L.B.H.D. 1642							L.B.H.D. 1642
1	270 106	571 5	½ 270 / 233 74	239 307	540 5	½ 239 / 200 78	S.W. COR PONTOON BRIDGE, CHIS. SQ.
2	232 561	533	½ 233 / 159 148 / 222	240 703 ✓	541 5	½ 297 / 220 154 / 232 ✓ / 222	
L.B.H.D. 1639							L.B.H.D. 1639
+	502 667 ✓			48'0 010 ✓		454 ✓	N.E. COR. PONTOON
−	480 010 ✓						
+	22 657 ✓						

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 L.B.H.D 1639 TO L.B.H.D. 1642
L.B.H.D. 1639									L.B.H.D. 1639
1	238	628	539 5	297 ½ 220 OUT LEVEL 154	239	922	540 5	239 ½ 163 152	N.W. COR PONTOON BR., L. & SCREW.
2	249	891	550 5	290 208 82 236	271	800	572 5	271 ½ 234 74 226	VISIBILLITY BAD.
L.B.H.D. 1642								236	L.B. 1642
	488	519						462	S.W. COR. PONTOON BR., CHIS. SQ.
					− 511	722			
					+ 488	519			
					− 23	203			
					RERUN				
L.B.H.D. 1639									
1	241	130	542 5	297 ½ 220 NOT LEVEL 154	242	530	543 5	242 ½ 166 152	
2	247	165	548 5	287 206 81 235	269	088	570 5	269 ½ 231 76 228	VISIBLITY BAD
L.B.H.D. 1642								235	
	488	295						463	
					− 511	618			
					+ 488	295			
					− 23	323			

SUGGEST OMIT G.E.D.

F.B. 3747 PG. 116

SURVEY OF LONG BEACH LEVEL LINES

SURVEY BY DREIER NOTES DREIER 10-8-65

INDEXED C. J. GALLI DATE

JOB NO. 0882.43

WEATHER OVERCAST INST. NO. 96316

TIME 10:10 TO 10:20 ROD NO. 9 & 19

NOTES CHKD. [illegible] DATE OCT 21 '65

F.B. 3747 PG. 117

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ LONG BEACH PRECISE LEVEL NET

SURVEY BY DREIER WEATHER OVERCAST INST. NO. 96716

NOTES BY DREIER DATE 10-13-65 TIME 8:35 TO 8:50 ROD NO. 9 & 19

INDEXED C. J. GALLI DATE NOTES CHKD. [illegible] DATE OCT 21 '65

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

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM L.B.H.D. 1639 TO L.B. 1642
L.B.H.D. 1639									
1	242	036	543 5	154	243	029	544 5	1/2 243 167 152	
2	248	750	549 5	288 208 80 234	270	666	571 5	1/2 270 232 76 228 234 462	
L.B.H.D. 1642	490	786			- 513	695			
					+ 490	786			
					- 22	909			

76P526 CE # 308 3-61

F.B. 3747 Pg. 118 JOB NO. 0882.43

SURVEY OF _____

SURVEY BY _____ NOTES _____

INDEXED _____ DATE _____

WEATHER _____ INST. NO. _____

TIME _____ ROD NO. _____

NOTES CHKD _____ DATE _____

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403 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

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

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. ~~0301-02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ LONG BEACH PRECISE LEVEL NET

SURVEY BY G.E. DREIER DATE 10-11-65 WEATHER HAZY SUN INST. NO. 26716

NOTES BY G.E. DREIER TIME 11:45 TO 14:30 ROD NO. 260

INDEXED C. J. GALLI DATE NOTES CHKD DATE

F.B. 3747 PG. 119

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM L.B.H.D. 1639 TO L.B.H.D. 1836
L.B.H.D. 1639							L. B. H. D. 1639
1	157 552	458 5	190 124 66	140 513	441 5	172 108 64	N. E. COR. PONTOON BRIDGE
2	61 986	362 5	82 39 43 109 ✓	246 782	5471 5	268 224 49 108 ✓	✓
L.B.H.D. 1836		✓				109	L.B.H.D. 1836
	219 538			387 295 ✓		217	✓ BRASS SCREW IN LEAD N. OF WELL
				219 538 ✓			#M 222D
				167 757 ✓			

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. NO. 96716
ROD NO. 7819
DATE OCT. 1965
WEATHER HAZY SUN
TIME 2:00 TO 2:10
NOTES CHKD. DAM

F.B. 3747 Pg. 120
JOB NO. 0882.43
SURVEY OF LONG BEACH LEVEL LINES
SURVEY BY: DREIER NOTES DREIER 10-11-65
INDEXED G. J. GALLI DATE

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM B.M. L.B.H.D. 1836 TO L.B.H.D. 1639
L.B.H.D. 1836							L.B.H.D 1836
1	246 374	547 5	268 223 45	38 647	339 5	60 15 45	OIL WELL # W 222D
2	122 150	423 5	152 91 61	1162 054	463 5	194 130 64 ✓	
			106			109 ✓	
L.B.H.D. 1639						106 ✓	L.B.H.D. 1639
	+ 368 524 ✓			200 701 ✓		215	N.E. COR PONTOON BRIDGE
	- 200 701 ✓						
	+ 167 823 ✓						

76P526 CE # 308 3-61

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403 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

JOB NO. 0882.43 SURVEY OF L.A. CO. PRECISE LEVEL NET LONG BEACH
SURVEY BY G.E. DREIER DATE 10-11-65 WEATHER HAZY SUN INST. NO 36716
NOTES BY G.E. DREIER TIME 10:55 TR 11:08 ROD NO 2 #19
INDEXED C.J. GALL DATE NOTES CHKD DATE OCT 22 '65
F.B. 3747 Pg. 121

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM L.B.H.D. 1836 TO L.B.H.D. 1721
L.B.H.D. 1836									L.B.H.D. 1836
1	169	750	470	5 196 / 142 54	123	167	424	5 149 / 97 52	L. & BRASS SCREW IN MAT OF WELL W222D
2	185	747	486	5 210 / 160 50 / 104	45	138	346	5 70 / 20 50 / 102	
3	104	128	405	5 122 / 86 36 / 140	289	096	590	5 ½ 289 / 270 38 / 140	
L.B.H.D. 1721								140	L.B.H.D. 1721
+	459	625	✓		457	401	✓	280	OCEAN E. OF PONTOON BRIDGE, BRASS SCREW IN L. IN S.E. COR OF CATCH BASIN
−	457	401	✓						
+	2	224	✓						

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 L.B.H.D. 1721 TO L.B.H.D 1836
L.B.H.D. 1721									L.B.H.D. 1721
1	301	397	602 5	301 / 283 36	102	524	403 5	120 / 84 36	OCEAN, E. OF PONTOON BRIDGE
									BRASS SCREW IN LEAD IN S.E. COR
2	41	975	342 5	66 / 16 50 / 86	215	354	516 5	242 / 188 54 / 90	CATCH BASIN
3	144	643	445 5	164 / 123 41 / 127	183	016	484 5	203 / 163 40 / 130	
4	144	507	445 5	151 / 137 14 / 141	133	892	434 5	139 / 126 13 / 143	
L.B.H.D. 1836								141 / 284	L.B.H.D. 1836
	632	522			634	786			L. & BRASS SCREW IN MAT
					632	522			ON N. SIDE WELL # IN 222D
					2	264			

WEATHER HAZY SUN INST. NO. 96716

TIME 1:30 TO 2:00 ROD NO. 9819

NOTES CHKD. [signature] DATE OCT 21 '65

F.B. 3747 PG. 122 JOB NO. 0882.43

SURVEY OF LONG BEACH LEVEL LINES

SURVEY BY DREIER NOTES DREIER 10-11-65

INDEXED G. J. GALLI DATE

76P526 CE # 308 3-61

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A.CO. PRECISE LEVEL NET — LONG BEACH — 0.882.43

SURVEY BY L.E. DREIER — WEATHER HAZY-SUN — INST. NO 9671/6

NOTES BY G.E. DREIER — DATE 10-11-65 — TIME 1110 TO 1125 — ROD NO 9 & 19

INDEXED G.J. GALL — DATE — NOTES CHKD [illegible] — DATE OCT 21 '65

F.B. 3747 Pg. 123

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM L.B.H.D. 1721 TO L.B.H.D. 1724
L.B.H.D. 1721									L.B.H.D. 1721
1	222	404	523 5	243 201 42	122	918	423 5	143 102 41	OCEAN E. OF PONTOON BR.
									BRASS SCREW IN S.E. COR CATCH BASIN
2	172	052	473 5	196 148 48 90	124	875	425 5	149 99 50 91	
3	188	230	489 5	212 164 48 138 ✓	107	862	408 5	133 81 52 143 ✓	
								138 ✓	
L.B.H.D. 1724									L.B.H.D. 1724
+	582	686 ✓			355	655 ✓		281 ✓	OCEAN BLVD W. OF L.A. RIVER
−	355	655 ✓							CHIS. "X" ON M.H. RIM.
+	227	031 ✓							

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA		RIGHT MIC.	LEFT.	STADIA		FROM L.B.H.D. 1724 TO L.B.H.D. 1721
L.B.H.D. 1724									L.B.H.D. 1724
1	112 702	413 5	137 87	50	179 109	480 5	204 154	50	OCEAN BLVD. SO. SIDE, W. OF L.A. RIVER CHISELED "X" ON RIM OF M.H.
2	110 660	411 5	130 90	40 90	175 322	476 5	196 154	42 92	
3	142 000	443 5	160 124	36 126	184 978	485 5	202 166	36 128	
~~L.B.H.D 1721~~ 4	132 355	433 5	139 125	14 140	185 517	486 5	191 179	12 140	~~L.B.H.D. 1721~~
								140	
L.B.H.D 1721								280	L.B.H.D 1721
	497 717			-	724 926				OCEAN E. OF PONTOON BR.
				+	497 717				BRASS SCREW IN S.E. COR CATCH BASIN
				-	227 209				

F.B. 3747 PG. 124

JOB NO. 0882.43

SURVEY OF LONG BEACH LEVEL LINES

SURVEY BY DREIER NOTES DREIER 10-11-65

INDEXED C. J. GALLI DATE

WEATHER HAZY SUN INST. NO. 96716

TIME 12:10 TO 12:20 ROD NO. 9619

NOTES CHKD. [illegible] DATE OCT 21 '65

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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0882.43 LONG BEACH
JOB NO. ~~0501.02~~ SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY G.E. DREIER WEATHER HAZY SUN INST. NO 9676
NOTES BY G.E. DREIER DATE 10-11-65 TIME 11:25 TO 11:40 ROD NO. 2 & 19
INDEXED C. J. GALLI DATE NOTES CHKD [illegible] DATE 11-21-65
F.B. 3747 PG. 125

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM L.B.H.D. 1724 TO L.B.H.D. 1729
L.B.H.D. 1724							L.B.H.D 1724
1	188 053	489 5	209 167 42	36 812	337 5	57 15 42	OCEAN AVE. W. OF L.A. RIVER
2	249 645	550 5	263 236 27 69	31 212	332 5	44 18 26 68	CHISELED X ON M.H. RIM
3	288 452	589 5	½ 288 273 30 99	9 600	310 5	½ 25 ~~9~~ 82 100	
4	288 000	589 5	½ 288 270 36 135	44 178	345 5	62 26 36 136	
5	183 647	484 5	196 171 25 160 ✓	109 650	410 5	121 97 24 160 ✓	
L.B.H.D. 1729						160	L.B.H.D. 1729
+	1197 797 ✓			231 452 ✓		320	
−	231 452 ✓						
+	966 345 ✓						

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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F.B. 3747 PG. 126 JOB NO. C882.43

SURVEY OF Long Beach Level Lines

SURVEY BY Dreier NOTES Dreier 10-11-65

INDEXED C. J. GALLI DATE

WEATHER Hazy Sun INST. NO. 96716

TIME 11:45 TO 12:08 ROD NO. 9419

NOTES CHKD DT DATE OCT 22 '65

STATION	BACKSIGHT RIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
							FROM L.B.H.D. 1729 TO L.B.H.D. 1724
L.B.H.D.							L.B.H. D 1729
1	86 526	387 5	105 / 67 — 38	221 888	522 5	240 / 203 — 37	OCEAN BLVD. &
2	38 250	339 5	54 / 22 — 32 — 70	289 500	590 5	½ 289 / 272 — 34 — 71	BRASS SCREW IN LEAD ON W. ABUTMENT
3	3 041	305 5	½ 17 / 3 — 28 — 98	287 046	5885	½ 287 / 272 — 30 — 101	
4	18 302	319 5	33 / 3 — 30 — 128	229 231	530 5	243 / 213 — 30 — 131	
5	81 512	382 5	96 / 67 — 29 — 159	166 320	467 5	180 / 151 — 29 — 160	
L.B.H.D. 1724						159	L.B.H.D. 1724
	227 631 ✓		=	1193 985 ✓		319 ✓	
			+	227 631 ✓			CHISELED "X" ON M.H. RIM.
			−	966 354 ✓			

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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JOB NO. 0882.43 SURVEY OF ~~L.A. CO.~~ LONG BEACH PRECISE LEVEL NET
SURVEY BY DREIER WEATHER HAZY SUN INST. NO. 9276
NOTES BY DREIER DATE 10-11-65 TIME 3:15 TO 3:40 ROD NO. 9279
INDEXED C. J. GALLI DATE NOTES CHKD DATE
LT. BREEZE F.B. 3947 Pg. 127

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM L.B.H.D. 1729 TO L.B.H.D. 1731
L.B.H.D. 1729			154			192	L.B.H.D. 1729
1	133 832	434 5	111 43	171 740	472 5	150 42	OCEAN BLVD. &
							BRASS SCREW IN LEAD IN CTR. DIVIDER
2	117 808	418 5	141	109 906	410 5	132	
			93 48			86 46	ON TOP OF W. ABUTMENT
			91			88	
						91	L.B.H.D. 1731
L.B.H.D. 1731				+			
	251 640			381 646		179	OCEAN BLVD. & L.B. FRWY, W. SIDE
				+ 251 640			BRASS SCREW IN L. IN TOP OF ABUT.
				= 30 006			IN CTR. DIVIDER

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 3747 PG. 128 | JOB NO. 0882.43 | SURVEY OF LONG BEACH LEVEL LINES | SURVEY BY DREIER NOTES DREIER 10-11-65 | INDEXED G. de GALL | DATE

WEATHER HAZY SUN | INST. NO 96216 | TIME 2:50 TO 5:00 | ROD NO 9 & 19 | NOTES CHKD [illegible] | DATE OCT 21 '65

LT. BREEZE

STATION	BACKSIGHT RIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
							FROM L.B.H.D. 1731 TO L.B.H.D. 1729
L.B.H.D. 1731							L.B.H.D. 1731
1	75 161	376 5	102 54 48	97 123	398 5	124 53 71	OCEAN BLVD. & L.B. FRWY, W. SIDE
							BRASS SCREW IN TOP OF ABUT. IN
2	189 162	490 5	208 38 170 92	137 288	438 5	157 39 118 92 ✓	CTR DIVIDER
						92 ✓	
L.B.H.D. 1729						184 ✓	L.B. 1729
	264 323 ✓			234 411 ✓			
	- 234 411 ✓						
	+ 29 912 ✓						

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA		RIGHT MIC.	LEFT.	STADIA		FROM L.B.H.D. 1731 TO L.B.H.D. 1737
L.B.H.D. 1731									L.B.H.D. 1731
1	156 060	457 5	179 133	46	137 196	438 5	161 113	48	OCEAN BLVD. & L.B. FRWY, W. SIDE
									BRASS SCREW IN L. IN CTR DIVIDER
2	123 456	424 5	145 101	44 90	119 146	420 5	142 97	45 93	ON TOP OF W. ABUTMENT
3	142 060	443 5	157 127	30 120	128 572	429 5	143 113	30 123 120	
L.B.H.D. 1737									L.B.H.D. 1737
	421 576				384 914			243	OCEAN BLVD. & L.A. RIVER, E. SIDE
	384 914								BRASS SCREW IN L. IN CTR. DIVIDER
	36 662								ON TOP OF E. ABUTMENT

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ LONG BEACH PRECISE LEVEL NET

SURVEY BY G.E. DREIER

NOTES BY DREIER DATE 10-11-65

INDEXED C. J. GALLI DATE

WEATHER Hazy Sun INST. NO. 96716

TIME 3:18 TO 3:30 ROD NO. 9 & 19

NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3747 PG. 129

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 3747 PG. 130 JOB NO. 0882.43

SURVEY OF LONG BEACH LEVEL LINES

SURVEY BY DREIER NOTES DREIER 10-11-65

INDEXED C. J. GALLI DATE

WEATHER HAZY SUN INST. NO. 96716

TIME 2:40 TO 2:50 ROD NO. 9649

NOTES CHKD DATE OCT 21 '65

LT. BREESE

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM L.B.H.D. 1737 TO L.B.H.D. 1731
L.B.H.D. 1737							L.B.H.D. 1737
1	128 030	429 5	147 109 38	148 375	449 5	167 128 39	OCEAN & L.A. RIVER. E. SIDE.
							BRASS SCREW IN CENTER DIVIDER
2	126 024	427 5	148 104 44 82	118 750	419 5	141 95 46 85	
3	130 671	431 5	149 110 39 121	154 189	455 5	172 136 36 121 ✓	
						121 ✓	
L.B.H.D. 1731							L.B.H.D. 1731
	384 725 ✓			− 421 314 ✓		242	OCEAN BLVD. & L.B. FRWY, W. SIDE
				+ 384 725 ✓			BRASS SCREW IN LEAD IN TOP
				− 36 589 ✓			

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

[illegible]: ANY ADDITIONS OR CHANGES [illegible] HIS SHEET MUST 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 L.B.H.D. 1737 TO L.B.H.D. 1741
L.B.H.D. 1737							L.B.H.D. 1737
1	89 315	390 5	111 67 44	250 220	551 5	273 227 46	
2	26 446	327 5	41 11 30 74	262 868	563 5	277 247 30 76	
3	56 723	357 5	65 46 19 93	198 523	499 5	207 189 18 94 93	
L.B.H.D. 1741	172 484					187	L.B.H.D. 1741 OCEAN BLVD. & SAN FR
				− 711 611			
				+ 172 484			
				− 539 127			

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ L.B. PRECISE LEVEL NET

SURVEY BY G.E. DREIER

NOTES BY DREIER DATE 10-11-65

INDEXED C. J. GALLI DATE

WEATHER HAZY SUN LT BREEZE INST. NO 26716

TIME 3:30 TO 3:38 ROD NO. 9819

NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3747 PG. 131

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 L.B.H.D. 1741 TO L.B.H.D. 1737
L.B.H.D. 1741									L.B.H.D. 1741
1	284	113	585 5	300 268 32	17	238	318 5	1/2 33 17 32	OCEAN BLVD. & SAN FRANCISCO
									BRASS SCREW IN LEAD ON TOP
2	277	233	578 5	294 260 34 66	48	687	349 5	65 31 34 66	OF E. ABUTMENT IN CENTER DIVIDER
3,	162	563	463 5	174 149 25 91	119	021	420 5	132 106 26 92	
L.B.H.D. 1737								91	L.B.H.D. 1737
	723	909			184	946		183	OCEAN BLVD. & L.A. RIVER, E. SIDE
	184	946							BRASS SCREW IN LEAD IN
	538	963							CENTER DIVIDER

WEATHER HAZY SUN INST. NO. 96716
TIME 2:30 TO 2:40 ROD NO. 9 & 19
NOTES CHKD [signature] DATE OCT 21 '65

F.B. 3747 PG. 132 JOB NO. 0882.43
SURVEY OF LONG BEACH LEVEL LINES
SURVEY BY DREIER NOTES DREIER 10-11-65
INDEXED C. J. GALLI DATE

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM L.B.H.D. 1741 TO L.B. 1152
L.B.H.D. 1741							L.B.H.D. 1741
1	10 068	311 5	1/2 25 10 30	282 770	583 5	298 266 32	OCEAN BLVD, CENTER DIVIDER AT E. ABUT. L.A. RIVER, BRASS SCREW IN L.
2	16 630	317 5	30 2~~30~~ 28 58	233 527	534 5	247 219 28 60	
3	40 550	341 5	59 21 38 96	214 973	515 5	233 195 38 98 ✓	✓
L.B. 1152						96	L.B. 1152 L.B.H.D. 1696
	67 248 ✓			731 270 ✓		194 ✓	OCEAN BLVD. & GOLDEN AVE, N.E. COR.
				67 248 ✓			BRASS SCREW IN L. AT E. END C.R.
				664 022 ✓			

JOB NO. ~~0301.02~~ 0582.43 SURVEY OF ~~L.A. CO.~~ LONG BEACH PRECISE LEVEL NET

SURVEY BY G.E. DREIER

NOTES BY G.E. DREIER DATE 10-11-65

INDEXED C. J. GALLI DATE

WEATHER HAZY SUN LT. BREEZE INST. NO. 96716

TIME 3:38 TO 3:50 ROD NO. 9819

NOTES CHKD [illegible] DATE [illegible] 65

F.B. 3747 PG. 133

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F.B. 3747 PG. 134 JOB NO. 0882.43

SURVEY OF S.F.D.& Long Beach Level Lines

SURVEY BY DREIER NOTES DREIER 10-11-65

INDEXED G. J. GALLI DATE

NOTES CHKD. DATE

TIME 2:20 TO 2:28 ROD NO. 9819

WEATHER HAZY SUN INST. NO. 9676 DATE 11 21 65

STATION	BACKSIGHT RIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
							FROM L.B. 1152 TO L.B.H.D. 1741
L.B. 1152			229			64	L.B. 1152 (L.B.HD. 1696)
1	210 629	511 5	190 39	45 240	346 5	26 38	OCEAN BLVD. & GOLDEN AVE. N.E.COR
							BRASS SCREW IN CURB AT E. END E.C.R.
2	273 750	574 5	288 258 30 69	13 160	314 5	½ 27 13 32 70	
3	284 570	586 5	295 273 22 91	46 625	347 5	57 35 22 92 91	
L.B.H.D. 1741							L.B.H.D. 1741
+	768 949			105 025		183	OCEAN BLVD & SAN FRANCISCO, CENTER
−	105 025						DIVIDER, BRASS SCREW IN
+	663 924						LEAD ON TOP OF E. ABUTMENT

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA		RIGHT MIC.	LEFT.	STADIA	FROM L.B. 1152 TO L.B. 236
L.B. 1152								L.B. 1152 (L.B.H.D. 1696)
1	122 630	423 5	146 98	48	252 708	553 5	276 229	47 OCEAN BLVD. & GOLDEN AVE. N.E. COR
								BRASS SCREW IN L. AT E. END C.R.
L.B. 236								48 L.B. 236
	122 630				252 708			95 DISC IN HAND HOLE N. SIDE
					122 630			OCEAN W. OF GOLDEN AVE.
					130 078			

JOB NO. ~~D301.02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ LONG BEACH PRECISE LEVEL NET

SURVEY BY DREIER DATE 10-11-65 WEATHER HAZY SUN INST. NO 96716

NOTES BY DREIER DATE 10-11-65 TIME 3:50 TO 3:55 ROD NO. 9819

INDEXED C. J. GALLI DATE NOTES CHKD [illegible] DATE OCT 21 '65

LT. BREEZE

F.B. 3747 PG. 135

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. NO. 96716 ROD NO. 9 & 12 DATE OCT 21 '65

WEATHER HAZY SUN TIME 2:20 TO 2:25 NOTES CHKD. DLM

F.B. 3747 PG. 136 JOB NO. 0882.43

SURVEY OF LONG BEACH LEVEL LINES

SURVEY BY DREIER NOTES DREIER 10-11-65

INDEXED C. J. GALL DATE

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM L.B. 236 TO L.B. 1152
L.B. 236				276				147	L.B. 236 L.B.H.D. ?
1	253	296	554 5	230 46	123	154	424 5	99 48	DISC IN HAND HOLE
								46	
L.B. 1152								94	L.B. 1152 (L.B.H.D. 1696)
+	253	296	✓		123	154	✓		OCEAN BLVD. & GOLDEN AVE. N.E. COR
−	123	154	✓						BRASS SCREW IN L. AT E. END E.C.R.
+	130	142	✓						

F.B. 3747 Pg. 137

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ LB PRECISE LEVEL NET

SURVEY BY W. J. VOGE WEATHER Sunny - Clear INST. NO. 75234

NOTES BY BAZEN DATE 9-28-65 TIME 9:45 ROD NO. 95-96

INDEXED C. J. CALLI DATE NOTES CHKD. [illegible] DATE OCT 21 '65

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

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM BM LB 236 TO LB 1152
BM LB 236									BM L.B. 236
1	254	178	555 5	277 231 46	124	145	425 5	148 100 48	Ocean & Ocean Park AVE.
								46	
								94	BM. L.B. 1152
BM LB 1152									Ocean ave & Golden
	124	145							N.E. Cor.
diff = +	130	033							

π Lieber

76P526 CE # 308 3-61

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR 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 BMLB1152 TO BMLB236
BMLB 1152									BMLB 1152
1	131	831	432.5	155 107 48	261	885	562.5	284 238 46	OCEAN & GOLDEN N.E. COR
					131	.831		48	
					130	.054		94	Meters
BMLB 236									BM LB 236 OCEAN & OCEAN PARK AVE.

F.B. 5747 PG. 138 JOB NO. D 882 43

SURVEY OF Long Beach Precise Level Survey

SURVEY BY Vogue NOTES M.B.

INDEXED C. J. GALLI DATE

WEATHER clear (Hot) INST. NO. 95234

TIME 3:15 ROD NO. 95-96

NOTES CHKD. [illegible] DATE OCT 21 '65

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM LB 1152 TO LB 158
BM LB 1152									BM 1152 - LB Ocean & Golden N.E. cor.
1	216	580	517 5	245 188 57	100	140	401 5	129 73 56	
2	264	823	565 5	287 242 45 102	145	195	446 5	167 123 44 100 102	
BM LB 158	481	403			245	335		202	BM LB. 158 Ocean & Daisy N.W. cor.
	245	335							
diff. = +	236	068							

⊼ Lieber

JOB NO. ~~0301.02~~ 0882.93 SURVEY OF ~~L.A. CO.~~ LB PRECISE LEVEL NET

SURVEY BY W. J. YOGE

NOTES BY BAZEN DATE 9-28-65

INDEXED G. J. GALLI DATE

WEATHER Sunny-clear INST. NO 75234

TIME 9:50 ROD NO 95-96

NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3747 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 LB 158 TO BM LB 1152
BM LB 158									BM LB 158
									OCEAN & DAISY
1	149	257	450 5	172 / 126 46	269	400	570 5	291 / 247 44	N.W. COR.
2	108	362	409 5	134 / 79 58 / 104	224	381	525 5	253 / 195 58 / 102 / 104	
	257.619				493.781			206	meters
					257.619				
					236.162				
BM LB 1152									BM LB 1152
									OCEAN & GOLDEN
									N.E COR.

WEATHER Clear-Hot INST. NO 75234
TIME 3:10 ROD NO 95-96
NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3747 PG. 146 JOB NO. D 882.43
SURVEY OF L.B. Precise Level Survey
SURVEY BY Vogue NOTES M.B.
INDEXED C. J. GALLI DATE

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM LB 158 TO BM LB 571
BM LB 158									BM LB 158 Ocean & Daisy N.W. Cor.
1	232	913	533 5	272 / 192 80	106	523	407 5	146 / 66 80	
2	206	471	507 5	242 / 170 72 / 152	158	132	459 5	195 / 121 74 / 154 / 152	
BM LB 571									BM. LB 571 Ocean & chestnut S.E. Cor.
	439	384			264	655		306	
	264	655							
diff. = +	174	729							

JOB NO. ~~0301.02~~ 0882.93 SURVEY OF ~~L.A. CO.~~ L.B. PRECISE LEVEL NET

SURVEY BY W.J. VOGE

NOTES BY BAZEN DATE 9-28-65

INDEXED C. J. GALLI DATE

WEATHER Semi-O.C. INST. NO. 75234

TIME 10:05 ROD NO. 95-96

NOTES CHKD [illegible] DATE [illegible]

F.B. 3747 Pg 41

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM LB 571 TO BM LB 158
BM LB 571									BM LB 571 OCEAN & CHESTNUT S.E. COR.
1	163	050	464 5	199 127 72	211	688	512 5	248 174 74	
2	116	333	417 5	156 76 80 152	242	571	543 5	282 202 80 154 152	
	279.	383			454.	259		306	Meters
					279.	383			
					174.	876			
BM LB 158									BM LB 158 OCEAN & DAISY N.W. COR.

F.B. 3747 PG. 142

JOB NO. 0882.43

SURVEY OF Long Beach Precise Level Sur.

SURVEY BY Vogue NOTES M.B.

INDEXED G. J. GALLI DATE

WEATHER Clear (Hot) INST. NO. 75234

TIME 3:00 ROD NO. 95-96

NOTES CHKD [illegible] DATE OCT 2 1 '63

76P526 CE # 308 3-61

PLEASE RETURN TO

L ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

E: ANY ADDITIONS OR CHANGES HIS SHEET MUST BE MADE OR LED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM LB 571 TO LB 1155
BM LB 571									BM LB 571 Ocean & Chestnut S.E. cor.
1	149	283	450 5	181 117 64	145	715	446 5	178 112 66	
2	182	519	483 5	212 152 60	160	449	461 5	190 128 62	
				124 ✓				128 ✓	
								124 ✓	
BM. LB 1155									BM LB 1155 Ocean & Pacific S.E. cor.
	331	802 ✓			306	164 ✓		252	
	306	164 ✓							
diff. = +	25	638 ✓							

π Lieber

JOB NO. ~~0001.02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ LB PRECISE LEVEL NET

SURVEY BY W.J. VOGE DATE 9-28-65 WEATHER Semi-O.C. INST. NO. 75234

NOTES BY BAZEN DATE 9-28-65 TIME 10:20 ROD NO. 95-96

INDEXED C. J. GALLI DATE NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3747 PG. 143

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BMLB 1155 TO BM LB 571
BMLB 1155									BM LB 1155 Ocean & Pacific S.E. Cor
1	163	825	464 5	193 133 60	186	405	487 5	217 155 62	
2	153	958	454 5	185 121 64 124	156	970	457 5	189 123 66	
	317	783 ✓			343	375 ✓		128 ✓	
					317	783 ✓		124 ✓	
								252 ✓	meters
					25	592 ✓			
									BM LB 571 Ocean & CHESTNUT S.E. COR.

F.B. 3747 PG. 144 JOB NO. 0882.43

SURVEY OF Long Beach Fed. Sp. Level Sur.

SURVEY BY Vogue NOTES M.B.

INDEXED E. D. GALLI DATE

WEATHER Cedr INST. NO. 75234

TIME 2:45 - ROD NO. 95-96

NOTES CHKD [illegible] DATE OCT 21 '65

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. 0802.93 LB
SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY W. J. VOGT
NOTES BY BAZEN DATE 9-28-65 TIME 10:40 WEATHER Clear & sunny INST. NO 25254
INDEXED C. J. GALLI DATE ROD NO 25-96
NOTES CHKD W. J. Vogt DATE OCT 21 '65
F.B. 3747 Pg. 145

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM LB 1155 TO LB 63
BM LB 1155							LB 1155
			180			195	
1	156 721	457 5	132 48	170 722	471 5	145 50	Ocean & Pacific S.E. cor.
				56 721			
						48	
diff. =				— 14 001			
BM LB-63							BM LB-63
						98	Ocean & Pine S.W. Cor.
							↑ Lieber

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 BMLB 63 TO BMLB 1155
BM LB63									BM LB63
1	175	235	476 5	200 150 50	161	266	462 5	185 137 48	OCEAN & PINE
	161.	266						50	S.W. COR.
2	13.	969	cm					98	M.
									BM LB 1155
									OCEAN & PACIFIC
									S.W. COR.

F.B. 3747 PG. 146 JOB NO. 0882.43

SURVEY OF Long Beach Precise Level Sur.

SURVEY BY Vogt NOTES M.B.

INDEXED C. J. GALLI DATE

WEATHER Clear INST. NO. 75239

TIME 2:35 ROD NO. 95-96

NOTES CHKD [illegible] DATE OCT 21 65

76P526 CE # 308 3-61

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L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM LB-63 TO LB-570
BM LB-63									BM LB-63 Ocean & Pine S.W. cor.
1	209	837	510 5	249 169 80	98	731	399 5	138 58 80	
2	161	900	462 5	193 129 64 144	153	575	454 5	186 120 66 146 144	
BM LB-570									BM LB-570 Ocean & L.B. Blvd. So. side W. ~~[illegible]~~ ℄ Prod, in H.H.
	371	737			252	306		290	
	252	306							
diff. = +	119	431							

⊼ Lieber

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF ~~L.A.~~ LB CO. PRECISE LEVEL NET

SURVEY BY W. J. VOGE

NOTES BY BAZEN DATE 9-28-65

INDEXED C. J. GALLI DATE

WEATHER Clear & Sunny INST. NO. 75234

TIME 10:45 ROD NO. 95-96

NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3747 PG. 147

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 LB570 TO BM LB63
BM LB570									BM LB570 OCEAN & L.B. BLvd. on S. ab Ln. & W. of ℄ L.B. BLvd Prod in H.H.
1	156	285	457 5	189 33 / 156 66	164	950	465 5	196 / 132 64	
2	102	440	403 5	142 / 62 80	213	243	514 5	253 / 173 80	
				146				144	
	258	725			378	223		146	
					258	725		290	meters
					119	498			
BM LB63									BM LB63 OCEAN & PINE S.W. COR.

F.B. 3747 PG. 148

JOB NO. 0882.43

SURVEY OF Long Beach Precise Level Sec.

SURVEY BY Voge NOTES M.B.

INDEXED C. J. GALLI DATE

WEATHER Clear INST. NO. 75237

TIME 2:30 ROD NO. 95-96

NOTES CHKD [illegible] DATE OCT 21 '66

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM LB-570 TO LB-161
BM LB-570									BM LB-570 Ocean & L.B. Blvd. on S. curb line & W. of ℄ L.B. Blvd. Prod. in H.H.
1	196	265	497 5	230 162 68	126	602	427 5	160 92 68	
2	179	251	480 5	220 138 82	129	438	430 5	189 89 80	
				150 ✓				148 ✓	
								150 ✓	
BM LB-161									BM LB-161 Ocean & Linden S.E. Cor.
	375	516 ✓			256	040 ✓		298 ✓	
	256	040 ✓							
diff. = +	119	476 ✓							

JOB NO. ~~0301.02~~ 0882.47 SURVEY OF ~~L.A. CO.~~ LB PRECISE LEVEL NET

SURVEY BY W. J. VOGE

NOTES BY BAZEN DATE 9-28-65

INDEXED C. J. GALLI DATE

WEATHER Clear & Sunny

TIME 11:05

NOTES CHKD [illegible] DATE 11 21 65

INST. NO. 75234

ROD NO. 95-96

F.B. 3747 PG. 149

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM LB 161 TO LB 570
BM LB 161									BM LB 161 OCEAN & Linden S.E. Cor.
1	146	291	447 5	187 41x2 146 82	196	400	497 5	237 155 82	
2	119	268	420 5	154 84 70	188	455	489 5	222 154 68	
				152				150	
	265	559			384	855		152	
					265	559		302 M.	
					119	296 CM.			
BM LB570									BM LB 570 OCEAN & L. B. Blvd on S. Cb. Ln. & W of ℄ L.B. Blvd. Prod. in H.H.

F.B. 3747 Pg. 150

JOB NO. 0882 43

SURVEY OF L.B. Precise Level Sur.

SURVEY BY Vogue NOTES M.B.

INDEXED G. J. GALLI DATE

WEATHER Clear INST. NO. 75234

TIME 2:15 ROD NO. 25-96

NOTES CHKD [illegible] DATE OCT 21 '65

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM LB-161 TO L.B.721
LB-161									BM LB-161 Ocean & Linden S.E. Cor.
1	186	903	487 5	213 159 54	157	051	458 5	186 128 58	
	157	051						54	
diff ~~X~~ =	+ 29	852						112	
BM. LB 721									BM LB.-721 Ocean & Atlantic & Prod. S. 4' S. of S. curb Line.

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ LD PRECISE LEVEL NET

SURVEY BY W. J. VOGE WEATHER Clear & Sunny INST. NO. 75234

NOTES BY BAZEN DATE 9-28-65 TIME 11:30 ROD NO. 95-96

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

F.B. 3747 Pg. 151

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM LB 721 TO BM LB 161
BM LB 271									BM LB 271
1	155	642	456 5	182 128 54	185	522	486 5	213 157 56	Ocean & Atlantic
					155	642		54	& Prod 5.4' S. of S.
					29.880			110	Cb Ln.
									A J Bazen
BM LB 161									BM LB 161, Ocean & Linden S.E. Cor.

F.B. 3747 PG. 152

SURVEY OF Long Beach Precise Level Sur

SURVEY BY Vogue NOTES M.B.

INDEXED G. J. GALLE DATE

JOB NO. 8882.93

WEATHER Clear-Hot INST. NO. 75234

TIME 2:10 ROD NO. 95-96

NOTES CHKD [illegible] DATE OCT 21 '65

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0861.02 SURVEY OF L.A.CO. PRECISE LEVEL NET

SURVEY BY W. BUSTRUM DATE 2-28-65 WEATHER WINDY INST. NO. 25234

NOTES BY C. J. GALLI DATE TIME 1:20 ROD NO 85-96

INDEXED DATE NOTES CHKD DATE

F.B. 3747 Pg 53

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM LB-721 TO LB-3
BM LB-721							BM LB-721 Ocean & Atlantic & Prod. S. 4' S. OF S. Ch. Ln.
1.	199 860	500 5	237 / 161 76	136 621	437 5	173 / 99 74	
2.	150 965	451 5	173 / 127 46	187 369	4885	211 / 163 48	T V. LIEBER.
	350 825		122	323 990 ✓		122 ✓	
	323,990 ✓					122 ✓	
	+ 268 35 ✓					244 meters	
							BM LB-3 OCEAN & ALAMITOS N.E.COR.

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LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM LB-3 TO BM LB-721
BM LB-3									BM LB-3 OCEAN & ALAMITOS N.E. COR. ~~5.4' S of S. Cb. Ln.~~
1	193	820	494 5	216 170 46	159	141	460 5	186 132 54	
2	~~130~~	~~493~~	~~431 5~~	~~165 95~~	~~192~~	~~184~~	~~493 5~~	~~229 157 70~~	
2	129	392	430 5	167 91 76	191	061	492 5	224 158 66	
				122				120	
	323	212			350	202		122	
					323	212		242	M.
					26	990	CM.		
BM LB 721									BM LB 721 OCEAN & ATLANTIC ℄ Prod. 5.4' S. of S. Cb. Ln.

F.B. 3747 PG. 154

JOB NO. 0882.43

SURVEY OF L.B. Precise Level Sur.

SURVEY BY Vogue NOTES M. Bustrum

INDEXED C. J. GALLI DATE

WEATHER Clear INST. NO. 75236

TIME 1:55 ROD NO. 95-96

NOTES CHKD [illegible] DATE OCT 2 '65

F.B. 3747 PG. 155

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ LB PRECISE LEVEL NET

SURVEY BY Vogc WEATHER Windy INST. NO. 75234

NOTES BY M BUSTRUM DATE 9-28-65 TIME 1:30 ROD NO. 95-96

INDEXED G. J. GALLI DATE NOTES CHKD WJM DATE OCT 21 '65

PLEASE RETURN TO

L. ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM BM LB-3 TO BM LB 774
BM LB-3									BM LB 3 OCEAN & ALAMITOS N.E. COR.
1	182	258	483 5	222	86	135	387 5	126	80
	86	135		142 80				46	80
	+ 96.123								80 meters 160 ft V. LIEBER
									BM LB 774 OCEAN & BONITO N.W. COR.

76P526 CE # 308 3-61

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LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM BMLB 774 TO BM LB3
BMLB 774							BM LB 774
1	~~137 176~~	~~438~~ 5	~~166 118~~ ~~38~~	~~194 132~~	~~498 5~~	~~216 178~~ ~~38~~	OCEAN & BONITO N.W. COR.
1	135 797	4365	154 116 38	194 971	4955	213 175 38	⊼ J. BAZEN
2.	165 867	4665	186 144 42 80	202 668	5035	223 181 42 80 ✓	
	301.664 ✓			397.639 ✓		80 ✓	
				301 664 ✓		160 m.	
				95.975 cm			
BMLB 3							BM LB 3 OCEAN & ALAMITOS N.E COR.

101
65 49

F.B. 3747 PG. 156

JOB NO. 0882.43

SURVEY OF LB Precise Level Sw.

SURVEY BY Vogel NOTES MB

INDEXED G. J. GALLI DATE

WEATHER Clear-Hot INST. NO. 75234

TIME 1:35-1:45 ROD NO. 95-96

NOTES CHKD [illegible] DATE OCT 21 '[illegible]

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM LB 3 TO LB 774
BM LB 3									BM LB 3 Ocean Bl. & Alamitos N.E. Cor.
1.	204	742	505 5	232 176 56	138	125	439 5	166 110 56	
2.	174	011	475 5	186 162 24 80	144	610	445 5	156 131 25 81 80 161	Re run
	378	753			282	735			
	282	735							
diff. = +	96	018							BM LB 774 Ocean Bl. & Bonito N.E. Cor.

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ LB PRECISE LEVEL NET

SURVEY BY W.J. Yoga WEATHER Overcast INST. NO. 75234

NOTES BY BAZEN DATE 10-8-65 TIME 10:20 ROD NO. 95-96

INDEXED C. J. GALLI DATE NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3747 PG. 157

F.B. 3747 PG. 158 JOB NO. 0882.43

SURVEY OF L.B. Precise Level Sur.

SURVEY BY _____ NOTES _____

INDEXED C. J. GALL DATE _____

WEATHER _____ INST. NO. _____

TIME _____ ROD NO. _____

NOTES CHKD _____ DATE _____

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403 Los Angeles County Engineering Bldg.

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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

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

76P526 CE # 308 3-61

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM LB 774 TO BM LB 775
BM LB 774									BM LB 774 OCEAN & BONITO N.W. COR
1	171	988	472 5	199 / 143 56	122	278	423 5	150 / 94 56	
2	163	305	464 5	178 / 148 30	156	855	457 5	169 / 143 26	✓ ⊼ V. LIEBER
	335	293 ✓		86	279	133 ✓		82 ✓	
	279.	133 ✓						86 ✓	
+	56.	160 ✓						168 ✓ meters.	
									BM LB 775 OCEAN & CERRITOS N.W. COR.

0882.43

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

SURVEY BY W.J. Yoge WEATHER Windy INST. NO. 75234

NOTES BY M. Poustrum DATE 9-28-65 TIME 1:40 ROD NO. 95-96

INDEXED G. J. GALLI DATE NOTES CHKD [signature] DATE OCT 68

F.B. 3247 PG. 159

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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.

WEATHER Sunny - windy INST. NO. 75234
TIME 3:15 ROD NO. 95-96
NOTES CHKD DATE Oct 21 '65

F.B. 3747 PG. 160 JOB NO. 0982.03
SURVEY OF L.B. Precise Level Sec.
SURVEY BY Hogg NOTES Brazen
INDEXED G. J. GALLI DATE

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM BM LB-775 TO BM LB-774
BM LB-775							BM LB-775 Ocean & Cerritos N.W. Cor.
1	164 297	465 5	179 30 / 149	170 757	471 5	183 / 157 26	
2	127 763	428 5	155 56 / 99 84	177 582	478 5	205 56 / 149	82 ✓ / 86 ✓ / 168
BM LB-774	292.060 ✓			348 339 ✓			BM LB-774 Ocean & Bonita N.W. Cor.
				292.060 ✓			
				− 56.279 CM			

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM LB 775 TO BM LB 244
BM LB 775									BM LB 775 OCEAN & CERRITOS N.W. COR.
1	184	111	485 5	207 161 46	124	099	425 5	147 101 46	
2	188	313	489 5	222 164 48	173	893	474 5	197 24 22 173 48	
	372	424	✓	94	297	992	✓	94 ✓	✓ ⊼ V. LIEBER
	297	992	✓					94 ✓	
	74	432	✓					188 ✓	
									BM LB 244 OCEAN & ORANGE AVE N.E. COR

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ LB PRECISE LEVEL NET

SURVEY BY W. J. Page WEATHER Windy INST. NO. 75234

NOTES BY M. Bustrum DATE 9-28-65 TIME 1:50 ROD NO. 95-96

INDEXED C. J. GALLI DATE NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3747 PG. 161

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

WEATHER Sunny - Clear INST. NO. 75234
TIME 3:00 ROD NO. 95-96
NOTES CHKD. DATE OCT 21 '65

F.B. 3707 PG. 162
SURVEY OF LB Precise Level Jun.
SURVEY BY Logs NOTES Bazen
INDEXED G. J. GALLI DATE
JOB NO. 0882.43

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM BM LB-244 TO BM LB-775
BM LB-244							BM LB-244 Ocean & Orange N.E.Cor.
1	156 605	457 5	180 / 132 48	171 238	472 5	196 / 146 50	
2	126 981	427 5	149 / 103 46	186 859	487 5	208 / 164 44	
			94			94 ✓	
BM LB-775		✓			✓	94 ✓	BM LB-775
	283 586			358 097 ✓		188	✓ Ocean & Cerritos N.W.Cor.
diff. =			—	283 586 ✓			
				74 511 ✓			

76P526 CE # 308 3-61

PLEASE RETURN TO

L. ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BMLB244 TO BMLB 776
BM LB244									BM LB 244 OCEAN & ORANGE AVE'S N.E. COR.
1	193	153	494 5	216 / 170 46	175	422	476 5	198 / 151 47	
2	143	343	444 5	157 / 128 29	184	679	485 5	198 / 170 28	⊼ V. LIEBER
	336	496	✓	75	360	101	✓	75	✓
					+ 336	496	✓	75	✓
					23	605	✓	150	✓
									BM LB 776 OCEAN & ESPERANZA N.W COR.

JOB NO. ~~0001.02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ LB PRECISE LEVEL NET

SURVEY BY W. J. Voge

NOTES BY M. Bustrum DATE 9-28-65

INDEXED C. J. GALLI DATE

WEATHER Windy

TIME 2:00

NOTES CHKD [illegible] DATE OCT 21 '65

INST. NO 452.34

ROD NO 95-96

F.B. 3747 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				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM LB-776 TO LB-244
BM LB-776									BM LB-776
									Ocean & Esperanza
1	181	067	482 5	195 / 167 28	139	727	440 5	153 / 125 28	N.W. cor.
2	167	343 / ~~[illegible]~~	468 5	190 / 144 46	185	107	486 5	208 / 162 46	
				74				74	
BM LB-244								74	BM LB-244
	348	410			324	834		148	Ocean & Orange N.E. cor.
	324	834							
diff. = +	23	576							

⊼ Bustrum

F.B. 3747 PG. 164 JOB NO. 0882.43

SURVEY OF L.D. Precise Level Sur.

SURVEY BY Hoge NOTES BAZEN

INDEXED C. J. GALLI DATE

WEATHER Sunny-clear INST. NO. 75234

TIME 2:45 ROD NO. 95-96

NOTES CHKD [illegible] DATE OCT 21 '65

76P526 CE # 308 3-61

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L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM LB776 TO BM LB 15
BM LB776									BM LB 776, OCEAN & ESPERANZA N. W. COR
1	165	915	466 5	187 / 143 44	165	772	466 5	188 / 142 46	
2	143	246	444 5	168 / 119 49	162	318	463 5	187 / 137 50	⊼ V. LIEBER
	309	161 ✓		93	328	090 ✓		96 ✓	
					309	161 ✓		93 ✓	
								189 ✓	
					18	929 ✓			BM LB 15 OCEAN & FALCON AVE. N.E. COR

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ LB PRECISE LEVEL NET

SURVEY BY Vogel WEATHER WINDY INST. NO. 75234

NOTES BY M BUSTRUM DATE 9-28-65 TIME 2:15 ROD NO. 95-96

INDEXED C. J. GALLI DATE NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3749 PG. 165

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM LB-15 TO LB-776
BM LB-15									BM LB-15 Ocean & Falcon N.E. cor.
1	158	761	459 5	183 133 50	140	013	441 5	164 116 48	
2	163	983	464 5	185 141 44 94	163	905	464 5	186 140 46 94	
BM LB-776								94	BM LB-776 Ocean & Esperanza N.W. cor.
	322	744			303	918		188	
	303	918							
diff. = +	18	826							
									⊼ Bustrum

WEATHER Sunny-clear INST. NO. 75234
TIME 2:30 ROD NO. 95-96
NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3747 PG. 166 JOB NO. 0882.43
SURVEY OF Long Beach Precise Level Sur.
SURVEY BY Vogt NOTES BAZEN
INDEXED C. J. GALLI DATE

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

N[illegible]: ANY ADDITIONS OR CHANGES [illegible] HIS SHEET MUST BE MADE OR CH[illegible]LED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM LB 15 TO BM LB 778
BM LB 15									BM LB 15 OCEAN BLVD & FALCON AVE. N.E. COR
1.	203	713	504 5	211 / 195 16	143	785	444 5	151 / 135 16	
2.	177	721	478 5	207 / 148 59	125	949	426 5	155 / 95 60	✓
	381	434	✓	75	269	734	✓	76	✓ ⊼ V. LIEBER
	269	734	✓					75	
	+ 110	700	✓					151	✓
									BM LB 778 OCEAN BLVD & GAVIOTA AVE. N.W. COR.

JOB NO. ~~0301.02~~ 0882.47 SURVEY OF ~~L.A. CO.~~ LB PRECISE LEVEL NET

SURVEY BY Vega

NOTES BY M POUSTRUM DATE 9-28-65

INDEXED C. J. GALLI DATE

WEATHER WINDY

TIME 2:25

NOTES CHKD [illegible] DATE [illegible]

INST. NO. 75734

ROD NO. 95-96

F.B. 3747 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				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM LB-778 TO LB-15
BM LB-778									BM LB-778 Ocean & Gaviota N.W. Cor.
1	123	207	424 5	152 94 58	175	023	476 5	205 145 60	
2	136	925	437 5	144 128 16	196	757	497 5	204 188 16	
				74				76	
BM LB-15								74	BM LB-15 Ocean & Falcon N.E. Cor
	260	132			371	780		150	
					260	132			
diff. =					111	648			

* Bustrum

F.B. 3747 PG. 168 JOB NO. 0882.43

SURVEY OF Long Beach Precise Level Sun

SURVEY BY VOGE NOTES BAZEN

INDEXED C. J. GALLI DATE

WEATHER Sunny & Clear INST. NO. 75234

TIME 2:20 ROD NO. 95.96

NOTES CHKD [illegible] DATE OCT 21 '65

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM LB 778 TO BM LB 246
BM LB 778									BM LB 778, OCEAN BLVD & GAVIOTA AVE. N. W. COR.
1	189	171	490 5	219 / 159 60	97	872	398 5	127 / 67 60	
2	172	095	473 5	185 / 159 26	183	078	484 5	196 / 170 26	
+	361	266	✓	86	280	950	✓	86	⊼ V. LIEBER.
−	280	950	✓					86	
+	80	316	✓					172	
									BM LB 246 OCEAN BLVD & HERMOSA AVE. N. W. COR.

JOB NO. ~~030102~~ 088243 SURVEY OF ~~L.A. CO.~~ LB PRECISE LEVEL NET

SURVEY BY Voge

NOTES BY M Poust Rum DATE 9-28-65

INDEXED C. J. GALLI DATE

WEATHER Windy INST. NO. 75234

TIME 2:40 ROD NO. 85-96

NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3747 PG. 169

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 LB 246 TO LB 778
BM. LB-246									BM LB-246
									Ocean & Hermosa
1	183	642	484 5	196 170 26	172	861	473 5	185 159 26	N.W. cor.
2	100	505	401 5	130 70 60	191	505	492 5	221 161 60	
				86				86	
BM LB-778								86	BM LB.-778
	284	147			364	366		172	Ocean & Gaviota
					284	147			N.W. Cor.
diff. =					80	219			

⊼ Bustrum

F.B. 3747 PG. 170

JOB NO. D 882.43

SURVEY OF Long Beach Precise Level Sur.

SURVEY BY VOGE NOTES BAZEN

INDEXED R. J. GATTI DATE 9-29-65

WEATHER Sunny & clear INST. NO. 252 [illegible]

TIME 2:40 ROD NO. 25-98

NOTES CHKD [illegible] DATE OCT 21 '65

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. 088243 SURVEY OF L.A. CO. PRECISE LEVEL NET L B
SURVEY BY [illegible] DATE 9-28-65 WEATHER WINDY INST. NO. 22294
NOTES BY M. BOSTRUM TIME 3:00 ROD NO. 25-96
INDEXED C. J. GALLI DATE NOTES CHKD [illegible] DATE 10 21 65
F.B. 3797 PG. 171

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM BM LB 246 TO BM LB 780
BM LB 246							BM LB 246
							OCEAN BLVD & HERMOSA
1	214 951	515 5	236 192 44	129 688	430 5	151 107 44	AVE. N.W. COR
			198			135	
2	174 495	475 5	150 48	111 689	412 5	87 48	
	+ 389 446 ✓		92	241 377 ✓		92 ✓	
	- 241 377 ✓					92	V. LIEBER
	+ 148 069 ✓					184	meters
							BM LB 780
							OCEAN BLVD & CHERRY
							AVE
							N.E. COR

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 LB 780 TO LB 246
BM LB 780									BM. LB-780 Ocean & Cherry N.E. cor.
1	103	893	404 5	127 79 48	167	155	468 5	191 143 48	
2	130	403	431 5	152 108 44	215	279	516 5	237 193 44	
				92 ✓				92 ✓	
BM LB 246								92 ✓	BM LB-246
	234	296 ✓			382	434 ✓		184 ✓	Ocean & Hermosa N.W. cor.
					234	296 ✓			
diff. =				—	148	138 ✓			

π Bustram

F.B. 3747 PG. 172 JOB NO. D 88 Br. 43

SURVEY OF Long Beach Precise Level Sou.

SURVEY BY KOGE NOTES BAZEN

INDEXED G. J. GALLI DATE

WEATHER Sunny-clear INST. NO. 25234

TIME 2:00 ROD NO. 95-96

NOTES CHKD. [illegible] DATE OCT 2 [illegible]

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM LB 780 TO BM LB 16
BM LB 780									BM LB 780 OCEAN BLVD & CHERRY AVE. N.E. COR.
1	252	327	553 5	273 231 42	61	449	362 5	82 40 42	
2	204	439	505 5	226 182 44	292	379	593 5	292 269 23x2 46	
				86				88	
	456	766	✓		353	828	✓	86	π V.L
	353.	828	✓						
								174	meters
+	102.	938	✓ CM						
BM LB 16									BM LB 16 OCEAN & JUNIPERO N.E. COR.

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ LB PRECISE LEVEL NET

SURVEY BY W. J. Voge WEATHER ~~[illegible]~~ Overcast INST. NO. 75234

NOTES BY M. Bustrum DATE ~~[illegible]~~ 6-16-65 TIME 8:50 ROD NO. 95-96

INDEXED C. J. GALLI DATE NOTES CHKD. [illegible] DATE 11 21 65

F.B. 3747 PG. 173

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM LB 16 TO BM LB 780
BM LB 16									BM LB 16
1.	293	205	594 5	293 270 23x2 46	205	060	506 5	227 183 44	Ocean BL. & Junipero NE Cor.
2.	65	452	366 5	86 44 42	256	489	557 5	277 235 42	
	358	657		88	461	549		86	BM 780
					358	657		88	Ocean BL & Cherry Ave
					102	892		174	N.E. Cor.

F.B. 3747 PG. 174

JOB NO. 0882.43

SURVEY OF Long Beach Precise Level Net

SURVEY BY Voge NOTES Voge

INDEXED G. J. GALLI DATE

WEATHER Overcast INST. NO. 75234

TIME 9:35 ROD NO. 95-96

NOTES CHKD. [illegible] DATE OCT 21 '65

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM LB 16 TO BM LB 1072
BM LB 16									BM LB 16 OCEAN & JUNIPERO NE. COR
1	161	613	462 5	179 143 36	194	442	495 5	212 176 36	
2	113	138	414 5	137 89 48 84	213	068	514 5	237 189 48 84	
3	102	535	403 5	127 77 50 134	219	490	520 5	243 195 48 132	
4	100	108	401 5	119 81 38 172	210	062	511 5	229 191 38 170	
	477.394				837.062			172	
					477.394			342	Meters
					359.668				
BM LB 1072									BM LB 1072 OCEAN & LINDERO N.E. COR

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ LB PRECISE LEVEL NET
SURVEY BY W. Vogue
NOTES BY M Bustrum DATE 10-4-65
INDEXED C. J. [illegible] DATE
WEATHER OVERCAST INST. NO. 75234
TIME 9:10 ROD NO. 95-96
NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3747 PG. 175

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BMLB1072 TO BMLB16
BMLB1072									BMLB1072 OCEAN & LINDERO N.E. COR
1	218	062	519 5	237 199 38	107	550	408 5	126 88 38	
2	223	100	524 5	247 199 48 86	99 ~~99~~	645	400 5	124 74 50 88	
3	215	588	516 5	240 190 50 136	121	935	422 5	145 97 48 136	
4	202	052	503 5	220 184 36 172	169	970	470 5	187 151 36 172	BM LB16 Ocean Blvd & Junipero N.E. Ct.
	858	802	✓		499.	100	✓	172	
	499.	100	✓					344	
	+359.	702	✓						

F.B. 3747 PG. 176

JOB NO. 0882 43

SURVEY OF Long Beach Precise Level Survey

SURVEY BY Voge NOTES Voge

INDEXED C. J. GALLI DATE

WEATHER Overcast INST. NO. 75234

TIME 9:20 AM ROD NO. 95-96

NOTES CHKD [illegible] DATE OCT 21 '65

76P526 CE # 308 3-61

PLEASE RETURN TO

L ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

E: ANY ADDITIONS OR CHANGES HIS SHEET MUST BE MADE OR C LED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM LB 1072 TO BM LB 1073
BM LB 1072									BM LB 1072 OCEAN & LINDERO N.E. COR.
1	146	917	447 5	170 122 48	148	968	449 5	172 124 48	
2	144	603	445 5	165 123 42 90	155	642	456 5	177 133 44 92	
3	158	647	459 5	189 127 62 152	138	490	439 5	168 108 60 152	
4	150	015	451 5	155 145 10 162	162	053	463 5	167 157 10 162	
	600	182			605	153		162	
					600.	182		324	
					4.	971			
BM LB 1073									BM LB 1073 OCEAN & TEMPLE N.W. COR.

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ LB. PRECISE LEVEL NET

SURVEY BY W. VOGUE

NOTES BY M. BUSTRUM DATE 10-4-65

INDEXED G. J. GALLI DATE

WEATHER OVERCAST INST. NO. 752.34

TIME 9:30 ROD NO. 95-96

NOTES CHKD. [illegible] DATE OCT 21 '65

F.B. 3747 PG. 177

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 1073 TO BM LB 1072
BM LB 1073									BM LB 1073 OCEAN & TEMPLE N.W. COR.
1	172	615	473 5	177 167 10	159	955	460 5	164 154 10	
2	145	647	446 5	176 114 62 72	168	728	469 5	199 137 62 72	
3	163	718	464 5	185 141 44 116	149	960	450 5	170 128 42 114	
4	153	892	454 5	178 128 50 166	152	215	453 5	176 128 48 162	
	635.	872			630.	858		166	
	630.	858						328 m.	
+	5.	014 cm.							
BM LB 1072									BM LB 1072 OCEAN & LINDERO N. ~~W.~~ E. COR.

WEATHER overcast INST. NO. 752-34
TIME 9:05 ROD NO. 95-96
NOTES CHKD. [illegible] DATE OCT 21 '65

F.B. 3741 PG. 178 JOB NO. 0882.43
SURVEY OF Long Beach Precise Level Survey
SURVEY BY Vogel NOTES M. Bustrum
INDEXED C. J. GALLI DATE

76P526 CE # 308 3-61

PLEASE RETURN TO

L ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

E: ANY ADDITIONS OR CHANGES HIS SHEET MUST BE MADE OR LED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BMLB 1073 TO BMLB 1074
BMLB1073									BM LB 1073 OCEAN & Temple N.W.COR
1	180	484	481 5	214 146 68	136	313	437 5	170 102 68	
2	146	869	447 5	170 122 48 116	130	632	431 5	154 106 48 116	
3	154	330	455 5	180 128 52 168	145	659	446 5	171 26×2 145 52 168	
	481.683				412.604			168	
	412.604							336	
+	69.079								
BMLB1074									BM LB1074 OCEAN & PALOMA N.W. COR.

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ L.B. PRECISE LEVEL NET

SURVEY BY M.B. DATE 10-4-65 WEATHER Overcast INST. NO. 75234

NOTES BY C. J. GALL DATE 10-4-65 TIME 10:00 ROD NO. 95-96

INDEXED DATE NOTES CHKD DATE 11 21 65

F.B. 37417 Pg. 179

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 LB 1074 TO BM LB 1073
BM LB 1074									BM LB 1074 OCEAN & PALOMA N.W. COR.
1	151	748	452 5	177 125 52	160	300	461 5	186 134 52	
2	135	120	436 5	160 110 50 102	168	038	469 5	193 143 50 102	⊼ J. BAZEN
3	154	475	455 5	190 118 72 174	182	138	483 5	217 148 70 172	
	441.343				510.476			174	
					441.343			346 m.	
					69.133 cm				
BM LB 1073									BM LB 1073 OCEAN & TEMPLE. N.W. COR.

F.B. 3747 PG. 180

JOB NO. 0882.43

SURVEY OF Long Beach Precise Level Survey

SURVEY BY Yoge NOTES M. Bustrum

INDEXED C. J. GALLI DATE

WEATHER OVERCAST

TIME 8:45

NOTES CHKD. [illegible]

INST. NO. 75-230

ROD NO. 95-96

DATE OCT 21 '65

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY W. B. Vogue DATE 10-4-65 WEATHER Overcast INST. NO. 22234
NOTES BY W. B. TIME 10:20 ROD NO. 25-26
INDEXED C. J. GALLI DATE NOTES CHKD DATE
F.B. 3747 Pg. 181

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM BM LB 1074 TO BM LB 1075A
BM LB 1074							BM LB 1074 OCEAN & PALOMA N.W. COR
1	173 845	474 5	204 142 62	135 735	436 5	166 104 62	
2	153 723	454 5	183 123 60 122	138 680	439 5	167 109 58 120	
3	159 851	460 5	186 131 55 171 ✓	164 192 ✓	465 5	191 137 54 174 ✓	
	487.419 ✓			438.607 ✓		171	
	438.607 ✓					351 ✓	Meters
+	48.812 ✓						
BM LB 1075A							BM LB LB 1075A OCEAN & REDONDO N.E. COR.

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 1075A TO BM LB 1074
BM LB 1075A									BM LB 1075A OCEAN & REDONDO AVE. N.E. COR.
1	174	542	475 5	201 147 54	170	078	471 5	197 143 54	
2	144	698	445 5	173 115 58 112	159	242	460 5	189 129 60 114	π BAZEN
3	139	293	440 5	170 108 62 174	178	032	479 5	208 148 60 174	
	458.	533			507.	352		174	
					458.	533		348 M.	
BM LB 1074				—	48.	819	CM.		BM LB 1074 OCEAN & PALOMA N. W. COR.

F.B. 3747 PG. 182

JOB NO. 0882.43

SURVEY OF Long Beach Precise Level Survey

SURVEY BY Voge NOTES M. BUSTRUM

INDEXED C. J. GALLI DATE

WEATHER Cledr INST. NO. 75234

TIME 10:20 ROD NO. 95-96

NOTES CHKD [illegible] DATE OCT 21 '65

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM LB1075A TO BM LB1076
BM LB1075A									BM LB1075A OCEAN & REDONDO AVE. N.E. COR
1	158	344	459 5	168 147 21	152	648	453 5	163 141 21	
2	155	762	456 5	183 129 56 77	155	138	456 5	184 126 58 79	
3	102	837	403 5	127 77 50 127	300	345	601 5	300 274 26×2 52 131	
4.	42	225	343 5	66 18 48 175	232	439	533 5	255 209 46 177 175	
	459.168				840.570			352 Metres	
					459.168				
BM LB1076					381.402				BM LB 1076 OCEAN & EUCLID AVE. IN THE N. CB. OF OCEAN 61' ± E. OF E. CB OF EUCLID

JOB NO. ~~0801.02~~ 088.43 SURVEY OF ~~L.A.~~ LB CO. PRECISE LEVEL NET

SURVEY BY W. VOGUE WEATHER OVERCAST INST. NO. 75234

NOTES BY M. BUSTRUM DATE 10-4-65 TIME 10:35 ROD NO. 95-96

INDEXED C. J. GALLI DATE NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3749 PG. 183

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM LB 1076 TO BM LB 1075A
BM 1076									BM LB 1076 OCEAN & EUCLID AVE. IN THE N. CB. of OCEAN 61' ± E. of E. CB OF EUCLID
1	233	458	534 5	256 210 46	41	612	342 5	65 17 48	
2.	280	999	581 5	280 26 x 2 254 52	86	597	387 5	112 60 52	
3.	159	113	460 5	187 98 131 56 154	158	240	459 5	186 100 130 56 156	
4.	157	042	458 5	168 146 22 176	162	995	463 5	173 151 22 178	
	830.612 ✓				~~449.444~~ ~~CM.~~			176 ✓	
	449.444 ✓				449.444 ✓			354 m.	
+	381.168 ✓ CM.								
BM 1075A									BM 1075 A OCEAN & REDONDO AVE N.E. COR.

F.B. 3747 PG. 184 JOB NO. 0882.43

SURVEY OF Long Beach Precise Level Survey

SURVEY BY Vogt NOTES M Bustrum

INDEXED C. J. GALLI DATE

WEATHER Clear INST. NO. 75234

TIME 10:00 ROD NO. 95-96

NOTES CHKD [illegible] DATE OCT 21 '63

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. 0307.02 SURVEY OF L.A.CO. PRECISE LEVEL NET
SURVEY BY W. Vogel
NOTES BY W. Russ Reed DATE 10-4-65 WEATHER Clear
INDEXED G. J. GALLI DATE NOTES CHKD DATE TIME 11:20 INST. NO 25234
ROD NO 85-42
F.B. 3794 Pgs 85

0882.43
L.B.

STATION	BACKSIGHT				FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA
BM LB 1076								From BM LB 1076 To BM LB 37
								BM LB 1076
								OCEAN & EUCLID AVE.
1	114	780	4155	142 86 56	240	373	5415	269 211 58
								In the N. cb. of OCEAN
2	62	527	363 5	98 32x2 62 64	263	523	5645	295 231 64 122
				120				61' ± E. of E. cb. of
3	36	381	337 5	48 24 24	233	692	5345	245 221 24
				144				EUCLID
4	103	099	404 5	173 93 20	256	140	557 5	265 247 18
				164 ✓				164 ✓
								164 ✓
	316	787 ✓			993	728 ✓		328 Meter
					316	787 ✓		
					−676	941 ✓		
								T V. Licber
BM LB 37								BM LB 37
								OCEAN & TERMINO AVE
								N.E. COR.

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 BMLB37 TO BMLB 1076
BMLB 37									BMLB 37 OCEAN BLVD & TERMINO AVE. N.E. COR.
1	253	700	554 5	262 244 18	100	330	401 5	109 91 18	
2	228	150	529 5	239 217 22 40	31	885	332 5	43 19 24 42	
3	266	464	567 5	298 234 64 104	63	493	364 5	95 31 64 106	
4	239	750	540 5	268 210 58 162	115	353	416 5	143 87 56 162	
	988.064				311.	061		162	
	311.061							324	M.
+	677.003		CM.						
BMLB 1076									BM LB 1076 OCEAN & EUCLID AVE. In the N. Cb OF OCEAN 61'± E. OF E. Cb. of EUCLID.

F.B. 3747 PG. 186 JOB NO. 0882.43

SURVEY OF Long Beach Precise Level Survey

SURVEY BY Vogt NOTES M.B.

INDEXED C. J. GALLI DATE

WEATHER Clear INST. NO. 75230

TIME 1:40 ROD NO. 95-96

NOTES CHKD [illegible] DATE OCT 21 '65

76P526 CE # 308 3-61

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS FROM BMLB 37 TO BMLB-966
BMLB 37									BMLB 37 OCEAN BLVD & TERMINO AVE. N.E.COR.
1	56	666	357 5	76 36 40	210	375	511 5	229 191 38	
2	114	674	415 5	142 86 56	170	281	471 5	200 140 60	
3	156	172	457 5	180 132 96 48	160	630	461 5	184 136 98 48	
4	160	900	461 5	176 144 32	132	405	434 5	149 115 146 34	
				176				180	
+	488	412			− 673	691		176	
					+ 488	412		356 M.	
					− 185	279 CM			
BMLB 966									BMLB 966 OCEAN BLVD (S side) & Prospect Ave.

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ LB PRECISE LEVEL NET

SURVEY BY W. J. Vogo

NOTES BY M. Bustrum DATE 10-4-65

INDEXED C. J. GALLI DATE

WEATHER Clear (windy) INST. NO. 75234

TIME 1:30 ROD NO. 95-96

NOTES CHKD [illegible] DATE 11 21 65

F.B. 3747 PG. 187

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 BMLB 966 TO BM LB 37
BMLB966									BM LB 966 OCEAN BLVD (S. side) & PROSPECT AVE.
1	134	845	435 5	150 118 32	163	487	464 5	180 146 34	
2	161	088	462 5	185 137 48	156	842	457 5	180 132 48	
3	172	545	473 5	202 142 60 80	116	630	417 5	144 88 56 82	⊼ BAZEN
4	218	746	519 5	237 199 38 140 178	64	975	365 5	84 44 40 138 178	
	687.224				501.934			178	
	501.934							356	m.
+	185.290		c.m.						
BM LB 37									BM LB 37 OCEAN BLVD & TERMINO AVE. N.E. COR.

F.B. 3747 PG. 188

JOB NO. 0882.43

SURVEY OF Long Beach Precise Level Survey

SURVEY BY Voge NOTES M Bustrum

INDEXED C. J. CALLI DATE

WEATHER Clear INST. NO. 75239

TIME 9:20 ROD NO. 95-96

NOTES CHKD. [illegible] DATE OCT 21 '65

76P526 CE # 308 3-61

PLEASE RETURN TO

L ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BMLB966 TO BMLB211
BMLB966									BMLB 966 Ocean Blvd & Prospect Ave
1	136	999	437 5	163 109 54	158	700	459 5	185 131 54	
2	155	245	456 5	184 126 58	189	020	490 5	218 160 58	⊼ BAZEN
	292	244	✓	112	-347	720	✓	112 ✓	
					+292	244	✓	112 ✓	
					-55	476	✓	224 ✓	meters
BMLB211									BM LB 211 OCEAN BLVD & PARK AVE N.E. COR.

JOB NO. ~~0301.02~~ 0882.42 SURVEY OF ~~L.A. CO.~~ L.B. PRECISE LEVEL NET

SURVEY BY W Voge

NOTES BY M Bertram DATE 10-4-65

INDEXED C. J. GALLI DATE

WEATHER Clear (w. Nd) INST. NO. 75234

TIME 1:50 ROD NO. 95-96

NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3740 PG. 189

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 LB 211 TO BM LB 966
BM LB 211									BM LB 211 OCEAN BLVD & PARK AVE. N.E. COR.
1	193	713	494 5	222 164 58	160	452	461 5	189 131 58	
2	156	796	457 5	183 129 54	134	680	435 5	161 107 54	
								112	
	350	509		112	295	132		112	
	295	132						224	M.
	+ 55	377	CM						
BM LB 966									BM LB 966 OCEAN BLVD (S. Side) & PROSPECT AVE.

F.B. 3749 PG. 190 JOB NO. 0882.43

SURVEY OF Long Beach Precise Level Survey

SURVEY BY Vogt NOTES

INDEXED C. J. GALLI DATE

WEATHER Clear INST. NO. 75238

TIME 3:10 ROD NO. 25-96

NOTES CHKD. [illegible] DATE OCT 21 '60

CE # 308 3-61

PLEASE RETURN TO

L ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

E: ANY ADDITIONS OR CHANGES HIS SHEET MUST BE MADE OR C. LED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM LB 211 TO BM LB 38
BM LB 211									BM LB 211
1	183	944	484 5	208 / 158 50	148	108	449 5	173 / 123 50	OCEAN BLVD & PARK AVE. N.E. COR.
2	157	715	458.5	186 / 128 58	199	822	500 5	230 / 168 62	
	341.659			108	347.930			112	⊼ BAZEN
					341.659			108	
					6.271			220	Meters
BM LB 38									BM LB 38 OCEAN BLVD & GRANADA AVE. N.E. COR

JOB NO. 0882.43 SURVEY OF ~~L.A.~~ L.B. CO. PRECISE LEVEL NET

SURVEY BY W. Voge

NOTES BY M Bostrum DATE 10-4-68

INDEXED C. J. GALLI DATE

WEATHER Clear

TIME 2:10

NOTES CHKD. [illegible] DATE OCT 21 '65

INST. NO. 752 34

ROD NO. 95-46

F.B. 3747 PG. 191

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 LB 38 TO BM LB 211
BM LB 38									BM LB 38 OCEAN & GRANADA AVE. N.E.C OR.
1	201	523	502 5	232 170 62	159	367	460 5	187 131 56	
2	150	222	451 5	174 126 48 110	186	230	487 5	213 159 54 110	π BAZEN
3	351	745	✓		345	597	✓	110	
	345	597	✓					220	
	+ 6	148	✓ cm.						
BM LB 211									BM LB 211. OCEAN BLVD & PARK AVE. N. E.COR.

F.B. 3747 PG. 192 JOB NO. 6882.43

SURVEY OF Long Beach Precise Level Survey

SURVEY BY Yoke NOTES M.B.

INDEXED C. J. GALL DATE

WEATHER Clear INST. NO. 75234

TIME 2:55 ROD NO. 95-96

NOTES CHKD. [illegible] DATE [illegible]

76P526 CE # 308 3-61

PLEASE RETURN TO

L ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BMLB38 TO BM LB212
BMLB38									BMLB 38 OCEAN & GRANADA AVE N.E. COR
1	171	640	472 5	201 141 60	142	747	443 5	172 112 60	
2	155	100	456 5	188 122 66	152	380	453 5	186 118 68	⊼ BAZEN
3	169	680	470 5	188 150 38 126 164 ✓	181	438	482 5	200 162 38 128 166 ✓ 164 ✓	
	496.420 ✓				476.565 ✓			330 ✓ M.	
	476.565 ✓								
+	19.855 ✓ C.M.								
BM LB212									BM LB 212 OCEAN BLVD & GLENDORA AVE. N. W. COR.

JOB NO. 0892.43 ~~0301.02~~ SURVEY OF ~~L.A. CO.~~ LB. PRECISE LEVEL NET

SURVEY BY W. Voge WEATHER Clear INST. NO. 75234

NOTES BY M. Bustrum DATE 10-4-65 TIME 2:25 ROD NO. 95-96

INDEXED C. J. GALLI DATE NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3742 PG. 193

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 BMLB-212 TO BMLB 38
BM LB 212								186 148 38	BM LB 212
1	178	745	479 5	197 159 38	167 ~~160~~	317 ~~310~~	468 5 ~~461~~ 5	~~187~~ ~~133~~ ~~4~~	OCEAN BLVD & GLENDORA AVE. N.W. COR.
2	161	518	462 5	194 128 66 104	159	528	460 5	193 125 68 106	
3	144	693	445 5	174 114 60 164	173	810	474 5	203 143 60 166	
	484	956			500	655		164	
BMLB 38					− 484	956		330	BM LB 38 OCEAN & GRANADA AVE. N.E. COR.
					− 15	699			

F.B. 3747 PG. 194 JOB NO. 0882.63

SURVEY OF Long Beach Precise Level Survey

SURVEY BY Yog C NOTES M.B.

INDEXED C. L. GALLI DATE

WEATHER Clear INST. NO. 152.34

TIME 2:30 ROD NO. 95-96

NOTES CHKD. [illegible] DATE OCT 21 '65

76P526 CE # 308 3-61

PLEASE RETURN TO

L ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

N E: ANY ADDITIONS OR CHANGES HIS SHEET MUST BE MADE OR C LED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA		RIGHT MIC.	LEFT.	STADIA		FROM LB-212 TO LB-38
BM LB-212									BM LB-212, Ocean & Glendora N.W. Cor
1	179 257	480 5	198 160	38	168 779	469 5	186 150	36	
2	154 657	455 5	188 120	68	155 579	456 5	188 122	66	(Rerow)
				106				102	
3	123 678	424 5	153 93	60	153 112	454 5	184 122	62	
				166				164	
	457 592				477 470			166	
					457 592			330	
diff.					19 878				
BM LB-38									BM LB-38, Ocean & Granada N.E. Cor.

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF L. ~~A. CO.~~ LB PRECISE LEVEL NET

SURVEY BY W. J. Vogt

NOTES BY LB DATE 10-8-65

INDEXED C. J. GALLI DATE

WEATHER overcast INST. NO. 25234

TIME 12:00 ROD NO. 95-96

NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3749 PG. 195

F.B. 3749 Pg. 196 JOB NO. 0882.43

SURVEY OF Long Beach Precise Level Sec.

SURVEY BY _____ NOTES _____

INDEXED _____ DATE _____

WEATHER _____ INST. NO. _____

TIME _____ ROD NO. _____

NOTES CHKD _____ DATE _____

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 Los Angeles County Engineering Bldg.

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

Do not extend notes this side of this line.

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

76P526 CE # 308 3-61

PLEASE RETURN TO

L ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BMLB212 TO BM I-6B
BMLB212									BM LB 212 OCEAN BLVD & GLENDORA AVE. N.W. COR.
1	172	200	473 5	200 144 56	160	795	461 5	189 131 58	
2	151	200	452 5	176 126 50 106	146	318	447 5	170 122 48	
3	165	490	466 5	180 150 30 136	192	190	493 5	206 178 28 106	
	488.890 ✓				499.303 ✓ 488.890 ✓			134 ✓ 136 ✓ 270 ✓	
					10.413 ✓ cm.				
BM I-6B									BM I-6B OCEAN BLVD & BAY SHORE AVE. (APP. & INT)

JOB NO. 0882.43 ~~0301.02~~ SURVEY OF ~~L.A.~~ L.B. CO. PRECISE LEVEL NET

SURVEY BY Vogel

NOTES BY M. Bost Ron DATE 10-4-65

INDEXED C. J. GALN DATE

WEATHER Clear Windy INST. NO. 45234

TIME 2:45 ROD NO. 95-96

NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3747 Pg. 197

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

INST. NO. 3234 ROD NO. 95-96 DATE OCT 21 '65

WEATHER Clear TIME 2:15 - NOTES CHKD. [illegible]

F.B. 5744 PG. 198 JOB NO. 0882.43

SURVEY OF Long Beach Precise Level Survey

SURVEY BY [illegible] NOTES [illegible]

INDEXED G. J. GALLI DATE

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM BM I-6B TO BM LB 212
BM I 6B							BM I-6B OCEAN BLVD & BAY SHORE AVE. APP. & INT.
1	192 113	493 5	206 178 28	165 100	466 5	180 150 30	
2	148 753	449 5	172 124 48	154 795	455 5	178 130 48	T BAZEN.
3	163 180	464 5	192 134 58	173 755	474 5	202 144 58	
			96 78			78 136 ✓	
	504 046 ✓		134	493 650 ✓		134 ✓	
1	493 650 ✓					270	Meters
BM 212	+10396 ✓						BM 212 OCEAN BLVD. & GLENDORA AVE. N.W. COR.

76P526 CE # 308 3-61

PLEASE RETURN TO

L ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

E: ANY ADDITIONS OR CHANGES HIS SHEET MUST BE MADE OR C. LED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM I 6B TO BM LB-39
BM I-6B									BM I-6B
1	185	622	486 5	204 166 38	198	265	499 5	217 179 38	OCEAN BLVD & BAY SHORE AVE. (APP. E INT)
					185	622		38	
					12	643	CM.	76	M.
									A BAZEN
BM LB 39									BM LB 39 OCEAN & 54TH P.L. N.E. COR.

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF ~~L.A.~~ LB CO. PRECISE LEVEL NET

SURVEY BY W. Voge

NOTES BY M Bustrum DATE 10-4-65

INDEXED C. J. GALLI DATE

WEATHER Clear INST. NO. 152 34

TIME 3:00 ROD NO. 95 96

NOTES CHKD. [illegible] DATE OCT 21 '65

F.B. 3747 PG. 199

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 LB 39 TO BM I-6B
BM LB 39									BM LB 39
1	198	438	499 5	217 179 38	185	862	486 5	205 165 40	OCEAN BLVD & 54th PL. N.E. COR.
	185	862						38	
								78 M.	
BM I 6B	+12	576	cm.						BM I-6B OCEAN BLVD & BAY SHORE AVE. APP. & INT.

F.B. 3747 PG. 200 JOB NO. 0882.43

SURVEY OF Long Beach Precise Level survey

SURVEY BY Log & NOTES

INDEXED W. J. GALLE DATE

WEATHER Clear INST. NO. 75234

TIME 3:05 ROD NO. 95-96

NOTES CHKD [illegible] DATE OCT 21 '65

76P526 CE # 308 3-61

PLEASE RETURN TO

L ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM LB 39 TO BM LB 967
BM LB 39									BM LB 39 OCEAN BLVD & 54 TH. PL. N.E. COR
1	222	210	523.5	251 193 58	187	222	488.5	216 158 58	
2	157	320	458.5	185 129 56	196	418	497.5	224 168 56	
				114				114	
3								114	
	379.530				383.640			228	M.
					379.530				
					4.110 CM.				
BM LB 967									BM LB 967 OCEAN BLVD 600'± W. OF 55 TH PL. ON S.

JOB NO. ~~0801.02~~ 0882.43 SURVEY OF ~~L.A.~~ L.B. CO. PRECISE LEVEL NET

SURVEY BY W. Voge

NOTES BY M. Bustrum DATE 10-4-65

INDEXED C. J. GALLI DATE

WEATHER Clear windy INST. NO. 75234

TIME 3:15 ROD NO. 95-96

NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3747 PG. 201

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 LB967 TO BM LB39
BM LB967									BM LB967 (Δ I-6A) ℄ OCEAN, 622' ± W. of 55th PL.
1	196	625	497 5	224 168 56	154	150	455 5	182 126 56	
2	184	532	485 5	213 155 58 114	222	932	523 5	251 193 58 114 114	
	381.	157			377.	082		228	Meters
	377.	082							
BM LB 39	+ 4.	075							BM LB 39 OCEAN BLVD & 54th PL. NE. COR.

F.B. 3747 PG. 202 JOB NO. 0882 43

SURVEY OF Long Beach Precise Level Survey

SURVEY BY Vogle NOTES

INDEXED C. J. GALLI DATE

WEATHER Clear INST. NO. 75234

TIME 1:40 ROD NO. 95-96

NOTES CHKD [illegible] DATE [illegible]

76P526 CE # 308 3-61

PLEASE RETURN TO

L ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

E: ANY ADDITIONS OR CHANGES HIS SHEET MUST BE MADE OR LED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM LB 967 TO LB-224
BM-LB967									BM-LB967 (△I-6A) ℄ Ocean 622'± W of 55th PL.
1	184	951	485 5	216 152 64	134	698	435 5	166 102 64	
2	151 ~~149~~	423	452 5	166 136 30 94	163	423	464 5	178 148 30 94	
BM LB-224								94	BM LB-224
	336	374			298	121		188	Ocean @ 55th PL. S.E. Cor.
	298	121							
diff. = +	38	253							

π Bustrum

JOB NO. ~~0301.02~~ 088243 SURVEY OF ~~L.A. CO.~~ L.B. PRECISE LEVEL NET

SURVEY BY W.J. VOGE

NOTES BY BAZEN DATE 10-5-65

INDEXED C. J. GALLI DATE

WEATHER Sunny-clear Temp 65°

TIME 8:50

NOTES CHKD [illegible] DATE

INST. NO 75234

ROD NO. 95-96

F.B. 3747 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.

INST. NO. 75238 ROD NO. 95-96 DATE OCT 21 '65

WEATHER Clear TIME NOTES CHKD

F.B. 3747 PG. 204 JOB NO. 0882.43

SURVEY OF Long Beach Precise Level Survey

SURVEY BY Volpe NOTES M.B.

INDEXED C. J. GALLI DATE

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM BM LB 224 TO BM LB 967
BM LB 224							BM LB 224 OCEAN & 55th Pl.
1	170 095	4715	185 155 30	157 710	4585	173 141 32	S.E. COR.
2	143 145	4445	175 141 64 94	193 782	4945	223 161 64 96 94	M.
	313.240	✓		351.492	✓	190	
BM LB 967				313.240	✓		BM LB 967 (I-6A) & OCEAN 622' ± W. OF 55th Pl.
				38.252	CM.		

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET LB
SURVEY BY W. J. VOGE DATE 10-5-65 WEATHER Sunny - clear Temp 65° INST. NO 75234
NOTES BY BAZEN TIME 9:05 ROD NO 95-96
INDEXED C. J. GALLI DATE NOTES CHKD DATE
F.B. 3749 Pg. 205

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM LB-224 TO LB-979
BM LB-224							BM LB-224 Ocean & 55th Pl., S.E. Cor.
1	174 918	4755	193/155 38	172 228	4735	122/82 40	
2	135 105	4365	165/106 59 97	161 157	4625	191/131 60 100	
3	120 907	4215	151/89 62 159 ✓	147 458	4485	178/116 62 162 ✓	
BM LB-979						159	BM LB-979
	430930 ✓			480843 ✓		321 ✓	Ocean & 57th Pl. ctr. isl. N. curb.
				430930 ✓			
diff. =			—	49913 ✓			

T Bustrum

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM LB 979 TO BM LB 224
BM LB 979									BM LB 979 OCEAN & 57th PL., Ctr. Isl. N. Cb.
1	160	354	461 5	190 130 60	135	380	436 5	166 104 62	
2	166	928	467 5	196 136 60 120	140	130	441 5	169 111 58 120	
3	172	477	473 5	292 152 40 160	174	403	475 5	194 154 40 160 160 320	
	499.759				449.913				
	449.913								
BM LB 224									BM LB 224 OCEAN & 55th PL. S.E. COR.
+	49.846 Cm.								

F.B. 3747 PG. 206 JOB NO. 0882.03

SURVEY OF Long Beach Precise Level Survey

SURVEY BY Vogt NOTES M.B.

INDEXED C. J. GALLO DATE

WEATHER Clear INST. NO. 75234

TIME 1:30 ROD NO. 95-96

NOTES CHKD [illegible] DATE OCT 21 '65

76P526 CE # 308 3-61

PLEASE RETURN TO

L ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM LB-979 TO LB-225
BM LB-979									BM LB-979 Ocean & 57th Pl., ctr. isl. N. curb.
1	147	330	448 5	180 114 66	144	695	445 5	177 111 66	
2	168	453	469 5	199 137 62 128	160	223	461 5	160 128 ½ 64 130	
3	160	877	461 5	179 141 38 166	195	448	496 5	214 176 38 168	
BM. LB-225								166	BM. L.B.-225 Ocean & 62nd Pl. N.E. Cor.
	476	660			500	366		334	
					476	660			
diff. =				—	23	706			

T Bustrum

JOB NO. ~~0801.02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ L.B. PRECISE LEVEL NET

SURVEY BY W. J. VOGE. WEATHER Sunny-clear T. = 70°

NOTES BY BAZEN DATE 10-5-65 TIME 9:20 INST. NO 75234

INDEXED C. J. GALLI DATE NOTES CHKD. [signature] DATE OCT 21 '65 ROD NO. 95-96

F.B. 3247 PG. 267

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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 LB 225 TO BM LB 979
BM LB 225									BM LB 225 OCEAN & 62nd PL. N.E.COR.
1	200	724	501 5	219 181 38	166	242	467 5	185 147 38	
2	149	777	450 5	149 32 42 117 64 102	156	840	457 5	187 125 62 100	
3	152	690	453 5	184 120 64 166	156	555	457 5	189 123 66 166	
	503	191			479	637		166	
	479	637						332	meters
BM LB 979									BM 979 OCEAN & 57th PL., Ctr Isl. N. Cb.
+	23	554	CM						

F.B. 3747 PG. 208

SURVEY OF Long Beach Precise Level Sur.

SURVEY BY Vogt NOTES

INDEXED C. I. GALLI DATE

JOB NO. 0882.43

WEATHER clear

TIME 1:20

NOTES CHKD [illegible]

INST. NO. 75234

ROD NO. 95-96

DATE OCT 21 '65

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0882.43 SURVEY OF LB LA. CO. PRECISE LEVEL NET

SURVEY BY W. J. VOGE

NOTES BY BAZEN DATE 10-5-65 TIME 9:40 WEATHER Sunny-calm 70° INST. NO 75234

INDEXED C. J. GALLI DATE NOTES CHKD [illegible] DATE OCT 21 1965 ROD NO. 95-96

F.B. 374 Pg. 209

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM LB-225 TO LB-980 (J-7A)
BM LB-225							BM LB-225, Ocean & 62nd Pl., N.E. cor.
1	184 880	485 5	202 166 36	167 153	468 5	185 149 36	
2	169 278	470 5	185 153 32	192 875	493 5	209 173 34	✓
			68			70	✓
BM LB-980						68	BM LB-980 (Δ J-7A)
	354 158	✓		360 028	✓	138	Ocean & 64th Pl. in H.H. on & Ocean on So.
				354 158	✓		
diff. =			—	5870	✓ cm		

X Bustrum

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BMLB 980 TO BMLB 225
BMLB 980									BMLB 980 (Δ J-7A) OCEAN & 64th PL. IN H.H. ON E OCEAN SO.
1	193	780	494 5	209 177 32	170	170	471 5	186 154 32	
2	185	040	486 5	203 167 36 68	202	970	503 5	221 183 38 70 68	
	378.820				373.140			138	meters
	373.140								
BMLB 225	+5.680		cm						BM LB 225 OCEAN & 62nd PL. N.E.COR.

F.B. 3747 PG. 210 JOB NO. 8882.43

SURVEY OF Long Beach Precise Level Survey

SURVEY BY Voge NOTES M.B.

INDEXED C. J. GALLI DATE

WEATHER Clear INST. NO. 75234

TIME 11:30 ROD NO. 95-96

NOTES CHKD [illegible] DATE [illegible]

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM LB-980 TO LB-226
BM LB-980									BM. LB-980 (△ J-7A)
					157	509	458 5	190 124 66	Ocean & 64th Pl., in H.H.
1	194	273	495 5	228 160 68	~~157~~	~~837~~	~~458 5~~	~~196 118~~	on ℄ Ocean on So.
2	143	313	444 5	161 125 36	146	945	447 5	164 128 36	✓
				104	✓			102	✓
BM LB-226								104	BM LB-226
	337	586	✓		304	454	✓	206	Ocean & 67th Pl. N.E. Cor.
	304	454	✓						
diff = +	33	132	✓ Cm						

★ Bustrum

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF ~~L.A.~~ L.B. CO. PRECISE LEVEL NET

SURVEY BY W.J. VOGE

NOTES BY BAZEN DATE 10-5-65

INDEXED C. J. GALLI DATE

WEATHER Sunny-Calm INST. NO 75234

TIME 9:50 ROD NO. 95-96

NOTES CHKD [signature] DATE 11 21 '65

T = 72°

F.B. 3747 PG. 211

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BMLB 226 TO BMLB 980
BMLB 226									BM LB 226 OCEAN & 67th Pl. N.E. COR
1	151	330	452 5	169 133 36	147	520	448 5	165 129 36	
2	147	480	448 5	180 114 66 102	184	196	485 5	218 150 68 104 102 206	
	298.810				331.716				
					298.810				
BMLB 980					32.906		cm		BM LB 980 (ΔJ-7A) OCEAN & 64th Pl. in H.H. ON ℄ OCEAN SO.

F.B. 3747 PG. 212

JOB NO. 0882.43

SURVEY OF Long Beach Precise Level Survey

SURVEY BY Vogt NOTES M.B.

INDEXED G. J. GALLI DATE

WEATHER Clear INST. NO. 95234

TIME 11:20 ROD NO. 95-96

NOTES CHKD [illegible] DATE [illegible]

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM LB-980 (ΔJ-7A) TO LB-226
BM LB-980									BM LB-980 (ΔJ-7A) Ocean & 64th Pl., in H.H. on ℄ Ocean on So.
1	193	455	494 5	228 158 70	156	268	457 5	191 121 70	
2	142	323	443 5	158 126 32 102	146	591	447 5	164 128 36 106 102	
	335	778			302	859		208	
	302	859							
diff. = +	32	919							
BM LB-226									BM LB-226 Ocean & 67th Pl. N.E. cor

(RERUN)

(RERUN)

⊼ Bustrum

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

SURVEY BY W.J. VOGE DATE 10-8-65 WEATHER overcast INST. NO 25234

NOTES BY BAZEN DATE 10-8-65 TIME 11:10 ROD NO 95-96

INDEXED C. J. GALLI DATE NOTES CHKD [illegible] DATE [illegible] '65

F.B. 3717 PG. 213

F.B. 3747 Pg. 214 JOB NO 2881. 43

SURVEY OF L. B. Precise Level Surv.

SURVEY BY _____ NOTES _____

INDEXED _____ DATE _____

WEATHER _____ INST. NO. _____

TIME _____ ROD NO. _____

NOTES CHKD _____ DATE _____

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LOS ANGELES COUNTY ENGINEER

403 Los Angeles County Engineering Bldg.

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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

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

76P526 CE # 308 3-61

PLEASE RETURN TO

L ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM LB-226 TO LB-1100-A
BM LB-226									BM LB-226 Ocean & 67th Pl. N.E. Cor.
1.	151	673	4525	178 124 54	160	888	4615	187 133 54	
2.	154	905	4555	182 126 56	135	283	4365	164 106 58	
				110				112	
3.	176	702	4775	199 153 46	171	198	4725	194 148 46	
				156 ✓				158 ✓	
BM. LB-1100A.								156 ✓	BM. LB-1100A.
	483	280 ✓			467	369 ✓		314 ✓	Ocean & 72nd Pl. in H.H.
&	467	369 ✓							50'± S. of S.W. Cor.
diff. = +	15	911	cm						

⊼ Bustrum

JOB NO. ~~0001~~ 08243 SURVEY OF ~~LA CO.~~ LB PRECISE LEVEL NET

SURVEY BY W.J. VOGE

NOTES BY BAZEN DATE 10-5-65

INDEXED C. J. GALLI DATE

WEATHER Sunny-Calm INST. NO 25234

TIME 10:10 ROD NO. 95-96

NOTES CHKD [signature] DATE OCT 21 '65

T=70°

F.B. 3747 PG. 215

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM BM 1100 A TO LB 226
BM 1100 A									BM 1100 A OCEAN & 72 Nd PL. IN H. H. 50' ± S. OF S. W. COR.
1	177	155	478 5	199 155 44	181	865	482 5	204 158 46	
2	139	768	440 5	168 110 58 102	160	568	461 5	188 132 56 102	
3	166	445	467 5	193 139 54 156	156	853	457 5	183 129 54 156	
								156	
	483	368			499	286		312	meters
					483	368			
BM LB 226					- 15	918	CAL		BM LB 226 OCEAN & 67TH PL. N.E. COR.

WEATHER Clear INST. NO. 752-34

TIME 11:10 ROD NO. 95-96

NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3747 PG. 216 JOB NO. D882.43

SURVEY OF Long Beach Precise Level Sur.

SURVEY BY Vogt NOTES M.B.

INDEXED G. J. GALLI DATE

76P526 CE # 308 3-61

PLEASE RETURN TO

L ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

N E: ANY ADDITIONS OR CHANGES HIS SHEET MUST BE MADE OR C LED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM LB 1100-A TO Alamitos (W)
BM LB-1100A							BM LB-1100A
1	202 858	503 5	216 188 28	25 369	326 5	40 10 30	Ocean & 72nd PL., in H.H. 50'± S. of S.W. Cor.
	25 369					28	
diff. = +	177 489 cm.					58	
BM ALAMITOS (W)							BM. ALamitos (West)

JOB NO. ~~0301.02~~ 0882.03 SURVEY OF ~~LAR~~ LB CO. PRECISE LEVEL NET

SURVEY BY W. J. VOGE

NOTES BY BAZEN DATE 10-5-65

INDEXED C. J. GALLI DATE

WEATHER Sunny-calm INST. NO 75234

TIME 10:40 ROD NO. 95-96

NOTES CHKD [illegible] DATE OCT 21 '65

T = 68°

F.B. 3747 PG. 217

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 ALAMITOS (W) TO LB-1100 A
BM ALAMITOS (W)									BM ALAMITOS (West)
1	23	915	324-5	38 8 30	201	443	502 5	216 186 30	
					+23	915		30	
								60	
					177	528	cm.		
									BM 1100 A OCEAN & 72 PL. in H.H. 50' ± S. of S. W. COR.

F.B. 3747 PG. 218 JOB NO. 0882.43

SURVEY OF Long Beach Precise Level Sur.

SURVEY BY W. Voge NOTES M. BUSTRUM

INDEXED C. J. GALLI DATE

WEATHER Clear INST. NO. 75234

TIME 11:05 ROD NO. 95-96

NOTES CHKD. [illegible] DATE OCT 21 '65

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	~~RIGHT MIC.~~	~~LEFT.~~	~~STADIA~~	FROM Alamitos (W) TO Alamitos (E)
BM Alamitos (W)	64 590	365 5	166 162 4	TOP	LEVEL	Bottom	BM Alamitos (West) Ocean Bl. & 72nd Pl. 100'±
1				50 2	26 7	13 4	west of int & 20'± north
2				49 9	25 9	12 9	of Ocean Blvd prod, in conc.
3				50 1	25 5	12 8	base of U.S.C.G. Signal light
4				49 0	25 8	12 6	set a small boat spk in
5				48 8	25 4	12 4	lead 1 3' east of west end &
6				49 2	25 3	12 2	1 3' south of north end (flush)
7				48 5	25 4	12 5	
8				48 9	25 7	12 7	EAST TARGETS SET
9				48 7	25 7	12 3	~~ON 57~~ & 63.000 cm
10				48 5	25 5	12 5	on & 57000 cm
11				48 6	25 7	12 5	
12				48 3	25 7	12 3	
13				48 3	25 3	12 3	
14				48 3	25 1	12 0	
15				48 6	25 3	12 0	
16				48 1	25 2	12 5	STADIA FROM WEST
17				48 5	25 1	12 2	TO EAST = 180 Meters
18				47 8	25 3	12 4	
19				48 6	25 3	12 3	
20				48 3	25 0	12 3	
21				48 3	25 3	11 9	
22				48 3	25 8	12 8	
23				48 1	25 7	12 7	
24				48 8	26 2	12 8	
25				48 9	25 3	12 4	

JOB NO. ~~0301.02~~ 0882 4/3 SURVEY OF ~~L.A. CO.~~ LB PRECISE LEVEL NET

SURVEY BY W. J. Vogel DATE 10-6-63 WEATHER clear INST. NO. 75234

NOTES BY MB TIME 11:58-12:13 ROD NO. 9-19

INDEXED C. J. GALLA DATE NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3747 PG 219

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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 Alamitos (N) TO Alamitos (E)
					TOP		LEVEL	Bottom
				TOTAL	121	7.6	6382.6	311.7
				MEAN =	48.704		25.528	12.468

F.B. 3742 PG. 220

JOB NO. 0882.43

SURVEY OF Long Beach Precise Level Sov.

SURVEY BY Yoge NOTES

INDEXED G. J. GALLI DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD. DATE OCT 21 '83

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

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0002.43

JOB NO. 090102 SURVEY OF L.A. CO. PRECISE LEVEL NET L.B.

SURVEY BY W. J. Hoge WEATHER Clear (sunny) INST. NO. 2334

NOTES BY W. C. J. GALLI DATE 10-6-65 TIME 12:43 - 12:57 ROD NO. 9-19

INDEXED DATE NOTES CHKD DATE OCT 21 '65

F.B. 3747 Pg. 221

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	~~RIGHT MIC.~~	~~LEFT.~~	STADIA.	FROM Alamitos (E) TO Alamitos (W)
BM Alamitos (E)				Top	Level	Bottom	BM Alamitos (East) Marina Dr. & bridge over
1.				43 0	180	069	San Gabriel River, 0.15± mi
2.				42 5	179	053	South on service road on
3.				41 4	170	050	West side of river, 61° ±
4.				42 2	163	061	South east of South east cor.
5.				42 1	180	067	of conc. slab (29' x 14') east
6.				41 9	160	061	edge of road set a 5/8"
7.				41 1	159	050	bent spk. in lead in boulder. (flush)
8				41 5	173	066	
9				40 8	177	063	West target set
10.				41 8	180	053	on 128.000 cm
11.				40 3	160	045	134.000 cm
12.				40 4	169	049	
10.				40 3	171	053	
14.				40 8	160	052	
15.				40 1	163	050	
16.				40 3	161	040	
17.				40 5	159	048	
18.				40 7	173	051	
A1				40 3	161	048	
20.				39 7	162	044	
21				40 7	158	048	
22				40 7	156	053	
23				40 6	145	039	
24				39 6	153	044	
25				39 3	161	030	

F.B. 3747 PG. 222 JOB NO. 0882.43

SURVEY OF Long Beach Precise Level Surr

SURVEY BY Vege NOTES

INDEXED C. J. GALLI DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD [illegible] DATE OCT 21 '65

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	~~RIGHT MIC.~~	~~LEFT.~~	~~STADIA~~	FROM Alamitos (E) TO Alamitos (W)
				TOP	LEVEL	BOTTOM	
			TOTAL =	1022.6	413.3	128.7	
			MEAN =	40.904	16.532	05.148	

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

E: ANY ADDITIONS OR CHANGES HIS SHEET MUST BE MADE OR LED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	~~RIGHT~~	~~MIC.~~	~~LEFT.~~	~~STADIA~~	FROM Alamitos (E) TO Alamitos (W)
BM Alamitos (E)	127	048	4285	129 125 4	TOP		Level	Bottom	Alamitos (E)
					*				
1.					399		145	035	
2.					381		150	030	
3.					393		166	033	
4.					386		153	030	
5.					386		148	029	
6.					383		148	025	
7.					378		135	031	
8.					385		141	022	West targets set
9.					377		151	025	on 128.000 cm.
10.					380		138	027	& 134.000 cm
11.					378		138	027	
12.					379		148	018	
13.					385		147	027	
14.					379		146	022	
15.					369		144	017	
16.					377		153	025	
17.					377		147	023	
18.					374		138	021	
19.					379		137	015	
20.					378		148	018	
21					379		141	023	
22.					378		141	025	
23.					380		131	016	
24.					363		137	020	
25.					386		143	022	

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

SURVEY BY K.L. J. Vege DATE 10-6-65 WEATHER clear (sunny) INST. NO. 75231

NOTES BY VL TIME 10:52 1:15 ROD NO. 9-19

INDEXED C. J. GALLI DATE NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3747 Pg. 223

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LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT MIC.	~~LEFT.~~	~~STADIA~~	FROM Mamitos (E) TO Mamitos (W)
					TOP	Level	Bottom	
				Total	951.9	361.4	60.6	
				Mean	38.076	14.456	~~60.6~~ 02.424	

F.B. 3747 PG. 224

JOB NO. 0882.43

SURVEY OF Long Beach Precise Level Sur.

SURVEY BY Vogel NOTES

INDEXED C. J. GALLI DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD DATE OCT 2[illegible]

76P526 CE # 308 3-61

PLEASE RETURN TO
L[illegible]NGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET T= 72°
SURVEY BY W.J. VOGE WEATHER Sunny-windy INST. NO 25234
NOTES BY BAZEN DATE 10-6-65 TIME 1:37 to 1:53 ROD NO. 2-19
INDEXED C.J. CALL DATE NOTES CHKD [illegible] DATE OCT 21 '65
F.B. 3741 Pg 225

STATION	BACKSIGHT			FORESIGHT TOP LEVEL BOT.			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM Alamitos (W) TO Alamitos (E)
1				435	223	057	
2				425	223	063	
3				430	213	060	
4				433	217	055	
5				430	215	065	
6				431	218	060	⊼ Bustrum
7				425	208	055	
8				428	208	055	
9				425	215	058	
10				427	207	058	East Target
11				423	208	058	Set on
12				420	210	058	57.000 cm
13				427	210	055	& 63.000 cm
14				427	207	057	
15				429	205	057	
16				425	209	055	
17				422	203	057	
18				420	203	057	
19				425	213	055	
20				418	208	052	
21				419	211	055	
22				425	210	057	
23				427	207	055	
24				428	215	065	
25				430	217	055	
Alamitos (W)	64743	3655	66 62 4				BM. Alamitos (West)

F.B. 3747 PG. 226 JOB NO. 0882.43

SURVEY OF Long Beach Precise Level Sur.

SURVEY BY Vogel NOTES

INDEXED C. J. GALLI DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD. [illegible] DATE OCT 21 '65

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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 Hamilton (W) TO Hamilton (E)
					Top	Level	Bot.		
Total =					1065.4	528.3	143.4		
Mean =					42.616	21.132	05.736		

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0882.43 SURVEY OF LONG BEACH LEVEL LINE ~~0001.02 SURVEY OF L.A. CO. PRECISE LEVEL NET~~

SURVEY BY G.E. DREIER WEATHER CLEAR INST. NO. 26716

NOTES BY HULKS DATE 10-6-65 TIME 1:01 - 1:15 ROD NO. 2219

INDEXED C. J. GALLA DATE NOTES CHKD DATE

LT. BREEZE F.B. 3747 PG. 227

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM WEST TO EAST
				TOP	LEVEL	BOTTOM	3rd. 25
				1 41 8	27 9	07 0	WEST
				2 40 5	27 0	06 3	TOP TARGET 134.00 C.M.
				3 40 3	27 0	06 4	BOTTOM TARGET 128.00
				4 39 5	27 0	07 0	
				5 38 8	26 7	06 1	
				6 40 2	26 8	05 9	
				7 39 7	26 8	05 1	
				8 39 6	26 7	05 9	
				9 39 4	26 0	05 3	
				10 40 1	26 2	05 6	
				11 39 3	26 6	06 2	
				12 39 3	27 0	06 3	
				13 39 3	26 8	05 4	
				14 39 5	26 6	05 3	
				15 39 5	25 9	05 2	
				16 38 3	25 3	04 8	
				17 38 8	25 9	05 6	
				18 39 6	25 7	05 9	
				19 39 3	26 4	05 8	
				20 39 6	25 9	05 3	
				21 39 0	26 5	05 7	
				22 39 4	26 4	05 8	
				23 39 1	25 9	05 3	
				24 38 7	25 7	05 4	
				25 39 3	25 7	04 8	
				987 9 ✓	660.4 ✓	143.4 ✓	
				39.516 ✓	26,416 ✓	5.736 ✓	

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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. 3747 PG. 228 JOB NO. 0882.43

SURVEY OF LONG BEACH LEVEL LINES

SURVEY BY DREIER NOTES DREIER 10-6-65

INDEXED G. J. GALLI DATE

WEATHER CLEAR - SUN INST. NO. 26716

TIME 1:37 TO 2:53 ROD NO. 2819

NOTES CHKD Lutz DATE 11-21-65

LT. BREEDE

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM ALAMITOS EAST TO ALAMITOS WEST
						TOP	LEVEL	BOTTOM	4th 25
					1	47	9 30	7 14	2
					2	48	7 31	4 15	2 EAST
					3	49	0 31	7 15	2 TOP TARGET 63.000 CM.
					4	48	7 31	2 14	8 BOTTOM TARGET 57.000
					5	49	2 31	5 15	3
					6	48	1 31	0 14	7
					7	47	4 30	9 14	2
					8	48	9 31	5 15	2
					9	49	0 31	4 14	9
					10	49	3 31	3 14	7
					11	48	2 31	0 14	7
					12	48	5 31	2 14	3
					13	47	9 30	9 15	2
					14	48	3 31	0 14	7
					15	47	6 30	9 15	2
					16	48	8 31	1 14	5
					17	48	2 30	3 14	8
					18	49	2 31	1 15	2
					19	48	8 31	0 15	2
					20	48	8 30	9 15	0
					21	48	9 30	9 14	8
					22	48	6 31	0 15	5
					23	49	1 31	2 16	8
					24	49	8 31	2 15	4
	126	857	427	5 128 124 4	25	48	8 31	5 15	8
						1215.7 ✓	777.8 ✓	375.5 ✓	
						48.628 ✓	31.112 ✓	15.020 ✓	

121.57 777.8 375.5

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM ALAMITOS EAST TO ALAMITOS WEST
				TOP	LEVEL	BOTTOM	(1 ST. 25)
	126934	427 5	128 124 4	1 40 0	224	63	
				2 39 4	227	57	EAST
				3 40 1	228	72	TOP TARGET 63.000 CM
				4 40 6	229	58	BOTTOM TARGET 57.000
				5 40 8	223	62	
				6 39 5	220	67	
				7 40 2	218	62	
				8 40 7	226	70	
				9 40 2	214	58	
				10 39 3	222	57	
				11 38 4	223	55	
				12 39 4	227	66	
				13 39 3	217	56	
				14 39 3	217	56	
				15 39 2	212	48	
				16 39 1	219	48	
				17 38 6	213	50	
				18 39 2	212	57	
				19 40 3	214	56	
				20 39 9	214	63	
				21 39 7	210	61	
				22 38 4	219	57	
				23 38 9	215	64	
				24 39 7	223	65	
				25 40 0	217	64	
			SUM	990.2	548 3	149 2	
			MEAN	39.608	21.932	5.968	

JOB NO. ~~0301.02~~ 0882.43 ~~SURVEY OF L.A. CO. PRECISE LEVEL NET~~ LONG BEACH LEVEL LINE

SURVEY BY G.E. DREIER

NOTES BY G.E. DREIER DATE 10-6-65

INDEXED C. J. GALLI DATE

WEATHER CLEAR LT BREEZE

TIME 11:58 to 12:13

NOTES CHKD [illegible] DATE OCT 21 '65

INST. NO. 96716

ROD NO. 9 & 19

F.B. 3747 PG. 229

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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F.B. 3747 PG 230 JOB NO. 0882.43

SURVEY OF Long Beach Level Line NOTES 11-6-65

SURVEY BY Dreier DATE

INDEXED C. J. Galli

WEATHER Lt. Haze - Sun INST. NO. 96716

TIME 12:43 - 12:57 ROD NO. 9819

NOTES CHKD DATE OCT 21 1965

Lt. Breeze

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT MIC.		LEFT.	STADIA	RIGHT MIC.		LEFT.	STADIA	FROM Alamitos West TO Alamitos East
						TOP	LEVEL	BOTTOM	2nd SET
					1	41 7	28 4	08 3	WEST
					2	41 0	28 3	06 8	TOP TARGET 134.000
					3	40 8	28 0	06 9	BOTTOM TARGET 128.000
					4	40 8	29 3	07 9	
					5	41 0	28 2	07 5	
					6	40 2	28 0	06 9	
					7	40 8	27 8	07 2	
					8	39 8	26 5	06 6	
					9	38 7	26 3	05 8	
					10	38 8	26 0	04 8	
					11	38 5	26 2	05 3	
					12	39 1	26 7	05 7	
					13	37 9	24 8	05 2	
					14	38 8	26 0	05 8	
					15	39 5	26 2	05 8	
					16	38 7	25 9	05 0	
					17	39 1	26 0	05 8	
					18	38 8	26 4	05 8	
					19	38 9	26 1	06 0	
					20	39 4	26 2	05 3	
					21	38 7	25 5	06 3	
					22	38 6	26 0	05 3	
					23	38 2	25 8	04 9	
					24	39 0	25 8	05 4	
					25	38 1	25 0	04 9	
					26	38 5	25 9	04 8	
	64 623		365 5	62 / 66 4	27	37 8	26 2	10 4 8	
				SUM / MEAN		1061.2 / 39.304	717.5 / 26.574	160 8 / 5.956	

76P526 CE # 308 3-61

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.

STATION	BACKSIGHT				FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	~~RIGHT~~	~~MIC.~~	~~LEFT.~~	~~STADIA~~	FROM Alamitos (W) TO Alamitos (E)
BM Alamitos (W)	64	590	3655	66 62 4	Top		Level	Bottom	BM Alamitos (West)
1					44	1	25 1	07 5	
2					43	8	24 8	07 4	
3					43	7	24 6	06 9	
4					43	4	24 8	06 7	
5					43	4	24 8	06 7	
6					43	4	25 1	07 2	
7					43	3	24 8	07 2	
8					43	0	24 7	06 9	
9					43	0	24 8	06 8	East Targets Set
10					42	8	24 5	07 2	on ~~57~~ & 63.000 cm
11					43	1	24 7	07 1	& 57.000 cm
12					43	0	24 3	06 8	
13					42	8	24 7	07 0	
14					43	3	24 4	06 8	
15					42	9	24 5	06 9	
16					43	0	24 3	06 8	
17					43	3	24 5	06 8	
18					43	0	24 5	07 1	
19					42	8	24 6	07 0	
20					43	3	24 3	07 0	
21					43	1	24 2	07 1	
22					43	1	24 7	06 8	
23					43	0	24 7	06 8	
24					43	2	24 3	07 3	
25					43	3	24 3	07 1	

JOB NO. ~~0301.02~~ 0888.43 SURVEY OF ~~L.A. CO.~~ LB PRECISE LEVEL NET

SURVEY BY M. J. Vige

NOTES BY M. Bustrum DATE 10-7-65

INDEXED G. J. GALLI DATE

WEATHER OVERCAST INST. NO. 25234

TIME 11:27-11:40 ROD NO. 9-19

NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3747 PG. 231

F.B. 3747 PG. 232 JOB NO. 0882 43

SURVEY OF Long Beach Precise Level Sur

SURVEY BY _____ NOTES _____

INDEXED C. J. GALLI DATE _____

WEATHER _____ INST. NO. _____

TIME _____ ROD NO. _____

NOTES CHKD [signature] DATE OCT 21 '65

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LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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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

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	~~RIGHT MIC.~~	~~LEFT.~~	~~STADIA~~	FROM Alamitos (N) TO Alamitos (E)
				Top	Level	Bottom	
			Sum	1080.1	615.0	174.9	
			Mean	43.204	24.600	6.996	

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT TOP ~~RIGHT MIC.~~	FORESIGHT Level ~~LEFT.~~	FORESIGHT BOT ~~STADIA~~	DESCRIPTION AND REMARKS FROM Alamitos (E) TO Alamitos (W)
Alamitos (E)	127 500	428 5	129 125 4				Alamitos (E)
1				450	253	087	
2				453	255	080	
3				458	253	085	
4				447	247	082	
5				457	247	089	
6				450	253	092	Alamitos (W)
7				457	257	085	Targets set @
8				455	255	095	
9				463	260	085	upper =
10				448	255	095	Lower =
11				457	253	095	
12				465	255	085	
13				445	248	093	
14				463	250	093	
15				455	249	085	
16				460	245	085	
17				458	248	095	
18				457	248	093	
19				449	250	098	
20				463	255	100	
21				450	249	098	
22				465	248	088	
23				458	253	077	
24				458	248	087	
25				465	250	093	
				1140.6	628.4	224.0	

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

SURVEY BY W. J. VOGE

NOTES BY BAZEN DATE 10-7-65

INDEXED C. J. GALLI DATE

WEATHER cool & overcast

TIME 12:07 To 12:24

NOTES CHKD [illegible] DATE OCT 21 '65

INST. NO 75234

ROD NO. 9-19

F.B. 3747 Pg. 233

F.B. 3747 PG. 234 JOB NO. 0882.43

SURVEY OF L.B. Precise Level Net

SURVEY BY Voge NOTES

INDEXED C. J. GALLI DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD [illegible] DATE OCT 21 '65

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	~~RIGHT MIC.~~	~~LEFT.~~	~~STADIA~~	FROM Alamitos (E) TO Alamitos (W)
				TOP	level	BOT	
Totals				1140.6	628.4	224.0	
mean =				45.624	25.136	08.960	

76P526 CE # 308 3-61

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	~~RIGHT MIC.~~	~~LEFT.~~	~~STADIA~~	FROM E. TO W.
BM. E	127	507	4285	129 125 4.	TOP	LEVEL	BOT.	ALAMITOS E.
ALAMITOS (26)					437	247	088	
1					443	256	083	
2					442	255	088	
3					444	255	083	
4					440	260	085	
5					443	259	082	
6					447	258	079	
7					450	265	082	
8					449	267	095	
9					448	263	092	W. TARGETS ON 128.000
10					443	269	078	134.000
11					458	265	089	
12					462	265	085	
13					455	267	107	
14					458	269	098	
15					459	261	096	
16					453	271	089	
17					451	265	092	
18					438	263	091	
19					451	256	083	
20					448	256	083	
21					449	255	084	
22					439	251	081	
23					437	257	077	
24					444	264	081	
25					448	264	083	

JOB NO. ~~C[illegible]~~ 08824-3 SURVEY OF ~~L.A. CO.~~ L.B. PRECISE LEVEL NET

SURVEY BY Bill Vogel

NOTES BY V. C. DATE 10-7-65

INDEXED C. J. GAULT DATE

WEATHER Overcast INST. NO. 75234

TIME 12:29-12:46 ROD NO. 9-19

NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3747 PG. 235

F.B. 3747 PG. 236 JOB NO. 1882.43

SURVEY OF L.B. Precise Level SUV.

SURVEY BY Vaye NOTES

INDEXED C. J. GALLI DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD [illegible] DATE OCT 2 '63

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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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

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	~~RIGHT~~ MIC.	~~LEFT.~~	STADIA	FROM Alamitos (E) TO Alamitos (W)
				top	Level	Bottom	
			Sum =	1163.6	678.3	225.4	
			Mean =	44.754	26.088	8.669	

76P526 CE # 308 3-61

PLEASE RETURN TO

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403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

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

F.B. 3747 Pg. 237

SURVEY BY W.M. Lyle C. J. GALLI

NOTES BY E.C.

INDEXED

DATE 10/27/66

DATE

WEATHER Overcast TIME 1108 - 1123

NOTES CHKD

INST. NO. 32234

ROD NO. 9-19

DATE OCT 21 '66

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	~~Rod Mic.~~	~~Level~~	~~Stadia~~	FROM W TO E.
BM. W				TOP.	LEVEL	BOT.	ALAMITOS W
ALAMITOS				~~406~~			
1				406	233	068	
2				402	232	063	
3				402	232	072	
4				398	233	064	
5				402	227	065	
6				397	233	064	
7				394	228	063	
8				397	232	062	
9				394	230	067	
10				395	228	063	
11				396	228	062	
12				396	226	067	E. TARGETS SET ON 63 000
13				397	226	063	57 000
14				392	225	063	
15				396	227	067	
16				393	228	067	
17				397	228	067	
18				398	228	066	
19				399	230	065	
20				400	226	068	
21				396	222	066	
22				393	222	063	
23				393	227	063	
24				393	221	063	
25				393	223	061	
	64 643	365 5	66 22 4				

F.B. 3747 PG. 238 JOB NO. 1802.43

SURVEY OF L.B. Precise Level Sur.

SURVEY BY Voge NOTES

INDEXED C. J. GALLI DATE

WEATHER INST. NO.

TIME ROD NO.

NOTES CHKD [illegible] DATE OCT 2

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 Alamitos (W) TO Alamitos (E)
					top	Level	Bottom	
				Sum =	991.9	569.5	162.2	
				mean =	39.676	22.780	6.488	

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

[illegible]: ANY ADDITIONS OR CHANGES [illegible] HIS SHEET MUST 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
						TOP	LEVEL	BOTTOM	FROM ALAMITOS EAST TO ALAMITOS WEST
									1ST 25
	127	384	428.5	129 125	1	433 ~~425~~	274 ~~257~~	82	⊼ WILKS
					2	420	272	83	EAST ROD
					3	429	276	89	TOP TARGET 63.000 C.M.
					4	436	276	84	BOTTOM TARGET 57.000 C.M.
					5	422	274	92	
					6	434	271	84	
					7	417	269	77	
					8	423	270	81	
					9	429	273	92	
					10	428	273	93	
					11	427	273	94	
					12	426	272	87	
					13	427	268	84	
					14	417	266	86	
					15	427	269	86	
					16	434	270	89	
					17	427	270	80	
					18	427	268	79	
					19	429	266	80	
					20	417	276	86	
					21	422	268	83	
					22	419	268	74	
					23	414	270	80	
					24	424	277	83	
					25	423	278	82	
				SUM		1063.1	678.7	211.0	
				MEAN		42.524	27.148	8.440	

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

SURVEY BY G.E. DREIER

NOTES BY G.E. DREIER DATE 10-7-65

INDEXED C. J. GALLI DATE

WEATHER OVERCAST INST. NO. 96716

TIME 11:27 TO 11:40 ROD NO. 9819

NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3747 PG. 239

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT RIGHT	BACKSIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT	FORESIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
						TOP	LEVEL	BOTTOM	FROM ALAMITOS WEST TO ALAMITOS EAST
									2nd. 25
					1	47.8	34.0	14.4	
					2	48 5	34 6	14 0	WEST ROD
					3	48 2	34 4	14 3	TOP TARGET 134.000
					4	48 5	34 7	14 5	BOTTOM TARGET 128.000
					5	47 2	34 1	13 8	
					6	48 0	33 8	13 8	
					7	47 6	33 6	14 0	
					8	47 4	33 3	13 0	
					9	48 2	34 2	13 3	
					10	47 2	32 9	12 9	
					11	47 5	33 3	13 0	
					12	46 9	33 5	13 5	
					13	47 3	32 8	13 0	
					14	47 2	33 7	12 8	
					15	47 0	33 1	12 8	
					16	47 5	32 4	13 4	
					17	47 0	33 0	14 0	
					18	47 2	33 6	13 0	
					19	47 3	33 0	13 3	
					20	47 1	32 8	12 7	
					21	47 2	32 7	13 1	
					22	46 5	32 8	13 0	
					23	47 3	32 4	13 3	
					24	46 2	32 6	12 5	
					25	46 5	32 5	12 6	
~~6i~~	64	522	365 5	66 62 4	26	46 4	32 2	12 9	
						1230.7 ✓	866 0 ✓	346.9 ✓	
						47.335 ✓	33.308 ✓	13.342 ✓	

F.B. 3747 PG. 240

JOB NO. 0882.43

SURVEY OF

SURVEY BY DREIER NOTES DREIER 10-7-65

INDEXED C. J. GALLI DATE

WEATHER OVERCAST INST. NO. 96716

TIME 12:07 TO 12:24 ROD NO. 9819

NOTES CHKD [illegible] DATE OCT 21 '65

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible] ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

[illegible]: ANY ADDITIONS OR CHANGES [illegible] HIS SHEET MUST 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 ALAMITOS WEST TO ALAMITOS EAST
					TOP		LEVEL	BOTTOM	3rd 25
					1	47.3	334	140	WEST ROD
					2	47.6	337	142	TOP TARGET 134,000
					3	474	334	135	BOTTOM TARGET 128,000
					4	475	328	142	
					5	466	332	133	
					6	475	332	139	
					7	473	329	139	
					8	479	329	134	
					9	475	327	134	
					10	477	332	139	
					11	478	324	134	
					12	474	324	132	
					13	475	324	128	
					14	476	328	126	
					15	475	327	128	
					16	468	318	126	
					17	472	324	126	
					18	478	325	130	
					19	473	324	127	
					20	470	323	134	
					21	466	322	128	
					22	468	324	133	
					23	468	314	133	
					24	468	320	126	
					25	463	321	124	
				SUM		1181.5	815.6	331.2	
				MEAN		47.260	32.624	13.248	

JOB NO. ~~0301.02~~ 0882.43 SURVEY OF L.A. CO. PRECISE LEVEL NET

SURVEY BY DREIER

NOTES BY DREIER DATE 10-7-65

INDEXED C. J. GALLI DATE

WEATHER OVERCAST INST. NO. 96716

TIME 12:29 TO 1246 ROD NO. 9 & 19

NOTES CHKD. [illegible] DATE 11-21-65

F.B. 3747 PG 244

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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
						TOP	LEVEL	BOTTOM	FROM ALAMITOS EAST TO ALAMITOS WEST
									4th 25
					1	42 5	27 2	07 9	EAST ROD
					2	42 7	26 9	07 3	TOP TARGET 63.000
					3	41 9	27 2	08 2	BOTTOM TARGET 57.000
					4	41 5	26 7	07 2	
					5	41 9	27 0	08 2	
					6	42 1	26 8	08 3	
					7	41 2	26 1	08 2	
					8	40 8	26 8	08 2	
					9	41 3	27 3	08 0	
					10	41 8	27 0	08 5	
					11	42 0	27 5	08 5	
					12	42 2	26 8	08 0	
					13	41 4	26 0	07 3	
					14	40 9	26 8	08 0	
					15	41 7	27 0	07 9	
					16	41 4	26 8	07 9	
					17	41 3	26 9	07 6	
					18	41 0	26 3	07 2	
					19	41 1	26 8	08 8	
					20	42 3	25 9	07 5	
					21	41 3	26 0	08 1	
					22	41 3	27 5	06 9	
					23	40 8	26 5	07 3	
				125	24	41 2	26 7	08 5	
	127	409	428 5	129	25	41 8	26 3	07 9	
						1039.4	668.8	197.4	
						41.576	26.752	7.896	

F.B. 3747 Pg. 242

JOB NO.

SURVEY OF

SURVEY BY

NOTES

INDEXED C. J. GALLO

DATE

WEATHER OVERCAST

TIME 1:08 - 1:23

NOTES CHKD [illegible]

INST. NO. 96716

ROD NO. 9 & 19

DATE OCT 21 '65

76P526 CE # 308 3-61

PLEASE RETURN TO
L[illegible]NGELES COUNTY ENGINEER
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
SURVEY BY DREIER WEATHER OVERCAST INST. NO 26716
NOTES BY DREIER DATE 10-7-65 TIME 11:45 TO 1:10 ROD NO. 284
INDEXED G. J. GALL DATE NOTES CHKD [illegible] DATE OCT 21 '65
F.B. 3747 Pg. 243

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT MIC.		LEFT.	STADIA	RIGHT MIC.		LEFT.	STADIA	FROM ALAMITOS WEST TO ALAMITOS EAST
1	+ 131 781		432 5	222 41 182	- 127 380		428 5	129 125 4 182 186	⊼ AT EAST
	- 127 380 ✓								
	+ 4 401 ✓								
									#1 DIFF 4.401 ✓ cm
									#2 DIFF 3.353 ✓
									TOTAL 7.754 ✓
									MEAN DIFF + 3.877 ✓
1	64 521		365 5	66 62 4	61 168 ✓		362 5	5 ½ 61 182 4 186	⊼ AT WEST
	61 168 ✓								
	3 353 ✓								
1	64 525		365 5	66 62 4	61 128		362 5	185 ½ 61 180 4 184	⊼ AT WEST
	61 128 ✓								
	3 397 ✓								#1 DIFF 3.397 C.M
									#2 " 4.473 ✓
									7,870 ✓
									MEAN DIFF + 3.935 ✓
1	131 881		432 5	40 222 182	127 408		428 5	125 129 4 182 186	⊼ AT EAST
	127 408								
	4 473 ✓								
									MEAN DIFF - IN ELEV. + 3.906 ✓

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 3747 PG. 24 | JOB NO | SURVEY OF | SURVEY BY Hage | NOTES BAZEN | INDEXED S. J. GALLI | DATE 10-7-65

WEATHER Cool & Overcast | INST. NO. 75234 | ROD NO. 9-19 | TIME | DATE 10-7-65 | NOTES CHKD

STATION	BACKSIGHT RIGHT MIC.	BACKSIGHT LEFT.	BACKSIGHT STADIA	FORESIGHT RIGHT MIC.	FORESIGHT LEFT.	FORESIGHT STADIA	DESCRIPTION AND REMARKS
							FROM Alamitos (N) " (E) TO Alamitos (E) " (W)
T@ West. BM (W) →	+ 64 590	3655	66 62 4	60 415	3615 ←	151 60½ 182 BM (E)	Set up #1
	- 60 415 ✓					4	
	+ 4175 ✓					186	
T@ EAST BM (E) →	127 500	4285	129 125 4	- 131 245	4325 ←	221 41 180 BM (W)	Set up #2
				+ 127 500 ✓			
				- 3745 ✓		186	

#1 diff = +4.175 ✓ cm.
#2 diff. = -3.745 ✓ cm.
error in foreward & Backward runs = 0.430 ✓ cm.
Total run #1 & #2 = + 7.920 ✓
Mean (W) TO (E) +3.960 ✓

76P526 CE # 308 3-61

PLEASE RETURN TO

L[illegible]NGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

JOB NO. 0801.02 SURVEY OF L.A.CO. PRECISE LEVEL NET

SURVEY BY K. J. Voge

NOTES BY Voge DATE 10-8-65 WEATHER Overcast INST. NO. PS-96

INDEXED G. J. GALLI DATE TIME 9:20 AM ROD NO.

NOTES CHKD DATE

F.B. 3744 Pg. 245

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM Alamitos (E) TO SB-39
BM Alamitos (East)							BM Alamitos (East
1.	111 195	412 5	117 105 12	178 959 111. 195	479 5	184 172 12	BM SB 39
				-67.764		12 24 hr	

PLEASE RETURN TO

LOS ANGELES COUNTY ENGINEER

403 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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 BMSB-39 TO Alamitos(E)
BMSB-39									BM SB-39
1.	178	432	479 5	184 / 172 12	110	671	411 5	116 / 104 12	BM Alamitos East.
	110	671						12	
+	67	761						24	

F.B. 3747 PG. 246

SURVEY OF L.B. Precise Level Suv.

SURVEY BY Vogel NOTES Vogel

INDEXED [illegible] DATE

JOB NO. 0882.43

WEATHER Overcast INST. NO. 75234

TIME 9:25 AM ROD NO. 95-96

NOTES CHKD [illegible] DATE OCT 21 '65

76P526 CE # 308 3-61

PLEASE RETURN TO

L ANGELES COUNTY ENGINEER

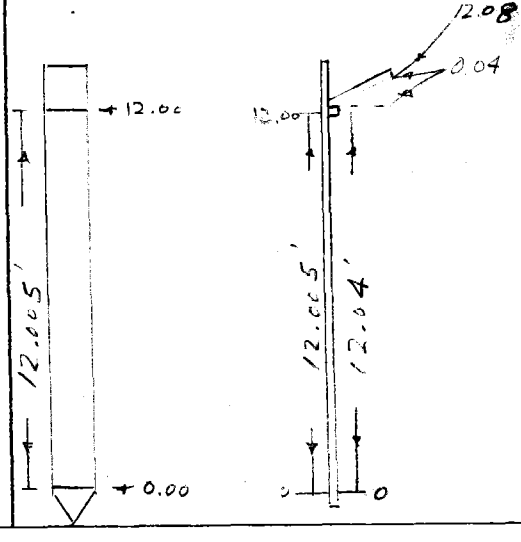
403 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	BACKSIGHT				FORESIGHT				DESCRIPTION AND REMARKS
	RIGHT	MIC.	LEFT.	STADIA	RIGHT	MIC.	LEFT.	STADIA	FROM Bm SB-39 TO Tide Staff Sup
BM SB-39									BM. SB-39
									Bt. spk. in Conc. slab
1.	131	658	4325	141 / 120 21	161 / 131 / 30	772 / 658 / 114	4625	172 / 150 22 / 21 / 43	Tide staff support.

Tide Staff @ Alamitos Bay



JOB NO. ~~0301.02~~ 0882.43 SURVEY OF ~~L.A. CO.~~ LB PRECISE LEVEL NET

SURVEY BY W J Voge

NOTES BY Voge DATE 10-8-65

INDEXED G. J. GALLI DATE

WEATHER Over cast INST. NO. 95234

TIME 9:32 AM ROD NO. 95-96

NOTES CHKD [illegible] DATE OCT 21 '65

F.B. 3747 PG. 247

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

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 3719 PG. 248
SURVEY OF Long Beach Precise Lev. Sec.
SURVEY BY Voge NOTES Voge
INDEXED G. J. GALLI DATE
JOB NO. 0882.43
WEATHER Oke-cast INST. NO. 7523 4
TIME 9:35 AM ROD NO. 15-96
NOTES CHKD DATE OCT 21 '65

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM Tide Staff Sup TO BM SB-39
BM Tide Staff Support							Tide Staff support
1.	160 576 / 130 431	461 5	177 / 149 22	130 482	431 5	140 / 120 20 / 22 / 42	BM SB-39 / Bt. spk. in conc. slab.
+	30.145						

76P526 CE # 308 3-61

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

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

Do not extend notes this side of this line.

JOB NO. 0882.43 1.13 L.A. CO. PRECISE LEVEL NET
SURVEY BY Vogt
NOTES BY Vogt
INDEXED C. J. GALLI
DATE 10-8-65
WEATHER Overcast
TIME 9:50 AM
NOTES CHKD
INST. NO. 75234
ROD NO. 25-12
DATE OCT 21 '65
DATE
F.B. 5747 PG. 24

STATION	BACKSIGHT			FORESIGHT			DESCRIPTION AND REMARKS
	RIGHT MIC.	LEFT.	STADIA	RIGHT MIC.	LEFT.	STADIA	FROM Tide Sta H Sup TO BM TG-1
Tide Sta H Support							Tide Sta H Support
1.	157 898	458 5	168 / 146 22	127 808	428 5	137 / 117 20	
2.	192 233	493 5	195 / 189 6	192 413	493 5	196 / 185 8	BM TG-1
	350.131 ✓		28 ✓	320.221 ✓		28 ✓	
	320.221 ✓					28 ✓	
						56 m.	
+	~~29.910~~						
+	29.910 ✓						

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

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

Do not write notes in margin of this line.

STATION	[illegible]				[illegible]				DESCRIPTION AND REMARKS
	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible] Staff Sup
BM TG-									BM
1.	18[illegible]10	486 5	189 / 181		185.313	486 5	88 / 82 6		
2.	[illegible]25	430 5	14[illegible] / 11[illegible]	22	159.638	46[illegible]	70 / 48 22		Tide staff support.
	315.[illegible]5			30	344.95		28		
					315.[illegible]		30		
					29.916		58 M.		

3747

CONT. IN F.B. 3748

F.B. 3747 PG. 250
JOB NO. 0882.43
SURVEY OF L.B. Precise Level Survey
SURVEY BY Voge NOTES Voge
INDEXED C. J. GALL DATE
WEATHER Overcast INST. NO. 75[illegible]
TIME 10:04 AM ROD NO. 95[illegible]
NOTES CHKD [illegible] DATE