Profile	Notes Red.	Plotted	Job No. 0301.02	Division No. 10	F. B. 2254 Pg. 1
	Date	Date	Survey of L.A. Co. Precise Level Net		
		Checked	Survey by English	Notes Ed.	Date 2-7-57
		Date	Map No.	Indexed ~~J. Johnson~~	Date 2-11-57

L.A. CO. PRECISE LEVEL NET
J.N. 0301.02

PORTUGUESE BEND
BENCH LEVELS

Feb. 7, 1957
E.F. English
Lind
Peterson
Foulger

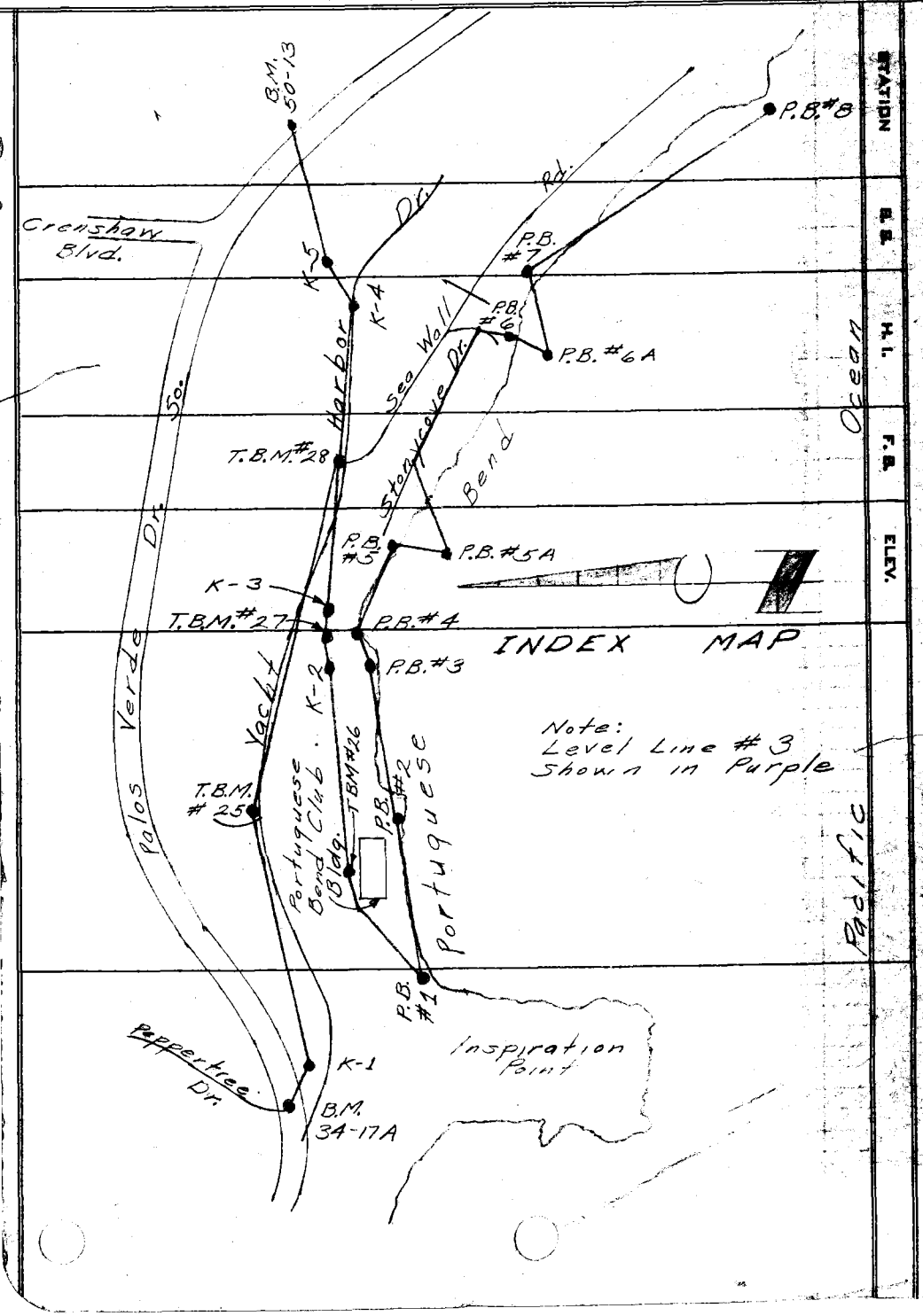
STATION

F. B. 2254 Pg. 2 Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile

Survey of L.A. Co. Precise Level Net Date Date No.

Survey by English Notes Ed. Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.



STATION | S.S. | H.I. | F.B. | ELEV.

76L498 S & E #307 9-54

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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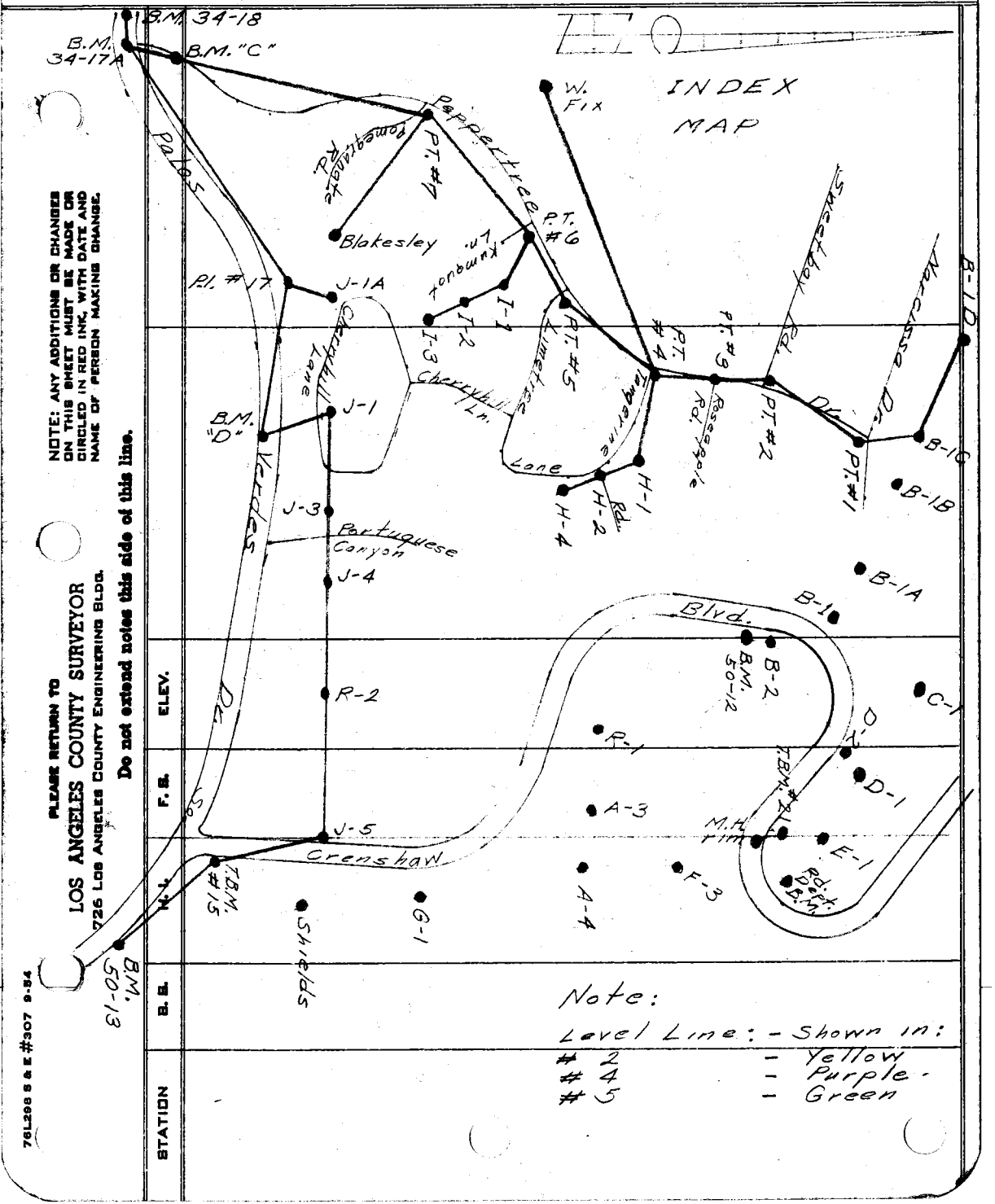
Profile	Notes Red	Plotted	Job No. 0301.02	Division No. 10	F. B. 2254 Pg. 3
No.	Date	Date	Survey of L.A. Co. Precise Level Net		
X-Sec.	Notes Chkd	Checked	Survey by English	Notes Ed.	Date 2-6-57
No.	Date	Date	Map No.	Federal Job No.	Date



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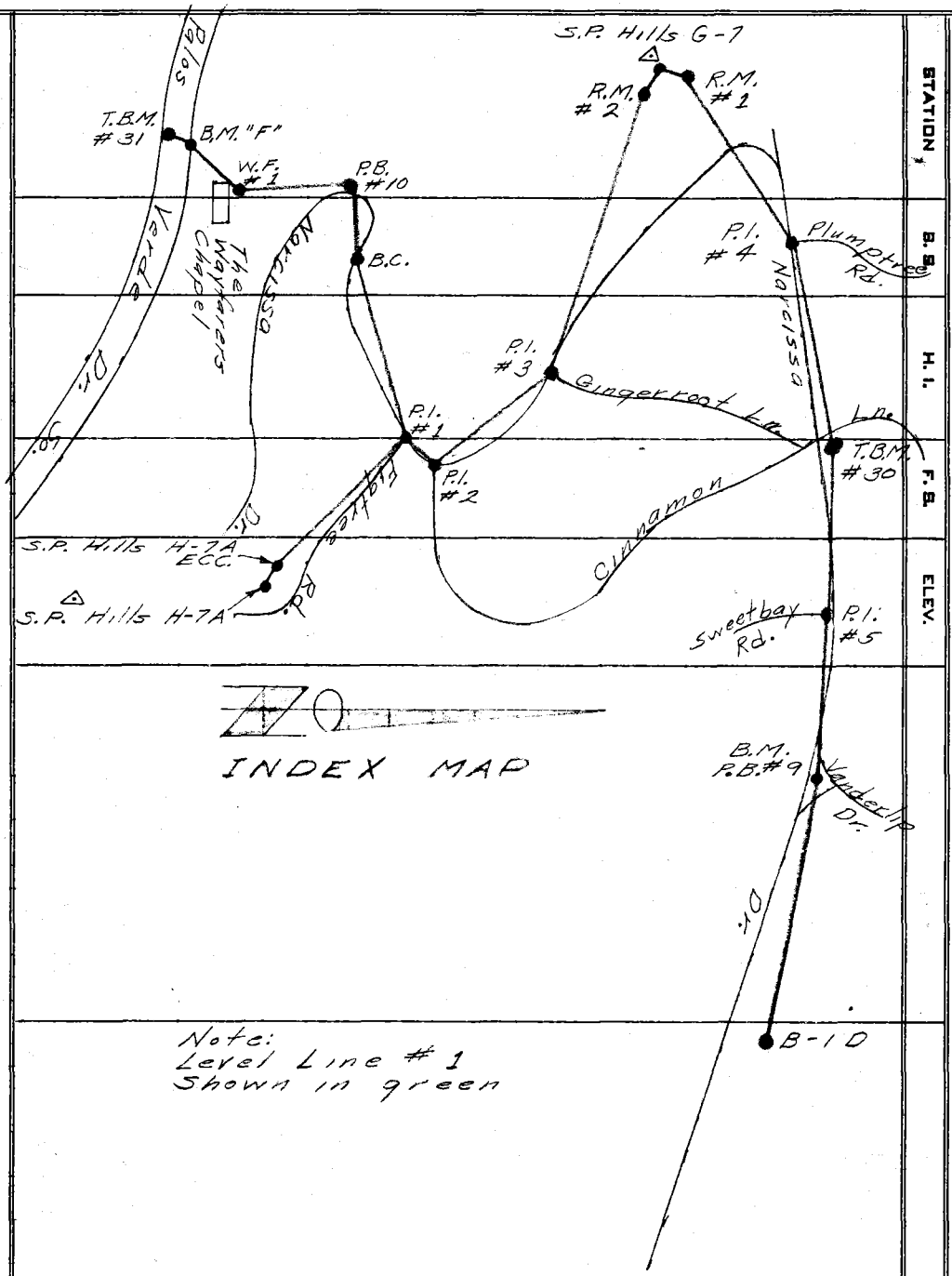
761.298 S & E #307 9-54

F. B. 2254 Pg. 4 | Job No. 0301.02 | Division No. 10 | Notes Red. | Plotted | Profile

Survey of L.A. Co. Precise Level Net | Date | Date | No.

Survey by English | Notes Ed. | Notes Chkd. | Checked | X-Sec.

Indexed ~~C. Johnson~~ | Date | Date | Date | No.



Note:
Level Line #1
Shown in green

76L288 S & E #307 9-84

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Notes Ck'd by	Survey of L.A. CO. PRECISE LEVEL NET	F. B. 2254 Pg. 5
Map No.	JN 0301.02 Tape Std °F	
Office Work	Surveyed by G. E. DREIER	
Checked	Notes Date 11-56	
Date	Indexed L. C. Johnson 11-21-56	

JOB NO. 0301.02

L.A. CO. PRECISE LEVEL NET.

BENCH LEVELS AND PROFILE
PORTUGUESE BEND AREA

DREIER, G.E.
MOODY, J.A.
OHASHI, T.
MELENDEZ, T.J.
DOVER, R.E.

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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78F309 S&E #247 1-56

F. B. 2254 PG. 6

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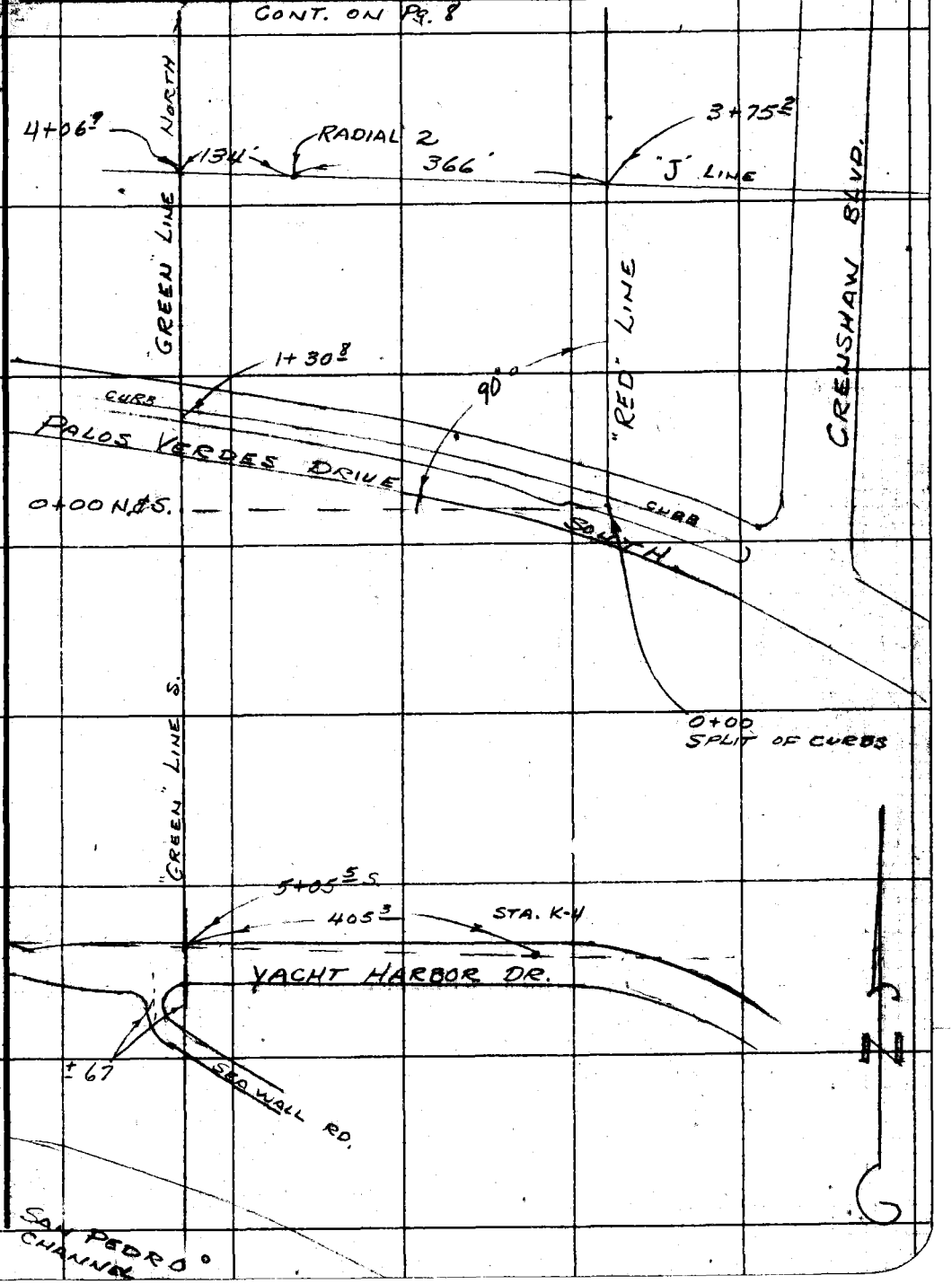
Notes Ck'd by	Survey of L. A. CO. PRECISE LEVEL NET
Map No.	JN 0301.02 Tape Std °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes G.E. DREIER Date 11-17-56
Date	Indexed E. O. Johnson 11-30-56

F. B. 2254 Pg. 7

CONT. ON Pg. 8



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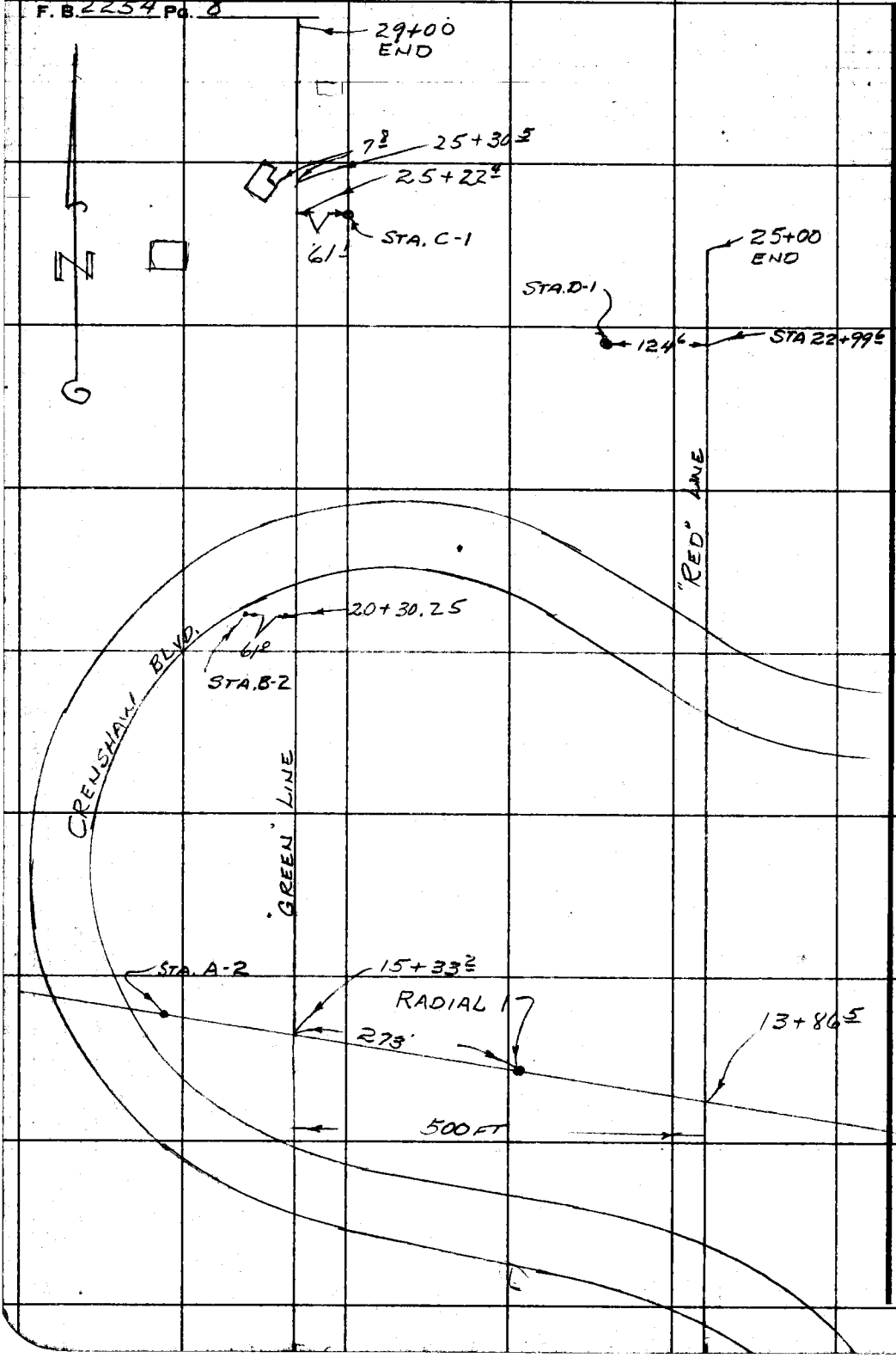
700 LOS ANGELES COUNTY ENGINEERING BLDG.

76F309S SEE #247 1-56

F. B. 2254 Pg. 8



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76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	RED LINE NORTH
B.M. 50-13	360	211.47		207.868	B.M. 50-13 ELEV. 207.868
T.P.	357	208.78	626	205.21	PALOS VERDES DR. S. & CRENSHAW BLVD. SEE F.B. 2400-22 FOR DESC.
T.B.M. #15	337	205.40	675	202.03	
0+00			595	199.45	CENTER OF CENTER PKWY CURBS OF PALOS VERDES DR. S.
0+03			602	199.38	TOP OF CURB
0+04			658	198.82	TOP OF SUBGRADE ROCK
0+40			722	198.18	BOTTOM OF CUT BANK AT N. EDGE ROADWAY
T.P.	1048	215.34	054	204.86	
0+56			807	207.27	TOP OF CUT BANK
0+77			312	212.22	TOP OF BRK
1+00			117	214.17	
1+50			189	213.45	
2+00			648	208.86	
2+50			1031	205.03	
T.P.	037	204.05	1166	203.68	
3+00			213	201.92	
3+50			417	199.88	
3+75±			499	199.06	INT. OF J-LINE & RED LINE
4+00			583	198.22	
4+50			527	198.78	
5+00			341	200.64	

Profile No. ____ Notes Rod. ____ Plotted ____ Job No. 2361.02 Division No. ____
X-Sec. No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET (PART. BRG.)
Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by G.E. DREILER Notes T. CUSHILL Date 11-24-55
Map No. ____ Date ____ Map Chkd. ____ Date ____

F.B. 2254 PG. 9

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	RED LINE	NORTH
		204 05				
5+50			1 43	202 62	✓	
T.P.	11 67	215 19	0 53	203 52	✓	
6+00			9 52	205 67	✓	
6+50			4 09	211 10	✓	
7+00			2 73	212 46	✓	
T.P.	11 83	226 71	0 31	214 88	✓	
7+50			10 86	215 85	✓	
8+00			8 82	217 89	✓	
8+50			6 50	220 21	✓	
9+00			3 84	222 87	✓	
T.P.	11 77	238 24	0 24	226 47	✓	
9+50			8 01	230 23	✓	
10+00			3 57	234 67	✓	
T.P.	11 96	249 92	0 28	237 96	✓	
10+50			9 12	240 80	✓ TOE OF SLOPE	
T.P.	11 66	261 1.5	0 43	249 49	✓	
T.P.	11 81	272 69	0 27	260 88	✓	
11+00			8 05	264 64	✓ TOP OF SLOPE	
11+30			0 89	271 80	✓ BRK	
T.P.	9 62	281 69	0 62	272 07	✓	
11+50			8 19	273 50	✓	

F. B. 2254 Pg. 10
Job No. 030102 Division No. Notes Red. Plotted Profile
Survey of L. A. CO. PRECISE LEVEL NET (PORT. BEND) Date 11-20-56 Date No.
Survey by G. E. DREIER Notes T. OHASHI Notes Chkd. Checked X-Sec.
Indexed E. C. Johnson Date Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	RED LINE PROFILE NORTH
		281 69			
11+76			7 44	274 25	TOP OF CUT BANK
11+80			9 75	271 94	BOTTOM OF CUT BANK
12+00			7 67	274 02	
T.P. 12+46	11 44	290 89	2 24	279 45	BOTTOM OF CUT BANK
12+50			8 71	282 18	TOP " " "
12+73			4 31	286 58	TOE OF SLOPE
T.P.	11 76	302 41	0 24	290 65	
T.P.	11 89	314 01	0 29	302 12	
13+00			9 52	304 49	
T.P.	11 51	325 13	0 39	313 62	
T.P.	11 01	335 85	0 29	324 84	
T.P.	11 63	347 05	0 43	335 42	
13+50			6 75	340 30	
T.P	9 19	355 37	0 87	346 18	
13+63			6 45	348 92	TOP OF SLOPE
14+00			4 42	350 95	
14+50			4 36	351 01	
15+00			2 66	352 71	
T.P.	11 89	364 47	2 79	352 58	
15+50			9 61	354 86	
16+00			9 50	354 97	

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. ____ F. B. 2254 Pg. 11
No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET, (PORT. BEND) & GED.
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes T. OHASHI Date 11-20-56
No. ____ Date ____ Date ____ Map No. ____ Andrew Johnson Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	"RED" LINE PROFILE NORTH
		364 47			
16+50			8 24	356.23	STA. 4FT LEFT & 0.5 HIGH, BLDG. ON LINE
17+00			9 12	355.35	
17+50			9 63	354.84	
17+62			9 14	355 33	TOE OF FILL SLOPE (CRENSHAW BLVD.)
T.P	11 96	376 05	0 38	364 09	
T.P.	10 86	386 66	0 25	375 80	
T.P.	11 04	397 34	0 36	386 30	
T.P.	10 90	407 81	0 43	396 91	
18+35			3 26	404 55	TOP OF FILL SLOPE
18+50			0 00	407 81	
19+00			5 10	402 71	
19+50			7 69	400 12	
20+00			8 79	399 02	
20+50			9 84	397 97	
21+00			9 91	397 90	
21+50			7 95	399 86	TOE OF SLOPE
STA. E-2			5 58	402 23	
T.P.	11 54	418 90	0 45	407 36	
T.P.	11 21	429 70	0 41	418 49	
22+00			11 01	417 69	
T.P.	11 87	441 00	0 57	429 13	

F. B. 2254 Pg. 12 Job No. Q30102 Division No. Notes Red G.E.D Plotted No. Profile
Survey of L.A. Co. PRECISE LEVEL NET. (PORT. BEND) Date 11-20-56 Date X-Sec.
Survey by G.E. DREIER Notes G.E.D Notes Chkd. Checked
Indexed [redacted] C. Johnson Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	"RED" LINE PROFILE NORTH
		441 00			
22+27			7 01	433 99	TOP OF SLOPE,
22+47			5 36	435 64	BOT BRK.
22+50			4 29	436 71	TOP BRK
STA. D-1			3 68	437 32	
T. P.	11 24	451 85	0 39	440 61	
23+00			3 46	448 39	
T. P.	11 71	463 32	0 24	451 61	
23+50			4 83	458 49	
T. P.	7 [illegible]	469 51	1 43	461 89	
24+00			5 07	464 44	
24+50			2 56	466 95	
25+00			1 07	468 44	END
T. P.	0 58	458 23	11 86	457 65	
T. P.	0 39	447 33	11 29	446 94	
STA E-1			11 96	435 37	STA. E-1

MEAN OF PREVIOUS RUNS (F.B. 2246)
435.33

O.K.
gm

Profile Notes Red. Plotted. Job No. 0301.02 Division No.
No. Date. Date. Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND)
X-Sec. Notes Chkd. Checked. Survey by G.E. DREIER Notes G.E.D. Date 11-20-56
No. Date. Date. Map No. Notes Johnson Date.

F. B. 2254 Pg. 13

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	GREEN LINE PROFILE NORTH
B.M. 50-13	3 88	211 75		207 87	B.M. 50-13 ELEV. 207,868
T.P	4 05	209 25	6 55	205 20	PALOS VERDES DR. S. & CRENSHAW BLVD. SEE F.B. 2400-22 FOR DESC.
T.B.M. #15	3 13	205 14	7 24	202 01	T.B.M. #15
T.P	2 42	200 88	6 68	198 46	CRENSHAW BLVD. & PALOS VERDES DR. S., N.E. COR. L.&N. IN CENTER
T.P.	1 50	194 86	7 52	193 36	
T.P.	7 70	191 95	10 61	184 25	
0+00 N.			11 58	180 37	0+00 going NORTH.
0+15			6 77	185 18	
0+50			3 24	188 71	
T.P.	5 52	197 18	0 29	191 66	
0+84			4 80	192 38	TOP OF CUT BANK
0+87			7 2	1900	BOT. OF CUT BANK (BEING FILLED)
1+28			5 39	191 79	TOP CURB
1+30 8			5 29	191 89	APPROX ℄ SPLIT OF CURBS PALOS VERDES DR. S.
1+33 8			5 26	191 92	TOP CURB
1+68			6 36	190 82	BOT CUT BANK
T.P	10 86	207 72	0 32	196 86	
1+81			3 86	203 86	TOP OF CUT BANK
2+00 T.P.	11 78	219 32	0 18	207 54	
2+50 T.P	2 60	221 51	0 41	218 91	
2+80			1 52	219 99	TOP OF HILL
3+00			2 70	218 81	

Profile Notes Red. Plotted Job No. 030102 Division No. F.B. 2254 PG. 15
No. Date Date Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND)
X-Sec. Notes Chkd. Checked Survey by G.E. DREIER Notes G.E.D. Date 11-21-56
No. Date Date Map No. Indexed Johnson Date NOV 22 56

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	GREEN LINE NORTH
		221 51			
3+50			7 03	214 48	
T.P.	5 91	215 85	11 57	209 94	
4+00			6 56	209 29	4+06 INTER. GREEN LINE & "J" LINE
4+50			10 52	205 33	
5+00			9 99	205 86	
5+50			6 98	208 87	
RADIAL 2			9 49	206 36	
T.P	11 69	227 20	0 34	215 51	
6+00			9 73	217 47	
6+50			2 54	224 66	
T.P.	11 64	238 61	0 23	226 97	
7+00			8 94	229 67	
T.P.	11 86	250 13	0 34	238 27	
7+50			11 00	239 13	
8+00			1 03	249 10	TOP BRK
T.P.	11 89	261 56	0 46	249 67	
8+50			10 87	250 69	BOT BRK
T.P.	11 82	273 17	0 21	261 35	
9+00			10 13	263 04	
9+50 T.P.	11 99	285 16	0 00	273 17	
10+00			6 49	278 67	

F. S. 2254 PG. 16

Job No. 030102 Division No. Notes Red. Plotted No. Profile

Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND) Date 4-21-56 Date X-Sec.

Survey by G. E. DREIER Notes G.E.D. Notes Chkd. Checked No.

Indexed C. Johnson Date Date Date

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	GREEN LINE PROFILE NORTH	
		285 16 ✓				
10+38^5			0 51	284 65 ✓	TOP BRK	
10+50			1 02	284 14 ✓		
11+00 T.P	6 75	283 28 ✓	8 63	276 53 ✓		
11+38			11 26	272 02 ✓	BOT. BRK	
11+50			11 20	272 08 ✓		
12+00			7 08	276 20 ✓		
T.P	11 31	294 38 ✓	0 21	283 07 ✓		
12+50			8 03	286 35 ✓	TOE OF ROAD FILL,	CRENSHAW BLVD.
T.P.	11 65	305 78 ✓	0 25	294 13 ✓		
T.P	11 63	317 03 ✓	0 38	305 40 ✓		
T.P.	8 92	325 62 ✓	0 33	316 70 ✓		
13+07			5 90	319 72 ✓	TOP OF ROAD FILL	CRENSHAW BLVD.
13+50			8 76	316 86 ✓	± 5F N. ℄	" "
13+78			16 75	314 87 ✓	BOT. ROCK WALL ON	CONC. DRAIN
13+78^5			9 74	315 88 ✓	TOP ROCK WALL	
14+00			7 65	317 97 ✓		
T.B.M # 23			10 49	315 13 ✓		
14+50			2 66	322 96 ✓		
T.P.	12 00	337 36 ✓	0 26	325 36 ✓		
15+00			7 52	329 84 ✓	15+33^2 = INTER. GREEN LINE & "A" LINE	
15+33^2 T.P.	11 75	349 11 ✓	0 00	337 36 ✓		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. ____ F. B. 2254 PG. 17
X-Sec. No. ____ Date ____ Date ____ Survey of L.A.Co. PRECISE LEVEL NET (PORT. BEND)
Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 11-21-56
Date ____ Date ____ Map No. ____ Date ____
Reduced C. Johnson

76298 S & E #307—7-55

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F. B. 2254 Pg. 18 | Job No. 0301.02 | Division No. | Notes Red. G.E.D. | Plotted | No.
Survey of L.A.Co. PRECISE LEVEL NET (PORT. BEND) | Date 11-21-56 | Date | X-Sec.
Survey by G.E. DREIER | Notes G.E.D. | Notes Chkd. | Checked | No.
Indexed E. C. Johnson | Date | Date | Date

STATION	B. S.	H. I.	F. S.	ELEV.	GREEN LINE PROFILE NORTH
		349 11 ✓			
STA. A-2			9 20	339 91 ✓	
15+50			9 34	339 77 ✓	
T.P.	7 86	356 69 ✓	0 28	348 83 ✓	
16+00			5 55	351 14 ✓	
16+20.5			2 98	353 71 ✓	TOP BRK
16+50			2 29	354 40 ✓	
17+00			3 22	353 47 ✓	
17+50			6 17	350 52 ✓	
18+00			8 18	348 51 ✓	
18+50			8 49	348 20 ✓	
19+00			8 38	348 31 ✓	
19+50			8 03	348 66 ✓	
20+00			7 95	348 74 ✓	
20+48			7 40	349 29 ✓	TOE OF FILL
20+59 T.P.	9 19	365 3 ✓	0 57	356 12 ✓	TOP OF FILL
20+67			9 11	356 20 ✓	TOP OF FILL
20+71			11 30	354 01 ✓	TOE OF FILL S. EDGE RDWAY, CRENSHAW
21+00			8 42	356 89 ✓	± 5 FT. S. ℄ CRENSHAW BLVD.
21+35			4 68	360 63 ✓	TOE OF FILL
T.P.	11 66	376 67 ✓	0 30	365 01 ✓	
T.P.	11 67	387 92 ✓	0 42	376 25 ✓	

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		387 92				
21+72			4 05	383 87	TOP OF BRK ON FILL	
22+00			3 81	384 11		
22+50			2 83	385 09		
23+00			1 97	385 95		
23+10 T.P.	11 37	397 55	1 74	386 18	BOT. BRK ON FILL	
23+14			8 79	388 76	TOP " " "	
23+50			7 85	389 70	FAULT BETWEEN 23+80 & 24+00	
24+00			3 22	394 33	EDGE FAULT AT BOTTOM OF SLOPE	
T.P.	11 81	409 09	0 27	397 28		
24+25			3 94	405 15	BRK	
T.P.	11 86	420 74	0 21	408 88		
24+50 T.P.	9 40	429 86	0 28	420 46		
24+56			5 59	424 27	S. EDGE RDWAY	TOP BRK
24+69			5 81	424 05	N. " "	BOT CUT BANK
T.P.	7 25	435 85	1 16	428 70		
24+79			5 19	430 76		TOP CUT BANK
24+85			4 34	431 61	BOT. BRK.	
24+95 T.P.	11 36	447 13	0 18	435 77	TOP. BRK	
25+00			10 86	436 27		
25+03			10 48	436 65	BOT BRK	
25+09			6 91	440 22	TOP BRK	

Profile Notes Red G.E.D. Plotted ____ Job No. 0301.02 Division No. ____ F.B. 2254 Pg. 19
No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND)
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes G.E.P. Date 11-21-56
No. ____ Date ____ Date ____ Map No. ____ Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	
		447 13 ✓			
STA. C-1			9 08	438 05 ✓	
25+50 T.P.	6 29	453 15 ✓	0 27	446 86 ✓	
26+00			2 95	450 20 ✓	
26+46			3 22	449 93 ✓	S. EDGE OF FAULT
26+57	11 54	462 88 ✓	1 81	451 34 ✓	N. EDGE OF FAULT
26+90			5 92	456 96 ✓	BOT. BRK.
27+00 T.P.	11 44	473 24 ✓	1 08	461 80 ✓	
27+12			6 96	466 28 ✓	TOP BRK
T.P.	11 96	484 99 ✓	0 21	473 03 ✓	
27+50			10 25	474 74 ✓	
28+00 T.P.	12 00	495 93 ✓	1 06	483 93 ✓	
28+50 T.P.	11 96	507 41 ✓	0 48	495 45 ✓	
T.P.	11 10	518 32 ✓	0 19	507 22 ✓	
29+00			9 85	508 47 ✓	END
T.P.	10 82	527 93 ✓	1 21	517 11 ✓	
T.P.	11 53	536 31 ✓	3 15	524 78 ✓	
T.B.M. #14			4 28	532.03 ✓	T.B.M. #14 LINE 50 ELEV. 532.026 F.B. 2400-17 CRENSHAW BLVD, SLY SIDE, 0.85 MI. N. OF PALOS VERDES DR. S., P.K. SPK IN W. WING WALL OF CULVERT HEADWALL

O.K.
[illegible]

F. B. 2254 Pg. 20

Job No. 0301.02 Division No. Notes Red G.E.D. Plotted Profile
Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND) Date 11-21-56 Date No.
Survey by G.E. DREIER Notes G.E.D. Notes Chkd. Checked X-Sec.
Indexed R. C. Johnson Date Date Date No.

76298 S & E #307—7-55

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10.172

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STATION	B. S.	H. I.	F. S.	ELEV.	GREEN PROFILE SOUTH
B.M. 50-13	3 722	211 590		207 868	B.M. 50-13 ELEV. 207.868 F.B. 2400-22 PALOS VERDES DR. S. & CRENSHAW BLVD.
T.P.	3 772	208 971	6 391	205 ~~199~~ 200	
T.B.M. #15	3 684	205 656	6 999	201 ~~972~~ 973	T.B.M. #15 CRENSHAW BLVD. & PALOS VERDES DR. S., N.E. COR. L.&N. IN CENTER OF ROCK HEADWALL
RED 0+00 T.P.	1 511	200 835	6 332	199 ~~324~~ 326	
T.P.	0 579	190 486	10 928	189 ~~907~~ 909	
GREEN 0+00	0 662	180 976	10 172	180 ~~314~~ 317	0+00 NORTH & SOUTH
T.P.	0 786	170 699	11 063	169 ~~913~~ 917	
0+50 S.			6 74	163 96	
T.P.	0 360	159 217	11 842	158 ~~857~~ 862	
1+00 S.			3 00	156 ~~22~~ 3	
1+50 S.			12 65	146 ~~57~~ 8	
T.P.	0 276	141 563	17 930	141 ~~287~~ 294	
2+00 S.			9 27	132 ~~29~~ 30	
2+34 S, T.P.	2 193	126 888	16 868	124 ~~695~~ 703	BOTTOM BRK
2+50 S.			3 59	123 ~~30~~ 1	
2+68 S.			6 37	120 ~~52~~ 3	TOP BRK
2+95± S.				984	+0.0 116.28 − 17.9 = 98.4 BOT. OF ERRODED GULLY
3+12 S.			10 61	116 ~~28~~ 9	TOP BRK
3+50 S, T.P.	0 877	112 467	15 298	111 ~~590~~ 601	
4+00 S.			6 93	105 ~~54~~ 5	
T.P.	1 245	96 144	17 568	94 ~~899~~ 911	

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F.B. 2254 Pg. 21
No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET PORT. BEND
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 11-26-56
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76298 S & E #307—7-55

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20

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STATION	B. S.	H. I.	F. S.	ELEV.	GREEN LINE PROFILE. SOUTH
		96 140			
4+50 S			5 87	90 28	
4+67 S			11 32	84 83	TOP BRK ON N. EDGE DIRT RD. CUT
4+72 S.			14 45	81 70	BOT " " " " " " "
4+83 S.			14 12	82 03	TOP BRK TOP CUT BANK, YAHCT HARBOR DR.
T.P.	0 947	79 386	17 705	78 454	
5+04 S			14 60	64 81	BOT. CUT BANK N. SIDE YAHCT HARBOR DR
5+11 S			15 29	64 12	N. EDGE PAV. " "
5+22 S			15 59	63 82	APPROX CENTER " "
5+40 S			16 79	62 62	PAVE. S. SIDE " "
5+41 S			15 22	64 19	TOP ROCK WALL " "
5+50 S			14 66	64 75	
5+85 S			13 05	66 36	TOP BRK
T.P.	2 168	64 261	17 293	62 112	
6+04 S			5 83	58 45	TOP ROCK WALL N. SIDE
6+04 S			7 13	57 15	PAV. AT BASE " N. SIDE
6+18 S			7 79	56 49	CENTER OF PAV.
6+30 S. END.			8 83	55 45	S. EDGE PAV.
T.P.	9 111	72 936	0 436	63 847	
T.P	11 879	82 121	2 694	70 265	
T.P.	8 376	90 185	0 312	81 833	
STA K-4			2 504	87 705	

F. B. 2254 Pg. 22 Job No. 030102 Division No. 10 Notes Red G.E.D. Plotted No. Date X-Sec.
Survey of L.A.Co. PRECISE LEVEL NET (PORT. BEND) Date 11-26-56 Notes Chkd. Checked No.
Survey by G.E. DREIER Notes G.E.D. Date
Indexed C. Johnson Date

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	~~705~~					
STA. K-4	87.687					CONT
+	7.313					
Π	~~94.994~~	40				
−	95.018					
	3.534					
T.P.	91.4~~66~~ 84					
+	9.719					
Π	101.~~179~~ .204					
−	1.519					
T.P.	99.6~~66~~ 85					
+	11.994					
Π	111.6~~54~~ 79					
−	0.498					
T.P.	111.1~~56~~ 82					
+	11.705					
Π	122.8~~67~~ 88					
−	0.373					
T.P.	122.~~488~~ 515					
+	10.855					
Π	133.3~~45~~ 71					
−	0.640					
T.P.	132.7~~25~~ 21					
+	9.139					
Π	141.~~872~~ 871					
−	5.841					
STA. K-5	136.~~001~~ 031					
+	11.897					
Π	147.~~898~~ 928					
−	0.389					
T.P	147.~~509~~ 540					

NOTES RED _____ JOB NO 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET (PORTUGUESE BEND) F.B. 2254 PG. 2
DATE _____ SURVEY BY G.E. DREIER
NOTES CHKD. _____ NOTES BY G.E. DREIER DATE 11-26-56
DATE _____ INDEXED K. C. Johnson DATE _____

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	147.~~509~~ .540					CONT.
+	11.492					
⊼	159.~~001~~ .032					
−	0.456					
T.P.	158.~~545~~	.577				
+	11.822					
⊼	170.~~367~~ .399					
−	0.619					
T.P.	169.~~748~~	.781				
+	11.394					
⊼	181.~~142~~	.176				
−	0.423					
T.P.	180.~~719~~	.753				
+	11.739					
⊼	192.~~458~~	.493				
−	0.298					
T.P.	192.~~160~~	.195				
+	10.073					
⊼	202.~~233~~	.269				
−	0.293					
T.P	201.940	.977				
+	9.679					
⊼	211.~~619~~	.657				
−	3.790					
B.M. 50-13	207.~~829~~	.868				B.M. 50-13 EL. 207.868 PALOS VERDES DR. S. & CRENSHAW BLVD. SEE F.B. 2400-22 FOR DESC.

JOB NO. 0301.02 SURVEY OF PORTUGUESE L. A. CO. PRECISE LEVEL NO.
SURVEY BY G. E. DREIER DATE
NOTES BY G. E. DREIER DATE 11-26-56 NOTES CHKD
INDEXED A. C. Johnson DATE DATE

F.B. 2254 PG. 24

769420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
BM 50-13	207.868				207.868	B.M. 50-13 ELEV. 207.868 BLVD PALOS VERDES DR. S. & CRENSHAW SEE F.B. 2400-22 FOR DESC.
+	3.639					
⊼	211.507					
−	6.299					
T.P.	205.208					
+	3.706					
⊼	208.914					
−	6.939					
T.B.M. #15	201.975					
+	7.688					
⊼	209.663					
−	2.031					
T.P.	207.632					
+	9.077					
⊼	216.709					
−	1.109					
T.B.M. #24	215.600					
+	9.371					
⊼	224.971					
−	0.509					
T.P.	224.462					
+	11.238					
⊼	235.700					
−	0.731					
STA. G-2	234.969					
+	0.706					
⊼	235.675					
−	11.214					
T.P.	224.461					

NOTES RED. _____ JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET (PORTUGUESE BEND)
DATE _____ SURVEY BY G.E. DREIER F.B. 2254 PG. 25
NOTES CHKD. _____ NOTES BY G.E. DREIER DATE 11-27-56
DATE _____ INDEXED C. JOHNSON DATE _____

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(PORTUGUESE BEND)
JOB NO 030102 SURVEY OF L. A. CO. PRECISE LEVEL NET
SURVEY BY G. E. DREIER
NOTES BY G. E. DREIER DATE 11-27-56
INDEXED A. C. Johnson DATE
NOTES RED. DATE
NOTES CHKD. DATE

F.B. 2254 PG. 26

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	224.461.					CONT.
+	0.644					
⊼	225.105.					
−	9.508					
T.P.	215.597.					
+	0.343					
⊼	215.940.					
−	11.029					
STA. J-5	204.911.					
+	1.279					
⊼	206.190.					
−	2.153					
T.P.	204.037.					
+	7.358					
⊼	211.395.					
−	5.017					
RADIAL 2	206.378.					
+	11.288					
⊼	217.666.					
−	1.386					
T.P.	216.280.					
+	11.779					
⊼	228.059.					
−	2.346					
STA. J-4	225.713.					225.712
205± +	4.336		3.685			
	2[illegible]	0.304	0.298 −			− 0.300
220± −	4.637		3.983			
STA. J-3	225.413.					225.413

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
STA. J-3	225.413.					CONT.
+	6.883					
⊼	232.296.					
-	10.399					
T.P.	221.897.					
+	2.154					
⊼	224.051.					
-	8.671					
STA J-1	215.380.					
+	0.299					
⊼	215.679.					
-	11.358					
T.P.	204.321.					
+	1.738					
⊼	206.059.					
-	8.219					
B.M. "D"	197.840.					L.A.Co. RD. CONST. B.M.
+	6.218					
⊼	204.058.					
-	0.278					
T.P.	203.780.					
+	11.774					
⊼	215.554.					
-	0.425					
T.P.	215.129.					
+	6.284					
⊼	221.413					
-	4.673					
B.M. P.1#17	216.740					

NOTES RED. _____ JOB NO. 030102 SURVEY OF L.A. CO. PRECISE LEVEL NET (PORTUGUESE BEND) F.B. 2254 PG. 27
DATE _____ SURVEY BY G. E. DREIER
NOTES CHKD. _____ NOTES BY G.E. DREIER DATE 11-27-56
DATE _____ INDEXED A. C. Johnson DATE

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SURVEY BY G. E. DREIER
NOTES BY G.E. DREIER DATE 11-27-56
INDEXED C. Johnson DATE
NOTES RED DATE
NOTES CHKD DATE

PORTUGUESE BEND

F. B. 2254 PG. 28

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
P.I. #17	216.740					CONT.
+	2.779					
⊼	219.519					
−	9.217					
T.P.	210.302					
+	0.540					
⊼	210.842					
−	11.568					
T.P.	199.274					
+	4.447					
⊼	203.721					
−	6.248					
T.P.	197.473					
+	3.688					
⊼	201.161					
−	5.958					
T.P.	195.203					
+	4.139					
⊼	199.342					
−	5.156					
B.M. 34-17A	194.186					B.M. 34-17A ELEV. 194.188
+	3.328					PALOS VERDES DR. S. & PEPPERTREE DR.
⊼	197.514					SEE F.B. 1355-44 FOR DESC.
−	1.778					
T.P.	195.736					
+	11.539					
⊼	207.275					
−	1.377					
T.P.	205.898					

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	205.898					CONT.
+	7.990					
⊼	213.888					
−	0.220					
STA. K-1	213.668					
+	0.652					
⊼	214.320					
−	8.421					
T.P.	205.899					
+	1.580					
⊼	207.479					
−	11.744					
T.P.	195.735					
+	0.412					
⊼	196.147					
−	11.751					
T.P.	184.396					
+	0.868					
⊼	185.264					
−	11.869					
T.P.	173.395					
+	0.567					
⊼	173.962					
−	11.927					
T.P.	162.035					
+	0.478					
⊼	162.513					
−	11.018					
T.P.	151.495					

NOTES RED. _____ JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET (PORTUGUESE BEND) F.B. 2254 PG. 29
DATE _____ SURVEY BY G. E. DREIER
NOTES CHKD. _____ NOTES BY G. E. DREIER DATE 11-27-56
DATE _____ INDEXED J. C. Johnson DATE _____

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JOB NO. 030.02 SURVEY OF L.A. CO. PRECISE LEVEL NET (PORTUGUESE BEND)
SURVEY BY G. E. DREIER
NOTES BY G. E. DREIER DATE 11-27-56
INDEXED J. C. Johnson DATE
NOTES RED. DATE
NOTES CHKD. DATE

F. B. 2254 PG. 30

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	151.495					CONT.
+	0.383					
Σ	151.878					
−	11.015					
T.P.	140.863					
+	1.883					
Σ	142.746					
−	11.786					
T.P.	130.960					
+	0.921					
Σ	131.881					
−	9.222					
T.B.M. #25	122.659					
+	1.270					
Σ	123.929					
−	10.177					
T.P.	113.752					
+	0.792					
Σ	114.544					
−	11.708					
T.P.	102.836					
+	0.404					
Σ	103.240					
−	9.242					
T.P.	93.998					
+	1.102					
Σ	95.100					
−	11.703					
T.P.	83.397					

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	83.397					
+	0.607					
⊼	84.004					
−	11.838					
T.P.	72.166					
+	0.715					
⊼	72.881					
−	11.095					
T.P.	61.786					
+	2.958					
⊼	64.744					
−	3.183					
T.B.M.#28	61.561	→	to Pg. 33			
+	2.238					
⊼	63.799					
−	9.009					
T.P.	54.790					
+	0.899					
⊼	55.689					
−	11.608					
T.P	44.081					
+	2.819					
⊼	46.900					
−	7.474					
STA. K-3	39.426					
+	2.612					
⊼	42.038					
−	7.112					
T.B.m.#27	34.926					

NOTES RED. _____ JOB NO 0301.02 SURVEY OF LA. Co. PRECISE LEVEL NET (PORTUGUESE BEND)
DATE _____ SURVEY BY G.E. DREIER
NOTES CHKD. _____ NOTES BY G.E. DREIER DATE 11-27-56
DATE _____ INDEXED A. C. JOHNSON DATE _____

F.B. 2254 Pg. 31

F. B. 2254 Pg. 32

JOB NO. 0301.02 SURVEY OF (PORTUGUESE BEND) L.A. Co. PRECISE LEVEL NET NOTES RED.

SURVEY BY G.E. DREIER DATE

NOTES BY G.E. DREIER DATE 11-27-56 NOTES CHKD.

INDEXED A. C. Johnson DATE DATE

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.B.M. #27	34.926.					
+	41.164					
⊼	39.090.					
-	5.885					
	33.205.					
STA. K-2	0.613					
+	33.818.					
⊼	11.527					
-	22.291.					
T.P.	2.346					
+	24.637.					
⊼	5.722					
-	18.915.					
T.P.	4.348					
+	23.263.					
⊼	5.899					
-	17.364.					
T.B.M. #26	4.253					
+	21.617.					
⊼	5.572					
-	16.045.					
T.P.	3.649					
+	19.694.					
⊼	3.302					
-	16.392.					
T.P.	1.567					
+	17.959.					
⊼	10.358					
-	7.601.					
B.M. P.B. #1						

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76842O S & E-353 4-54

76S420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.B.M. #28	61.561.					CONTINUED FROM PAGE 31
+	10.123					
⊼	71.684.					
−	1.375					
T.P.	70.309.					
+	11.883					
⊼	82.192.					
−	0.315					
T.P.	81.877.					
+	8.323					
⊼	90.200.					
−	2.455					
STA. K-4	87.745.					
+	7.368					
⊼	95.113.					
−	3.594					
T.P	91.519.					
+	9.185					
⊼	100.704.					
−	0.981					
T.P.	99.723					
+	11.968					
⊼	111.691.					
−	0.479					
T.P.	111.212					
+	11.889					
⊼	123.101.					
−	0.552					
T.P.	122.549.					

NOTES RED. JOB NO. 030102 SURVEY OF L.A. CO. PRECISE LEVEL NET (PORTUGUESE BEND)
DATE SURVEY BY G.E. DREIER
NOTES CHKD. NOTES BY G.E. DREIER DATE 11-27-56
DATE INDEXED C. Johnson DATE

F.B. 2254 PG. 33

765420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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(PORTUGUESE BEND)
JOB NO. 030102 SURVEY OF L.A.Co. PRECISE LEVEL NET NOTES RED
SURVEY BY C.E. DREIER DATE
NOTES BY G.E. DREIER DATE 11-27-56 NOTES CHKD.
INDEXED A. C. Johnson DATE DATE

F.B. 2254 PG. 34

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	122.549					CONT.
+	11.103					
⊼	133.652					
−	0.892					
T.P.	132.760					
+	9.365					
⊼	142.125					
−	6.065					
STA. K-5	136.060					
+	11.830					
⊼	147.890					
−	0.326					
T.P.	147.564					
+	11.643					
⊼	159.207					
−	0.606					
T.P.	158.601					
+	11.606					
⊼	170.207					
−	0.404					
T.P.	169.803					
+	11.401					
⊼	181.204					
−	0.428					
T.P.	180.776					
+	11.637					
⊼	192.413					
−	0.197					
T.P.	192.216					

76S420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	192.216					CONT.
+	10.299					
⊼	202.515					
−	0.518					
T.P.	201.997					
+	9.625					
⊼	211.622					
−	3.734					
B.M. 50-13	207.888			OK		B.M. 50-13 ELEV. 207.888 PALOS VERDES DR. S. & CRENSHAW BLVD. SEE F.B. 2400-22 FOR DESC.
B.M. 50-13	207.868					
+	3.593		2.072			
⊼	211.461	2.663	2.661			
−	6.256		4.733			
T.P.	205.205					
+	3.531					
⊼	208.736					
−	6.778					
T.B.M. # 15	201.958					
+	11.793					
⊼	213.751					
−	0.453					
T.P.	213.298					
+	9.799					
⊼	223.097					
−	0.853					
T.P.	222.244					

NOTES RED _____ JOB NO. 0301.02 SURVEY OF L.A. Co. PRECISE LEVEL NET (PORTUGUESE BEND)
DATE _____ SURVEY BY G.F. DREIER
NOTES CHKD. _____ NOTES BY G.E. DREIER DATE 11-27 & 28-56
DATE _____ INDEXED C. Johnson DATE _____

F.B. 2254 PG. 35

F. B. 2254 PG. 36

(PORTUGUESE BEND)

JOB NO. 0301.02 SURVEY OF L.A.Co PRECISE LEVELING NOTES RED.

SURVEY BY G.E. DREIER DATE

NOTES BY G.E. DREIER DATE 11-28-56 NOTES CHKD.

INDEXED [redacted] C. Johnson DATE DATE

765480 S & E-333 4-54

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LOS ANGELES COUNTY SURVEYOR
723 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	222.244.					CONT.
+	11.982					
⊼	234.226.					
-	0.575					
T.P.	233.651.					
+	11.561					
⊼	245.212.					
-	0.903					
T.P.	244.309.					
+	11.917					
⊼	256.226.					
-	0.337					
T.P.	255.889.					
+	11.261					
⊼	267.150.					
-	0.548					
T.P.	266.602.					
+	11.852					
⊼	278.454.					
-	0.512					
T.P.	277.942.					
+	11.891					
⊼	289.833.					
-	0.427					
T.P	289.406.					
+	11.554					
⊼	300.960.					
-	0.212					
T.P.	300.748.					

76S420 S & E-353 4-54

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LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	300.748					CONT.
+	11.686					
⊼	312.434					
−	3.246					
T.P.	309.188					
+	5.487					
⊼	314.675					
−	4.368					
STA. SHIELDS	310.307					STA. SHIELDS, MEAN OF PREVIOUS ELEV. 310.321
+	5.423					
⊼	315.730					
−	1.570					
T.P.	314.160					
+	8.400					
⊼	322.560					
−	6.857					
STA. G-1	315.703					
+	3.791					
⊼	319.494					
−	1.759					
T.P.	317.735					
+	9.399					
⊼	327.134					
−	2.408					
T.P.	324.726					
+	4.582					
⊼	329.308					
−	7.122					
STA A-4	322.186					

NOTES RED ____ JOB NO 030102 SURVEY OF L.A. Co. PRECISE LEVELNET
DATE ____ SURVEY BY G.E. DREIER
NOTES CHKD. ____ NOTES BY G.E. DREIER DATE 11-28-56
DATE ____ INDEXED A. C. JOHNSON DATE ____

F.B. 2254 PG. 37

768420 S & E-353 4-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

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(PORTUGUESE BEND)

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

SURVEY BY G.E. DREIER

NOTES BY G.E. DREIER DATE 11-28-56

INDEXED A. C. Johnson DATE

NOTES RED DATE

NOTES CHKD. DATE

F. B. 2254 PG. 38

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
STA. A-4	322.186					CONT.
+	11.299					
⊼	333.485					
−	3.560					
T.P.	329.925					
+	5.863					
⊼	335.788					
−	6.871					
STA. F-3	328.917					
+	11.179					
⊼	340.096					
−	10.862					
STA. A-3	329.234					
+	8.608					
⊼	337.842					
−	1.366					
T.P.	336.476					
+	8.052					
⊼	344.528					
−	0.818					
T.P.	343.710					
+	11.583					
⊼	355.293					
−	0.418					
T.P.	354.875					
+	11.780					
⊼	366.655					
−	1.679					
RADIAL 1	364.976					

765420 S & E-353 4-54

PLEASE RETURN TO
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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
RADIAL 1	364.976					CONT.
+	1.489					
⊼	366.465					
−	10.958					
T.P.	355.507					
+	0.206					
⊼	355.713					
−	11.453					
T.P.	344.260					
+	0.473					
⊼	344.733					
−	11.028					
T.P.	333.705					
+	0.718					
⊼	334.423					
−	11.589					
T.P.	322.834					
+	1.937					
⊼	324.771					
−	9.634					
T.B.M. #23	315.137					
+	6.313					
⊼	321.450					
−	1.056					
T.P.	320.394					
+	11.730					
⊼	332.124					
−	0.430					
T.P.	331.694					

NOTES RED _____ JOB NO 0301.02 SURVEY OF L.A. Co. PRECISE LEVEL NET (PORTUGUESE BEND)
DATE _____ SURVEY BY G. E. DREIER
NOTES CHKD. _____ NOTES BY G. E. DREIER DATE 11-28-56
DATE _____ INDEXED A. C. Johnson DATE _____

F. B. 2254 PG. 39

765420 S & E-353 4-54

PLEASE RETURN TO
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JOB NO 0301.02 SURVEY OF L.A. Co. PRECISE LEVEL NET (PORTUGUESE BEND)
SURVEY BY G.E. DREIER
NOTES BY G.E. DREIER DATE 11-28-56
INDEXED C. JOHNSON DATE
NOTES RED. DATE
NOTES CHKD. DATE

F. B. 2254 PG. 40

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	331.694					
+	11.130					
⊼	342.824					
−	2.884					
STA. A-2	339.940					
+	4.565					
⊼	344.505					
−	0.819					
STA. A-1	343.686					
+	1.112					
⊼	344.798					
−	1.019					
T.B.M. #22	343.779					
+	7.658					
⊼	351.437					
−	1.952					
B.M. 50-12	349.485					
+	6.355					
⊼	355.840					
−	7.507					
STA. B-2	348.333					
+	11.391					
⊼	359.724					
−	1.154					
T.P.	358.570					
+	11.268					
⊼	369.838					
−	0.750					
T.P.	369.088					

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P	369.088.					
+	11.837					
⊼	380.925					
−	0.518					
T.P.	380.407					
+	11.290					
⊼	391.697					
−	0.406					
T.P.	391.291					
+	7.208					
⊼	398.499					
−	3.923					
STA D-2	394.576					
+	8.304					
	402.880					
−	1.022					
STA. E-2	401.858					
+	9.131					
⊼	410.989					
−	1.017					
T.B.M.# 21	409.972					
+	9.851					
⊼	419.823					
−	1.062					
T.P.	418.761					S. RIM CO. DRAIN M.H.
+	11.561					
⊼	430.322					
−	1.587					
T.P.	428.735					

NOTES RED. _____ JOB NO. 0301.02 SURVEY OF L.A.C. PRECISE LEVEL NET
DATE _____ SURVEY BY G.E. DREIER
NOTES CHKD. _____ NOTES BY G.E. DREIER DATE 11-28-56
DATE _____ INDEXED C. JOHNSON DATE _____

F.B. _____ PG. 41

F. B. 2254 PG. 42

(PORTUGUESE BEND)

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

SURVEY BY G. E. DREIER DATE

NOTES BY G. E. DREIER DATE 11-28-56 NOTES CHKD.

INDEXED A. C. Johnson DATE DATE

765420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	428.735					
+	4.908					
⊼	433.643					
-	1.879					
	431.764					
RJ DEPT (B.M.)						
+	1.712					
⊼	433.476					
-	4.739					
T.P.	428.737					
+	11.140					
⊼	439.877					
-	4.552					
STA E-1	435.325					
+	11.015					
⊼	446.340					
-	4.468					
T.P.	441.872					
+	1.749					
⊼	443.621					
-	6.327					
STA D-1	437.294					
+	7.163					
⊼	444.457					
-	7.822					
T.P.	436.635					
+	9.388					
⊼	446.023					
-	8.145					
STA C-1	437.878					
						L.A. CO. RD. DEPT CONST B.M. ELEV. 432.23
						BT. SPK IN POLE # A 5497 Y

76S420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
STA. C-1	437.878					CONT.
+	0.249					
⊼	438.127					
-	9.447					
T.P.	428.680					
+	1.376					
⊼	430.056					
-	5.648					
T.P	424.408					
+	6.407					
⊼	430.815					
-	7.112					
STA. B-1	423.703					
+	3.794					
⊼	427.497					
-	5.992					
T.P.	421.505					
+	4.956					
⊼	426.461					
-	8.384					
STA. B-1A	418.077					
+	8.641					
⊼	426.718					
-	2.001					
STA. B-1B	424.717					
+	9.099					
⊼	433.816					
-	0.941					
T.P.	432.875					

NOTES RED. _____ JOB NO. 03102 SURVEY OF LA. CO. PRECISE LEVEL NET (PORTUGUESE BEND)
DATE _____ SURVEY BY G.E. DREIER
NOTES CHKD. _____ NOTES BY G.E. DREIER DATE 11-28-56
DATE _____ INDEXED. A. C. JOHNSON DATE _____

F. B. 2254 PG. 43

765420 S & E-353 4-54

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(PORTUGUESE BEND)
JOB NO 0301.02 SURVEY OF L.A. Co. PRECISE LEVEL NET
SURVEY BY G.E. DREIER
NOTES BY G.E. DREIER DATE 11-28-56
INDEXED A. C. JOHNSON DATE
NOTES RED. DATE
NOTES CHKD DATE

F.B. 2254 PG. 44

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	432.875					
+	10.992					
⊼	443.867					
-	1.544					
STA. B-1C	442.323					
+	1.566					
⊼	443.889					
-	11.016					
T.P	432.873					
+	0.185					
⊼	433.058					
-	11.939					
T.B.M. #29	421.119					T.B.M. #29 NARCISS DR. & PEPPERTREE DR. S.W.COR. B.SPK IN P.P. #83365E
+	6.342					
⊼	427.461					
-	8.686					
T.P.	418.775					
+	0.511					
⊼	419.286					
-	11.920					
T.P.	407.366					
+	0.452					
⊼	407.818					
-	11.712					
T.P.	396.106					
+	0.399					
⊼	396.505					
-	11.841					
T.P.	384.664					

NOTES RED. JOB NO. 0301.02 SURVEY OF L.A.Co. PRECISE LEVEL NET (PORTUGUESE BEND)

DATE SURVEY BY G.E. DREIER

NOTES CHKD. NOTES BY G.E. DREIER DATE 11-28-56

DATE INDEXED A. C. Johnson DATE

F. B. 2254 PG. 45

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

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	384.664					
+	0.664					
⊼	385.328					
−	11.301					
T.P.	374.027					
+	0.588					
⊼	374.615					
−	11.681					
T.P.	362.934					
+	0.471					
⊼	363.405					
−	10.499					
T.P.	352.906					
+	4.419					
⊼	357.325					
−	3.868					
STA. H-1	353.457					
+	0.474					
⊼	353.931					
−	11.697					
T.P.	342.234					
+	0.536					
⊼	342.770					
−	9.569					
STA. H-2	333.201					
+	0.792					
⊼	333.993					
−	9.107					
T.P.	324.886					

76S420 S & E-353 4-54

F. B. 2254 PG. 46

JOB NO. 0301.02 SURVEY OF L.A.Co. PRECISE LEVEL NET (PORTUGUESE BEND) NOTES RED.

SURVEY BY G. E. DREIER DATE

NOTES BY G. E. DREIER DATE 11-28-56 NOTES CHKD.

INDEXED A. C. Johnson DATE DATE

76S420 S & E-353 4-54

PLEASE RETURN TO

LOS ANGELES COUNTY SURVEYOR

725 LOS ANGELES COUNTY ENGINEERING BLDG.

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	324.886					
+	1.835					
⊼	326.721					
−	11.419					
STA. H-4	315.302					
+	0.916					
⊼	316.218					
−	10.658					
T.P.	305.560					
+	6.862					
⊼	312.422					
−	11.185					
T.P.	301.237					
+	0.429					
⊼	301.666					
−	11.761					
T.P.	289.905					
+	4.761					
⊼	294.666					
−	6.928					
STA. I-3	287.738					
+	8.799					
⊼	296.537					
−	5.096					
STA. I-2	291.441					
+	11.811					
⊼	303.252					
−	0.375					
T.P.	302.877					

76S420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	302.877					
+	11.621					
⊼	314.498					
−	1.440					
T.P.	313.058					
+	7.412					
⊼	320.470					
−	0.911					
STA. I-1	319.559					
+	1.363					
⊼	320.922					
−	10.777					
T.P.	310.145					
+	0.401					
⊼	310.546					
−	11.128					
T.P.	299.418					
+	0.719					
⊼	300.137					
−	11.391					
T.P.	288.746					
+	3.984					
⊼	292.730					
−	0.259					
T.P.	292.471					
+	9.767					
⊼	302.238					
−	1.164					
T.P.	301.074					

NOTES RED. _____ JOB NO. 0301.02 SURVEY OF L.A. Co. PRECISE LEVEL NET (PORTUGUESE BEND)
DATE _____ SURVEY BY G.E. DREIER
NOTES CHKD. _____ NOTES BY G.E. DREIER DATE 11-28-56
DATE _____ INDEXED A. C. Johnson DATE _____

F.B. 2254 PG. 47

F. B. 2254 Pg. 48

JOB NO. 0301.02 SURVEY OF (PORTUGUESE BEND) L.A.Co. PRECISE LEVEL NET NOTES RED.

SURVEY BY G.E. DREIER DATE

NOTES BY G.E. DREIER DATE 11-28-56 NOTES CHKD.

INDEXED A. C. Johnson DATE DATE

768420 S & E-383 4-54

PLEASE RETURN TO
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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	301.074					CONT.
+	8.932					
⊼	310.006					
−	4.454					
BLAKESLEY	305.552					
+	4.491					
⊼	310.043					
−	8.968					
T.P.	301.075					
+	0.251					
⊼	301.326					
−	11.768					
T.P.	289.558					
+	0.551					
⊼	290.109					
−	11.610					
T.P.	278.499					
+	0.381					
⊼	278.880					
−	11.597					
T.P.	267.283					
+	0.522					
⊼	267.805					
−	11.396					
T.P.	256.409					
+	2.054					
⊼	258.463					
−	6.798					
T.P.	251.665					

76S420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	251.665					CONT.
+	0.661					
⊼	252.326					
−	11.089					
STA. J-1A	241.237					
+	1.927					
⊼	243.164					
−	6.318					
T.P.	236.846					
+	0.515					
⊼	237.361					
−	9.458					
T.P.	227.903					
+	0.467					
⊼	228.370					
−	11.626					
R.D.B.M. P.I. #17	216.744					
+	1.244					
⊼	217.988					
−	7.686					
T.P.	210.302					
+	0.871					
⊼	211.173					
−	11.905					
T.P.	199.268					
+	4.499					
⊼	203.767					
−	6.308					
T.P.	197.459					

NOTES RED _____ JOB NO. 0301.02 SURVEY OF L.A. CO. PRECISE LEVEL NET (PORTUGUESE BEND)
DATE _____ SURVEY BY G.E. DREIER
NOTES CHKD. _____ NOTES BY G.E. DREIER DATE 11-28-56
DATE _____ INDEXED ~~A.~~ C. Johnson DATE _____

F.B. 2254 PG. 49

768420 S & E-353 4-54

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(PORTUGUESE BEND)

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

SURVEY BY G.E. DREIER

NOTES BY G.E. DREIER DATE 11-28-15 NOTES CHKD. DATE

INDEXED C. Johnson DATE

F.B. 2254 PG. 50

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	197.459					CONT.
+	4.379					
⊼	201.838					
−	6.613					
T.P.	195.225					
+	4.098					
⊼	199.323					
−	5.135					
B.M. 34-17A	194.188		O.K.			B.M. 34-17A ELEV. 194.188
						PALOS VERDES DR. S. & PEPPERTREE DR.
						SEE F.B. 1355-44 FOR DESC.

76298 S & E #307—7-55

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
STA. A-4	11 088	333 274		322 186	CONTINUED FROM BOTTOM OF PAGE 37	
T.P.	6 519	336 442	3 351	329 923		
T.P.	11 300	347 323	0 419	336 023		
T.P.	11 519	358 665	0 177	347 146		
T.P.	7 227	365 046	0 846	357 819		
STA. F-2	11 523	373 653	2 916	362 130		
T.P.	11 796	385 111	0 338	373 315		
T.P.	11 968	396 875	0 204	384 907		
T.P.	11 503	408 062	0 316	396 559		
STA. A-5	11 436	409 063	10 435	397 627		
T.P.	11 316	420 061	0 318	408 745		
T.P.	11 821	431 663	0 219	419 842		
T.P.	11 527	442 942	0 248	431 415		
T.P.	11 728	454 443	0 227	442 715		
T.P.	10 398	457 613	7 228	447 215		
STA. F-1	5 117	455 378	7 352	450 261		
T.P.	1 716	447 001	10 093	445 285		
T.B.M. #20	9 686	447 010	9 677	437 324		
T.B.M. #19	9 738	446 996	9 752	437 258		
T.P.	10 768	456 053	1 711	445 285		
T.P.			11 559	444 494		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F.B. 2254 PG. 51
X-Sec. No. ____ Date ____ Date ____ Survey of L.A.Co. PRECISE LEVEL NET (PORT. BEND)
Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 11-29-56
Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

F. B. 2254 Pg. 52 | Job No. 020102 Division No. 10 | Notes Red. | Plotted. | Profile

Survey of L.A.Co. PRECISE LEVEL NET (PORT. BEND) | Date 11-29-56 | Date | No.

Survey by G.E.DREIER | Notes G.E.DREIER | Notes Chkd. | Checked | X-Sec.

Indexed K. C. Johnson | Date | Date | Date | No.

STATION	B. S.	H. I.	F. S.	ELEV.
T.P. STA. E-1	1.923	446.917	11.102	444.494
CONT. STA. E-1				435.315
ELEV. PER PAGE 42 = 435.325. OK				

76298 S & E #307—7-55

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76S420 S & E-353 4-54

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Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
STA. B-1C	442.323					STA. B1C
+	11.851		11.698			SEE PAGE 49
⊼	454.174	+8.978	+8.980			
−	2.873		2.718			
T.P.	451.30 x2					
+	11.922		11.833			
⊼	463.223	+11.003	+11.002			
−	0.919		0.831			
T.P.	464.142					
+	10.820		10.742			
⊼	474.962	+8.173	+8.171			
−	2.647		2.571			
STA. B-1D	~~472.315~~ 470.476					STA. B-1D (FIRST ELEV. ON THIS POINT)
			B.M. 34-17A TO B.M. 34-18			
B.M. 34-17A	194.188				194.188	B.M. 34-17A ELEV. 194.188
+	5.048		4.987	4.977		PALOS VERDES DR. & PEPPERTREE DR.
⊼	199.236	+0.337	+0.329	+0.340	+0.338	SEE F.B. 1355-44
−	4.711		4.658	4.637		
T.P.	194.525				194.586	
+	5.967		6.005	5.988		
⊼	200.492	+0.964	+0.946	+0.945	+0.946	
−	5.003		5.059	5.043		
T.P.	195.489				195.452	
+	4.428		4.459	4.499		
⊼	199.917	-3.963	-3.958	-3.963	-3.963	
−	8.391		8.417	8.452		
T.P.	191.526				191.489	

NOTES RED. _____ JOB NO. 0301.02 SURVEY OF L.A. Co. PRECISE LEVEL NET (PORTUGUESE BEND)
DATE _____ SURVEY BY G.E. DREIER
NOTES CHKD. _____ NOTES BY G.E. DREIER DATE 11-30-56
DATE _____ INDEXED A. O. Johnson DATE 12-4-56

F.B. 2254 PG. 52

765420 S & E-353 4-54

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(PORTUGUESE BEND)
JOB NO 030102 SURVEY OF L.A.Co. PRECISE LEVEL NET
SURVEY BY G.E. DREIER
NOTES BY G.E. DREIER DATE 11-30-56
INDEXED C. JOHNSON DATE
NOTES RED. DATE
NOTES CHKD. DATE
F.B. 2254 PG. 54

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
T.P.	191.526				191.~~489~~ 514	CONT.
+	1.118		1.192	1.232		
⊼	192.644	-10.305	-10.297	-10.306	-10.305	
−	11.423		11.483	11.538		
T.P.	181.221				181.~~184~~ 209	
+	0.271		0.319			
⊼	181.492	-10.961	10.960		-10.961	
−	11.232		11.279			
T.P.	170.260				170.~~233~~ 248	
+	1.270		1.268	1.335		
⊼	171.530	-4.665	-4.659	-4.666	-4.665	
−	5.935		5.927	6.001		
Rd. DEPT. B.M. "A"	165.595				165.~~558~~ 583	RD. DEPT. B.M. "A" ELEV. 165.61, L.B. 125-184 PALOS VERDES DR. & NARCISISS DR. N.E. COR. L. & B.M. NAIL IN SE. COR 1ST STEP. OF ENTRANCE
+	6.324		6.299			
⊼	171.919	+3.084	+3.083		+3.083	
−	3.240		3.216			
B.M. 34-18	168.679				168.~~641~~ 66	B.M. 34-18 ELEV. 168.680 PALOS VERDES DR. S. & NARCISSIS DR. SEE F.B. 1355-

O.K

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	RED PROFILE
B.M. 50-13	3 61	211 48		207 87	B.M. 50-13 ELEV. 207.868 PALOS VERDES DR. S. & CRENSHAW BLVD.
T. P.	3 71	208 92	6 27	205 21	
T.B.M. #15	3 13	205 04	7 01	201 91	
0+00			5 70	199 34	SPLIT OF CURB. (STAKE BROKEN)
0+03			5 67	199 37	TOP CURB
0+40			6 85	198 19	N. EDGE ROAD WAY
T.P.	11 37	216 23	0 18	204 86	
0+56			8 95	207 28	TOP CUT BANK
0+77			4 03	212 20	TOP BRK
1+00			2 08	214 15	
1+50			2 77	213 46	
2+00			7 39	208 84	
2+50			11 27	204 96	
3+01			14 43	201 80	
3+50			16 50	199 73	
3+75 4 T.P.	16 35	215 24	17 34	198 89	INTER "J" LINE
4+00			17 20	198 04	
4+50			16 66	198 58	
5+00			14 83	200 41	
5+50			12 88	202 36	
6+00			9 87	205 37	

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 030102 Division No. ____ F. B. 2254 Pg. 55
X-Sec. No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND)
Notes Chkd. ____ Checked ____ Survey by G. E. DREIER Notes G. E. D. Date 12-3-56
Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76298 S & E #307—7-55

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F. B. 2254 Pg. 56 | Job No. 6301.02 | Division No. 10 | Notes Red. | Plotted | Profile No.
Survey of L.A.Co. PRECISE LEVEL NET (PART. BENCH) | Date 12-3-56 | Date | X-Sec. No.
Survey by G.E. DREIER | Notes G.E. DREIER | Notes Chkd. | Checked
Indexed C. Johnson | Date | Date | Date

STATION	B. S.	H. I.	F. S.	ELEV.	RED PROFILE N.	
		215 24				
6+50			446	210 78		
7+00			312	212 12		
T. P.	1758	232 13	069	214 55		
7+50			1660	215 53		
8+00			1454	21 959		
8+50			1221	21992		
9+00			955	22258		
9+50			214	229 99		
T. P.	1794	249 67	040	231 73		
10+00			1521	234 46		
10+50			905	240 62	BOT BRK	
T. P.	1753	266 87	033	249 34		
11+00			237	264 50		
T. P.	1777	284 45	019	266 68		
11+36			1277	271 68	TOP BRK	
11+50			1106	273 39		
11+76			1035	274 10	TOP CUT BANK	S. SIDE CRENSHAW BLVD
11+80			1260	271 85	BOT " " "	" "
12+00			1049	274 96		
12+46			507	278 38	BOT CUT BANK	N. SIDE CRENSHAW
12+50			234	282 11	TOP. CUT BANK	" " "

76298 S & E #307—7-55

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	RED PROFILE N.	
T.P.	17 58	284 45 301 16	0 87	283 58		
12+73			14 64	286 52	BOT. SLOPE	
T.P.	17 29	318 31	0 14	301 02		
13+00			13 86	304 45		
T.P.	17 91	335 92	0 30	318 01		
T.P.	17 23	353 43	0 22	335 70		
13+50			13 15	340 28		
13+63			4 52	348 91	TOP SLOPE	
14 +00	5.23	356 17	2 49	350 94		
14 + 50			4 76	351 41		
15+00	14 27	366 98	3 46	352 71		
15 + 50			12 10	354 88		
16 + 00			12 01	35~~8~~4 97		
16+50			10 8	35 52	5 FT. W. OF LINE BESIDE SHED	
17+00			11 69	355 29		
17+50			12 27	354 71		
17+62			11 80	355 18	BOT. OF FILL	
T.P.	17 45	383 96	0 47	366 51		
T.P.	17 58	401 10	0 44	383 52		
T.P.	10 91	410 69	1 32	399 78		
18 + 35			6 41	404 28	TOP OF FILL	

Profile No. ____ Notes Red. ____ Plotted ____ Job No. P 301.02 Division No. 10 F. B. 2254 Pg. 57
Date ____ Date ____ Survey of L.A.Co. PRECISE LEVEL NET
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 12-3-56
Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	"RED" LINE N.	
		410 69				
18+50			3 01	407 68		
19+00			8 27	402 42		
19+50					OUT	
20+00			12 05	398 64		
20+50			13 20	397 49		
21+00			13 55	397 14		
21+50			11 68	399 01	BOTTOM BRK.	
T.P.	18 01	427 12	1 58	409 1~~X~~ 4		
22+00			4 36	422 76		
T.P.	18 05	445 12	0 05	427 ~~09~~ 11		
22+27			11 07	434 05	TOP SLOPE	
22+47			9 43	435 69	BOT. BRK	
22+50			8 38	436 74	TOP "	
STA. E-1	16 92	452 33	9 71	435 4~~1~~	435.32	O.K
23+00 T.P.	17 58	466 01	3 90	448 4~~3~~ 7		
23+50			7 48	458 53		
24+00 T.P.	10 93	475 42	1 52	464 ~~49~~ 54		
24+50			8 43	466 99		
25+00			6 94	468 58	END OF "RED" LINE	
T.P.	17 84	493 04	0 22	475 2~~5~~ 5		
T.P.	17 76	510 71	0 09	49~~2 95~~ 2 95		

F. B. 2254 Pg. 58 Job No. 0301.02 Division No. Notes Red. Plotted No. Profile
Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND) Date 12-3-56 Date X-Sec.
Survey by G.E. DREIER Notes G.E. DREIER Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

76298 S & E #307—7-55

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	"GREEN" LINE N.
		510 71			
T.P.	17 23	527 92	002	510 69	
T.P.	12 25	537 21	296	524 96	O.K.
T.B.M. #14	6 70	538 72	513	532 08	T.B.M. #14 ELEV. 532.02 F.B. 2400-17 CRENSHAW BLVD. ± 1 MI. N. OF PALOS VERDES DR. S. P.K. SPK IN TOP OF S. HEADWALL
T.P.	0 48	521 96	1724	521 48	
29+00			1349	508 47	N. END OF "GREEN" LINE
T.P.	0 16	507 38	1475	507 23	
28+50			11 94	495 43	
T.P.	0 70	491 52	1656	490 82	
28+00			761	483 92	
27+50 T.P	0 09	474 80	1680	474 73	
27+12			867	466 13	BRK
27+00			1305	461 75	
26+90 T.P	0 92	457 83	1789	456 93	
26+57			654	451 29	N. EDGE FAULT
26+46			825	448 58	S. " "
26+00			798	449 85	
T.P.	2 99	452 44	841	449 45	
25+50			584	446 57	
25+09			1241	440 08	TOP BRK
25+03			1595	436 46	BOT BRK
25+00			1633	436 08	

Profile Notes Red ____ Plotted ____ Job No. 8301.02 Division No. ____ F. B. 2254 Pg. 59
No. ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET
X-Sec. Notes Chkd. ____ Checked ____ Survey by STE. DREER Notes G.E.D. Date 12-3-56
No. ____ Date ____ Date ____ Map No. ____ Inked Johnson Date ____

76298 S & E #307—7-55

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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	B. S.	H. I.	F. S.	ELEV.	GREEN PROFILE N. OF
T.P. 24+95	0 48	452 4 4 436 10	16 82	435 62	TOP BRK.
24+85			4 61	431 49	TOP BRK
24+79			5 49	430 61	
24+69			12 10	42 4 00	TOP CUT BANK
24+56			11 90	424 20	BOT " "
24+50	0 41	42 0 80	15 72	42 0 9	TOP SLOPE
24+25 T.P.	0 37	40 5 74	15 43	40 5 37	(NEW STAKE, OLD OUT) BOT OF FILL
24+00			11 56	39 4 18	N. EDGE OF FAULT
23+67			15 84	39 89 90	
23+50			16 27	39 89 47	
23+14 T.P.	0 73	39 89 24	17 23	38 8 51	TOP FILL
23+10			3 31	38 5 93	TOE FILL
23+00			3 54	38 5 70	
22+50			4 39	38 4 85	
22+00			5 36	38 3 84	
21+73			5 58	38 3 66	TOP FILL SLOPE
T.P.	0 66	37 2 68	17 23	37 2 02	
21+35			12 25	36 0 43	BOT FILL SLOPE
21+00			15 97	35 6 71	± 5 FT S. ℄ CRENSHAW BLVD.
20+71			18 82	35 3 86	
20+67 T.P.	4 29	36 0 33	16 64	35 5 09	6.47

F. B. 2254 Pg. 60

Job No. 030102 Division No. Notes Red. Plotted Profile

Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND) Date 12-3-56 Date No.

Survey by G.E. DREIER Notes G.E.D. Notes Chkd. Checked X-Sec.

Indexed C. Johnson Date Date No.

76298 S & E #307—7-55

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	"GREEN" PROFILE N.
		36 0 33		8	
20+59			4 35	35 5 93	
20+48			11 18	35 49 5	
B.M. 50-12			12 06	34 8 7	
20+00			11 71	34 8 62	
19+50			11 77	34 8 6	
19+00			12 11	34 8 22	
18+50			12 20	34 8 13	
18+00			11 86	34 8 47	
17+50			9 79	35 0 54	
17+00			6 80	35 3 53	
16+50			5 91	35 4 42	
16+20.5			6 56	35 3 77	TOP BRK
16+00			9 14	35 1 19	
T.P.	0 19	34 2 93	17 60	34 2 74	
15+50			3 12	34 39 81	
15+00			13 09	34 29 84	
T.P.	1 03	32 6 42	17 54	32 5 39	
14+50			3 46	32 2 6	
14+00			8 47	31 7 95	
13+50			9 59	31 6 83	
13+07			6 76	31 19 6	TOP FILL

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F. B. 2254 Pg. 61
No. ____ Date ____ Date ____ Survey of L.A.Co. PRECISE LEVEL NET (PORT. BEND)
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 12-3-56
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76298 S & E #307—7-55

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

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	"GREEN" LINE N.
T.P.	059	32~~7~~6 ~~36~~ 42	1625	31~~1~~0 1~~1~~7	
T.P.	058	31~~1~~0 7~~0~~6	1728	29~~4~~3 4~~8~~9	
12+50			780	28~~7~~6 2~~0~~6	TOE FILL SLOPE
12+00 T.P.	895	28~~5~~4 ~~99~~ 06	1796	27~~7~~6 ~~04~~ 11	
11+50			1306	27~~2~~2 ~~93~~ 00	
11+38			1312	27~~2~~1 ~~87~~ 94	
11+00			859	27~~7~~6 4~~0~~7	
10+50			097	28~~5~~4 0~~8~~9	
10+38.5			046	28~~5~~4 ~~53~~ 60	TOP BRK
10+00			645	27~~9~~8 ~~54~~ 61	
9+50			1200	27~~3~~32 ~~99~~ 06	
T.P.	046	26~~8~~7 ~~68~~ 76	1777	26~~8~~7 ~~22~~ 30	
9+00			484	26~~3~~2 ~~82~~ 92	
8+50 T.P.	085	25~~2~~1 3~~1~~9	1722	25~~1~~0 ~~46~~ 54	BOT BRK
8+00			247	24~~9~~8 ~~84~~ 92	
7+50			1246	23~~9~~8 ~~85~~ 93	
T.P.	039	23~~5~~4 ~~26~~ 34	1744	23~~4~~3 ~~87~~ 95	
7+00			489	23~~0~~29 ~~37~~ 45	
6+50			989	22~~3~~4 ~~37~~ 45	
6+00 T.P.	051	21~~8~~7 ~~72~~ 81	1705	21~~8~~7 ~~21~~ 30	
5+50			909	20~~9~~8 ~~65~~ 72	

F. B. 2254 Pg. 62

Job No. 0301.02 Division No. Notes Red. Plotted Profile No.

Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND) Date 12-3-56 Date X-Sec.

Survey by G.E. DREIER Notes G.E.D. Notes Chkd. Checked

Indexed ~~A.~~ C. Johnson Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	GREEN LINE N.	
		217 81				
5+00			1209	205 72		
4+50			1260	205 21		
4+07			876	208 05	INTER. J. LINE	
4+00			859	209 22		
3+50	588	220 32	337	214 44		
3+00			153	218 79		
2+50			143	218 89		
STA. RADIAL 2			1400	206 32		
2+00			1290	207 42		
1+81	269	206 46	1656	203 77	TOP CUT BANK	
1+68			1572	190 74	BOT CUT BANK	N. SIDE PALOS VERDES DR S.
1+33			1461	191 85	TOP N. CURB	
1+30			1465	191 81	SPLIT CURBS	
1+27.8			1475	191 71	TOP S. CURB	
0+86			1671	189 75	BOT CUT BANK	S. EDGE ROAD WAY NEW STAKE
0+84			1425	192 21	TOP " "	" " "
0+50 T.P.	767	196 22	1791	188 55		
0+15			1120	185 02	BRK	
0+00			1603	180 19	BAD	
T.P.	931	201 59	395	192 28		
T.P.	734	206 29	253	198 95		
		40		9.06		

Profile Notes Red ____ Plotted ____ Job No. 0301.02 Division No. ____ F.B. 2254 Pg. 63
No. ____ Date ____ Date ____ Survey of L.A. CO. PRECISE LEVEL NET (PORT. BEND)
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 12-3-56
No. ____ Date ____ Date ____ Map No. ____ Sheet Johnson Date ____

F. B. 2254 Pg. 64

Job No. 0301.02 Division No. _____ Notes Red. _____ Plotted _____ Profile

Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND) Date 12-3-56 Date _____ No. _____

Survey by G. E. DREIER Notes G.E.D. Notes Chkd. _____ Checked _____ X-Sec.

Indexed X C. Johnson Date _____ Date _____ Date _____ No. _____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
T.P. B.M. 50-13	6.36	20 ~~8~~ ~~29~~ 21 ~~X~~ 44	1.21 3.70	20 ~~8~~ 5 ~~08~~ 19 20 ~~X~~ 7 ~~74~~ 87	B.M. 50-13 ELEV. 207.868 F.B. 2400-22 PALOS VERDES DR. S. EAST OF CRENSHAW BLVD.	

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	GREEN PROFILE S.
B.M. 50-13	3 664	211 532		207 868	B.M. 50-13 ELEV. 207.868 F.B. 2400-22. PALOS
T.P.	3 688	208 873	6 327	205 205	
T.B.M. # 15	4 563	206 458	6 998	201 895	
T.P.	2 859	202 185	7 132	199 326	
T.P.	1 074	193 347	9 912	192 273	
0+00 N&S.			13 15	180 20	0+00 NORTH AND SOUTH
T.P.	0 350	176 439	17 258	176 089	
0+50 S			12 58	163 86	BOT BRK
T.P.	0 448	159 212	17 675	158 764	
1+00 S			3 08	156 13	
1+50 S			12 70	146 51	
T.P.	0 407	141 644	17 975	141 237	
2+00 S			9 37	132 27	
2+34 S. T.P.	0 911	125 597	16 958	124 686	BOT
2+50 S.			2 30	123 30	
2+58 S.			5 06	120 54	TOP BRK, N. EDGE ERRODED GULLY
3+13 S.			9 29	116 31	" " S. " " "
3+50 S			14 04	111 56	
T.P.	0 582	108 301	17 878	107 719	
4+00 S			2 77	105 53	
4+50 S. T.P.	0 466	90 727	18 040	90 261	

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. ____ F.B. 2254 Pg. 65
Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND)
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 12-4-56
Date ____ Date ____ Map No. ____ Indexed Johnson Date 12-6-56

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		90 727				
4+67 S.			5 93	84 80	TOP. BRK	
4+72 S.			9 06	81 67	Bot "	
4+83 S			8 74	81 99	TOP "	TOP CUT BANK
T.P.	0 973	74 471	17 229	73 498		
5+04 S.			9 72	64 75		
5+11 S			10 42	64 05		
5+22 S.			10 72	63 75		
5+40 S.			11 92	62 55	BOT OF ROCK WALL EDGE PAV.	
5+41 S			10 33	64 14	TOP "	
5+50			9 78	64 69		
T.P.	6 935	67 184	14 222	60 249		
5+85 S			0 90	66 28		
6+04			8 80	58 38	TOP ROCK WALL	
6+04			10 03	57 15	PAV. AT BASE OF WALL	
6+18			10 77	56 41	CENTER PAV.	
6+30			11 82	55 36	S. EDGE PAV.	
T.B.M. #28	9 719	71 193	5 710	61 474		
T.P.	11 887	82 062	1 018	70 175		
T.P.	8 616	90 379	0 299	81 763		
STA. K-4			2 772	87 607		

CONT. ON NEXT PAGE

F. B. 2254 Pg. 66 Job No. 0301.02 Division No. Notes Red. Plotted Profile
Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND) Date Date No. X-Sec.
Survey by G.E. DREIER Notes G.E.D. Notes Chkd. Checked
Indexed C. Johnson Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
T.B.M. #28	2 419	63 893		61 474	CONT. FROM PAGE 66	
T.P.	0 929	55 584	9 238	54 655		
T.P.	2 741	46 577	11 748	43 836		
STA. K-3	2 835	42 000	7 412	39 165		
T.B.M. #27	3 980	38 826	7 154	34 846		
STA. K-2	0 831	33 888	5 769	33 057		
T.P.	2536	24 752	11 672	22 216		
T.P.	4 511	23 338	5 925	18 827		
T.B.M. #26	4 589	21 859	6 068	17 270		
T.P.	3 562	19 543	5 878	15 981		
T.P.	1 252	17 562	3 233	16 310		
B.M. P.B #1			10 044	7 518		

NOTE:
POOR CLOSURE. SHOULD BE O.K. FOR PROFILE PORTION. WILL RERUN B.M. & T.B.M. PORTION STARTING ON NEXT PAGE AND NEXT DAY

Profile Notes Red. ____ Plotted ____ Job No. 230102 Division No. ____ F. B. 2254 Pg. 67
No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVELNET (PORT. BEND)
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 12-4-56
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
B.M. 50-13	3 964	211 832		207 868	B.M. 50-13 ELEV. 207.868 PALOS VERDES DR. S. & CRENSHAW BLVD. SEE FT.B. 2400-22 FOR DESC.	
T.P.	0 476	202 453	9 855	201 977		
T.P.	0 235	192 420	10 258	192 195		
T.P.	0 641	181 393	11 668	180 752	NOTE	
T.P.	0 423	170 204	11 [illegible]	169 781	THIS RUN MADE WITH BERGER	
T.P.	0 215	158 [illegible]	11 [illegible]	158 [illegible]	LEVEL NO. 50010 AND HAS EXCELLENT	
T.P.	0 489	148 027	10 254	147 538	CLOSURE. WOULD MAKE A GOOD RUN	
STA. K-5	5982	142 016	11 993	136 034	FOR ELEV. COMPARISON OF RUN	
T.P.	0 [illegible]	133 482	9 221	132 735	MADE ON 11-19-56 WITH	
T.P.	0 393	122 916	10 959	122 523	SAME INSTRUMENT	
T.P.	0 391	111 575	11 732	111 184		
T.P.	2 073	101 764	11 884	99 691		
T.P.	3 762	95 187	10 339	91 425		
STA K-4	2 778	90 423	7 542	87 645		
T.P.	0 888	82 692	8 619	81 804		
T.P.	0 811	71 923	11 580	71 112		
T.B.M. #28	2 412	63 924	10 411	61 512		
T.P.	0 443	55 136	9 231	54 693		
T.P.	3 086	46 943	11 279	43 857		
STA K-3	2 917	42 103	7 757	39 186		
T.B.M. #27	4 247	39 132	7 218	34 885		

Profile
X-Sec.
No.
No.

F. B. 22 54 Pg. 68 | Job No. 0 30102 Division No. Notes Red. Plotted
Survey of K. 4. Cr. PRECISE LEVEL NET PART. BEND. Date 12-5-56 Date
Survey by G. E. DREIER Notes G.E.D. Notes Chkd. Checked
Indexed E. C. Johnson Date Date Date

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		39 132				
Sta K-2	1 151	34 240	6 043	33 089		
T.P.	2 292	24 550	11 982	22 258		
T.P.	4 678	23 549	5 679	18 871		
T.B.M. #26	4 444	21 753	6 240	17 309		
T.P.	4 117	20 140	5 730	16 023		
T.P.	2 009	18 366	3 783	16 357		
B.M. P.B. #1			10 803	7 563		
T.B.M. #28	3 822	65 334		61 512	CONT. FROM P.68	
T.P.	11 987	73 723	3 598	61 736		
T.P.	10 242	82 370	1 595	72 128		
T.P.	11 628	93 031	0 967	81 403		
T.P.	10 528	103 291	0 268	92 763		
T.P.	11 897	114 675	0 513	102 778		
T.P.	9 995	124 052	0 621	114 054		
T.B.M. #25	8 865	131 518	1 399	122 653		
T.P.	11 957	142 905	0 570	130 948		
T.P.	11 430	152 182	2 153	140 752		
T.P.	10 862	162 313	0 731	151 451		
T.P.	11 826	173 846	0 293	162 020		

Profile Notes Red. ____ Plotted ____ Job No. 30/02 Division No. ____ F. B. 2254 Pg. 69
No. ____ Date ____ Date ____ Survey of L.A. CO. PRECISE LEVEL NET PORT. BEND
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes J. MOORE Date 12-5-56
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

76298 S & E #307—7-55

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F. B. 2254 Pg. 70 | Job No. 30102 Division No. | Notes Red. | Plotted | Profile No.
Survey of L.A. Co. PRECISE LEVEL NET Part BENO Date 12-5-56 | Date | X-Sec. No.
Survey by G. E. PREIER Notes J. Kaapa | Notes Chkd. | Checked
Indexed K. C. Johnson Date | Date | Date

STATION	B. S.	H. I.	F. S.	ELEV.		
		173 846				
T.P.	11 733	185113	0466	173380		
T.P.	11523	195903	0733	184380		
T.P.	11555	207278	0180	195723		
T.P.	9154	215040	1392	205886		
STA. K-1	1125	214778	1387	213653		
T.P.	1653	207539	8892	205886		
T.P.	2355	198077	11817	195722		
B.M. 34-17A	5689	199860	3906	194171	B.M. 34-17A ELEV. 194.188 PALOS VERDES DR. S. & PEPPERTREE DR. SEE F.B. 1355-44 FOR DESC.	
T.P.	5523	201486	3897	195963		
T.P.	6131	203478	4139	197347		
T.P.	6019	205199	4298	199180		
T.P.	5888	205760	5327	199872		
B.M. D	8150	205998	7912	197848		
T.P.	11902	216137	1763	204235		
STA. J-1	9097	224354	0880	215257		
T.P.	11493	233265	2582	221772	226295 ±20FT + 0.310. ±220FT. 225605	±20FT + 4325 ±220FT. − 4008 DIFF +0.317. ±220FT. + 4543 ±20FT. − 4239 DIFF +0.304.
STA. J-3			7970	225295		
STA. J-4	1000	226605	—	225605		
T.P.	1328	217545	10388	216217		
T.P.	5146	211469	11222	206323		
T.P.	2236	206202	7503	203966		

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		206 202				
Sta J-5	11954	216797	1359	204843		
T.B.M. #24	9487	224990	1294	215503		
T.P.	11322	235633	0679	224311		
Sta. G-2			0832	234801		
T.B.M. #24	0824	216327		215503		
T.P.	3068	209259	10136	206191		
T.B. M. #15	7112	209009	7362	201897		
T.P.	6421	211633	3797	205212		
BM50-13			3762	207871	B.M. 50-13 ELEV. 207868 PALOS VERDES DR. S. & CRENSHAW BLVD. SEE F.B. 2400-22 FOR DESC.	

O.K. JM

Profile Notes Red. ____ Plotted ____ Job No. 230402 Division No. ____ F. B. 2254 Pg. 71
No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET (PORT BEND)
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes J. MURPHY Date 12-5-56
No. ____ Date ____ Date ____ Map No. ____ Indexed J. Johnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.		
STA. SHIELDS	4 359	314 680		310 321	STA SHIELDS FIELD ELEV 310.321 MEAN OF PREVIOUS RUNS	
T.P.	8 455	322 904	0 231	314 449		
STA. G-1	4 095	319 813	7 186	315 718		
T.P.	11 749	329 503	2 059	317 754		
STA. A-4	11 180	333 380	7 303	322 200		
T.P.	5 767	335 706	3.441	329 939		
STA. F-3	11 131	339 864	6973	328 733		
STA. A-3	8 766	337 926	10 704	329 160		
T.P.	8 353	344 779	1 500	336 426		
T.P.	11 564	355 227	1 116	343 663		
T.P.	11 792	366 629	0 390	354 837		
STA. RADIAL 1	1 821	366 751	1 699	364 930		
T.P.	0 264	355 757	11 258	355 493		
T.P.	0 201	344 440	11 518	344 239		
T.P.	0 291	333 956	10 775	333 665		
T.P.	3 158	325 938	11 176	322 780		
T.B.M. # 23	6 744	321 823	10 859	315 079		
T.P.	11 538	331 878	1 483	320 340		
T.P.	11 497	343 137	0 238	331 640		
STA A-2	4 513	344 422	3 228	339 909		
STA A-1	1 357	345 001	0 778	343 644		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 030402 Division No. 10 F. B. 2254 Pg. 73
Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND)
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 12-6-56
Date ____ Date ____ Map No. ____ Checked Johnson Date 12-19-56

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STATION	B. S.	H. I.	F. S.	ELEV.		
		345 001				
T.B.M #22	7746	351 504	1 243	343 758		
BM 50-12	4495	353 891	2 108	349 396		
T.P.	11 933	360 150	5 674	348 217		
T.P.	11 281	369 629	1 802	358 348		
T.P.	11 661	380 543	0 747	368 882		
T.P.	11 068	391 271	0 340	380 203		
T.P.	7 693	398 784	0 180	391 091		
STA D-2	8 779	403 132	4 431	394 353		
STA E-2	9 031	410 552	1 611	401 521		
T.B.M. #21	10 383	420 123	0 812	409 740		
T.P.	11 707	430 472	1 358	418 765	SO. RIM of MANHOLE	
T.P.	4 638	433 390	1 720	428 752		
LA. CO. ROAD B.M.	1 492	433 274	1 608	431 782	SPK IN POLE	
T.P.	10 453	439 206	4 521	428 753		
STA E-1	11 758	447 105	3 859	435 347		
T.P.	3 137	445 036	5 206	441 899		
STA D-1	3 905	441 213	7 728	437 308		
STA C-1	1 083	438 827	3 469	437 744		
T.P.	1 319	429 929	10 217	428 610		
T.P.	6 624	430 885	5 668	424 261		
STA. B-1	3 263	426 820	7 328	423 557		

F. B. 2254 Pg. 74

Job No. 30102 Division No. 10 Notes Red. Plotted Profile

Survey of LA CO. PRECISE LEVEL NET (PORT. BEND) Date 12-6-56 Date No. X-Sec.

Survey by G. E. DREIER Notes J. MOODY Notes Chkd. Checked

Indexed R. C. Johnson Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.		
		426 820				
T.P.	5402	426 782	5440	421380	CONT.	
STA B-1A	8509	426 479	8812	417970		
STA B-1B	9188	433 770	1897	424582		
T.P.	10553	443 380	0943	432827		
STA. B-1C	11947	454 275	1052	442328		
T.P.	11737	463 046	2966	451309		
T.P.	10978	473 283	0741	462305		
STA — B-1D	1536	472 012	2807	470476		
T.P.	0858	463 163	9707	462305		
T.P.	2681	453 991	11853	451310		
STA. B-1C	1623	443 955	11659	442332		
T.P.	0207	433 041	11121	432834		
T.P.	4369	427 349	10061	422980		
T.B.M. #29	7155	428 126	6378	420971	T.B.M. #29	S.W. COR. PEPPERTREE DR. & NACISISS DR. SPK. IN P.P. 833365E
T.P.	0596	419 290	9432	418694		
T.P.	0359	407 681	11968	407322		
T.P.	0543	396 650	11574	396107		
T.P.	0751	385 419	11982	384668		
T.P.	0598	374 610	11407	374012		
T.P.	1311	364 392	11529	363081		
T.P.	4910	357 843	11459	352933		

Profile Notes Red. ____ Plotted ____ Job No. 30102 Division No. 10 F. B. 2254 Pg. 73
No. ____ Date ____ Date ____ Survey of L.A. CO. PRECISE LEVEL NET (PART REWD)
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREWER Notes J. Mooney Date 12-6-54
No. ____ Date ____ Date ____ Map No. ____ Checked J. Johnson Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		357 343				
STA. H-1	0 685	354 160	4 368	353 475		
T.P.	0 562	342 810	11912	342 248		
STA. H-2	0 792	333 989	9613	333 197		
T.P.	2410	324 665	11 734	322 255		
STA. H-4	1 172	316 490	9 347	315 318		
T.P.	6 787	312 367	10910	305 580		
T.P.	0 214	301 476	11 105	301 262		
T.P.	4 736	294 655	11 557	289 919		
STA. I-3	8 887	296 643	6 899	287 756		
STA. I-2	11 869	303 305	5 207	291 436		
T.P.	10 895	313 788	0 412	302 893		
T.P.	7 538	320 631	0695	313 093		
STA. I-1	0904	320 509	1 026	319 605		
T.P.	0 579	310 759	10329	310 180		
T.P.	0 612	300 038	11 333	299 426		
T.P.	3 628	292 621	11 045	288 993		
T.P.	10042	302 484	0179	292 442		
T.P.	8205	309 316	1 373	301 111		
STA. BLAKESLEY	3 776	309 362	3 730	305 586		
T.P.	0 463	301 572	8253	301 109		
T.P.	0 209	289 792	11 989	289 583		

F. B. 2254 Pg. 76
Job No. 0301.02 Division No. Notes Red. Plotted Profile
Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND) Date 12-7-56 Date No.
Survey by G.E. DREIER Notes G.E.D. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		289 792				
T.P.	0 584	279 103	11 273	278 519		
T.P.	0 278	267 578	11 803	267 300		
T.P.	2 990	259 350	11 218	256 360		
T.P.	0 654	252 229	7 775	251 575		
STA. J-1A	0 322	241 503	11 048	241 181		
T.P.	0 958	237 766	4 695	236 808		
T.P.	0 768	228 648	9 886	227 880		
B.M. P.I. #17	2 155	218 895	11 908	216 740		
T.P.	0 788	211 069	8 614	210 281		
T.P.	3 742	202 956	11 855	199 214		
T.P.	4 205	201 579	5 582	197 374		
T.P.	4 391	200 035	5 935	195 644		
B.M. 34-17A			5 806	194 229	B.M. 34-17A ELEV. 194.188 PALOS VERDES DR. S. & PEPPERTREE DR. SEE F.B. 1255-44 FOR DESC.	

Profile Notes Red. _____ Plotted _____ Job No. 0301.02 Division No. _____ F. B. 2254 Pg. 77

No. _____ Date _____ Date _____ Survey of L.A.Co. PRECISE LEVEL NET (PORT. BEND)

X-Sec. Notes Chkd. _____ Checked _____ Survey by G.E. DREIER Notes G.E.D. Date 12-7-56

No. _____ Date _____ Date _____ Map No. _____ Checked Johnson Date _____

(PORTUGUESE BEND)

Notes Ck'd by	Survey of L.A. Co. PRECISE LEVEL NET
Map No.	JN 0501.02 Tape Std °F
Office Work	Surveyed by G.E. DREIER
Checked	Notes G.E.D. Date 12-12-56
Date	Indexed J. C. Johnson

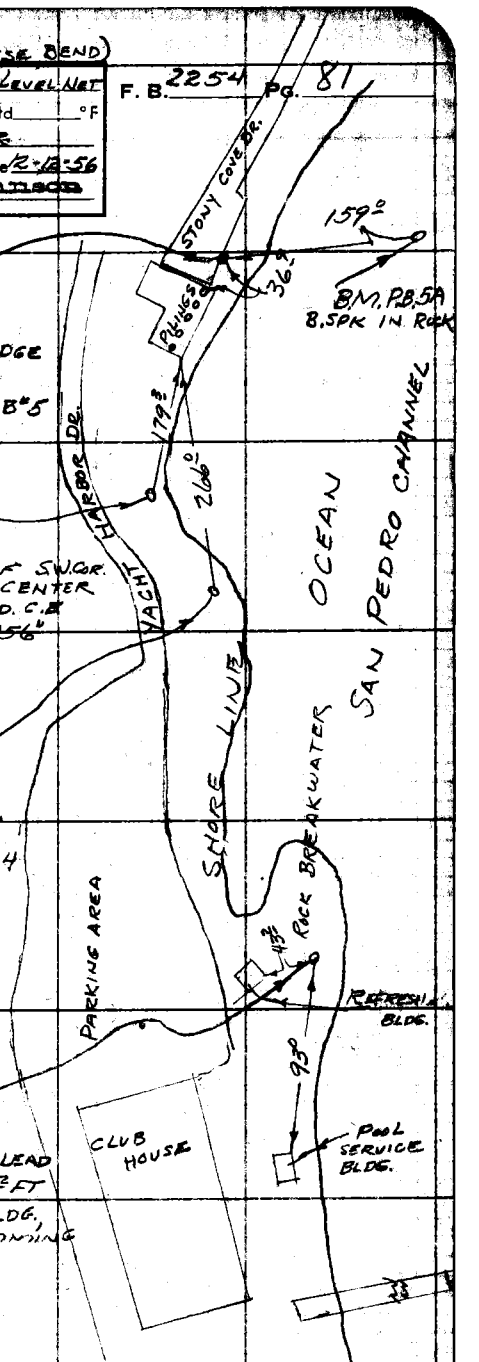
F. B. 2254 Pg. 81

B.M. PORTUGUESE BEND (P.B.-5)
AT W. END OF STONY COVE DR AT S. EDGE OF PAVEMENT, 36.9 FT E. OF, AND ON LINE WITH S'LY ROW OF PILINGS UNDER HOUSE, A STD. C.E. MON. STAMPED "B.M. P.B. 5 1956" FLUSH

B.M. PORTUGUESE BEND 4 (P.B.-4)
AT APPROX. HIGH TIDE LINE 179.2 FT. W. OF S.W. COR. OF HOUSE AT W. END OF STONY COVE DR, IN CENTER OF 3 FT. CIRCULAR CONC. COLLAR, A STD. C.E. PRECAST MON. STAMPED "B.M. P.B. 4 1956"

B.M. PORTUGUESE BEND 3 (P.B.-3)
AT APPROX HIGH TIDE LINE 266 FT. W. OF S.W. COR. OF HOUSE AT W END OF STONY COVE DR. FT. S.W. OF P.B. 4 ON A STONY POINT AND SURROUNDED BY A PILE OF ROCKS, A PRECAST C.E. MON. STAMPED "B.M. P.B. 3 1956"

B.M. PORTUGUESE BEND 2 (P.B.-2)
AT W'LY END OF ROCK BREAKWATER ON OCEAN SHOULDER, A BOAT SPK IN LEAD ON A ± 6 FT. GRAY-WHITE BOULDER, 4.3 FT S'LY FROM COR. OF A REFRESHMENT BLDG, AND 93 FT. S.E. FROM COR. OF SWIMMING POOL SERVICE BLDG.



B.M. P.B.1 — See F.B. 2246/31 for Desc.
" F.B. 2281/68 " Elev.

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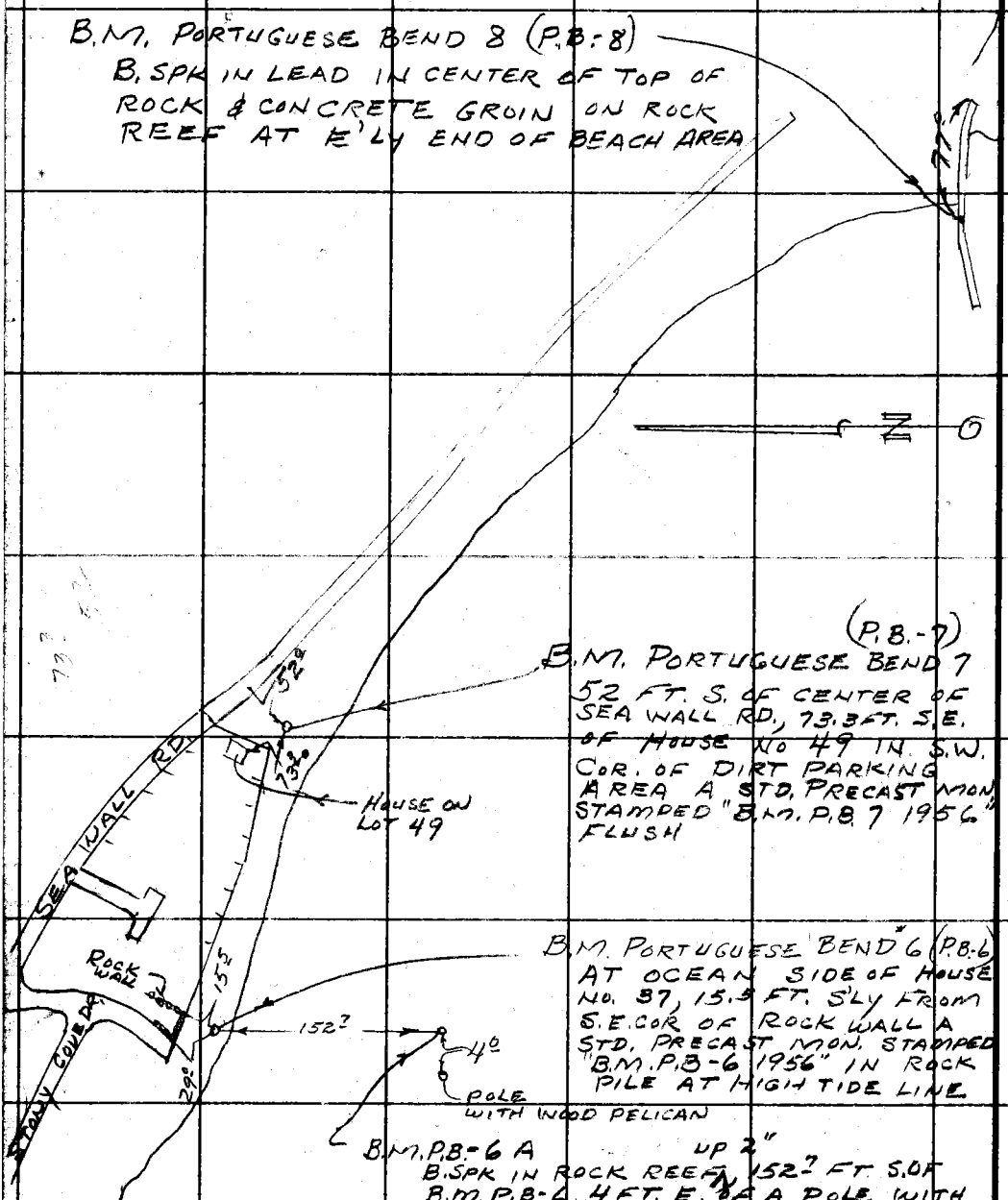
76F3098 S&E #247 1-56

F. B. 2254 PG. 82

B.M. PORTUGUESE BEND 8 (P.B.-8)
B. SPK IN LEAD IN CENTER OF TOP OF ROCK & CONCRETE GROIN ON ROCK REEF AT E'LY END OF BEACH AREA



(P.B.-7)
B.M. PORTUGUESE BEND 7
52 FT. S. OF CENTER OF SEA WALL RD., 73.3 FT. S.E. OF HOUSE NO 49 IN S.W. COR. OF DIRT PARKING AREA A STD. PRECAST MON. STAMPED "B.M. P.B. 7 1956" FLUSH

B.M. PORTUGUESE BEND 6 (P.B.-6)
AT OCEAN SIDE OF HOUSE NO. 37, 15.5 FT. S'LY FROM S.E. COR OF ROCK WALL A STD. PRECAST MON. STAMPED "B.M. P.B.-6 1956" IN ROCK PILE AT HIGH TIDE LINE

B.M. P.B.-6 A UP 2"
B. SPK IN ROCK REEF 152? FT. S. OF B.M. P.B.-6, 4 FT. E. OF A POLE WITH WOOD PELICAN ATOP

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STATION	B. S.	H. I.	F. S.	ELEV.	
STA. K-5	5157	141 197		136 040	STA K-5 FIELD ELEV. 136,040 MEAN OF PREVIOUS RUNS
T.P.	1062	133 805	8454	132 743	
T.P.	0294	122 824	11275	122 530	
T.P.	0429	111 625	11628	111 196	
T.P	1399	101 103	11921	99 704	
T.P.	3332	94 722	9713	91 390	
STA. K-4	2012	89 624	7110	87 612	
T.P.	0314	82 098	7840	81 784	
T.P.	0179	71 255	11022	71 076	
T.B.M. # 28	2139	63 647	9747	61 508	
T.P.	0778	52 729	11696	51 951	
T.P.	0625	41 539	11815	40 914	
T.P.	2319	32 590	11268	30 271	
T.P.	1088	30 290	3388	29 202	
T.P.	0366	19 043	11613	18 677	
B.M. P.B. # 7	4722	16 520	7245	11 798	
T.P.	2694	16 115	3099	13 421	
T.P.	0999	14 425	2689	13 426	
B.M. P.B # 8	6508	14 476	6457	7968	
T.P.	2595	16 020	1051	13 425	
T.P.	3463	16 882	2601	13 419	

Profile Notes Red. ____ Plotted ____ Job No. 030102 Division No. ____ F.B. 2254 Pg. 83
No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND)
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 12-11-56
No. ____ Date ____ Date ____ Map No. ____ Indexed John Johnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.	
		16 882			CONT.
B.M. P.B #7	1 444	13 250	5 076	11 806	
T.P.	2 544	8 154	7 640	5 610	
T.P.	6 496	10 125	4 525	3 629	
B.M. P.B. #6	0 346	6 589	3 882	6 243	
B.M. P.B.-6A	8 658	9 068	6 179	0 410	B.M. P.B. 6A
T.P.	6 228	12 698	2 598	6 470	
T.P.	6 148	11 333	7 513	5 185	
T.P.	1 568	7 925	4 976	6 357	B.M. P.B. 5A UP 2" LARGE B. SPK. IN ROCK REEF 159 FT. S. OF B.M. P.B. 5 (ACCESSABLE AT LOW TIDE)
B.M. P.B.-5A	10 523	11 329	7 119	0 806	
B.M. P.B #5	2 014	10 711	2 632	8 697	B.M. P.B. #5
B.M. P.B #4	6 354	9 857	7 208	3 503	
B.M. P.B #3	5 696	10 602	4 951	4 906	
T.P.	11 065	14 289	7 378	3 224	
B.M. P.B. #2	4 995	15 824	3 460	10 829	
T.P.	6 302	11 428	10 698	5 126	
T.P.	8 651	14 562	5 517	5 911	
B.M. P.B #1	10 241	17 845	6 958	7 604	
T.P.	3 262	19 655	1 452	16 393	
T.P	5 757	21 833	3 579	16 076	
T.B.M. #26	5 883	23 214	4 502	17 331	
T.P.	5 905	24 727	4 392	18 822	

F. B. 2254 PG. 84
Job No. 0301.02 Division No. Notes Red. Plotted Profile
Survey of L.A. Co. PRECISE LEVEL NET PORT. BEND Date 12-11-56 Date No.
Survey by Notes Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.		
		24 727				
T.P.	11 637	33 927	2 437	22 290		
STA K-2	5665	38 724	0868	33059		
T.B.M. 27	7220	42 139	3805	34 919		
STA. K-3	11 339	50 404	3074	39 065		
T.P.	8 413	58 453	0 364	50 040		
T.P.	9535	64 214	3 774	54 679		
T.B.M. 28	3 222	64 754	2 682	61532	T.B.M. #28	ELEV. THIS DATE, A.M., PER PAGE 83 61.508
T.P.	11 893	73 653	2 994	61 760		
T.P.	9779	81 938	1494	72 159		
T.P.	11 802	93 122	0 618	81 320		
T.P.	10 678	103 432	0 368	92 754		
T.P	11 838	114 616	0 654	102 778		
T.P.	9903	124 007	0 512	114 104		
T.B.M. #25	9064	131 763	1 308	122 699		
T.P.	11 956	142 943	0 776	130 987		
T.P.	11 419	152 130	2232	140 711		
T.P.	11 048	162 499	0 679	151 451		
T.P.	11 982	174 024	0 457	162 042		
T.P.	11 613	185 011	0 626	173 398		
T.P.	11 596	195 995	0 612	184 399		
T.P.	11 532	207 272	0 255	195 740		

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. ____ F.B. 2254 Pg. 85
No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND)
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 12-11-56
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

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STATION	B. S.	H. I.	F. S.	ELEV.		
		207 272				
T.P.	8698	214 603	1 367	205905		
STA. K-1	0930	214603	0 930	213 673		
T.P.	1468	207 372	8699	205904		
T.P.	2 694	198 435	11 631	195741		
B.M. 34-17A	5 557	199756	4 236	194199	B.M. 34-17A ELEV. 194.188 PALOS VERDES DR. S. & PEPPERTREE DR. SEE F.B. 1355-44	
T.P.	5938	201 169	4525	195 231		
T.P.	5 197	201724	4642	196 527		
T.P.	5 322	202 604	4 442	197 282		
T.P.	5 744	204 396	3952	198652		
T.P.	4 099	204 230	4 265	200 131		
T.P.	4 104	204 573	3 761	200 469		
B.M. "D"	8 142	206 027	6688	197885		
T.P.	11 391	215576	1842	204 185		
STA J-1	7932	223 110	0398	215178		
T.P	10 943	232632	1421	221689	±18FT + 4.319 ±220FT - 3.998 +0.321	±220 FT +5.191 ±18FT -4884 +0.307 J-3 225.221 MEAN = + 0.314 J-4 225.535
STA J-3			7411	225221		
STA J-4	1 131	226666		225535		
T.P.	1 718	217 906	10 478	216 188		
STA. RADIAL 2	4 862	211 166	11602	206 304		
T.P.	2153	206 085	7 234	203932		
STA. J-5	11 472	216 265	1 292	204 793		

F.B. 2254 Pg. 86

Job No. 0301.02 Division No. Notes Red. Plotted Profile

Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND) Date 12-12-56 Date No. X-Sec.

Survey by G.E. DREIER Notes G.E.D. Notes Chkd. Checked

Indexed C. Johnson Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.		
		216 265				
T.B.M. #24	9 279	224 712	0 832	215 433		
T.P.	11 134	235 328	0518	224194		
STA. G-2	0 729	235 395	0 662	234666		
T.P.	0 799	224 989	11 205	224190		
T.P.	0 822	216 252	9 559	215 430		
T.P.	2 528	208 848	9 932	206 320		
T.B.M. #15	7147	208 983	7 012	201 836		
T.P.	6 409	211 623	3 769	205 214		
B.M. 50-13			3 754	207 869	B.M. 50-13 ELEV. 207.868 PALOS VERDES DR. S. & CRENSHAW BLVD. SEE F.B. 2400-22 FOR DESC.	

Profile No.____ Notes Red.____ Plotted____ Job No. 2301.02 Division No.____ F. B. 2254 Pg. 87

X-Sec. No.____ Date____ Notes Chkd.____ Date____ Checked____ Date____ Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND) Survey by G.E. DREIER Notes G.E.D. Date 12-12-56 Map No.____ Checked Johnson Date____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
					STA. SHIELDS FIELD ELEV. 310.321	
STA. SHIELDS	5510	315831		310 321	MEAN of PREVIOUS RUNS	
T.P.	8925	323117	1639	314192		
STA. G-1	4220	319939	7398	315719		
T.P.	11579	329333	2185	317754		
STA. A-4	11556	333754	7135	322198		
T.P.	5761	335698	3817	329937		
STA. F-3	11193	339743	7148	328550		
STA. A-3	8872	337946	10669	329074		
T.P.	8174	344532	1588	336358		
T.P.	11446	355051	0927	343605		
T.P.	11907	366682	0276	354775		
RADIO #1	1256	366126	1812	364870		
T.P.	0297	355752	10671	355455		
T.P.	0312	344511	11553	344199		
T.P.	0805	334409	10907	333604		
T.P.	2923	325630	11702	322707		
T.B.M. #23	5947	320947	10630	315000		
T.P.	11726	331997	0676	320271		
T.P.	11009	342579	0427	331570		
T.P.	4575	344442	2712	339867		
STA. A-1	1293	344876	0859	343583		

F. B. 2254 Pg. 88

Job No. 30102 Division No. 10 Notes Red. Plotted

Survey of LA CO PRECISE LEVEL NET (Port BEND) Date 12-13-56 Date

Survey by G.E. DREIER Notes J. MOODY Notes Chkd. Checked

Indexed K. C. Johnson Date Date

Profile No. X-Sec. No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		344 876				
T.B.M. #22	7720	351 438	1 158	343 718		
B.M. 50-12	3694	352989	2143	349 295		
B.M. B-2	11 379	359490	4878	348 111		
T.P.	11 111	369 340	1261	358 229		
T.P	11968	380663	0645	368 695		
T.P.	11 766	391 776	0653	380 010		
T.P.	7908	398 816	0868	390 908		
STA D-2	8208	402 360	4664	394 152		
STA. E-2	8517	409 735	1142	401 218		
T.B.M. #21	11662	421 188	0209	409 526		
T.P.	10941	429 704	2425	418 763	SO. RIM of CO. DRAIN MANHOLE	
T.P.	7082	433763	3023	426 681		
LA. CO. ROAD DEPT. CONST. SPK. IN POLE	1824	433 609	1978	431 785		
T.P.	11717	438395	6931	426 678		
STA. E-1	11523	446867	3051	435344		
STA. D-1	2687	444 583	4971	441 896	— 4' off (NOT N.G. RECORDED)	
STA C-1	3898	441207	7274	437 309		
T.P	0 418	438 022	3603	437 604		
T.P.	1 210	429 745	9487	428535		
T.P	6594	430 706	5633	424 112		
STA. B-1	4759	428 166	7299	423 407		

Profile No.____ Notes Red.____ Plotted____ Job No. 230102 Division No. 10 F. B. 2254 Pg. 89
Date____ Date____ Survey of LA. CO. PRECISE LEVEL NET (PORT. BEND)
X-Sec. No.____ Notes Chkd.____ Checked____ Survey by G.E. DREIER Notes J. MOORY Date 12-13-56
Date____ Date____ Map No.____ Indexed J. Johnson Date____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	
		428 166			
T.P.	5420	426 675	6 911	421255	
STA. B-1A	8428	426 292	8811	417864	
STA. B-1B	8879	433 335	1836	424456	
T.P.	11 574	443 579	1330	432005	
STA. B-1C	11 888	454 228	1 239	442 340	
T.P.	12003	463332	2 899	451329	
T.P.	10941	473 271	1002	462 330	
STA. B-1D			2767	470504	
STA. B-1B	3 837	428 293		424 456	
T.B.M #29	6 352	427 183	7 462	420 831	
T.P.	0 184	418794	8 573	418610	
T.P.	0 419	407 682	11 531	407 263	
T.P.	0 607	396 688	11601	396081	
T.P.	0 406	387 886	9 208	387480	T.P. PEPPERTREE DR. & ROSE APPLE RD, WIRE SPK PAINTED "℄ INT."
T.P.	1583	377 931	11 538	376 348	
T.P.	4 207	374 415	7723	370 208	T.P. PEPPERTREE DR. & TANGERINE RD, NAIL PAINTED "℄ INT."
T.P.	0 602	363 618	11 399	363 016	
T.P.	5 331	358 150	10 799	352 819	
STA. H-1	0723	354 079	4 794	353 356	

F. B. 2254 Pg. 90 Job No. 030102 Division No. Notes Red. Plotted Profile
Survey of L.A.Co. PRECISE LEVEL NET (PORT. BEND) Date Date No. X-Sec.
Survey by G.E. DREIER Notes G.E. DREIER Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		354 079.				
T. P.	0 491	342 614	11 956	342 123		
STA. H-2	1 028	334 086	9 556	333 058		
T. P.	2 514	324 645	11 955	322 131		
STA. H-4	0 819	315 998	9 466	315 179		
T. P.	6 721	312 169	10 550	305 448		
T. P.	0 398	301 529	11 038	301 131		
T. P.	4 961	294 748	11 742	289 787		
STA I-3	8 749	296 372	7 125	287 623		
STA. I-2	11 662	302 945	5 089	291 283		
T. P.	10 459	313 216	0 188	302 757		
T. P.	7 379	320 348	0 247	312 969		
STA. I-1	1 173	320 664	0 857	319 491		
T. P.	0 478	310 531	10 611	310 053		
T. P.	0 651	299 924	11 258	299 273		
T. P.	3 971	292 841	11 054	288 870		
T. P.	9 788	302 107	0 522	292 319		
T. P.	8 372	309 366	1 113	300 994		
BLAKESLEY	3 857	309 326	3 897	305 469		
T. P.	0 358	301 351	8 333	300 993		
T. P.	0 485	289 948	11 888	289 463		
T. P.	0 482	278 878	11 552	278 396		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. ____ F. B. 2254 Pg. 91
Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET (PORT BEND)
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by G. E. DREIER Notes G.E.D. Date 12-14-56
Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		278 878				
T.P.	0 588	267 764	11 702	267 176		
T.P.	1 314	257 500	11 578	256 186		
T.P	0 952	252 324	6 128	251 372		
STA. J-1A	0 719	241 727	11 316	241 008		
T.P.	1 274	237 929	5 072	236 655		
T.P.	0 601	228 338	10 192	227 737		
P.I. #17	2 202	218 817	11 723	216 615		
T.P.	0 507	210 647	8 677	210 140		
T.P.	4 482	203 538	11 591	199 056		
T.P.	4 360	201 594	6 304	197 234		
T.P.	3 697	200 185	5 106	196 488		
B.M. 34-17A			6 012	194 173	B.M. 34-17A ELEV. 194.188	
					PALOS VERDES DR. S. & PEPPERTREE DR. SEE F.B. 1355-44 FOR DESC.	

F. B. 2254 Pg. 92 Job No. 030102 Division No. Notes Red. Plotted No. Profile
Survey of L.A.Co. PRECISE LEVEL NET (PORT. BEND) Date 12-14-56 Date X-Sec.
Survey by G.E. DREIER Notes G.E.D. Notes Chkd. Checked No.
Indexed K. C. Johnson Date Date Date

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	RED PROFILE LINE
BM 50-13	3898	211766		207868	PALOS VERDES DR SO. & CRENSHAW BLVD. SEE FB 24100-22 FOR DESC.
T.P.	4143	209341	6568	205198	
T.B.M #15	4200	205965	7576	201765	
0+00			6648	199317	RED, N. PALOS VERDES DR S. CENTER of cb.
0+03 ±			6638	199327	TOP of N. cb.
0+40			7737	198228	N. EDGE of SUB. GR. (NEW STK)
T.P.	9883	215806	0042	205923	
0+56			860	~~197~~ 207 21	TOP BRK ?
0+77			365	21216	
1+00			171	21410	
1+50			236	21345	(VERY WINDY)
2+00			701	~~198~~ 208 80	
2+50			1094	20487	
3+01			1415	20166	
3+50			1624	19957	
STA J-5			11101	204705	
3+75 ± T.P.	7773	206469	17110	198696	INTER "J" LINE
4+00			864	19783	
4+50			813	19834	
5+00			634	20013	
5+50			442	20205	

Profile No. ____ Date ____ X-Sec. No. ____ Date ____

Notes Red ____ Date ____ Notes Chkd ____ Date ____

Plotted ____ Date ____ Checked ____ Date ____

Job No. 3016.02 Division No. 10 Survey of LACo. PRECISE LEVEL NET (Port Beno) Survey by G.E. DREES Notes J. Mass Date 12-17-56 Map No. ____ Checked Johnson Date ____

F.B. 2254 Pg. 93

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	RED PROFILE LINE
		206 469			
6+00 T.P.	11882	216906	1445	205024	
6+50			651	21040	
7+00			518	21173	
7+50 T.P.	11931	227064	1773	215133	
8+00			981	21725	
8+50			750	21956	
9+00			483	22223	
T.P.	17242	244068	0238	226826	
9+50			1441	22966	
10+00			991	23416	
10+50			371	24036	Bottom of slope
T.P.	17525	261387	0206	243862	
T.P.	17518	278639	0266	261121	
11+00			1437	26427	BRK.
11+30			718	27146	Top of BRK.
11+50			567	27297	NEW STK.
11+76			465	27399	Top of cut BANK S. SIDE of CRENSHAW BL.
11+80			696	27168	Bottom of cut BANK "
12+00			484	27380	
T.P.	17591	295995 100	0235	278404	
12+64			1678	27922	Bottom of cut BANK

F. B. 2254 Pg. 94

Job No. 30102 Division No. 10 Notes Red. Plotted No. Profile

Survey of L.A.Co. PRECISE LEVEL NET (Port BEND) Date 12-17-56 Date X-Sec.

Survey by G.E. DREIER Notes J. MOODY Notes Chkd. Checked

Indexed E. C. Johnson Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	RED PROFILE LINE	
		295 995				
12+50			1404	28196	Top of cut BANK	
12+73			964	28636	Bottom of SLOPE	
T.P.	17448	313208	0235	295760		
13+00			893	30428		
T.P.	17744	330727	0225	312983		
T.P.	17965	348408	0284	330443		
13+50			830	34011		
T.P.	7682	355900	0190	348218		
13+ 63			716	34874	Top of SLOPE	
14+00			513	35077		
14+50			528	35062		
15+00			333	35257		
15+50 T.P.	8508	363232	1176	354724		
16+00			839	35484		
16+50			72	3560	ON GROUND 5' LEFT	(STATION UNDER OLD HOUSE)
17+00			814	35509		
17+50			877	35446		
17+62			832	35491	Toe of fill SLOPE	
T.P.	15860	378711	0381	362851		
T.P.	17882	396208	0385	378326		
T.P.	11724	407932	0000	396208		

Profile Notes Red. ____ Plotted ____ Job No. 030102 Division No. 10 F. B. 2254 Pg. 95
No. ____ Date ____ Date ____ Survey of LA. CO. PRECISE LEVEL NET (PORT BEND)
X-Sec. Notes Chkd. ____ Checked ____ Survey by G. E. DREYER Notes J. Moore Date 12-17-56
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76298 S & E #307—7-55

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F. B. 2254 Pg. 96 Job No. 2301.02 Division No. 10 Notes Red ____ Plotted ____ Profile No. ____
Survey of L.A.Co. PRECISE LEVEL NET (PART BEND) Date ____ Date ____ X-Sec. No. ____
Survey by G.E. & R.E. Notes 1 KNOPPY Notes Chkd. ____ Checked ____
Indexed H. C. JOHNSON Date 12-17-56 Date ____ Date ____

STATION	B. S.	H. I.	F. S.	ELEV.	RED PROFILE LINE	
		407 932				
18+35			410	403 83	top of fill slope	
18+50			071	407 22	TOP of BRK.	
19+00			596	401 97		
19+50					OUT	
20+00			983	398 10		
20+50			1107	396 86		
21+00			1176	396 17		
21+50			1002	397 91	Bottom of BRK	
T. P.	17940	425667 67	0205	407727		
22+00			301	422 66		
T. P.	17875	443 356 36	0186	425 481		
22+27			942	433 94	TOP BRK	
22+47			777	435 59	BOT. BRK	
22+50			672	436 64	BRK	
STA. E-1			8035	435321	ELEV. PER PAGE 89 =	435.344
T.P.	17810	460899 90	0267	443 ~~089~~ 4000		
23+00			1257	448 33		
23+50			248	458 42		
T.P.	13103	473802	0200	460 ~~699~~ 720		
24+00			942	464 38		
24+50			692	466 88		

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		473 802				
25+00			543	46837	END of RED PROFILE LINE	
T. P.	17938	491 307	0433	473 ~~369~~ 400	3	
T. P.	17800	508 808	0299	491 ~~008~~ 050	4	
T. P.	17743	525 889	0662	508 ~~146~~ 199	5	
T. P.	10437	533 514	2812	523 ~~277~~ 140	6	SEE NOTE PAGE 102
T.B.M #14	1539	533 489	1564	53 ~~7.956~~ 2.024	ELEV. PER F.B. 2400-17	= 532.024
T. P.	0180	517 ~~021~~ 98	16648	516 ~~844~~ 918		GREEN LINE N.
29+00			864	508 ~~58~~ 46	GREEN LINE N. END	" "
T. P.	0417	500 ~~218~~ 296	17220	499 ~~801~~ 79	" " "	"
28+50		87 ~~183~~	486	495 ~~36~~ 44		"
28+00 T.P.	0270	484 ~~093~~	16385	483 ~~853~~ 3	917	"
27+50		91	946	474 ~~63~~ 4	73	"
27+12 T.P.	0645	466 ~~698~~ 708 70	18040	466 ~~05~~ 6	.146 TOP of BANK	"
27+00			500	461 ~~72~~ 9		"
26+90			985	456 ~~85~~ 90		"
26+57			1547	451 ~~23~~ 324	N. EDGE of fault	"
26+47 T.P.	4357	453 ~~530~~ 626	17525	449 ~~173~~ 8	268 50. " " "	"
26+00			389	449 ~~64~~ 5	14	"
25+~~80~~ 50			734	446 ~~19~~ 208		"
25+09 T.P.	1103	440 ~~880~~ 97 4	13753	439 ~~777~~ 8	.874 TOP of ROCK WALL	"
25+03			465	436 ~~24~~	.33 BRK	"

Profile Notes Red ____ Plotted ____ Job No 2301.02 Division No 10 F. B. 2254 PG. 97

Mod. Date ____ Date ____ Survey of LA. CO. PRECISE LEVEL NET (PART BEND)

X-Sec. Notes Chkd ____ Checked ____ Survey by G.E. DRESSER Notes J. Mann Date 12-11-56

No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

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Profile No. ____ X-Sec. No. ____

Plotted ____ Date ____ Checked ____ Date ____

Notes Red. ____ Notes Chkd. ____ Date ____

Job No. 2010 Division No. 10 Notes 12-17-56 Date ____

Survey of L.A. Co. PRECISE LEVEL NET (PORT HEDRICK) Notes ____

Survey by S.E. DRIER J. MURDY Date ____

Indexed E. C. Johnson

F. B. 2254 Pg. 98

STATION	B. S.	H. I.	F. S.	ELEV.	GREEN PROFILE H.
		977 9 440 880		581 9	
STA. C-1			3410	437 470	
25+00			503	435 8 5 .95	
24+95			551	435 3 8 .47	TOP BRK
24+85			964	431 24 5 .34	BOT BRK
24+79			1050	430 38 9 .48	
24+69			1713	423 75 6 .85	BOT CUT BANK
24+56 T.P.	3014	7 048 426 948	16946	423 934 4 .034	
24+50			685	420 10 20.	
T.P	0276	10 058 409 961	17263	409 685 777.	
24+25			506	404 90 99.	NEW STK.
24+00 T.P.	0217	124 394 030	16148	393 815 907.	N. EDGE of FAULT
23+67			456	389 47 56.	So. " " "
23+14			501	389 02 11.	Top fill BRK
23+10			859	385 44 53.	
23+00			882	385 11 30.	
22+50			965	384 38 47.	
22+00			1060	383 43 52.	
21+73.6			1082	383 21 30.	Top fill BANK
T.P.	0412	98 376 732	17740	376 370 386.	
21+35 T.P.	0.009	115 360 016 2	16695	360 007 106.	Bot. fill SLOPE
21+00			370	356 32 42.	

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	GREEN LINE PROFILE N.
		360 ~~616~~ 115 2			
20+71			653	353 ~~49~~ 5 9	Bot. BRK
20+67			343	356 ~~5~~ 6 9	top "
20+59			439	355 ~~6~~ 7 3	" "
20+48			1121	348 ~~8~~ 9 1	TOE SLOPE fill
20+00			1171	348 ~~3~~ 4 1	
19+50			1156	348 ~~4~~ 5 6	
19+00			1208	34~~7~~ 8 ~~9~~ 0 4	
BM50-12			10850	349 ~~166~~ 265	
18+50			1216	347 ~~8~~ 9 6	
18+00			1177	348 ~~25~~ 34	
17+50			963	350 ~~39~~ 48	
17+00			659	353 ~~43~~ 52	
16+50			578	354 ~~8~~ 3 4	
16+20 5			637	353 ~~65~~ 74	top BRK.
16+00			896	351 ~~0~~ 1 6	
T.P.	0738	343 ~~443~~ 544	17311	342 ~~705~~ 806	
15+50			379	339 ~~6~~ 7 5	
15+00			1379	329 ~~6~~ 7 5	
T.P.	0421	326 ~~764~~ 867	17100	326 ~~343~~ 446	
14+50			403	322 ~~73~~ 84	
14+00			904	317 ~~72~~ 82	

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 030102 Division No. 10 F.B. 2254 Pg. 99
X-Sec. No. ____ Date ____ Date ____ Survey of LA.CO. PRECISE LEVEL NET (PORT BEND)
Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes J. MOODY Date 12-17-56
Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	GREEN PROFILE N.
		326 ~~964~~ 867			
13+78.6			11 14	315 ~~62~~ 73	TOP ROCK WALL N. SIDE of CRENSHAW
13+78.5			12 15	314 ~~61~~ 72	Bot ROCK "
T.B.M. 23			11 902	314 ~~862~~ 965	
13+50			10 19	316 ~~59~~ 68	
13+6.6			7 36	319 ~~40~~ 51	TOP fill SLOPE SO. SIDE CRENSHAW
T.P.	0.887	310 ~~101~~ 206	17 550	309 ~~214~~ 319	
T.P.	1.887	294 ~~253~~ 360	17 735	292 ~~366~~ 473	
12+50			8 27	285 ~~98~~ 609	toe fill SLOPE
T.P.	7791	28 ~~4903~~ 5 013	17 141	277 ~~112~~ 222	
12+00			9 07	275 ~~474~~ 94 ~~83~~	
11+50			13 19	271 ~~71~~ 82	
11+38			13 23	27 ~~0~~ 1 ~~67~~ 78	TOE SLOPE
11+00			8 69	276 ~~21~~ 32	
10+50			1 05	283 ~~85~~ 96	
10+38.5			0 54	284 ~~36~~ 47	TOP BRK.
10+00			6 57	278 ~~33~~ 44	
9+50			12 12	272 ~~78~~ 89	
T.P.	0.393	267 ~~385~~ 497	17 911	26 ~~699~~ 7.104	
9+00			4 78	262 ~~61~~ 72	
8+50 T.P.	0.693	25 ~~0890~~ 1 004	17 188	250 ~~197~~ 311	Bot. BRK.
8+00			2 33	248 ~~56~~ 67	

F. B. 2254 PG. 100

Job No. 30102 Division No. 10 Notes Red. Plotted Date 12-17-56 Notes Chkd. Checked Date

Survey of LA CO. PRECISE LEVEL NET (PORT BEND) Notes Date

Survey by G. E. DREIER Notes Date

Indexed E. C. Johnson Date

Profile No. X-Sec. No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	GREEN PROFILE N.
7+50		~~250 890~~ 1 004	1235	238 ~~54~~ 65	
T.P.	0489	234 ~~039~~ 155	17340	233 ~~550~~ 666	
7+00			501	229 ~~03~~ 15	
6+50			997	224 ~~08~~ 7 .19	
6+00 T.P.	0443	217 ~~379~~ 498	17103	21 ~~6936~~ 7055	
5+50			899	208 ~~39~~ 51	
5+00			1200	205 ~~38~~ 50	
4+50			1241	20 ~~497~~ 509	
4 09			853	208 ~~85~~ 97	INTER. "J" LINE
4+00			835	209 ~~03~~ 15	
3+50 T.P.	6498	220 ~~777~~ 898	3100	214 ~~279~~ 400	
3+00			215	218 ~~63~~ 75	
2+50			204	218 ~~74~~ 86	
2+00			1362	207 ~~16~~ 28	
1+80.2 T.P.	3688	207 ~~206~~ 329	17259	203 ~~518~~ 641	TOP CUT BANK
1+68.5			166	19 ~~15~~ 0 ~~6~~ 7	TOE SLOPE top SUB. GR.
1+33.8			1560	191 ~~61~~ 73	TOP CB. N.
1+30.8			1565	191 ~~56~~ 68	CENTER of curbs
1+27			1574	191 ~~47~~ 59	TOP CB. S.
0+86			1775	189 ~~46~~ 58	Bot. cut BANK
0+84			1527	19 ~~1 94~~ 2 06	TOP CUT BANK

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F.B. 2254 PG. 101
Date ____ Date ____ Survey of LA. CO. PRECISE LEVEL NET (PORT BEND)
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by G. EDREIER Notes J. MOOD Date 12-17-56
Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

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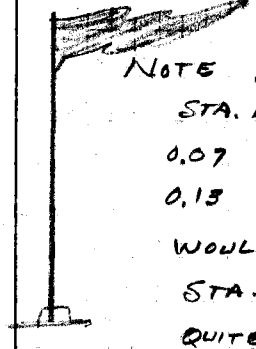
STATION	B. S.	H. I.	F. S.	ELEV.	GREEN PROFILE N.
		207 ~~206~~ 329			
T. P.	7069	196 ~~752~~ 875	17523	189 ~~683~~ 808	
0+50			855	188 ~~20~~ 33	
0+15			1209	184 ~~64~~ 78	TOP BRK.
0+00			1690	179 ~~85~~ 98	
T. P.	8671	204 913	0510	196 ~~247~~ 370	
T. P.	8770	210 705	2978	20 ~~1935~~ 2065	
BM 50-13			2969	207 ~~736~~ 868	B.M. 50-13 ELEV 207.868 PALOS VERDES DR S. & CRENSHAW BL. SEE F.B. 2400-22 FOR DESC



NOTE POOR CLOSURE HOWEVER HIT STA. E-1 (PAGE 96) O.K, BUT WAS OUT 0.07 AT T.B.M. #14 (PAGE 97) AND OUT 0.13 AT B.M. 50-13 (PAGE 102) THUS WOULD SUGGEST ADJUSTMENT FROM STA. E-1 (PAGE 96) CONDITIONS WERE QUITE WINDY AND WERE USING 18' ROD

G.E.D.

F. B. 2254 Pg. 102 Job No. 30602 Division No. 10 Notes Red. Plotted Profile
Survey of L.A. CO. PRECISE LEVEL NET (PORT BEND) Date Date No. X-Sec.
Survey by G.E. DREIER Notes J. MOODY Notes Chkd. Checked
Indexed R. C. Johnson Date 12-17-56 Date Date No.

76298 S & E #307—7-55

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	GREEN PROFILE S.
B.M. 50-13	2 479	210 347		207 868	B.M. 50-13
T.P.	2 898	204 918	8 327	202020	
T.P.	3 511	201 340	7 089	197 829	
T.P.	1 339	194 499	8 180	193 160	
	0 177	184 051	10625	183 874	
0+00			4 07	179 98	GREEN LINE N. & S.
T.P.	0 736	173635	11 152	172 899	
0+30 S.			997	163 66	
T.P.	0 361	162 355	11 641	161 994	
1+00 S.			637	155 98	
T.P.	0 413	151 463	11 305	151 050	
1+50 S.			504	146 42	
T.P.	0 488	141 658	10 293	141 170	
2+00 S.			9 41	132 25	
T.P.	0 446	130 705	11 399	130 259	
2+34 S.			6 00	124 70	BRK
2+50 S.			7 39	123 ~~34~~ 32	
2+68 S.			10 10	120 60	N. EDGE ERRODED RAVINE
T.P.	0 627	119 786	11 546	119 159	
3+12			3 41	116 38	S. " " "
3+50			8 20	111 59	

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. ____ F. B. 2254 Pg. 103
No. ____ Date ____ Date ____ Survey of L.A.Co. PRECISE LEVEL NET (PORT BEVD)
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 12-18-56
No. ____ Date ____ Date ____ Map No. ____ Traced J. Johnson Date ____

76298 S & E #307—7-55

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	GREEN PROFILE S.
		119 786			CONT.
T.P.	0514	108 632	11 668	108 118	
4+00 S.			306	10557	
T.P.	0525	97 634	11 523	97 109	
4+50			733	9030	
T.P.	0 401	86 355	11680	85 954	
4+67 S			153	8482	BRK
4+72 S			467	8168	BRK
4+83 S			437	8198	TOP CUT BANK
T.P	0765	75 444	11 676	74 679	
5+04 S			1078	6474	BOT CUT BANK
5+11 S.			1140	6404	N. EDGE PAV.
5+22 S.			1169	6375	APPROX CENTER YAHCT HARBOR DR.
5+40 S			1290	6254	S. EDGE PAV.
5+40.5 S.			1130	6414	TOP ROCK WALL
5+50 S.			1076	6468	
T.P.	2 551	67 212	10 783	64661	
5+85 S.			095	6626	
6+03 S			881	5840	TOP ROCK WALL
6+03 S			1011	5710	PAVE. BASE ROCK WALL
6+18 S			1083	5638	APPROX CENTER ST.
6+30 S			1191	5530	S. GUTTER END.

F. B. 2250 Pg. 104 Job No. 8301.02 Division No. Notes Red. Plotted Profile
Survey of L.A.Co. PRECISE LEVEL NET (PORT. BEND) Date Date No. X-Sec.
Survey by G.E. DREIER Notes G.E.D. Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		67 212				
T.B.M. #28	1 601	63 105	5 708	61 504	CONT.	
T.P.	0 662	52 539	11 228	51 877		
T.P.	0 785	41 608	11 716	40 823		
T.P.	2 192	32 431	11 369	30 239		
T.P.	0 759	29 951	3 239	29 192		
T.P.	0 408	19 076	11 283	18 668		
B.M. P.B. 7	5 119	16 900	7 295	11 781		
T.P.	2 769	16 171	3 498	13 402		
T.P.	0 987	14 400	2 758	13 41[illegible]		
B.M. P.B. 8			6 448	7 952		
B.M. P.B-7	1 415	13 196		11 781	CONT.	
T.P.	2 813	6 878	9 131	4 065		
B.M. P.B. 6A	6 969	7 355	6 492	0 386		
B.M. P.B 6	3 793	10 107	1 041	6 314		
T.P.	4 066	10 515	3 658	6 449		
T.P.	2 302	6 409	6 408	4 107		
B.M. P.B 5A	9 873	10 626	5 656	0 753		
B.M. P.B-5	2 672	11 320	1 978	8 648		
B.M. P.B-4	6 457	9 918	7 859	3 461		
B.M. P.B-3	4 054	8 920	5 052	4 866	4 906	

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. ____ F. B. 2254 Pg. 105
No. ____ Date ____ Date ____ Survey of L.A.Co. PRECISE LEVEL NET (PORT. BEND)
X-Sec. Notes Chkd. ____ Checked ____ Survey by C.E. DREIER Notes G.E.D. Date 12-18-56
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76298 S & E #307—7-55

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		8 920				
T.P.	11152	14 343	5 729	3 191	(10.829 PREVIOUS UNADJ.)	
B.M. P.B-2	5183	16 018	3 508	10 835		
T.P.	7349	11 671	11 696	4 322		
T.P.	8 478	14 341	5 808	5 863		
B.M. P.B-1	11 242	18 797	6 786	7 555		
T.P.	3 305	19 650	2 452	16 345		
T.P.	5 622	21 662	3 610	16 040		
T.B.M. #26	5982	23 247	4 397	17 265		
T.P.	5565	24 411	4 401	18 846		
T.P.	11 939	34 179	2 171	22 240		
STA K-2	6288	39 227	1 240	32 939		
T.B.M. #27	8 178	43 046	4 359	34 868		
STA K-3	11 989	50 826	4 209	38 837		
T.P.	8 294	58 163	0 957	49 869		
T.P.	9 217	63 792	3 588	54 575		
T.B.M. # 28			2 331	61 461	ELEV PER PAGE 105 61.504	

OK

F. B. 2254 Pg. 106 Job No. 0301.02 Division No. Notes Red. Plotted Profile
Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND) Date 12-18-56 Date No. X-Sec.
Survey by G. E. DREIER Notes C.E.D. Notes Chkd. Checked
Indexed C. Johnson Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
STA. K-5	7463	143.503		136040	STA K-5 FIELD ELEV. 136,040 MEAN OF PREVIOUS RUNS	
TP	1033	143 777	10759	132744		
TP	0359	122 889	11247	122530		
TP	0338	111 532	11695	111 194		
TP	1308	101 012	11828	99704		
TP	3632	94959	9685	91327		
STA. K-4	2358	89.913	7404	87555		
TP	0754	82 505	8162	81.751		
T.P.	0744	71 767	11482	71.023		
TBM #28	3470	64975	10262	61.505		
T.P.	11524	73 262	3237	61738		
T.P.	9531	81 677	1116	72146		
T.P.	11839	93 051	0465	81212		
T.P.	10841	103 536	0356	92695		
T.P.	11852	114576	0812	102724		
TP	9748	123 868	0456	114 120		
TBM #25	9392	132 098	1162	122.706		
T.P.	11931	142 911	1118	130980		
T.P.	11363	151 977	2297	140614		
T.P.	11652	163.048	0.581	151396		
T.P.			1042	162006		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. ____ F. B. 2254 Pg. 167
Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND)
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Noted T. OHASHI Date 12-19-56
Date ____ Date ____ Map No. ____ Date 1-4-57

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.
T.P.	11931	173937		162006
T.P.	11798	185161	0574	173363
T.P.	11976	196339	0798	184363
TP	11772	207476	0635	195704
T.P.	8900	214770	1606	205870
STA. K-1	0458	214098	1130	213640
T.P.	0971	206837	8232	205866
T.P.	2487	198190	11134	195703
BM34-17A	5543	199702	4031	194159
TP	5739	201574	3867	195835
T.P.	5628	202755	4447	197127
T.P.	5599	204576	3778	198977
TP	4023	203908	4691	199885
T.P.	4191	204581	3518	200390
BM "D"	8244	206097	6728	197853
TP	11551	215618	2030	204067
B.M. J-1	9518	224546	0590	215028
T.P.	11471	233011	3006	221540
B.M. J-3			7927	225084
B.M. J-4	0976	226400		225424
T.P.			10282	216118

#1 ⊼

B.S. 20± + 4.274
F.S. 220± − 3919
+ 0.355

#2 ⊼

B.S. 220± + 4.962
F.S. 20± − 4636
+ 0326

225.084 = J-3
MEAN + 0.340
225.424 = J-4

F. B. 2254 PG. 108 Job No. 030102 Division No. Notes Red. Plotted Profile
Survey of L.A. Co. PRECISE LEVEL NET (PORT BEND) Date 12-19-56 Date No.
Survey by G.E. DREIER Notes T. OHASHI Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
TP	1935	218053		216118		
RADIAL #2	4939	211174	11818	206235		
T.P.	2187	206025	7336	203838		
STA J-5	11793	216491	1327	204698		
TBM #24	9727	225043	1175	215316		
T.P.	11284	235313	1014	224029		
STA. G-2	0728	235204	0837	234476		
T.P.	0842	224868	11178	224026		
T.P.	1217	216527	9558	215310		
T.P.	2483	208672	10338	206189		
T.BM. #15	7388	209130	6930	201742		
T.P.	6428	211625	3933	205197		
BM. 50-13			3759	207866	B.M. 50-13 ELEV. 207.868	

O.K. [illegible] No Adj.

PALOS VERDES DR. & CRENSHAW BLVD.
SEE F.B. 2400-22 FOR DESC.

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. ____ F. B. 2254 Pg. 109
X-Sec. No. ____ Date ____ Date ____ Survey of L.A. Co PRECISE LEVEL NET (PORT BEND)
Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes TOHASHI Date 12-19-56
Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
STA. SHIELDS	5636	315957		310321	STA. SHIELDS - FIELD ELEV. 310.321 MEAN OF PREVIOUS RUNS	
T.P.	8637	322828	1766	314191		
STA. G-1	4152	319868	7112	315716		
T.P.	11824	329574	2118	317750		
STA. A-4	11421	333609	7386	322188		
T.P.	5965	335893	3681	329928		
STA. F-3	10978	339352	7519	328374		
STA. A-3	9249	338245	10356	328996		
T.P.	8276	344576	1945	336300		
T.P.	11398	354952	1022	343554		
T.P.	11959	366699	0212	354740		
RADIAL #1	1892	366722	1869	364830		
T.P.	0327	355767	11282	355440		
T.P.	0428	344607	11588	344179		
T.P.	0571	334137	11041	333566		
T.P.	1608	324266	11479	322658		
TBM #23	6612	321565	9313	314953		
T.P.	11649	331880	1334	320231		
T.P.	11091	342620	0351	331529		
STA. A-2	4642	344494	2768	339852		
STA. A-1			0934	343560	CONT.	

F. B. 2254 Pg. 110 Job No. 030102 Division No. Notes Red. Plotted Profile
Survey of LA. Co PRECISE LEVEL NET (PORT BEND) Date 12-20-56 Date No.
Survey by G.E. DREIER Notes T. OHASHI Notes Chkd. Checked X-Sec.
Indexed K. C. Johnson Date Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
					CONT.	
STA. A-1	1073	344633		343560		
TBM #22	7302	351019	0916	343717		
BM. 50-12	5966	355187	1798	349221		
STA. B-2	11266	359281	7172	348015		
T.P	10794	368880	1195	358086		
T.P.	11941	380445	0376	368504		
T.P.	11437	391252	0630	379815		
T.P.	7793	398497	0548	390704		
STA. D-2	7301	401230	4568	393929		
STA. E-2	9182	410084	0328	400902	MON. SITTING IN CRACK	
TBM #21	11711	421007	0788	409296		
T.P.	11148	429886	2269	418738	SO. RIM OF DRAIN MANHOLE	
T.P.	7548	434200	3234	426652		
L.A. Co. Rd. TBM	2228	433989	2439	431761	L.A. Co. Rd. DEPT CONST. TBM. BT. SPK IN P.P.	
TP	11628	438283	7334	426655		
STA. E-1	11623	446944	2962	435321		
T.P.	2797	444663	5078	441866		
STA. D-1	4657	441938	7382	437281		
STA. C-1	0744	438204	4478	437460		
T.P.	1072	429516	9760	428444		
T.P.			5557	423959		

Profile No. ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. 030102 Division No. ____ Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND) Survey by G.E. DREIER Notes T. OHASHI Date 12-20-56 Map No. ____ Indexed Johnson Date ____

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____

F. B. 2254 Pg. 111

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	6478	430437		423959		
STA. B-1	3523	426778	7182	423255		
T.P.	5257	426376	5659	421119		
STA. B-1A	8518	426263	8631	417745		
STA. B-1B	8833	433145	1951	424312		
T.P.	11732	443695	1182	431963		
STA. B-1C	11818	454112	1401	442294		
T.P.	11912	463187	2837	451275		
T.P.	10934	473203	0918	462269		
STA. B-1D			2762	470441	No Adj Possible.	

F. B. 2254 Pg. 112 Job No. 030102 Division No. Notes Red. Plotted Profile
Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND) Date 12-20-56 Date No. X-Sec.
Survey by G. E. DREIER Notes T. OHASHI Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

76298 S & E #307—7-55

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STATION	B. S. +	H. I.	F. S. −	ELEV.	RERUN fm E-1 to B-1D	
						12-13-56
STA E-1	11 784	447 128		435 344	STA. E-1 ELEV.=435.344	FROM PAGE
T.P.	2871	444 765	5234	441 894		
STA. D-1	5437	442 745	7457	437308		
T.P.	9564	446 218	6091	436654		
STA. C-1	0759	438 142	8835	437383		
T.P.	1072	429 486	9728	428414		
T.P.	6441	430 314	5613	423873		
STA B-1	3924	427 087	7151	423163		
T.P.	5323	426 381	6029	421 058		
STA B-1A	8598	426 294	8685	417696		
STA B-1B	8799	433 045	2048	424246		
T.P.	11 517	443 514	1048	431997		
B-1C	11 972	454 305	1181	442 333		
T.P.	11 778	463 084	2999	451306		
T.P.	10 924	473226	0782	462302		
B-1D	2799	473272	2753	470473		
T.P.	0932	463 230	10 974	462298		
TP	2908	454 211	11 929	451303		
B-1C			11 887	442324		

No adj. [illegible]

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F. B. 2254 Pg. 113
No. ____ Date ____ Date ____ Survey of LA CO PRECISE LEVEL NET (PORT BEND)
X-Sec. Notes Chkd. ____ Checked ____ Survey by G. E. DREIER Notes R. DOVER Date 12-26-56
No. ____ Date ____ Date ____ Map No. ____ Moved Johnson Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
STA B-1C	0964	443297		442333	STA B-1C Field elev. 442.333 of Previous	
T.P.	0331	432331	·11297	432~~300~~ 001	· RUN F.B. 2254-1B	
T.B.M. #29	6628	427218	·11741	420~~590~~ 592	·	
T.P.	0247	418720	·8745	418~~473~~ 475	·	
T.P.	0509	407691	·11538	407~~182~~ 185	·	
T.P.	0518	396581	·11628	396~~063~~ 067	·	
T.P.	0412	384991	·12002	384~~579~~ 583	·	
T.P.	1277	377599	8669	376~~322~~ 327	·	
T.P.	4302	374471	·7430	370~~169~~ 178	·	
T.P.	0497	363456	·11512	362~~959~~ 966	·	
T.P.	5014	357777	·10693	352~~763~~ 771	·	
STA H #-1	0281	353562	·4496	353~~281~~ 289	·	
T.P.	0566	342606	·11528	342~~040~~ 9	·	
STA H #-2	1056	334006	·9656	332~~950~~ 60	·	
T.P.	2874	324926	·11954	322~~052~~ 6	·	
STA H #-4	1025	316108	·9843	315~~083~~ 94	·	
T.P.	6939	312316	·10731	305~~377~~ 89	·	
T.P.	0207	301264	·11259	301~~057~~ 78	·	
T.P.	5018	294743	·11539	289~~725~~ 39	·	
STA i #-x3	8822	296373	·7192	287~~551~~ 63	·	
STA i #-2	11821	303006	·5188	291~~185~~ 200	·	

F. B. 2254 Pg. 114

Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile

Survey of L.A. Co. PRECISE LEVEL NET (PORT BEND) Date Date No.

Survey by G.E. DREIER Notes T. MELENDEZ Notes Chkd. Checked X-Sec.

Indexed R. C. Johnson Date 12-27-56 Date Date No.

76298 S & E #307—7-55

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		21
		303 006				
T.P.	11576	314 267	0315	302 ~~691~~ 707		
T.P.	7780	320 705	1342	312 ~~925~~ 41		
STA i #-1	0922	320 384	1243	319 ~~462~~ 79		
T.P.	0433	310 426	10391	3~~09993~~ 10 011		
T.P.	0317	299 484	11259	299167		
T.P.	5131	292 823	11792	287692		
T.P.	9625	301870	0578	292245		
T.P. STA.	8338	309 266	0942	300928		
BLAKESLEY	4123	309 520	3869	305 ~~397~~ 419		
T.P.	0392	301 320	8592	300928		
T.P.	0514	292 760	9074	292246		
T.P.	0373	281 256	11877	280883		
T.P.	0372	269 779	11849	269407		
T.P.	0345	260 566	9558	260221		
T.P.	0432	249 409	11589	248977		
STA J-1A	3022	243 853	8578	240 ~~831~~ 58		
T.P.	0515	237021	7347	236506		
T.P.	0207	227 819	9409	227612		
STA. #P.I.-17	0872	217 393	11298	216 ~~521~~ 50		
T.P.	0879	210 899	7373	210 020		
T.P.	2953	202053	11799	199100	41	

Profile Notes Red. ____ Plotted ____ Job No. 03 01 02 Division No. 10 F.B. 2254 PG. 115
No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND)
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DRIER Notes T. MELENDEZ Date 12-27-56
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76298 S & E #307—7-55

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F. B. 2254 Pg. 116 Job No. 0300-02 Division No. 03 Notes Red. Plotted. Profile
Survey of LARCO PRECISE LEVEL NET (Part RENO) Date. No. X-Sec.
Survey by G.E. DREIER Notes J. A. MOORE Notes Chkd. Checked.
Indexed C. JOHNSON Date (12-27-56) Date. Date. No.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	3977	201039 (202 ~~203~~)	4991	197062	(42)	
T.P.	4467	199668	5838	195201		
BM 34-17A	5516	199701	5483	194~~195~~218	B.M. 34-17A ELEV. 194.188	F.B. 1355-44
T.P.	5413	201375	3739	195962		
T.P.	4856	202339	3892	197483		
T.P.	5382	204468	3253	199086		
T.P.	4043	203740	4771	199697		
T.P.	3979	204321	3398	200342		
B.M. "D"	8254	206116	6459	197~~862~~900		
T.P.	11391	215356	2151	203965		
STA. J-1	8679	223573	0462	214~~894~~903		
T.P.	11356	232758	2171	221402		
STA. J-3		229251	7801	224~~952~~97	20'± + 4.294 220 ± - 3.932 + 0.362	220 ± + 4.605 20 ± - 4.257 + 0.348
STA J-4	0472	225784		225~~312~~53		
T.P.	0990	217055	9719	216065	STA. J-3 ELEV = 224.957	
STA. RADIAL #2	4991	211172	10874	206~~281~~224	MEAN = + 0.355	
T.P.	3458	207219	7411	203761	STA J-4 ELEV = 225.312	
STA J-5	11805	216411	2613	204~~606~~650		
T.B.M. #24	9378	224573	1216	215~~495~~250		
T.P.	11193	235038	0728	223845		
STA G-2	0768	235034	0772	234~~266~~312		

76298 S & E #307—7-55

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line. 6

STATION	B. S.	H. I.	F. S.	ELEV.		
		235 034				
T.P.	0526	224368	11192	223842		
T.B.M #24	1032	216222	9178	215 ~~190~~ 238		
T.P.	2538	208572	10188	206034		
T.B.M #15	7535	209166	6941	201 ~~634~~ 81	SEE NOTE AT BOTTOM OF PAGE 120	
T.P.	6538	211705	3999	205167		
B.M.50-13			3888	207 ~~817~~ 868	B.M.50-13 ELEV 207.868	
					PALOS VERDES DR. S. & CRENSHAW BLVD.	
					SEE F.B. 2400-22	
BM 50-13	3754	211622		207 868		
TP	0234	202203	9653	201969		
T.P.	0319	192517	10005	192198		
T.P.	0524	181278	11763	180754		
T.P.	0289	170071	11496	169782		
T.P.	0581	159161	11491	158580		
T.P.	0344	147886	11619	147542		
STA. K-5	5055	141093	11848	136 ~~038~~ 45		
T.P.	1038	133777	8354	132739	1-2-57	
T.P.	0524	123048	11253	122524		
T.P.	0448	111635	11861	111187		
T.P.	1453	101148	11940	99695		
T.P.	3903	95104	9947	91201		12

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F.B. 2254 Pg. 117
No. ____ Date ____ Date ____ Survey of LACO PRECISE LEVEL NET (PORT BEND)
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREYER Notes J. MOODY Date 12-28-56
No. ____ Date ____ Date ____ Map No. ____ Inspector Johnson Date ____

76298 S & E #307—7-55

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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	B. S.	H. I.	F. S.	ELEV.	
		95 104			
STA K-4	2 702	90 133	7 673	87 ~~431~~ 44	(13)
T.P.	0 339	82 000	8 472	81 661	
T.P	0 403	71 297	11 106	70 894	
T.B.M. #28	1 058	62 508	9 847	61 ~~450~~ 66	
T.P.	0 669	52 385	10 792	51 716	
T.P.	0 931	41 559	11 757	40 628	
T.P	2 223	32 393	11 389	30 170	
T.P.	0 739	29 916	3 216	29 177	
T.P.	0 377	19 020	11 273	18 643	
B.M. P.B. #7	5 269	17 ~~022~~ 044	7 267	11 ~~753~~ 75	10
T.P.	2 692	16 ~~046~~ 78	3 658	13 ~~364~~ 86	
T.P.	0 952	143 ~~37~~ 59	2 671	13 ~~385~~ 407	
B.M. P.B. #8			6 398	7 ~~939~~ 61	
B.M. P.B. #7	1 602	13 355		11 ~~753~~ 75	
T.P.	2 236	11 170	4 421	8 934	
T.P.	5 772	12 325	4 617	6 553	(B.M. P.B. 6A UNDER WATER THIS A.M.)
B.M. P.B. #6	9 846	16 343	5 828	6 ~~497~~ 522	+1.312 = ⊼ = 7.809 − 7.444 = 0.365 ELEV. P.B. 6A LOW TIDE P.M.
T.P.	6 758	16 190	6 911	9 432	
T.P.	4 642	17 234	3 598	12 592	(B.M. P.B. 5A UNDER WATER THIS A.M.
B.M. P.B. #5	1 891	10 533	8 592	8 ~~642~~ 70	+1.874 = ⊼ = 10.516 − 9.768 = 0.748 ELEV. P.B. 5A

(16)

F. B. 2254 Pg. 118 | Job No. 0301.02 | Division No. | Notes Red. | Plotted | Profile
Survey of L.A.Co. PRECISE LEVEL NET (PORT. BEND) | Date | Date | No.
Survey by G.E. DREIER | Notes G.E. DREIER | Notes Chkd. | Checked | X-Sec.
Indexed K. C. Johnson | Date | Date | Date | No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		10 533				
B.M. P.B. #4	6 803	10 263	7 073	3 ~~460~~ 89		
B.M. P.B. #3	6 979	11 844	5 398	4 ~~865~~ 95		6 979
T.P.	9 827	15 950	5 721	6 123		5 721
B.M. P.B. #2	5 111	16 032	5 029	10 ~~921~~ 53		1 258
T.P.	7 423	11 773	11 682	4 350		
T.P.	7 896	13 764	5 905	5 868		
B.M. P.B. #1	10 599	18 164	6 199	7 ~~565~~ 600		
T.P.	3 273	19 628	1 809	16 355		
T.P.	5 732	21 812	3 548	16 080		
T.B.M. #26	6 039	23 288	4 563	17 ~~249~~ 87		
T.P.	5 771	24 620	4 439	18 849		
T.P.	11 893	34 143	2 370	22 250		
STA K-2	6 238	39 049	1 332	32 ~~811~~ 52		
T.B.M. #27	7 545	42 419	4 175	34 ~~874~~ 916		
STA K-3	11 394	49 872	3 941	38 ~~478~~ 521		
T.P.	9 699	59 306	0 265	49 607		
T.P.	7 401	64 539	2 168	57 138		
T.B.M. #28	3 377	64 822	3 094	61 ~~445~~ 91		
T.P.	11 763	73 447	3 138	61 684		
T.P.	10 793	82 902	1 338	72 109		
T.P.	11 862	92 853	1 911	80 991		

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. ____ F. B. 2254 Pg. 119
No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND)
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 1-2-57
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	
		92 853			
T.P.	10 673	103 254	0272	92581	
T.P.	11 903	114524	0633	102621	
T.P.	10133	124235	0422	114102	
T.B.M. #25	9205	131916	1524	122~~744~~ 64	
T.P.	11932	142896	0952	130964	
T.P.	11 888	152336	2448	140448	
T.P.	11397	162695	1038	151298	
T.P.	11719	173688	0726	161969	
T.P.	11701	185024	0365	173323	
T.P.	11763	196090	0697	184327	
T.P.	11 409	207076	0423	195667	
	10 414	216251	1239	205837	
STA. K-1	2 663	216270	2644	213~~607~~ 69	
	1 466	207303	10433	205837	
	2 820	198 491	11632	195 671	
B.M. 34-17A	5705	199 828	4368	194~~123~~ 188	B.M. 34-17A ELEV 194.188
T.P.	5717	200494	5051	194 777	PALOS VERDES DR. S. & PEPPERTREE DR.
T.P.	4338	200 163	4669	195825	SEE F.B. 1355-44 FOR DESCRIPTION
T.P.	2677	196 093	6747	193416	NOTE THIS B.M. APPEARS TO HAVE SUNK ABOUT
T.P.	0693	187 949	8837	187256	0.04 FT., ALSO B.M. 34-18. RUN ON PAGES
T.P.	1498	177 508	11939	176 010	116 & 117, AND 121 & 122 WOULD INDICATE SAME

16

F. B. 2254 Pg. 120

Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile

Survey of LA CO. PRECISE LEVEL NET (PORT. BEND) Date Date No.

Survey by G.E. DREER Notes J.A. MOODY Notes Chkd. Checked X-Sec.

Indexed C. Johnson Date 1-2-57 Date Date No.

76298 S & E #307—7-55

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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STATION	B. S.	H. I.	F. S.	ELEV.	
		177 508			
T.P.	3048	172 184	8372	169136	
BM. 34-18	3904	172 510	3578	168680	B.M. 34-18 ELEV. 168,680 PALOS VERDES DR. S. & NARCISSIS DR. SEE F.B. 1355-22 FOR DESC
			6988	165522	L.A.Co. RD. DEPT. B.M. PALOS VERDES DR. S. & NARCISSIS DR. B.M. NAIL IN LEAD IN BOTTOM STEP TO BLDG AT N.E. COR.
B.M. 34-18	3368	172 048		168 680	B.M. 34-18 ELEV. 168,680 F.B. 1355-22
T.P.	7834	177 041	2841	169207	
T.P.	11983	188 065	0959	176082	
T.P.	8878	196 206	0737	187328	
T.P.	6712	200 199	2719	193487	
T.P.	4711	200 603	4307	195892	
T.P.	5011	199 855	5759	194844	
BM. 34-17A	5539	199 731	5663	194192	BM. 34-17A PALOS VERDES DR. S. & PEPPERTREE DR. SEE F.B. 1355-44 FOR DESC.
T.P.	5468	201 457	3742	195989	
T.P.	5451	202 370	4538	196919	
T.P.	5434	204 089	3715	198655	
T.P.	3902	203 843	4148	199941	

Profile No. ____ Notes Red. ____ Date ____ Plotted ____ Date ____ Job No. 030102 Division No. ____ Survey of L.A.Co. PRECISE LEVEL NET (PORT. BEND) F. B. 2254 Pg. 121

X-Sec. No. ____ Notes Chkd. ____ Date ____ Checked ____ Date ____ Survey by G.E. DREIER Notes T. OHASHI Date 1-3-57

Map No. ____ Date ____ Indexed Johnson Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.
		203 843		
T. P.	4103	204 444	3 502	200341
B.M. "D"	7699	205 601	6 542	197902
T. P.	11792	215722	1671	203930
STA. J-1	9037	223 862	0897	214825
T. P.	11 538	232 869	2 531	221331
STA. J-3			7972	224897
STA. J-4	0311	225566		225255
T. P.	0311	216 354	9 523	216043
RADIAL #2	5032	211 211	10175	206179
T. P.	1810	205 562	7459	203752
T. P.	10113	208 574	7101	198461
STA. J-5	11579	216175	3978	204596
TBM #24	9128	224307	0996	215179
T. P.	11175	234 971	0511	223796
STA. G-2	0759	234951	0779	234192
T. P.	0531	224326	11156	223795
T. P.	0751	215 927	9150	215176
T. P.	2721	208 725	9923	206004
TBM #15	7527	209 167	7085	201640
T. P.	6498	211 727	3938	205229
BM. 50-13			3832	207 895

WEST SIDE ⊼
B.S. 20'± + 4.386
F.S. 220'± − 4013
+ 0.3731

EAST SIDE ⊼
B.S. 220'± + 4632
F.S. 20'± − 4288
+ 0.344

224 897
MEAN OF DIFF. + 0 358
225 255

POOR CLOSURER - SEE NOTE BOTTOM PAGE 120

B.M. 50-13 ELEV. 207.868 F.B. 2400-22
PALOS VERDES DR. S. & CRENSHAW BLVD.

F. B. 2254 PG. 122
Job No. 030102 Division No. Notes Red. Plotted Profile
Survey of L.A. Co PRECISE LEVEL NET (PORT BEND) Date 1-3-57 Date No.
Survey by G.E. DREIER Notes T. OHASHI Notes Chkd. Checked X-Sec.
Indexed K. C. Johnson Date Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
BM 50-13	3 832	211 700		207 868	B.M. 50-13 ELEV. 207.868 F.B. 2400-22 PALOS VERDES DR. S. & CRENSHAW BLVD.	
T.P.	3 938	209 140	6498	205 202		
TBM #15	11 979	213 592	7527	201 613	?	
T.P.	11956	225252	0296	213296		
T.P.	9619	234363	0508	224744		
T.P.	11011	244661	0713	233650		
T.P.	11649	255935	0375	244286		
T.P.	11805	267390	0350	255585		
T.P.	11714	278320	0784	266606		
T.P.	11975	289917	0378	277942		
T.P.	11797	301216	0498	289419		
T.P.	11678	312439	0455	300761		
T.P.	5694	314916	3217	309222		
STA. SHIELDS.	4611	314728	4599	310317	STA SHIELDS FIELD ELEV. 310.321 FROM PREVIOUS RUNS	
T.P.	8995	323185	0738	314190	1-4-57	
STA G-1	11791	327509	7467	315718		
STA. A-4	11163	333359	5313	322196		
F-3	11347	339365	5341	328018		
STA. A-3	9155	338002	10518	328847		
T.P.	8591	344791	1802	336200		
T.P.	11577	355041	1327	343464		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 030102 Division No. ____ F.B. 2254 Pg. 123
Date ____ Date ____ Survey of L.A.Co. PRECISE LEVEL NET (PORT BEND)
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes T. OHASHI Date 1-3-57
Date ____ Date ____ Map No. ____ Made by Johnson Date 1-11-57

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		355 041				
T.P.	11 967	366 636	0 372	354 669		
STA. RADIAL #1	1 752	366 516	1 872	364 764		
T.P.	0 482	355 901	11 097	355 419		
T.P.	0 486	344 632	11 755	344 146		
T.P.	0 618	334 118	11 132	333 500		
T.P.	1 292	323 855	11 555	322 563		
T.B.M. #23	6 960	321 820	8 995	314 860		
T.P.	11 497	331 645	1 672	320 148		
T.P.	10 852	342 304	0 193	331 452		
STA. A-2	4 692	344 508	2 488	339 816		
STA. A-1	1 387	344 877	1 018	343 490		
T.B.M. #22	7 291	350 964	1 204	343 673		
B.M. 50-12	6 581	355 626	1 919	349 045		
STA. B-2	11 505	359 306	7 825	347 801		
T.P.	10 712	368 496	1 522	357 784		
T.P.	11 615	379 724	0 387	368 109		
T.P.	11 558	390 985	0 297	379 427		
T.P.	7 682	398 007	0 660	390 325		
STA. D-2	6 747	400 261	4 493	393 514		
T.P.	11 717	409 461	2 517	397 744	STA. E-2 OUT (FELL INTO CRACK)	
T.B.M. #21	10 992	419 866	0 587	408 874		

F. B. 2254 Pg. 124

Job No. P 301.02 Division No. Notes Red. Plotted Profile

Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND) Date 1-4-57 Date No.

Survey by G.E. DREIER Notes G.E. DREIER Notes Chkd. Checked X-Sec.

Indexed K. C. Johnson Date Date No.

76298 S & E #307—7-55

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4-31-77

STATION	B. S.	H. I.	F. S.	ELEV.		
		419 866				
T.P.	11 304	430 079	1091	418775	S. RIM. CO. DRAIN M.H.	
T.P.	4810	433 563	1 326	428 753		
L.A.Co.R.D.Dept	1 792	433580	1 775	431 788	CONST. B.M.	
T.P.	10 528	439 280	4 828	428 752		
STA. E-1	11 246	446 598	3928	435352		1-4-57
T.P.	2911	444 816	4 693	441905		1-8-56
STA. D-1	6 852	444 167	7 501	437 315		
STA C-1	0 282	437 421	7 028	437 139		
T.P.	0 820	429 093	9148	428273		
T.P.	6 717	430 324	5486	423 607		
STA. B-1	3 151	426052	7423	422 901		
T.P.	5 297	426 130	5219	420 833		
STA B-1A	8 242	425740	8 632	417 498		
" B-1B	8 654	432 675	1719	424 021		
T.P.	11 182	443 178	0679	431996		
STA. B-1C	11 925	454255	0848	442330		
T.P.	11 793	463 100	2948	451 307		
T.P.	10152	472 461	0 791	462 309		
STA. B-1D			1 982	470 479		
STA. B-1B	3 893	427 914		424 021		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. ____ F.B. 2254 Pg. 125
X-Sec. No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND)
Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 1-8-57
Date ____ Date ____ Map No. ____ Date ____

76298 S & E #307—7-55

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		427 914				
T.B. [illegible]	6 398	426 750	7 562	420 352		
T.P.	0 191	419 062	7 879	418 871		
T.P.	0 215	407 295	11 982	407 080		
T.P.	1 533	397 556	11 273	396 023		
T.P.	0 277	387 657	10 176	387 380	SPK PAINTED "℄ INT."	ROSEAPPLE RD. AT PEPPERTREE DR. &
T.P.	2 322	378 590	11 389	376 268		
T.P.	4 370	374 478	8 482	370 108	NAIL PAINTED "INT"	RD. AT PEPPERTREE DR. & TANGERINE
T.P.	0 744	363 546	11 676	362 802		
T.P.	5 788	358 470	10 864	352 682		
STA. H-1	0 452	353 634	5 288	353 182		
T.P.	0 501	342 440	11 695	341 939		
STA. H-2	0 990	333 819	9 611	332 829		
T.P.	2 661	324 845	11 635	322 184		
STA. H-4	1 050	316 008	9 887	314 958		
T.P.	6 810	312 080	10 738	305 270		
T.P.	0 316	301 288	11 108	300 972		
T.P.	5 068	294 708	11 648	289 640		
STA I-3	8 971	296 436	7 243	287 465		
I-2	11 945	303 013	5 368	291 068		
T.P.	11 218	313 827	0 404	302 609		
T.P.	7 966	320 831	0 962	312 865		

F. B. 2254 Pg. 126

Job No. 030102 Division No. Notes Red. Plotted No. Profile

Survey of L.A. CO. PRECISE LEVELNET (PORT. BEND) Date 1-8-57 Date X-Sec.

Survey by G.E. DREIER Notes G.E.D. Notes Chkd. Checked

Indexed C. Johnson Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		320 831				
STA. I-1	1195	320 614	1 412	319 419		
T.P.	0 512	310 453	10 673	309 941		
T.P.	0 197	299 272	11 378	299 075		
T.P.	4 948	292 597	11 623	287 649		
T.P.	9 697	301 898	0396	292 201		
T.P.	8 534	309 428	1 004	300 894		
STA. BLAKESLEY	4 113	309 479	4 067	305 361		
T.P.	0 895	301 789	8 585	300 894		
T.P.	0 933	293 134	9 588	293 201		
T.P.	0 582	281 537	11 879	281 255		
T.P.	0 816	270 965	11 688	270 149		
T.P.	0 432	260 504	10 893	260 072		
T.P.	0 654	251 597	9 561	250 943		
STA. J-1A	1 539	242 209	10 927	240 670		
T.P.	0 628	237 003	5 834	236 375		
T.P.	0 379	227 879	9 503	227 500		
B.M. P.I. #17	1 004	217 444	11 439	216 440		
T.P.	0 555	210 470	7 529	209 915		
T.P.	3 542	202 308	11 704	198 766		
T.P.	4 121	201 098	5 331	196 977		
T.P.	4 319	199 509	5 908	195 190		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. ____ F. B. 2254 Pg. 127
Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND)
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 1-8-57
Date ____ Date ____ Map No. ____ Date ____ Date ____

76298 S & E #307—7-55

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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	B. S.	H. I.	F. S.	ELEV.		
		199 509				
B.M. 34-17A	5888	200063	5334	194175		
T. P.	6599	202292	4370	195693		
T. P.	6066	203398	4960	197332		
T. P.	6447	205204	4641	198757		
T. P.	4117	204947	4374	200830		
STA. D	8479	206364	7062	197885		
T. P.	11430	215277	2517	203847		
STA. J-1	9217	223946	0548	214729		
T. P.	11363	232597	2712	221234		
STA. J-3			7789	224808	20± + 4482 220± - 4113 +0.369	220± + 7099 20± - 6737 0.362
STA. J-4	1290	226463		225173		
T. P.	1245	217235	10473	215990	224.808 +0.365. MEAN 225.173.	
RADIAL #2	4959	211081	11113	206122		
T. P.	2346	206636	6791	204290		
STA. J 5	11543	216061	2118	204518		
T.B.M. #24	9162	224255	0968	215093		
T. P.	11107	234786	0576	223679		
STA G-2			0735	234051		
T.B.M. #24	0900	215993		215093		
T. P.	2477	208381	10089	205904		

F. B. 2254 Pg. 128

Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile

Survey of L.A. Co. PRECISE LEVEL NET PORT. BEND Date Date No.

Survey by G. E. DREIER Notes J. A. MOODY Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date 1-8-57 Date Date No.

76298 S & E #307—7-55

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		208 381				
T.B.M #15	7618	209 190	6809	201 572		
T.P.	6 578	211 789	3979	205211	OK No Adj	
B.M 50-13			3914	207 875	B.M. 50-13 ELEL. 207.868, F.B. 2400-22	
					PALOS VERDES DRS.& CRENSHAW BLVD.	
STA K-5	6 218	142 258		136 040	FIELD ELEV. 136.040	
T.P.	1 222	133 962	9 518	132 740		
T.P.	0 632	123 190	11 434	122 528		
T.P.	0 339	111 529	11 973	111 190		
T.P.	1771	101 469	11 831	99 698		
T.P.	3628	94 775	10322	91 147		
STA. K-4	1413	88 809	7379	87 396		
T.P.	1789	80 355	10 243	78 566		
T.P.	0408	70 339	10 424	69 931		
T.B.M #28	0518	61 974	8 883	61 456		
T.P.	0 805	52 477	10 302	51 673		

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. ____ F.B. 2254 Pg. 129
No. ____ Date ____ Date ____ Survey of L.A.Co. PRECISE LEVEL NET (PORT BEND)
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 1-9-57
No. ____ Date ____ Date ____ Map No. ____ Indexed ____ Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		52 477				
T.P.	1 006	41 572	11 911	40 566		
T.P.	2 258	32 427	11 403	30 169		
T.P.	1 199	30 399	3 277	29 200		
T.P.	0 384	19 057	11 726	18 673		
B.M. P.B. #7	5 378	17 161	7 274	11 783		
T.P.	4 639	17 912	3 888	13 273		
CLUTE #5			10 948	6 964	CHISELED "X" ON CONC TO BEACH NEAR LIFE GAUGE STAND PAINTED YELLOW "LINE ONLY CLUTE #3"	
T.P.	6 050	17 199	6 763	11 149		
"	0 847	14 238	3 808	13 391		
B.M. P.B. #8			6 278	7 960		
B.M. P.B. #7	1 652	13 435		11 783		
T.P.	2 268	7 357	7 846	5 589		(CLUTE WANTS THIS ELEV.)
			5 043	2 414	ROCK 1 FT. S. OF PELICAN POLE	
B.M. P.B. #6A	7 628	8 018	7 467	0 390		
" P.B. #6	9 868	16 477	1 399	6 619		
T.P.	11 014	16 710	11 391	5 096	2X2 ON CLUTE LINE #2	
T.P.	2 433	6 [illegible]	11 899	4 211		
B.M. P.B. #5A	10 353	11 147	5 905	0 794		
B.M. P.B. #5	1 911	10 601	2 457	8 690		

F. B. 2254 Pg. 130

Job No. 0301.02 Division No. Notes Red. Plotted Profile

Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND) Date 1-9-57 Date No. X-Sec.

Survey by G.E. DREIER Notes G.E. DREIER Notes Chkd. Checked

Indexed C. Johnson Date Date Date No.

76298 S & E #307—7-55

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		10 601				
B.M.P.B.#4	7 107	10 616	7 092	3 500		
B.M.P.B.#3	5 729	10 650	5695	4921		
T.P.	10 335	13 920	7065	3585		
B.M.P.B.#2	5 208	16 225	2903	11 017		
T.P.	6 159	11 812	10 572	5 653		
T.P.	8 378	14 302	5 888	5 924		
B.M.P.B.#1	11 390	19 010	6 682	7 620		
T.P.	3 104	19 516	2 598	16 412		
T.P.	5 579	21 728	3 367	16 149		
T.B.M.#26	5 943	23 232	4439	17 289		
	5 778	24 678	4 332	18 900		
	11 699	34 005	2 372	22 506		
STA K-2	6 336	39 136	1 205	32 800		
T.B.M.#27	7 338	42 266	4 208	34 928		
STA. K-3	11 444	49 808	3 902	38 364		
T.P.	10 232	59 764	0276	49 532		
T.P.	8 381	64 527	2 618	57 146		
T.B.M.#28	3397	64 877	3047	61 480		
T.P.	10 034	74 203	0 708	64 169		
T.P.	10 999	83 155	2 047	72 156		
T.P.	11 193	93 999	0 349	82 806		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 301.02 Division No. ____ F.B. 2254 Pg. 131

X-Sec. No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND)

Notes Chkd. ____ Checked ____ Survey by G.F. DREIER Notes G.E.D. Date 1-9-57

Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

76298 S & E #307—7-55

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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	B. S.	H. I.	F. S.	ELEV.		
		73 999				
T.P.	10 305	102 873	.1411	92588		
T.P.	11 859	114 475	.0277	102616		
T.P.	9 751	123 978	.0248	114227		
T.B.M. # 25	8902	131 695	.1185	122793		
T.P.	11 025	142 062	.0658	131037		
T.P.	11 359	151 810	.1611	140451		
T.P.	11 762	163 101	.0471	151339		
T.P.	11 781	173 814	.1068	162033		
T.P.	11 977	185 370	.0421	173393		
T.P.	11 675	196 067	.0978	184392		
T.P.	11 784	207 514	.0337	195730		
T.P.	8 576	214 470	.1620	205894		
STA. K-1	0 788	214452	.0806	213664		
T.P.	1 259	207 153	8.558	205894		
T.P.	3 186	198 914	.11 425	195728		
B.M. 34-17A	5717	199894	.4737	194177		
T.P.	6142	200808	.5228	194666		
T.P.	5519	201 389	.1938	195870		
T.P.	2438	196 751	.7076	194313		
T.P.	0733	189 178	.8306	188445		
T.P.	0372	179 198	.10352	178826		

F. B. 2254 Pg. 132 | Job No. 030103 | Division No. | Notes Red. | Plotted | No. | Profile

Survey of L.A. Co. PRECISE LEVEL NET (PORT HUENEME) | Date 1-9-57 | Date | X-Sec.

Survey by G.E. DREIER | Notes G.E.D. | Notes Chkd. | Checked | No.

Indexed K. C. Johnson | Date | Date | Date

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		179198				
B.M. 34-18	3 832	172492	10 538	168 660	B.M. 34-18	SEE F.B. 1355-22
RD. B.M.			6 916	165576	NAIL IN L. IN BOTTOM, STEP BLDG.	

Profile Notes Red. ____ Plotted ____ Job No. 030102 Division No. ____ F. B. 2254 Pg. 133

No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET (PART. BEND)

X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E.D. Notes G.E.D. Date 1-9-57

No. ____ Date ____ Date ____ Map No. ____ Inspected C. Johnson Date ____

76298 S & E #307—7-55

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Do not extend notes this side of this line.

640
521
.12

STATION	B. S.	H. I.	F. S.	ELEV.		
B.M. 50-13	2566	210434		207 868	B.M. 50-13 ELEV. 207.868 F.B. 2400-22 PALOS VERDES DR. S. & CRENSHAW BLVD.	
T.P.	2709	207 916	5 227	205207		
T.B.M. # 15	7057	208 581	6392	201524	1-3-57 = EL. 201.640	
T.P.	9868	215 697	2 752	205829		
T.B.M. #24	9371	224 405	0 663	215 034		1-3-57 = 215.179
T.P.	11 231	234828	0808	223 597		
STA. G-2			0884	233944		1-3-57 = 234.192
T.B.M. #24	1051	216085		215 034		
STA. J-5	4658	209 132	11 611	204474		
T.P.	8002	211 647	5487	203645		
STA. RADIAL 2	10668	216768	5547	206100		1-3-57 = 206.179
T.P.	10659	226628	0799	215969	20FT. + 4.574 DIFF. - 0.378	+ 4.071 - 0392
STA. J-4			1510	225118	- 4952	- 4463
				- 0385 = MEAN DIFF		
STA. J-3	7850	232583		224733		
T.P.	2432	223596	11419	221164		
STA. J-1	0614	215274	8936	214660		
T.P.	1502	205305	11471	203803		
B.M. "D"	6471	204365	7411	197894		
T.P.	11722	215056	1031	203334		
T.P.	8973	223690	0339	214717		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. ____ F.B. 2254 Pg. 135
X-Sec. No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND)
Notes Chkd. [illegible] Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 1-13-57
Date ____ Date ____ Map No. ____ Indexed Johnson Date 1-15-57

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		223 690				
B.M. P.I. #17	11 617	228014	7 293	216 397		
T.P.	11 204	238 648	0 570	227 444		
T.P.	7 742	244 051	2 339	236 309		
STA. J-1A			3 458	240593		
B.M. P.I. #17	1 652	218 049		216 397		
T.P.	0 611	210 474	8 186	209 863		
T.P.	3 418	202 120	11 772	198 702		
T.P.	4 206	201 495	4 831	197 289		
T.P.	4 648	200 456	5 687	195 808		
B.M. 34-17A	4 707	198 896	6 267	194 189		
T.P.	11 548	207 286	3 158	195 738		
T.P.	9 154	215 085	1 335	205 931		
STA. K-1	1.622	215 294	1 413	213 672		
T.P.	1 409	207 311	9392	205902		
T.P.	0448	196185	11 574	195737		
T.P.	0310	184 706	11789	184396		
T.P.	0286	173682	11310	173396		
T.P.	0757	162805	11 634	162048		
T.P.	0273	151 597	11 481	151 324		
	2622	143040	11179	140418		

F. B. 2254 Pg. 136 Job No. 630102 Division No. 10 Notes Red. Plotted No. Profile
Survey of LA Co. PRECISE LEVEL NET (PORT BEND) Date 1-13-57 Date No. X-Sec.
Survey by G.E. DREIER Notes J.A. MOODY Notes Chkd. Checked No.
Indexed B. C. Johnson Date 1-1 Date Date

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		143 040				
T.P.	0826	131 873	11 993	131 047		
T.B.M. #25	0924	123730	9067	122806		
T.P.	0334	114 575	9489	114241		
T.P.	0531	103109	11 997	102578		
T.P.	1317	93 888	10 538	92571		
T.P.	0752	83 503	11 137	82751		
T.P.	1327	73 487	11343	72160		
T.P.	3137	64 856	11 768	61719		
T.B.M. #28	10503	71 975	3384	61472		
T.P.	11371	82206	1140	70835		
T.P.	8683	90 319	0570	81636		
Sta. K-4	7478	94 863	2934	87385		
T.P.	10231	101366	3728	91135		
T.P.	11707	111 430	1643	99723		
T.P.	11845	123064	0211	111219		
T.P.	11494	134047	0511	122553		
T.P.	8478	141 247	1278	132769		
Sta. K-5			5183	136064	Sta K-5, Field Elev 136.040	Mean of Early Runs

No Adj JM

Profile Notes Red. ____ Plotted ____ Job No. 030102 Division No. 10 F. B. 2254 Pg. 137
No. ____ Date ____ Date ____ Survey of LACO PRECISE LEVEL NET (PORT BEND)
X-Sec. Notes Chkd. JM Checked ____ Survey by G.E. DREIER Notes J. Moore Date 1-13-57
No. ____ Date ____ Date ____ Map No. ____ Indexed G. Johnson Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
B.M. 50-13 ✓	3477	211345		207 868	B.M. 50-13 ELEV 207.868 F.B. 2400-22 PALOS VERDES DR. S. & CRENSHAW BLVD.	
T.P.	2079	201865	11559	199786		
T.P.	0309	192505	9669	192196		
T.P.	0689	181440	11754	180751		
T.P.	0544	170326	11658	169782		
T.P.	0419	159003	11742	158584		
T.P.	0352	147897	11458	147545		
STA. K-5	5733	141772	11858	136039		
T.P.	1198	133942	9028	132744		
T.P.	0577	123106	11413	122529		
T.P.	0443	111636	11913	111193		
T.P.	0924	100621	11939	99697		
T.P.	3257	94360	9518	91103		
STA. K-4	2960	90311	7009	87351		
T.P.	0351	81955	8707	81604		
T.P.	0628	71425	11158	70797		
TBM #28	0601	62035	9991	61434		
T.P.	0671	52278	10428	51607		
T.P.	0885	41384	11779	40499		
T.P.	2262	32400	11246	30138		
T.P.	1252	30450	3202	29198	CONT.	

F. B. 2254 PG. 138

Job No. 030102 Division No. ____ Notes Red. ____ Plotted ____ Profile ____

Survey of L.A. Co. PRECISE LEVEL NET. (PORT. BEND) Date 1-14-57 Date ____ No. ____

Survey by G.E. DREIER Notes T. OHASHI Notes Chkd. ____ Checked ____ X-Sec. ____

Indexed A. C. Johnson Date ____ Date ____ Date ____ No. ____

76298 S & E #307—7-55

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		30 450				
T.P.	0399	19 066	11783	18667		
BM.P.B. #7	5448	17232	7282	11 784		
T.P.	4614	17 908	3 938	13 294		
T.P.	6 139	17 316	6 731	11 177		
T.P.	0671	14 094	3 893	13 423		
BM. P.B. #8			6 093	8 001		
BM. — P.B. #1	1354	13 138		11 784		
T.P.	2 079	7 667	7 550	5 588		
T.P.	5182	10 497	2 352	5315	(INACCESSIBLE AT [illegible] TIDE)	
BM. P.B. #6	9807	16 491	3 813	6684	+ 2.278 ⊼ 8.962 − 8.578 =	0.384 ELEV. P.B-6A
T.P.	9448	16 129	9 810	6681 *		
T.P.	1108	5 569	11668	4461		
BM.P.B. #5-A	10 502	11 273	4 798	0 771		
BM.P.B. #5	1691	10 350	2 614	8659		
BM.P.B. #4	6604	10 056	6 898	3 452		
BM. P.B. #3	6337	11 197	5 196	4 860		
T.P.	9181	15 280	5098	6 099		
BM. P.B. #2	5131	16 117	4 294	10 986		
T.P.	7 858	12 091	11 884	4233		
T.P.	8997	14 851	6 237	5 854		

Profile Notes Red. ____ Plotted ____ Job No. 030102 Division No. ____ F. B. 2254 Pg. 139
No. ____ Date ____ Date ____ Survey of L.A.Co. PRECISE LEVEL NET (PORT BEND)
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes TOHASHI Date 1-14-57
No. ____ Date ____ Date ____ Map No. ____ Date 1-21-57

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		14 851				
BM. P.B #1	10458	18 008	7 301	7550		
T.P.	3201	19 535	1 674	16334		
T.P.	5548	21 628	3 455	16080		
TBM #26	5975	23 172	4 431	17197		
T.P.	5572	24 386	4 358	18814		
T.P.	11615	33 845	2 156	22230		
STA. K-2	6407	39 078	1 174	32671		
TBM #27	7337	42 187	4 228	34850		
STA. K-3	11404	49 565	4 026	38161		
T.P.	10090	59 450	0205	49360		
T.P.	7588	64 556	2 482	56968		
T.BM. #28			3162	61394	ELEV THIS A.M. PER PAGE	= 61.434

F. B. 2254 Pg. 140 Job No. 030102 Division No. Notes Red. Plotted Profile
Survey of L.A. Co PRECISE LEVEL NET (PORT. BEND) Date 1-14-57 Date No. X-Sec.
Survey by G.E. DREIER Notes T. OHASHI Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.
B.M. P.B-6	11054	17738		6684
T.P.	8734	25510	0962	16776
STA. 0+00	0768	23772	2506	23004
" 0+50			4050	19722
" 1+00			6658	17114
" 1+50			8098	15674
2+00 T.P.	3188	15529	11431	12341
2+[illegible]			4658	10871
3+00			5457	10072
3+25			5226	10303
3+50			5757	9772
4+00			5258	10271
4+50			4823	10706
5+00			3833	11696
T.P.			5191	10338

Where are these sta's.

Profile Notes Red____ Plotted____ Job No.____ Division No.____
No.____ Date____ Date____ Survey of____
X-Sec. Notes Chkd.____ Checked____ Survey by____ Notes____ Date____
No.____ Date____ Date____ Map No.____ Notes____ Date____

F. B. 2254 Pg. 141

76P526 S & E #379 1-54

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G.E. DREIER Weather CLOUDY Inst. No. 50010
Notes by G.E. DREIER Time 8:00 TO 10:00 Rod No. 11812

Name L.A. CO. PRECISE LEVEL NET (PORTUGUESE BEND)
Job No. 0301.02
From B.M. 34-21 To B.M. 34-18
Date 1-16-57
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	7.272		201.		#11	5.779		.181		B.M. 34-21
	7.071		199.			5.598		.182		PALOS VERDES DR. S. & PACKET RD.
	6.872		400.			5.416		.363		SEE F.B. 1355-25 FOR DESC.
1	21.215	7.072		400.	56°	16.793	5.598		363	
	8.067		192.			2.617		186		
	7.875		189.			2.431		.186		⊼ J. MOODY
	7.686		381.			2.245		.372		
2	23.628	7.876		.781		7.293	2.431		.735	
	8.602		189			5.101		189		
	8.413		189.			4.912		.190		NOTE. THIS RUN MADE WITH
	8.224		378			4.722		379		FIRST ORDER PRECISE METHOD
3	25.239	8.413		1.159		14.735	4.912		1.114	TO VERIFY SINKING OF B.M. 84-18 AND B.M. 34-17A
	3.028		193			11.332		190		
	2.835		193			11.142		188.		
	2.642		386			10.954		378		
4	8.505	2.835		1.545		33.428	11.143		1.492	
	0.509		121			11.219		128		
	0.388		120			11.091		132		
	0.268		241			10.959		260		
5	1.165	0.388		1.786		33.269	11.090		1.752	
		26.584					35.174			

F.B. 2254 P.G. 142

76P526 S & E #379 1-54

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Chief of Party G.E. DREIER Weather CLOUDY Inst. No. 50010
Notes by G.E. DREIER Time 8:00 TO 10:00 Rod No. 11812

Name L.A. Co. PRECISE LEVEL (PORT. BEND)
Job No. 030102
From B.M. 34-21 To B.M. 34-18
Date 1-10-57
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	0.540	26.584	115	1.786		11.188	35.174	129	1.752	
	0.425		115			11.059		125		
	0.310		230			10.934		254		
6	1.275	0.425		2.016		33.181	11.060		2.006	
	2.811		186			10.638		186		
	2.625		186			10.452		182		
	2.439		372			10.270		368		
7	7.875	2.625		2.388		31.360	10.453		2.374	
	0.699		185			10.728		187		
	0.514		183			10.541		183		
	0.331		368			10.358		370		
8	1.544	0.515		2.756		31.627	10.542		2.744	
	0.585		186			10.651		183		
	0.399		183			10.468		185		
	0.216		369			10.283		368		
9	1.200	0.400		3.125		31.402	10.467		3.112	
	2.218		119			8.951		123		
	2.099		118			8.828		122		
	1.981		237			8.706		245		
10	6.298	2.099		3.362		26.485	8.828		3.357	
		32.648					86.524			

F.B. 2254 P.G. 144

76P526 S & E #379 1-54

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DO NOT EXTEND NOTES THIS SIDE OF LINE

Chief of Party G.E. DREIER Weather CLOUDY Inst. No. 50010
Notes by G.E. DREIER Time 8:00 TO 10:00 Rod No. 11 & 12

Name L.A.Co. PRECISE LEVEL NET (PORT. BEND)
Job No. 0301.02
From B.M. 34-21 To B.M. 34-18
Date 1-10-57
Indexed E. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	0.671	32.648	186	3.362		9.801	86.524	183	3.357	
	0.485		186			9.618		183		
	0.299		372			9.435		365		
11	1.455	0.485		3.734		28.854	9.618	6	3.722	
	2.805		188			6.899		192		
	2.617		189			6.707		194		
	2.428		377			6.513		386		
12	7.850	2.617		4.111		20.119	6.706		4.108	+ 41.095 / - 109.282 / - 68.187 / B.M. 34-21 235.187 - 68.187 ELEV. 167.000
	5.559		217			6.639		206		
	5.345		213			6.433		202		
	5.132		427			6.231		408		
13	16.036	5.345		4.538		19.303	6.434		4.517	
		41.095					109.282			T.B.M. #31 PALOS VERDES DR. S. & ENTRANCE TO WAYFARES CHAPEL, L.&T IN S CURB OF CENTER DIVIDER 1 FT. E. OF E. END CURB RETURN
	4.619		167			6.723		164		
	4.452		164			6.559		161		
	4.288		331			6.398		325		
14	13.359	4.453		4.869		19.680	6.560		4.842	
		45.548					115.842			

F.B. 2254 P.G. 145

76P526 S & E #379 1-54

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Chief of Party G. E. DREIER Weather PART CLOUDY Inst. No. 50010
Notes by G. E. DREIER Time 8:00 TO 10:00 Rod No. 11 812

Name L.A.Co. PRECISE LEVEL NET PORT. BEND
Job No. 0301.02
From B.M. 34-21 To B.M. 34-18
Date 1-10-57
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
	4.323	45.548	181	4.869		6.411	115.842	207	4.84 2	
	4.142		180			6.204		205		
	3.962		361			5.999		412	4	
15	12.427	4.142		5.230		18.614	6.205		5.25 8	
	4.838		182			6.459		198		
	4.656		184			6.261		197		
	4.472		376			6.064		395	9	
16	13.966	4.655		5.606		18.784	6.261		5.64 8	
	4.902		184			6.433		222		
	4.718		186			6.211		220		
	4.532		370			5.991		442	1	
17	14.152	4.717		5.976		18.635	6.212		6.09 2	
	4.501		152			6.213		114		
	4.349		150			6.099		110		
	4.199		302			5.989		224	5	
18	13.049	4.350		6.278		18.301	6.100		6.31 4	
	4.282		198			4.459		148		
	4.084		196			4.311		152		
	3.888		394			4.159		300	5	
19	12.254	4.085		6.672		12.929	4.310		6.61 4	
		67.497					144.930			

F.B. 2254 P.G. 146

76P526 S & E #379 1-54

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Chief of Party G.E. DREIER Weather PART CLOUDY Inst. No. 50010
Notes by G.E. DREIER Time 8:00 TO 10:00 Rod No. 11 & 12

Name L.A.Co. PRECISE LEVEL NET (PORTUGUESE BEND)
Job No. 030102
From B.M. 34-21 To B.M. 34-18
Date 1-10-57
Indexed A. C. Johnson

Number of Station	BACKSIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	B.S. Rod and Temp.	FORESIGHT Thread Readings	Mean	Thread Intervals	Sum of Intervals	DESCRIPTION AND REMARKS
	8631	67.497	177	6.672		0.812	144.930	157	6.614	
	8.454		175			0.655		157		
	8.279		352			0.498		314	9	
20	25.364	8.455		7.024		1.965	0.655		6.928	
		75.952					145.585			ROAD DEPT. B.M. PALOS VERDES DR. S. & NARCISSA DR., N.E. COR., B.M. NAIL IN LEAD IN BOTTOM STEP OF ENTRANCE TO BLDG.
	5237		036			2.187		070		
	5.201		038			2.117		069		B.M. 34-18
	5.163		074			2.048		139	8	PALOS VERDES DR. S. & NARCISSA DR.
21	15.601	5.200		7.098		6.352	2.117		7.067	SEE F.B. 1355-22 FOR DESC.
										SUMMATION OF RUN B.M. 34-21 TO B.M. 34-18
										TOTAL BACKSIGHTS + 81.152
										TOTAL FORESIGHTS - 147.702
										DIFF IN ELEVATION - 66.550
		81.152					147.702			DIFF PER F.B. 1355- - 66.507
										APPARENT SETTLEMENT OF 34-18 - 0.043

F.B. 2254 P.G. 147

76P526 S & E #379 1-54

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Chief of Party G.E. DREIER Weather Inst. No.
Notes by Time Rod No.

Name L.A. Co. PRECISE LEVEL NET
Job No.
From To
Date
Indexed

Number of Station	BACKSIGHT Thread Readings	BACKSIGHT Mean	BACKSIGHT Thread Intervals	BACKSIGHT Sum of Intervals	B. S. Rod and Temp.	FORESIGHT Thread Readings	FORESIGHT Mean	FORESIGHT Thread Intervals	FORESIGHT Sum of Intervals	DESCRIPTION AND REMARKS
										BM 34-21 53' Adj. 235.187
										34-18 168.680

F.B. 2254 P. 148

76298 S & E #307—7.55

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STATION	B. S.	H. I.	F. S.	ELEV.	
STA. B-1D	0 952	471 427		470.475	STA. B-1D FIELD ELEV. 470.475 MEAN OF
T.P.	0 348	460 413	11 362	460 065	PREVIOUS RUNS
T.P.	0 239	449 044	11 608	448 805	
T.P.	0 321	438 403	10 962	438 082	
T.P.	0 732	428 204	10 931	427 472	
T.P.	0 622	417 705	11 121	417 083	
T.P.	5 297	412 792	10 210	407 495	
T.P.	4 438	410 573	6 657	406 135	
T.P.	5 177	409 002	6 748	403 825	
B.M. P.B. #9	4 586	408 721	4 867	404 135	B.M. P.B. #9 NARCISSA DR. & VANDERLIP DR., IN CENTER ISLAND 12 FT W. OF 3' EUCALYPTUS TREE IN A STD. PRECAST MON. STAMPED "B.M. P.B. 9 1957 R.E. 5869", 2" ABOVE SURFACE
T.P.	6 731	411 213	4 239	404 482	
T.P.	6 452	413 374	4 291	406 922	
T.P.	6 064	414 559	4 879	408 495	NARCISSA DR. & SWEETBAY RD. ℄ INT. SPK & T. PAINTED "INT."
T.P.	6 671	416 282	4 948	409 611	
T.P.	2 159	413 067	5 374	410 908	
T.B.M. #30	0 511	405 835	7 743	405 324	NARCISSA DR & CINAMON LANE & GINGER ROOT N.E. COR., BOAT SPK IN ROCK CULVERT HEADWALL
T.P.	7 058	406 528	6 365	399 470	
T.P.	6 187	408 524	4 191	402 337	
T.P.	6 223	410 319	4 428	404 096	NARCISSA DR. & PLUM TREE RD. ℄ INT. NAIL IN PAVEMENT PAINTED "℄ P.I."
T.P.	5 848	411 956	4 211	406 108	
T.P.	8 138	416 067	4 027	407 929	

Profile Notes Red. ____ Plotted ____ Job No. 030102 Division No. ____ F.B. 2254 Pg. 149
No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND)
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes G.E.P. Date 1-11-57
No. ____ Date ____ Date ____ Map No. ____ Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.	
		416 067			
T. P.	10571	426 311	0 327	415740	
R.M. No. 1 S.P. HILLS G-7	5011	426643	4 679	421 632	SAN PEDRO HILLS G-7, R.M. No. 1 1956
S.P. HILLS G-7	5931	426646	5928	420715	SAN PEDRO HILLS G-7 1956
R.M. NO 2 S.P. HILLS G-7	5751	422 499	4898	421748	" " " " R.M. No. 2 1956
T. P.	2091	413 462	11 128	411 371	
T. P.	0775	402 534	11 703	401 759	
T. P.	0386	391 737	11 183	391 351	
T. P.	3328	384 464	10 601	381 136	
T. P.	3791	380496	7 759	376705	
T. P.	0251	373160	7587	372909	NARCISSA DR. & GINGER ROOT LANE, ℄ INT. SPK & TIN PAINTED "℄ P.I."
T. P.	0218	362162	11216	361944	
T. P.	0300	351 103	11359	350863	
T. P.	1958	342599	10462	340641	NARCISSA DR & CINNAMON LANE W. SPK. PAINTED, "℄ P.I."
T. P.	0388	335920	7067	335532	NARCISSA DR. & FIGTREE RD. BT. SPK. & TIN PAINTED "℄ P.I."
T. P.	0325	324754	11491	324429	
T. P.	0248	313494	11508	313246	
T. P.	0459	302528	11425	302069	
T. P.	0475	291519	11484	291044	NARCISSA RD. IN FRON OF LOT #24 W. SPK. PAINTED "B.C." 25 FT. NORTH OF FIRE HYDRANT
T. P.	2917	283009	11427	280092	
B.M. P.B. #10	1661	281193	3477	279532	NARCISSA DR. AT W'LY SIDE OF CURVE ± 600 FT N'LY FROM WAYFARERS CHAPEL, A STD. PRECAST MON. STAMPED "B.M. P.B. 10 1957 RE 5869", 4 FT. N'LY FROM ROCK WALL. (PROMINENT ROCK CHISELED "B.M. 5")
T. P.	0416	269725	11884	269309	

F. B. 2254 Pg. 150

Job No. 030102 Division No. Notes Red. Plotted Profile

Survey of L.A.Co. PRECISE LEVEL NET (PORT. BEND) Date 1-15-57 Date No.

Survey by G.E. DREIER Notes T. OHASHI Notes Chkd. Checked X-Sec.

Indexed K. C. Johnson Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		269 725				
T. P.	0632	259 743	10614	259 111		
T. P.	0507	248 826	11424	248319		
T. P.	0392	237 662	11556	237270		
T. P.	0393	226 818	11237	226425		
T. P.	0278	215 395	11701	215117		
B.M. W F-1	0578	211 050	4923	210472	B.M. WAYFARER 1 (WF-1) AT WAYFARERS CHAPEL, SQ. SPK STAMPED "WF 1" IN MOST N.W'LY. COR. OF BOTTOM STEP	
T. P.	0282	199 529	11803	199247		
T. P.	0379	188 677	11231	188298		
T. P.	0462	177 746	11293	177284		
B.M. "F"	2275	170092	9929	167817	B.M. "F" "L.A. Co. RD. DEPT. 1954" (ELEV 167.855 ON MARKER) PALOS VERDES DR. S. & ENTRANCE TO WAYFARERS CHAPEL, N.E. COR., BRASS DISC STAMPED "L.A. CO. RD. DEPT 1954" IN CONES DEEP, FT N. OF AND FT E. OF CENTER OF ST.	
T.B.M. #31			3078	167014	T.B.M. #31 ELEV. 167.000 PER A.B. 2254-145 PALOS VERDES DR. S. & ENTRANCE TO WAYFARERS CHAPEL, L. & T. IN S. CURB OF CENTER DIVIDER 1 FT. E. OF E. END OF CURB RETURN	

Profile Notes Red.____ Plotted____ Job No. 030123 Division No.____ F. B. 2254 Pg. 151
No.____ Date____ Date____ Survey of L.A. Co. PRECISE LEVEL NET (PART BENC)
X-Sec. Notes Chkd.____ Checked____ Survey by G.E. DREIER Notes T. OWSEY Date 1-15-57
No.____ Date____ Date____ Map No.____ Chkd. J. JOHNSON Date____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
STA. SHIELDS	5013	315334		310321	STA. SHIELDS ——	FIELD ELEV. 310.321 MEAN OF EARLIER RUNS
T. P.	8836	323029	1141	314193		
STA. G-1	11505	327227	7307	315722		
STA. A-4	11573	333773	5027	322200		
STA. F-3	11012	338747	6038	327735		
STA. A-3	8707	337435	10019	328728		
T. P.	8852	344965	1322	336113		
T. P.	11418	354803	1580	343385		
T. P.	11798	366419	0182	354621		
RADIAL #1	2111	366788	1742	364677		
T. P.	0298	355648	11438	355350		
T. P.	5618	353364	7902	347746		
BM. 50-12	5044	353952	4456	348908		
STA. B-2	11601	359238	6315	347637		
T. P.	11043	368601	1680	357558		
T. P.	11718	379526	0793	367808		
T. P.	11342	390470	0398	379128		
T. P.	8135	398152	0453	390017		
STA. D-2	6554	399724	4982	393170		
T. P.	11929	408768	2885	396839		
T. BM. #21	10832	419323	0277	408491	S. RIM STORM DRAIN MANHOLE	

F. B. 2254 PG. 152 Job No. 0301.02 Division No. Notes Red. Plotted Profile
Survey of L.A. Co PRECISE LEVEL NET (PORT. BEND) Date 1-16-57 Date No. X-Sec.
Survey by G.E. DREIER Notes T. OHASHI Notes Chkd. Checked
Indexed [illegible] Date Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		419323				
T. P.	11937	430712	0548	418775		
T. P.	4692	433446	1958	428754		
L.A. Co. Rd. Dept. T.B.M	1688	433477	1657	431789	L.A. Co. Rd. Dept. Const. T.B.M.	IN P.P.
T. P.	9574	438325	4726	428751		
STA. E-1	10432	445785	2972	435353		
T. P.	3138	445055	3868	441917		
STA. D-1	7291	444611	7735	437320		
T. P.	10363	447024	7950	436661		
STA. C-1	1799	438792	10031	436993		
T. P.	1058	429255	10595	428197		
T. P.	6672	430130	5797	423458		
STA. B-1	3592	426349	7373	422757		
T. P.	5372	426089	5632	420717		
STA. B-1A	8872	426273	8688	417401		
STA. B-1B	8725	432603	2395	423878		
T. P.	11831	443849	0585	432018		
STA. B-1C	11873	454204	1518	442331		
T. P.	11757	463073	2888	451316		
T. P.	9237	471548	0762	462311		
STA. B-1D	1091	471563	1076	470472		
T. P.	0372	460433	11502	460061		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. ____ F. B. 2254 Pg. 153
X-Sec. No. ____ Date ____ Date ____ Survey of L.A. Co. Precise Level Net (Port. Bend)
Notes Chkd. ____ Checked ____ Survey by G.E. Dreier Notes T. Owashi Date 1-16-57
Date ____ Date ____ Map No. ____ Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		460 433				
T.P.	0582	449 397	11618	448815		
T.P.	0194	438 271	11320	438077		
T.P.	0717	428 186	10802	427469		
T.P.	0557	417 636	11107	417079		
T.P.	5163	412 661	10138	407498		
T.P.	4310	410 436	6535	406126		
T.P.	4779	408 600	6615	403821	NARCISSA DR. & VANDERLIP DR.	
BM.P.B. #9	4600	408 726	4474	404126		
T.P.	6818	411 292	4252	404474		
T.P.	6467	413 375	4384	406908	NARCISSA DR & SWEETBAY RD.	
T.P.	6061	414 542	4894	408481	W SPK & TIN PAINTED "INT."	
T.P	6408	416 004	4946	409596		1-17-57
TP	1814	412 709	5109	410895	NARCISSA DR & CINNAMON LANE N.E. COR.	
TBM #30	0808	406 113	7404	405305	BT. SPK IN CULVERT HEADWALL	
T.P.	6851	406 303	6661	399452		
T.P.	6156	408 481	3978	402325	NARCISSA DR. & PLUM TREE RD.	
T.P.	6143	410 218	4406	404075	NAIL PAINT "℄ P.I."	
T.P.	6020	412 107	4131	406087		
T.P.	8011	415 927	4191	407916		
T.P.	10618	426 353	0192	415735		
RM. #1	5016	426 638	4731	421622		

F. B. 2254 Pg. 154 Job No. 030102 Division No. Notes Red Plotted Profile
Survey of L.A.Co. PRECISE LEVEL NET (PORT. BEND) Date 1-16-57 Date No. X-Sec.
Survey by G.E. DREIER Notes T. OHASHI Notes Chkd. Checked
Indexed A. C. Johnson Date Date No.

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
SAN PEDRO		426 638				
HILLS G-7	5942	426 648	5932	420706		
RM. #2	0718	422 454	4912	421 736		
T.P.	1991	413 358	11087	411367		
T.P.	0367	402 126	11599	401759		
T.P.	0592	391 936	10782	391344		
T.P.	3366	384 497	10805	381131		
T.P.	3911	380 626	7782	376715		
T.P.	0232	373 140	7718	372908	NARCISSA DR & GINGER ROOT LANE W. SPK & TIN "PAINTED & P.I."	
T.P.	0195	362 136	11199	361941		
T.P.	0239	351 032	11343	350793		
T.P.	2219	342850	10401	340631	NARCISSA DR & CINNAMON LANE W. SPK. "PAINTED & P.I."	
T.P.	0470	335993	7327	335523	NARCISSA DR. & FIGTREE RD. BT. SPK & TIN "PAINTED & P.I."	
T.P.	0335	324746	11582	324411		
T.P.	0287	313 521	11512	313234		
T.P.	0402	302454	11469	302052		
T.P.	0583	291 609	11428	291026	NARCISSA DR. IN FRONT OF LOT #24, 25' NORTHERLY OF FIRE HYDRANT W. SPK. PAINTED "B.C."	
T.P.	2783	282855	11537	280072		
BM P.B #10	1478	281000	3333	279522		
T.P.	0677	269973	11704	269296		
T.P.	0987	260088	10872	259101		
T.P.	0537	248845	11780	248308		

Profile Notes Red. ____ Plotted ____ Job No. 0301/02 Division No. ____ F. B. 2254 Pg. 155
No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET (PORT BEND)
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes T. Marshall Date 1-17-57
No. ____ Date ____ Date ____ Map No. ____ Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		248 845				
T.P.	0628	237 890	11583	237262		
T.P.	0703	227 116	11477	226413		
T.P.	0253	215 365	12004	215112		
W.F. #1	0560	211027	4898	210467		
T.P.	0851	200096	11782	199245		
T.P.	0970	189265	11801	188295		
T.P.	0563	177 850	11978	177287		
B.M. "F"	4407	172226	10031	167819		
T.B.M. #31			5203	167023		
T.P.	1300	336823		335 523	NARCISSA DR. & FIGTREE RD. BT. SPK. & TIN PAINTED "℄ P.I."	ELEV 335.523 FROM PAGE 155
T.P.	0736	325847	11712	325111		
T.P.	0798	314878	11767	314080		
T.P.	1053	304409	11522	303356		
T.P.	1013	294373	11049	293360		
T.P.	8381	292391	10363	284010		
SAN PEDRO HILLS H-7A, ECC. 1	5070	293061	4400	287991		
S.P.H - H-7A			4853	288208		

F. B. 2254 PG. 156 Job No. 0301.02 Division No. Notes Red. Plotted Profile
Survey of L.A.Co PRECISE LEVEL NET (PORT. BEND) Date 1-17-57 Date No. X-Sec.
Survey by G.E. DREIER Notes T. OHASHI Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

76L298 307 10-51

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STATION	B. S.	H. I.	F. S.	ELEV.		
					BM.	
STA. B-1C	1144	443474		442330	STA. B-1C	FIELD ELEV. 442.330 MEAN OF PREVIOUS RUNS
T.P.	2121	434136	11459	432015		
T.P.	4431	426785	11782	422354		
T.B.M. #29	5988	426161	6612	420173		
T.P.	0212	418979	7394	418767		
T.P.	0255	407275	11959	407020		
T.P.	4125	400137	11263	396012		
T.P.	7481	402505	5113	395024		
T.P.	0604	393546	9563	392942		
T.P.	5647	390560	8633	384913		
T.P.	10467	395582	5445	385115		
STA. W. FIX			1759	393823		

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. ____ F.B. 2254 Pg. 157

X-Sec. No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET (PORT BROAD)

Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes T.O. Date 1-17-57

No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date 2-4-57

76L298 307 10-51

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STATION	B. S.	H. I.	F. S.	ELEV.		
B.M. 50-13	3859	211 727		207 868		
T.P.	3982	209 190	6519	205 208		
T.B.M. #15	6870	208 321	7739	201 ~~451~~ 450		
T.P.	7756	213 466	2611	205 710		
STA. J-5	2215	206 611	9070	204 ~~396~~ 394		
T.P.	7439	211 011	3039	203 572		
RADIAL #2	11946	217 998	4959	206 ~~052~~ 049	EASTSIDE ⊼	WESTSIDE ⊼
T.P.	9390	225 305	2083	215 915		
STA. J-4			0288	225 ~~017~~ 012	20'± + 5.071 220± − 5.453 DIFF. − 0.382 225.017 MEAN DIFF. − 0.395 224.622	220'± + 3.979 20'± − 4.388 DIFF − 0.409
STA. J-3	8179	232 801		224 ~~622~~ 617		
T.P.	2945	223 989	11757	221 044		
STA. J-1	0728	215 274	9443	214 54~~6~~0		
T.P.	2158	205 875	11557	203 717		
B.M. "D"	6591	204 499	7967	197 90~~8~~1		
T.P.	11571	214 829	1241	203 258		
T.P.	8397	223 043	0183	214 646		
P.I. #17	11859	228 201	6701	216 ~~342~~ 343		
T.P.	9693	237 064	0830	227 371		
T.P.	7674	243 892	0846	236 218		
STA. J-1A			3409	240 ~~473~~ 472		

Profile No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 030102 Division No. ____ F.B. 2254 Pg. 159

X-Sec. No. ____ Date ____ Notes Chkd ____ Date ____ Checked ____ Date ____ Survey of L.A.Co. PRECISE LEVEL NET (PORT BEND) Survey by G.E. DREIER Notes T. OHASHI Date 1-21-57 Map No. ____ Date 1-25-57

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STATION	B. S.	H. I.	F. S.	ELEV.		
P.I. #17	2558	218900		216342 31	CONTINUED FROM PREVIOUS PAGE	
T.P.	0309	210106	9103	209797		
T.P.	4391	202956	11541	198565		
T.P.	5158	202024	6090	196866		
T.P.	4253	200077	6200	195824		
BM 34-17A	4509	198698	5888	194189 75		
T.P.	11560	207295	2963	195735		
T.P.	9203	215105	1393	205902		
STA. K-1	1760	215432	1433	213672 56		
T.P.	1431	207331	9532	205900		
T.P.	0346	196078	11599	195732		
T.P.	0702	185097	11683	184395		
T.P.	0205	173597	11705	173392		
T.P.	0940	162987	11550	162047		
T.P.	0310	151596	11701	151286		
T.P.	2164	142512	11248	140348		
T.P.	1243	132294	11461	131051		
T.BM. #25	1230	124056	9468	122826 05		
T.P.	0346	114229	10173	113883		
T.P.	0275	102773	11731	102498		
T.P.	1385	93906	10252	92521		

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F.B. 2254 PG 160

Job No. 0301.02 Division No. ____ Notes Red. ____ Plotted ____ Profile

Survey of L.A. Co. PRECISE LEVEL NET (PART BELOW) Date 1-21-57 Date ____ No. ____ X-Sec.

Survey by G.E. DREIER Notes T.O. ____ Notes Chkd. ____ Checked ____ No. ____

Indexed C. Johnson Date ____ Date ____ Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		93906.				
T.P.	0597	83226	11277	82629		
T.P.	1092	73235	11083	72143		
T.P.	3439	65125	11549	61686		
T.BM. #28	2328	63760	3693	61~~432~~ 07		
T.P.	2663	56973	9450	54310		
T.P.	1247	50516	7704	49269		
T.P.	3394	46193	7717	42799		
STA. K-3	4268	42303	8158	380~~25~~ 08		
T.BM. #27	3888	38781	7410	348~~93~~ 65		
STA. K-2	1272	33917	6136	326~~45~~ 17		
T.P.	2318	24587	11648	22269		
T.P.	4412	23248	5751	18836		
T.BM. #26	4615	21831	6032	17~~316~~ 186		
T.P.	3839	19585	6085	15746		
T.P.	1781	18141	3225	16360		
BM. P.B. #1	7012	14584	10569	75~~72~~ 40		
T.P.	6119	11995	8708	5876		
T.P.	11142	16118	7019	4976		
BM. P.B. #2	4659	15709	5068	110~~50~~ 17		
T.P.	5418	11533	9594	6115		
BM. P.B. #3	5718	10604	6647	48~~86~~ 52		

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Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. ____ F. B. 2254 Pg. 161
No. ____ Date ____ Date ____ Survey of L.A.Co. PRECISE LEVEL NET (PORT. BEND)
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes T.O. Date 1-21-57
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76298 S & E #307—7-55

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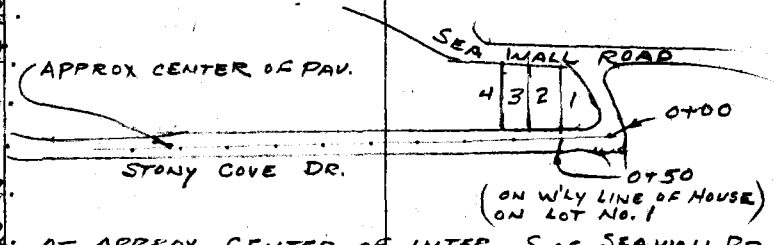
STATION	B. S.	H. I.	F. S.	ELEV.	
		10604			
BM. PB #4	7206	10678	7132	3437	
BM. P.B. #5	1612	10271	2019	8623	
BM P.B #5A.			9508	0727	
T.P.	11167	16007	5431	4240	
5+00			4348	11622	STONY COVE DR. PROFILE FROM W. TO E.
4+50 T.P.	5948	16634	5321	10648	
4+00			6361	10235	
3+50			6879	9716	
3+25			628	1031	SPK. GONE-SHOT ON PAVEMENT PATCH
3+00			6592	10002	
2+50			5775	10818	
2+00			4289	12304	APPROX CENTER OF PAV.
1+50 T.P.	8202	24005	0831	15761	
1+00			6822	17141	
0+50			4266	19696	
0+00 T.P.	2367	25381	0991	22970	AT APPROX. CENTER OF INTER. S. OF SEA WALL RD.
T.P.	1036	17860	8557	16824	
B.M.P.B. #6	1023	7831	11052	6763	
T.P.	4929	8999	3761	4070	
T.P.	7528	13142	3385	5614	
BM.P.B. #7	5381	17188	1335	11761	



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F. B. 2254 Pg. 162
Job No. 030102 Division No. Notes Red. Plotted
Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND) Date 1-21-57 Date No.
Survey by G.E. DREIER Notes T.O. Notes Chkd. Checked X-Sec.
Indexed E. C. Johnson Date Date Date No.
Profile

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		17 188.				
T.P.	4491	17797	3882	13306		
T.P.	6037	17216	6618	11179		
T.P.	0705	14125	3796	13420		
BM.P.B. #8	6367	14353	6139	7 ~~986~~ 939		
T.P.	3778	17198	0933	13420	1-22-57	
T.P.	6538	17715	6021	11177		
T.P.	3857	17164	4408	13307		
B.M. — P.B. #7	3836	15641	5359	11 ~~805~~ 754		
T.P.	1766	7379	10028	5613		
B.M.P.B. #6A	7401	7818	6962	0 ~~417~~ 365		
B.M.P.B. #6	10619	17454	0983	6 ~~835~~ 782		
T.P.	8608	25455	0607	16847		
T.P.	9281	32317	2419	23036		
T.P.	11212	41371	2158	30159		
T.P.	11663	52116	0918	40453		
T.P.	11163	62741	0538	51578		
T.BM #28	9983	71453	1271	61 ~~470~~ 14		
T.P.	11377	82154	0676	70777		
T.P.	8634	90247	0541	81613		
STA — K-4	7383	94722	2908	87 ~~359~~ 281		
T.P.	9419	100505	3638	91084		

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Profile Notes Red. ____ Plotted ____ Job No. 030102 Division No. ____ F. B. 2254 Pg. 163
No. ____ Date ____ Date ____ Survey of L.A.Co. PRECISE LEVEL NET (PORT BEND)
X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes T.O. Date 1-21-57
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76298 S & E #307—7-55

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STATION	B. S.	H. I.	F. S.	ELEV.		
		100 503				
T.P.	11902	111653	0752	99751		
T.P.	11871	123117	0407	111246		
T.P.	11203	133786	0534	122583		
T.P.	8892	141692	0986	132800		
STA. K-5	11745	147840	5597	136034		
T.P.	11387	158988	0239	147601		
T.P.	11585	170225	0348	158640		
T.P.	11875	181717	0383	169842		
T.P.	11645	192457	0905	180812		
T.P.	9623	201881	0199	192258		
T.P.	11735	211585	2031	199850		
BM. 50-13			3652	207868		

911

F. B. 2254 Pg. 164

Job No. 030102 Division No. Notes Red. Plotted Profile

Survey of L.A.Co. PRECISE LEVEL NET (PORT BEND) Date 1-22-57 Date No.

Survey by G.E. DREIER Notes T.O. Notes Chkd. Checked X-Sec.

Indexed E. C. Johnson Date Date Date No.

76L298 307 10-51

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STATION	B. S.	H. I.	F. S.	ELEV.		
BM. 50-13	3765	211 633		207 868		
T.P.	1661	201 451	11843	199790		
T.P.	0363	192 562	9252	192199		
T.P.	0558	181 311	11809	180753		
T.P.	0222	170 000	11533	169778		
T.P.	0610	159 188	11422	158578		
T.P.	0263	147 799	11652	147536		
STA. K-5	5268	141 299	11768	136031		
T.P.	1252	133 987	8564	132735		
T.P.	0315	122 835	11467	122520		
T.P.	0455	111 637	11653	111182		
T.P.	1589	101 276	11950	99687		
T.P.	3763	94 780	10259	91017		
STA. K-4	2702	89 976	7506	87274		
T.P.	0917	82 460	8433	81543		
T.P.	0992	71 709	11743	70717		
T.B.M. #28	1147	62 563	10293	61416		
T.P.	0379	51 903	11039	51524		
T.P.	0983	41 376	11510	40393		
T.P.	2428	32 532	11272	30104		
T.P.	1962	24 935	9559	22973		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030102 Division No. ____ F.B. 2254 Pg. 165

X-Sec. No. ____ Date ____ Date ____ Survey of LA. Co. PRECISE LEVEL NET (PORT BEND)

Notes Chkd. ____ Checked ____ Survey by G.E. DREIER Notes T.O. ____ Date 1-22-57

No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

76L298 307 10-51

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STATION	B. S.	H. I.	F. S.	ELEV.		
		24935				
T.P.	1263	18042	8156	16779		
BM.P.B #6	2867	9646	11263	6779		
T.P.	4855	8541	5960	3686		
T.P.	9253	14825	2969	5572		
BM.P.B. #7	5184	16950	3059	11766		
T.P.	4372	17640	3682	13268		
T.P.	6098	17240	6498	11142		
T.P.	0239	13620	3859	13381		
BM.P.B #8			5674	7946		
BM.PB #7	3032	14798		11766		
T.P.	1135	6706	9227	5571		
BM.P.B. #6A	8215	8581	6340	0366		
BM.P.B #6	11917	18710	1788	6793		
T.P.	7921	24705	1926	16784	STONY COVE DR. PROFILE FROM E. TO W.	
0+00 T.P.	1280	24249	1736	22969	AT APPROX. CENTER OF INTER. S. OF SEAWALL RD.	
0+50			4553	19696	SEE SKETCH PAGE	
1+00			7097	17152		
1+50			8461	15788		
2+00	3243	15545	11947	12302		
2+50			4731	10814		
3+00			5548	9997		

F.B. 2254 PG. 166

Job No. 0301.02 Division No. ____ Notes Red. ____ Plotted ____ Profile ____

Survey of L.A.Co. PRECISE LEVEL NET (PORT BEND) Date 1-22-57 Date ____ No. ____

Survey by G.E. DREIER Notes T.O. Notes Chkd. ____ Checked ____ X-Sec. ____

Indexed A. C. Johnson Date ____ Date ____ Date ____ No. ____

76L298 307 10-51

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STATION	B. S.	H. I.	F. S.	ELEV.		
		15 545				
3+25			522	1033		
3+50			5827	9718		
4+00			5300	10245		
4+50			4897	10648		
5+00			3921	11624		
T.P.	1588	5835	11298	4247		
BM P.B. #5A	8951	9699	5087	0748		
B.M. P.B. #5	1250	9892	1057	8642		
B.M. P.B #4	6242	9697	6437	3455		
B.M. P.B #3	3918	8783	4832	4865		
T.P.	9378	15472	2689	6094		
BM. P.B. #2	4671	15714	4429	11043		
T.P.	7528	11843	11399	4315		
T.P.	8703	14568	5978	5865		
BM. P.B. #1			7007	7561		

Profile Notes Red ____ Plotted ____ Job No. 030102 Division No. ____ F.B. 2254 PG. 167
No. ____ Date ____ Date ____ Survey of L.A. Co. Precise Level Net (Port Bend)
X-Sec. Notes Chkd ____ Checked ____ Survey by G.E. Dreier Notes T.O. Date 1-23-57
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

Checked on Stats up to here.

NOT Recorded after this date

~~May need~~ adj.

Has been adj if it needed it.

76L298 307 10-51

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STATION	B. S.	H. I.	F. S.	ELEV.		
T.B.M. #31	4 582	171 582		167 000	T.B.M. #31 ELEV. 167.000	F.B. 2254-145
B.M. "F"	9 919	177 720	3 781	167 801	PALOS VERDES DR. S. & ENTRANCE TO WAYFARERS CHAPEL, L.&T. IN S. CURB OF CENTER DIVIDER 1 FT. E OF E. END CURB RETURN	
T.P.	11 712	188 981	0 451	177 269	B.M. "F" (L.A.Co. RD. DEPT. EL. 167.855) PALOS VERDES DR. S. & ENTRANCE TO WAYFARERS CHAPEL N.E. COR., 5 FT. W. OF EUCALYPTUS TREE, BRASS DISC ON 3/4" I.P. LETTERED "L.A.Co. RD. DEPT 1954" 12" DEEP.	
T.P.	11 662	199 940	0 703	188 278		
T.P.	11 991	211 219	0 712	199 228		
B.M. W.F.-1	4 878	215 325	0 772	210 446	B.M. WAYFARER 1 (W.F.1) AT WAYFARERS CHAPEL, Sq. SPK STAMPED "W.F.1" IN N.W. COR OF BOTTOM STEP	
T.P.	11 501	226 595	0 231	215 094		
T.P.	11 524	237 922	0 197	226 398		
T.P.	11 639	248 883	0 678	237 244		
T.P.	11 812	260 104	0 591	248 292		
T.P.	10 836	269 919	1 021	259 083		
T.P.	11 866	281 142	0 643	269 276		
B.M. P.B. 10	3 433	282 936	1 639	279 501		
T.P.	11 447	291 506	2 877	280 059		
T.P.	11 474	302 487	0 493	291 013	NARCISSA DR. AT B.C. IN FRONT OF HOUSE NO. 24 SPK & TIN PAINTED B.C. 25 FT. N. OF A FIREHYDRANT	
T.P.	11 487	313 530	0 444	302 043		
T.P.	11 608	324 827	0 311	313 219		
T.P.	11 473	335 874	0 426	324 401		
T.P.	7 146	342 654	0 366	335 508	NARCISSA DR. & FIGTREE DR. BT. SPK & TIN, PAINTED "℄ P.I."	
T.P.	10 438	351 052	2 040	340 614	NARCISSA DR & CINNOMON LANE. W. SPK. PAINTED "℄ P.I."	
	11 553	362 337	0 268	350 784		

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Profile
No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 0301.02 Division No. 10 F.B. 2254 Pg. 189
X-Sec. Date ____ Survey of L.A.Co. PRECISE LEVEL NET (PORT. BEND)
No. ____ Date ____ Notes Chkd ____ Checked ____ Survey by G.E. DREIER Notes G.E.D. Date 1-24-56
Map No. ____ Indexed Johnson Date 1-28-57

76L298 307 10-51

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STATION	B. S.	H. I.	F. S.	ELEV.	
		362337.			
T.P.	11159	373085	0411	361.926	NARCISSA DR & GINGER ROOT LANE
T.P.	7796	380683	0198	372887	W. SPK. & TIN PAINTED "℄ P.I."
T.P.	7531	384227	3987	376696	
T.P.	10993	392103	3117	381110	
T.P.	11609	402940	0772	391331	
T.P.	11722	413467	1195	401745	
T.P.	10812	422169	2110	411357	
RM. #2	4977	426701	0445	421~~724~~ 19	
RM. #1	5238	426850	5089	4216~~12~~ 07	
T.P.	0621	416353	11118	415732	
T.P.	4137	412051	8439	407914	
T.P.	4133	410222	5962	406089	NARCISSA DR. & PLUM TREE RD.
T.P.	4552	408623	6151	404071	NAIL PAINTED "℄ P.I."
T.P.	4159	406484	6298	402325	
T.P.	6119	405576	7027	399457	NARCISSA DR & CINNOMON LANE N.E COR. IN CULVERT
TBM #30	7808	413121	0263	4053~~13~~ 07	HEADWALL BT. SPK. & LEAD.
T.P.	5328	416231	2218	410903	
T.P.	4948	414556	6623	409608	NARCISSA DR & SWEETBAY RD.
T.P.	4808	413302	6062	408494	W. SPK. & TIN PAINTED "℄ P.I."
T.P.	4317	411241	6378	406924	

F.B. 2254 PG. 170 Job No. 030102 Division No. 11 Notes Red. Plotted No. Profile
Survey of L.A. Co. PRECISE LEVEL NET (PORT BEND) Date 1-25-57 Date No. X-Sec.
Survey by G.E. DREIER Notes T.O. Notes Chkd. Checked
Indexed K. C. Johnson Date Date Date No.

76L298 307 10-51

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STATION	B. S.	H. I.	F. S.	ELEV.		
		411241.				
T.P.	4333	408816	6758	404483	NARCISSA DR. & VANDERLIP DR. IN CENTER OR TRIANGLE	
B.M. P.B. #9	4868	409005	4679	40413~~7~~0	STD. C.S. MON. STAMPED BM.P.B #9	
T.P.	6559	410386	5178	403827		
T.P.	6232	412367	4251	406135		
T.P.	10046	417546	4867	407500		
T.P.	11172	428250	0468	417078		
T.P.	11262	438733	0779	427471		
T.P.	11323	449401	0655	438078		
T.P.	11635	460452	0584	448817		
T.P.	11481	471541	0392	460060		
STA. B-1D	1459	471929	1071	470~~470~~62		
T.P.	0987	463299	9617	462312		
T.P.	2941	454252	11988	451311		
STA. B-1C	0897	443218	11931	4423~~21~~12		
T.P.	1595	433604	11209	432009		
T.P.	6128	428341	11391	422213		
STA. B-1B	2132	425841	4632	42370~~9~~0		
STA. B-1A	8463	425703	8601	4172~~40~~31		
T.P.	5638	426171	5170	420533		
STA.-B-1	7429	429969	3631	4225~~40~~30		
T.P.	5791	429037	6723	423246		

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Profile
No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 030102 Division No. 11
X-Sec. Date ____ Survey of L.A. Co. Precise Level Net (Port Bend)
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by G.E. Dreier Notes T.O. Date 1-25-57
Map No. ____ Indexed ____ Date ____

F.B. 2254 Pg. 171

F.B. 2254 PG. 172 | Job No. 030602 | Division No. 10 | Notes Red. | Plotted | Profile

Survey of L.A. Co. PRECISE LEVEL. NET. (PORT. BEND) | Date 1-25-57 | Date | No.

Survey by G.E. DREIER | Notes T.O. | Notes Chkd. | Checked | X-Sec.

Indexed C. Johnson | Date | Date | Date | No.

76L298 307 10-51

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STATION	B.S.	H.I.	F.S.	ELEV.
T.P.	10126	438213.	0950	428087.
X STA. C-1	5128	442930.	1411	436802. 792
X STA. D-1	7678	444875.	4633	437297. 87
T.P.	5046	446943.	2578	441897.
STA. E-1			11613	435330. 19

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CONT. ON NEXT PAGE

76L298 307 10-51

A-4-322.193

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STATION	B. S.	H. I.	F. S.	ELEV.		
STA. E-1	1577	436907		435330	STA. E-1, ELEV. 435.330 MEAN OF EARLY RUNS	
	6960	433614	10253	426654		
	1740	433519	1835	431779		
	1245	427902	6862	426657		
	0395	419160	9137	418765		
T.B.M.-21	0748	408921	10987	408173	T.B.M.-21	
	0418	398567	10772	398149		
STA-D2	3765	396637	5695	392872	STA-D2	
	0928	390677	6888	389749		
	0770	379619	11828	378849		
	0560	370991	9188	370431		
	0194	359805	11380	359611		
	3699	356475	7029	352776		
STA B-2	5746	353199	9022	347453	STA. B-2	
BM 50-12	4010	352768	4441	348758	BM 50-12	
	8490	356096	5162	347606		
	11710	367042	0764	355332		
RADIAL 1	1737	366339	2440	364588	RADIAL 1	
	0545	355101	11783	354556		
	0792	344104	11789	343312		
			8078	336026		

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Profile No. ____ Notes Red ____ Plotted ____ Job No. 030102 Division No/D
X-Sec. No. ____ Date ____ Date ____ Survey of L.A.Co. PRECISE LEVEL NET (PORT. BEND)
Notes Chkd ____ Checked ____ Survey by ENGELSH Notes T.C.P. Date 1-25-7
Date ____ Date ____ Map No. ____ Traced G. Johnson Date ____

F.B. 2254 Pg. 173

76L298 307 10-51

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F.B. 2254 PG. 174 Job No. 8301.02 Division No. 10 Notes Red. Plotted Profile No.
Survey of L.A. CO. PRECISE LEVEL NET (PORT. BEND) Date Date X-Sec. No.
Survey by ENGLISH Notes T.C.P. Notes Chkd. Checked
Indexed K. O. Johnson Date Date Date

STATION	B. S.	H. I.	F. S.	ELEV.		
	1449	337475		336026		
STA. A-3	9471	338086	8860	328615 01	STA. A-3	
STA. F-3	6012	333515	10583	327503 484	STA. F-3	
STA. A-4	4760	326955	11320	322195 80	STA. A-4	
STA. G-1	6605	322340	11220	315735 20	STA. G-1	
	3935	317991	8284	314056		
SHIELDS			7655	310336 21	SHIELDS, FIELD ELEV. 310.321 MEAN OF EARLY RUNS	

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76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.
STA. K-5	5 346	141 386		136 040
T.P.	0 650	133 398	8 638	132 748
T.P.	0 383	122 911	10 870	122 528
T.P.	0 222	111 366	11 767	111 144
T.P.	0 501	100 149	11 718	99 648
T.P.	2 970	93 901	9 218	90 931
STA. K-4	2 078	89 267	6 712	87 ~~184~~ 207
T.P.	0 481	81 959	7 789	81 478
T.P.	0 732	71 357	11 334	70 625
T.B.M. #28	1 048	62 410	9 995	61 ~~362~~ 362
T.P.	0 390	51 811	10 989	51 421
T.P.	0 632	40 919	11 524	40 287
T.P.	1 645	31 687	10 877	30 042
T.P.	0 517	29 656	2 548	29 139
T.P.	0 320	18 927	11 049	18 607
B.M. P.B. #7	4 927	16 654	7 200	11 ~~727~~ 727
T.P.	3 708	16 940	3 422	13 232
T.P.	5 297	16 397	5 840	11 100
T.P.	0 348	13 685	3 060	13 337
B.M. P.B. #8			5 783	7 ~~902~~ 931

LOOP

STA. K-5, Field elev. = 136.040

CONT.

Profile Notes Red. _____ Plotted _____ Job No. 0301.02 Division No. 10 F. B. 2254 Pg. 173

No. _____ Date _____ Date _____ Survey of L.A. Co. Precise levels (Port Bend)

X-Sec. Notes Chkd. _____ Checked _____ Survey by English Notes G.E.O. Date 1-28-57

No. _____ Date _____ Date _____ Map No. _____ Date 2-4-57

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.	
					New Loop
P.B. #7	0 475	12 202		11 7~~27~~ 56	CONT. FROM PREVIOUS PAGE
T.P.	1 130	6 663	6 669	5 533	
P.B. #6-A	7 288	7 612	6 339	0 3~~24~~ 54	Bt. Spk.
P.B. #6	11 486	18 308	0 790	6 8~~22~~ 63	
T.P.	7 162	23 920	1 550	16 758	
0+00 T.P.	0 801	23 711	1 010	22 9~~70~~ 41	STONY COVE PROFILE FOR SKETCH SEE PAGE 162
0+50			4 069	19 6~~42~~ 74	
1+00			6 575	17 1~~36~~ 68	
1+50			7 895	15 8~~16~~ 69	
2+00 T.P.	2 740	14 990	11 461	12 2~~50~~ 83	
2+50			4 241	10 7~~49~~ 83	
3+00			5 058	9 9~~32~~ 66	
3+25			4 77	10 2~~8~~ 6	ON PAV. REPAIR, SPK GONE
3+50			5 332	9 6~~58~~ 93	
4+00			4 788	10 2~~02~~ 37	
4+50			4 410	10 5~~80~~ 616	
5+00			3 442	11 5~~48~~ 84	END PROFILE
T.P.	1 018	6 148	9 860	5 130	
B.M. P.B 5A	10 412	11 126	5 434	0 7~~14~~ 51	
" " P.B. #5	1 336	9 933	2 529	8 ~~597~~ 634	
" " P.B. #4	4 890	9 473	5 350	4 ~~583~~ 621	CONT.

F. B. 2254 Pg. 176 | Job No. 0301.02 | Division No. 10 | Notes Red. | Plotted | Profile
Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND) | Date | Date | No.
Survey by English | Notes G.E.D. | Notes Chkd. | Checked | X-Sec.
Indexed C. Johnson | Date | Date | Date | No.

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
		9 473				
B.M. P.B #3	4 620	9 451	4 642	4 8~~31~~69	CONT.	
T.P.	9592	15 648	3 396	6 056		
B.M. P.B #2	4 880	15 919	4 609	11 0~~39~~78		
T.P.	4 270	9 250	10 939	4 980		
T.P.	8129	13 957	3 422	5 828		
B.M. P.B #1	10 888	18 413	6 432	7 5~~25~~65		
T.P.	2 930	19 240	2 103	16 310		
T.P.	5708	21 418	3 530	15 710		
T.B.M. #26	5 810	22 961	4 267	17 1~~51~~92		
T.P.	5 090	23 868	4 183	18 778		
T.P.	11 377	33 585	1 660	22 208		
STA. K-2	5 694	38 217	1 062	32 5~~23~~66		
T.B.M. #27	5 446	40 278	3 385	34 8~~32~~75		
STA. K-3	6 215	44 024	2 469	37 8~~07~~52		
T.P.	7 711	50 294	1 441	42 583		
T.P.	8 094	57 144	1 244	49 050		
T.P.	8 955	63 127	2 972	54 172		
T.B.M. #28	3 384	64 728	1 783	61 3~~44~~89		
T.P.	11 669	73 259	3 138	61 590		
T.P.	11 437	83 498	1 198	72 061		
T.P.			1055	82.443		

Profile Notes Red. ____ Plotted ____ Job No. 30102 Division No. 10 F.B. 2254 Pg. 177
No. ____ Date ____ Date ____ Survey of L.A. Co. Precise LEVEL NET
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes G.E.D. Date 1-28-56
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76L298 S & E #307 9-54

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T. P.	10 374	92 817		82 443		
T. P.	10 436	102 841	0 412	92 405		
T. P.	11 899	114 240	0 500	102 341		
T. P.	10 151	123 991	0 400	113 840		
T.B.M. #25	10 866	133 638	1 219	122 ~~772~~ 820	T.B.M. #25	
T. P.	11 283	142 273	2 648	130 990		
T. P.	11 589	151 811	2 051	140 22[illegible]		
T. P.	11 892	163 064	0 639	151 172		
T. P.	11 469	173 433	1 100	161 964		
T. P.	11 082	183 621	0 894	172 539		
T. P.	11 005	194 267	0 359	183 262		
T. P.	11 745	205 119	0 893	193 374		
T. P.	10 535	214 084	1 568	203 551		
Sta. K-1	0 505	214 096	0 493	213 ~~591~~ 666	K-1, mon.	
T. P.	1 270	204 706	10 660	203 436		
T. P.	2 740	198 507	8 939	195 767		
B.M. 34-17 A			4 403	194 ~~104~~ 188	B.M. 34-17 A, el. = 194.188, F.B. 1355-44	

F. B. 2254 Pg. 178 Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile
Survey of L.A. Co. Precise Lev. Date Date No.
Survey by English Notes Ed. Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date No.

76L298 307 10-51

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STATION	B. S.	H. I.	F. S.	ELEV.		
BM. 50-13	3822	211 690		207868	(STABLE)	
T.P.	3829	209 040	6479	205211		
T.B.M. #15	6976	208365	7651	201389		
T.P.	9331	215303	2393	205972		
T.B.M. #24	9051	223 915	0439	214864	St. 8	
T.P.	11035	234 382	0568	223347		
STA. G-2			0772	233610		
T.B.M. #24	0281	215145		214864		
STA. J-5	4551	208 888	10808	204337		
T.P.	7822	211 345	5365	203523		
RADIAL #2	11411	217431	5325	206026	EASTSIDE ℄	WESTSIDE ℄
T.P.	10321	226 194	1558	215873	B.S. 20'± + 4.626	B.S. 22'± + 3.983
STA J-4			1267	224927	F.S. 22'± − 5.034	F.S. 20'± − 4.399
					− 0.408	− 0.416
					224.927	
					MEAN DIFF. − 0.412	
					224.515	
STA J-3	7684	232199		224515		
T.P.	2742	223673	11268	223931		
STA. J-1	0639	215071	9241	214432		
T.P.	1711	205341	11441	203630		
BM. "D"	6425	204334	7432	197909		
T.P.	11741	214932	1143	203191		
T.P.	9053	223627	0358	214574		

Profile No.____ Notes Red____ Plotted____ Job No. 0301.02 Division No.____
X-Sec. No.____ Date____ Notes Chkd____ Date____ Checked____ Survey of L.A.Co. Precise Level Net (Post Bench)
Date____ Date____ Survey by G.E. DREIER Notes T.O. Date 1-28-57
Map No.____ Indexed Johnson Date____

F.B. 2254 Pg. 179

76L298 307 10-51

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STATION	B. S.	H. I.	F. S.	ELEV.		
		223 627				
P.I. #17	11717	227993	7351	216276		
T.P.	9817	237105	0705	227288		
T.P.	8092	244220	0977	236128		
STA. J-1A			3842	240378		
P.I. #17	2444	218720		216276		
T.P.	0782	210502	9000	209720		
T.P.	4361	202872	11991	198511		
T.P.	5372	201936	6308	196564		
T.P.	4051	199990	5997	195939		
BM. 34-17A	3776	197958	5808	194182		
T.P.	10365	206576	1747	196211		
B.M. "C"			1792	204784	BM. "C" L.A. Co. Rd. Dept. Const. B.M. 200'± N. on Peppertree Dr. from Palos Verdes Dr. S., approx. ℄	
BM. 34-17A	5325	199507		194182		
T.P.	6037	200515	5029	194478		
T.P.	5231	200885	4861	195654		
T.P.	2819	196832	6872	194013		
T.P.	0448	187610	9670	187162		
T.P.	1205	177264	11551	176059		
BM 34-18	2978	171652	8590	168674		

F.B. 2254 Pg. 180

Job No. 030102 Division No. ____ Notes Red. ____ Plotted ____ Profile ____

Survey of L.A. Co. Precise Level Net (Port Bend) Date 1-28-57 Date ____ No. ____

Survey by G.E. Dreier Notes T.O. Notes Chkd. ____ Checked ____ X-Sec. ____

Indexed C. Johnson Date ____ Date ____ No. ____

76L298 307 10-51

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STATION	B. S.	H. I.	F. S.	ELEV.	
L.A.Co.Rd.Dept. Const.		171 652			L.A.Co.Rd.Dept. Const. B.M. – NARCISSA DR. & PALOS VERDES DR. S.
B.M.	0855	166445	6062	165590	N.E. Cor. Nail & Lead in 1st. Step
T.P.	4502	162636	8311	158134	
T.P.	6132	164149	4619	158017	
T.P.	6062	165838	4373	159776	
T.P.	6228	167488	4578	161260	(RAIN)
T.P.	6424	169219	4693	162795	
T.P.	6478	171406	4291	164928	
TB.M. #31			4371	167035	FIXED
TBM. #31	6431	173431		167000	(USE)
T.P.	6658	174751	5338	168093	
T.P.	9468	181651	2568	172183	
T.P.	8791	190111	0331	181320	
T.P.	10389	198432	2068	188043	
T.P.	10235	208349	0318	198114	
T.P.	10202	218343	0208	208141	
T.P.	10948	226918	2373	215970	
T.P.	11264	237871	0311	226607	
T.P.	10975	248284	0562	237309	
T.P.	4559	2[illegible]172	2671	245613	

Profile Notes Red ____ Plotted ____ Job No. 030102 Division No. ____ F.B. 2254 Pg. 181

No. ____ Date ____ Date ____ Survey of L.A.Co. Precise Level Net (Port Bend)

X-Sec. Notes Chkd. ____ Checked ____ Survey by G.E. Dreier Notes T.O. Date 1-28-57

No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76L298 307 10-51

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STATION	B. S.	H. I.	F. S.	ELEV.		
		250172.				
T.P.	2198	244317	8053	242119		
T.P.	5294	241968	7643	236674		
B.M. 34-19			6756	235212	B.M. 34-19 → 21	1953 Adj. El = 235.187
					PALOS VERDES DR. S.	& PACKET RD.
					OK No	Adj [signature]

F.B. 2254 PG. 182

Job No. 030102 Division No. ____ Notes Red. ____ Plotted ____ Profile

Survey of L.A. Co. PRECISE LEVEL NET. (PORT. BEND) Date 1-28-57 Date ____ No. ____

Survey by G.E. DREIER Notes T.O. ____ Notes Chkd. ____ Checked ____ X-Sec.

Indexed [illegible] C. Johnson Date ____ Date ____ Date ____ No. ____

76L298 307 4-50

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STATION	B. S.	H. I.	F. S.	ELEV.	
STA. B-1C	1 172	443 504		442 332	B-1C FIELD ELEV. 442.332 MEAN OF EARLIER RUNS O.K.
T.P.	2 053	434 090	11 467	432 037	
T.P.	4 257	426 397	11 950	422 140	
T.B.M. #29	6 318	426 236	6 479	419 98	B. SPK IN P.P. #833365E NARCISSA DR. & PEPPERTREE DR. S.W. COR
T.P.	0611	418 685	8 162	418 074	
T.P.	0202	407 126	11 761	406 924	
T.P.	3979	399 940	11 165	395 961	
T.P.	6247	401 240	4 947	394 993	
T.P.	0527	393 429	8 338	392 902	
T.P.	5356	390 274	8 511	384 918	
T.P.	5665	390 768	5 171	385 103	
T.P.	9292	398 182	1 878	388 890	
STA. W. FIX			4 367	393 815	
T.P.	0555	407 479		406 924	
T.P.	1079	397 052	11 506	395 973	
T.P.	0393	387 696	9 749	387 303	PEPPERTREE DR. & ROSEAPPLE RD. W. SPK. PAINTED "℄ INT."
T.P.	1864	378 062	11 498	376 198	
T.P.	4310	374 329	8 043	370 019	PEPPERTREE DR. & TANGERINE RD. NAIL PAINTED "℄ INT."
T.P.	0537	363 285	11 581	362 748	
T.P.	5998	358 582	10 701	352 584	

Profile Notes Red. Plotted Job No. Division No.
No. Date Date Survey of L.A. Co. [illegible]
X-Sec. Notes Chkd. Checked Survey by [illegible]
No. Date Date Map No. [illegible]

78L298 307 4-50

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STATION	B. S.	H. I.	F. S.	ELEV.		
		358 582				
STA. H-1	0459	353 487	5554	353028		
T.P.	0597	342 385	11699	341 788		
STA. H-2	1307	333943	9749	332 636		
T.P.	2892	324940	11895	322 048		
STA. H-4	1151	315 915	10176	314 764		
T.P.	6779	311 936	10758	305 157		
T.P.	1 816	302 670	11082	300854		
T.P.	3 622	294 833	11 459	291 211		
Sta. I-3	8 902	296 242	7 493	287 340	Sta. I-3	
Sta. I-2	11 532	302 429	5 345	290 897	Sta. I-3	
T.P.	11 712	313 864	0 277	302 152		
T.P.	7 838	320635	1 067	312797		
Sta I-1	0 937	320 313	1 259	319376	Sta. I-1	
T.P.	0 426	310284	10 455	309858		
T.P.	0 349	299 255	11 378	298906		
T.P.	4 832	292 390	11 697	287 558		
T.P.	9 587	301 706	0 271	292 119		
T.P.	8 842	309 650	0 898	300 808		
Blakesley	4 476	309 744	4 382	305 268	Blakesley	
T.P.	0 701	301 509	8 936	300 808		
T.P.			9 383	292 126		

Profile No.
Plotted
Date
Checked
Date
X-Sec. No.
Notes Red.
Date 1-30-57
Notes Chkd.
Date
Job No. 0300 Division No.
Survey of L.A. Co. Precise Level Net (Mt. Wilson Blvd.)
Survey by G.E. Greier
Notes T.O.
Indexed L. C. Johnson

76L298 307 10-51

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STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	0 559	292 685		292 126		
T.P.	0 413	281 541	11 557	281 128		
T.P.	0 617	270 636	11 522	270 019		
T.P.	0 296	260 208	10 724	259 912		
T.P.	0 911	251 507	9 612	250 596		
Sta. J-1A	1 695	242 090	11 112	240 395	Sta. J-1A	
T.P.	1 112	237 251	5 951	236 139		
T.P.	0 637	227 949	9 939	227 312		
P.I. #17	2 225	218 530	11 644	216 305	P.I. #17	
T.P.	0 694	210 432	8 792	209 738		
T.P.	4 309	202 827	11 914	198 518		
T.P.	4 804	201 813	5 818	197 009		
	3 499	199 490	5 822	195 991		
B.M. 34-17A			5 289	194 201	B.M. 34-17A	OK No Adj.

Profile
No. ____ Notes Red ____ Plotted ____ Job No. 0301.02 Division No. 10 F.B. 2254 Pg. 185
X-Sec. Date ____ Date ____ Survey of L.A. Co. Precise Level Net
No. ____ Notes Chkd. ____ Checked ____ Survey by Dreier Notes Ed. Date 1-30-57
Date ____ Date ____ Map No. ____ Indexed J. Johnson Date ____

76L298 307 10-51

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STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	1 462	336 964		335 502	Narcissa & Figtree Rd., Bt. spk. painted & P.I.	el. 335.502 Pg. 187
T.P.	0 642	325 737	11 869	325 095		
T.P.	0 687	314 747	11 677	314 060		
T.P.	0 934	304 269	11 412	303335		
T.P.	0 969	294 307	10 931	293 338		
T.P.	8 252	292 241	10 318	283 989		
Ecc. 1 S.P.H. H-7A	5 160	293303	4 098	288 143	S.P.H. H-7A	ECC. 1
S.P.H. H-7A			4 947	288 356	San Pedro Hills	H-7A

NOTE ELEV. ESTABLISHED FOR S.P.HILL H-7A & ECC. ON 1-17-57 IS ERRONIOUS. BELIEVE 1 ROD ON LAST TURN BEFORE S.P.HILLS H-7A ECC. WAS READ WITH BOTTOM CROSS-HAIR

F.B. 2254 Pg. 186 | Job No. 0301.02 | Division No. 10 | Notes Red. | Plotted | Profile No.
Survey of L.A. Co. Precise Level Net | Date 1-20- | Date | X-Sec. No.
Survey by Drake | Notes Ed. | Notes Chkd. | Checked
Indexed K. C. Johnson | Date | Date | Date | No.

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.	
T.B.M. #31	4 024	171 024		167 000	T.B.M. #31 FIELD ELEV. 167.000 PER 3 WIRE RUN F.B. 2254 - PALOS VERDES DR. S. & ENTRANCE TO WAYFARERS CHAPEL L & T. IN S. CURB CENTER DIVIDER 1 FT E. OF E. END C.R.
B.M. "F"	10328	178 133	3 219	167805	L.A. CO. RD. DEPT. B.M. "F" PALOS VERDES DR. S. & ENTRANCE TO WAYFARERS CHAPEL, N.E. COR., BRASS DISC 12" DEEP.
T.P.	11 739	189 008	0 864	177269	
T.P.	11 800	200 080	0728	188 280	
T.P.	11 974	211 203	0 851	199 229	
B.M. W.F.-1	4 914	215 363	0 754	210449	B.M. WAYFARER 1, AT WAYFARERS CHAPEL, SQ. SPK IN N.W. COR OF BOTTOM STEP
T.P.	11 703	226 816	0 250	215 113	
T.P.	11 647	238 061	0 402	226 414	
T.P.	11 274	248 525	0 810	237 251	
T.P.	11 053	259 369	0 209	248 316	
T.P.	10 904	269 991	0 282	259 087	
T.P.	11 584	280 882	0 693	269 298	
B.M. P.B. #10	3 181	282 686	1 377	279 505	
T.P.	11 670	291 728	2 628	280 058	
T.P.	11 870	302 880	0 718	291 010	NARCISSA DR AT B.C. IN FRONT OF HOUSE #24 SPK PAINTED B.C. 25 FT N. OF FIRE HYDRANT
T.P.	11 530	313 574	0 836	302 044	
T.P.	11 420	324 644	0 350	313 224	
T.P.	11 749	336 144	0 249	324 395	
T.P.	8 652	344 154	0 642	335 502	NARCISSA DR. & FIGTREE RD. B. SPK & T. PAINTED "℄ P.I."
T.P.	11 902	352 508	3 548	340 606	NARCISSA DR & CINNAMON LANE SPK PAINTED "℄ P.I."
T.P.	11 398	362 172	1 734	350 774	

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F.B. 2254 Pg. 187
X-Sec. No. ____ Date ____ Date ____ Survey of L.A. CO. PRECISE LEVEL NET (PORT. BEND)
Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes G.E.D. Date 1-30-57
Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
		362 172				
T.P.	11 518	373 440	0 250	361 922		
T.P.	7 474	380 364	0 550	372 890	NARCISSA DR. & GINGER ROOT LANE SPK & T. PAINTED "℄ P.I."	
T.P.	7 090	383 797	3 657	376 707		
T.P.	10 928	392 044	2 681	381 116		
T.P.	11 192	402 547	0 689	391 355		
T.P.	11 218	412 975	0 790	401 757		
T.P.	11 200	422 563	1 612	411 363		
R.M. # 2 S.P. HILLS G-7	4 360	426 086	4 837	421 726		
A S.P. HILLS G-7	5107	425 800	5 393	420 693		
R.M. # 1 S.P. HILLS G-7	4761	426 375	4 186	421 614		
T.P.	0690	416 435	10 630	415 745		
T.P.	2 601	410 528	8 508	407 927		
T.P.	3 700	409 786	4 442	406 086		
T.P.	3901	407 968	5 719	404 067	NARCISSA DR. & PLUM TREE RD. NAIL PAINTED "℄ P.I."	
T.P.	3658	405 977	5 649	402 319		
T.P.	6 476	405 933	6 520	399 457		
T.B.M. # 30	6981	412 293	0 621	405 312	NARCISSA DR & CINNAMON LANE & GINGER ROOT LANE N.E. COR., B. SPK IN ROCK HEADWALL OF CULVERT	
T.P.	4 610	415 505	1 398	410 895		
T.P.	4 241	413 843	5 903	409 602		
T.P.	4 270	412 755	5 358	408 485	NARCISSA DR. & SWEETBAY RD. SPK. & T. PAINTED "INT"	
T.P.	3 770	410 682	5 843	406 912		

F. B. 2254 Pg. 188

Job No. 030102 Division No. 10 Notes Red. Plotted Profile

Survey of L.A. Co. PRECISE LEVEL NET (PORT BEND) Date 1-30-57 No. X-Sec.

Survey by ENGLISH Notes G.E.D. Notes Chkd. Checked

Indexed K. C. Johnson Date Date No.

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	3 790	410 682 408 264	6 208	404 474		
P.B. #9	3 871	408 006	4 129	404 135	P.B. #9	
T.P.	5 923	409 743	4 186	403 820	T.P.	
T.P.	5 588	411 708	3 623	406 120		
T.P.	11 633	419 133	4 208	407 500		
T.P.	11 664	428 735	2 062	417 071		
T.P.	10 988	438 446	1 277	427 458		
T.P.	11 605	449 670	0 381	438 065		
T.P.	11 601	460 434	0 837	448 833		
T.P.	11 856	471 926	0 364	460 070		
B-1 D.	1 027	471 484	1 469	470 457	B-1 D,	Field elev. = 470.475
T.P.	0 821	463 136	9 169	462 315		
T.P.	2 879	454 186	11 829	451 307		
B-1 C.			11 883	442 303	B-1 C.,	
						1-31-57
B-1C	1352	443 684		442 332	STA B-1C FIELD ELEV. 442.332	
T.P.	2007	434 043	11648	432 036		
T.P.	6076	428 198	11921	422122		
STA. B-1B.	2077	425 693	4582	423616		
STA B-1A	8668	425 848	8513	417 180		
T.P.	5661	426 125	5384	420464		

Profile Notes Red. ____ Plotted ____ Job No. 030102 Division No. 10 F.B. 2254 Pg. 189
No. ____ Date ____ Date ____ Survey of L.A.Co. PRECISE LEVEL NET (PORT BEND)
X-Sec. Notes Chkd. ____ Checked ____ Survey by E. ENGLISH Notes 1-30-57 Date ____
No. ____ Date ____ Date ____ Map No. ____ Interest Johnson Date ____

76L298 S & E #307 9-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		426125				
STA. B-1	6719	429167	3677	422448		
T.P.	5712	428866	6013	423154		
T.P.	10517	438562	0821	428045		
STA. C-1	10788	447509	1841	436721		
T.P.	8987	445672	10824	436685		
STA. D-1	7499	444830	8341	437331		
T.P.	3562	445497	2895	441935		
STA. E-1	2722	438077	10142	435355		
T.P.	7185	433850	11412	426665		
L.A. Co. Rd. Dept. T.B.M.	2062	433845	2067	431783	L.A. Co. Rd. Dept. Const. T.B.M. in P.P. (A5497Y)	
T.P.	0565	427231	7179	426666		
T.P.	0666	419444	8453	418778	S. RIM OF STORM DRAIN MANHOLE	
T.B.M. #21	0767	408763	11451	407993		
T.P.	0470	398876	10354	398406		
STA. D-2	4589	397323	6142	392734		
T.P.	0536	390191	7668	389655		
T.P.	0484	379223	11452	378739		
T.P.	0617	370942	8898	370325		
T.P.	1092	360626	11408	359534		
T.P.	3873	356530	7969	352657		
STA. B-2	5982	353395	9117	347413	CONT.	

F. B. 2254 PG. 190

Job No. 0301.02 Division No. Notes Red. Plotted Profile

Survey of L.A. Co. Precise Level Net (Port Bend) Date 1-31-57 Date No. X-Sec.

Survey by G.E. Dreier Notes T.O. Notes Chkd. Checked

Indexed C. Johnson Date Date Date No.

76L298 307 10-51

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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		353 395.				
BM. 50-12	4211	352932	4674	348721	CONT.	
T.P.	8135	355704	5363	347569		
T.P.	11785	367 204	0285	355419		
RADIAL #1	1782	366 375	2611	364593		
T.P.	0462	355029	11808	354567		
T.P.	1073	344394	11708	343321		
T.P.	1359	337371	8382	336012		
STA. A-3	10198	338784	8785	328586		
STA. F-3	8479	335867	11396	327388		
T.P.	3698	333 688	5877	329990		
STA. A-4	7579	329809	11458	322230		
T.P.	0250	320522	9537	320272		
STA. G-1	7488	323 247	4763	315759		
T.P.	0678	314897	9028	314219		
STA. SHIELDS			4563	310334	STA. SHIELDS FIELD ELEV. 310.321	

OK no Adj

Profile No. ____ Notes Red ____ Plotted ____ Job No. 030102 Division No. ____ F.B. 2254 Pg. 191
X-Sec. No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET (PORT BEND)
Notes Chkd ____ Checked ____ Survey by G.E. DREIER Notes T.O. ____ Date 1-31-57
No. ____ Date ____ Date ____ Map No. ____ Indexed E. C. Johnson Date ____

76L298 307 10-51

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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
B.M. 50-13	5887	213 755		207 868	B.M. 50-13 ELEV. 207.868, SEE F.B. 2400-22 PALOS VERDES DR. S. & CRENSHAW BLVD.	
T.P.	7028	215483	5300	208455		
T.P.	6922	218252	4153	211330		
T.P.	7813	223142	2923	215329		
T.P.	8080	228041	3181	219961		
T.P.	6397	229678	4760	223281		
T.P.	5917	231313	4282	225396		
T.P.	6129	233388	4054	227259		
T.P.	6052	234917	4523	228865		
BM 34-15			5677	229240	B.M. 34-15 ELEV. 229.225 SEE F.B. 1355-16 PALOS VERDES DR. & YACHT HARBOR DR.	

THIS RUN MADE AS A CHECK ON B.M. 50-13, LOOKS O.K.

O.K. No Ad, needed

[signature]

F.B. 2254 PG. 192

Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile

Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND) Date 2-1-57 Date No.

Survey by G.E. DREIER Notes J. MOODY Notes Chkd. Checked X-Sec.

Indexed C. Johnson Date 2-1-57 Date Date No.

76L298 S & E #307 9-54

PLEASE RETURN TO
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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
B.M. 50-13	3 549	211 417		207 868	B.M. 50-13, el.=207.868, F.B. 2400-22	
T.P.	2 463	207 676	6 204	205 213		
T.B.M. #15	7 035	208 411	6 300	201 376	T.B.M. #15	
T.P.	5 825	212 733	1 503	206 908		
Sta. J-5	4 558	208 873	8 418	204 315	Sta. J-5	
T.P.	10 584	208 653	10 804	198 069		
Sta. Radial 2	10 939	216 942	2 650	206 003	Sta. Radial 2	
T.P.	10 062	225 944	1 060	215 882		
Sta. J-4			1 044	224 900	Sta. J-4	E. SIDE ⊼ / W. SIDE ⊼
			(-)	0.424	= MEAN DIFF. IN ELEV.	(±20 +3.786 / +3.455; ±220 -4.213 / -3.876) 0.427 / 0.421
STA. J.3	7 606	232 082		224.476	Sta. J-3	
T.P.	1 869	222 761	11 190	220 892		
Sta. J-1	0 943	215 336	8 368	214 393	Sta. J-1	
T.P.	0 198	203 810	11 724	203 612		
B.M. "D"	5 762	203 691	5 881	197 929	B.M. "D"	
T.P.	10.641	213 824	0 508	203 183		
T.P.	10 377	221 231	2 970	210 854		
P.I. #17	11 536	227 825	4 942	216 289	P.I. #17	
T.P.	10 046	237 341	0 530	227 295		
T.P.	6 482	242 602	1 221	236 120		
Sta. J-1A			2 231	240 371	Sta. J-1A	

Profile No. ____ Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F.B. 2254 Pg. 193
Date ____ Date ____ Survey of L.A. Co. Precise level Net
X-Sec. No. ____ Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 1-31-57
Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76L298 S & E #307 9-54

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B-1C

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
P.I. # 17	2.830	219 119		216 289	P.I. # 17, see Pg. 193
T.P.	0 261	209 982	9 398	209 721	
T.P.	3 917	202 498	11 401	198 581	
T.P.	3 347	200 595	5 250	197 248	
T.P.	5 470	199 034	7 031	193 564	
B.M. 34-17 A			4 850	194 184	B.M. 34-17 A, el.= 194.188, F.B. 1355-44
B.M. 50-13	3 549	211 417		207 868	B.M. 50-13, el= 207.868, F.B. 2400-22
T.P.	10 238	215 451	6 204	205 213	
T.P.	11 083	225 912	0.6 22	214 829	
T.P.	11 822	234 073	3 661	222 251	
T.P.	10 788	244 451	0 410	233 663	
T.P.	11 172	254 554	1.0 69	243 382	
T.P.	11 129	265 227	0 456	254 098	
T.P.	11 027	275 519	0 735	264 492	
T.P.	10 951	285 941	0 529	274 990	
T.P.	11 137	296 417	0 661	285 280	
T.P.	10 658	306 436	0 639	295 778	
T.P.	8 241	314 112	0 565	305 871	
Shields			3 790	310 322	Shields

OK. No Adj [illegible]

F. B. 2254 Pg. 194 Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile
Survey of L.A. Co. Precise Level Net Date Date No.
Survey by English Notes Ed. Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date Date No.

76L298 S & E #307 9-54

PLEASE RETURN TO
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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line. Peppertree Dr.

STATION	B. B.	H. I.	F. S.	ELEV.	From: Narcissa Dr. To: Palos Verde Dr. S.
B.M. B-1C	0 685	443 017		442 332	B-1C
T.P.	2 554	434 588	10 983	432 034	
T.P.	1 352	427 999	7 941	426 647	
B.M. P.T. #1	1 210	421 977	7 232	420 767	B.M. P.T. #1
	0 290	410 680	11 587	410 390	Peppertree Dr. & Narcissia Dr., S.E. Cor.
					Set Bt. S.W.&T. in Pvm't., 15' W. of P.P. #545227E
B.M. P.T. #2	0 962	399 641	12 001	398 679	Set B.M. P.T. #2
					Sweetbay Rd. & Peppertree Dr., No W. Cor.
T.P.	3 138	392 976	9 803	389 838	Bt. S.W.&T. in pvm't., 22' N.Wly. from ℄ Int.
fd. B.M. P.T. #3	0 518	387 799	5 695	387 281	B.M. P.T. #3.
T.P.	1 390	379 889	9 300	378 499	℄ Int. Peppertree Dr. & Roseapple Rd.
					Spk. (bend over), Painted ℄ Int.
set B.M. P.T. #4	0 791	372 221	8 459	371 430	P.T. #4
T.P.	1 243	361 951	11 513	360 708	Peppertree Dr. & Tangerine Rd., N.E. Cor.
T.P.	1 519	352 311	11 159	350 792	Bt S.W.&T. in Pvm't., 15' S.W. of St. Sign
P.T. #5	1 308	344 110	9 509	342 802	set B.M. P.T. #5
T.P.	0869	333 969	11 010	333 100	Peppertree Dr. & Limetree Lane, N.E. Cor.
T.P.	1332	323 946	11 355	322 614	Bt. S.W.&T. in Pvm't., 15' S.W. from St. Sign

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F.B. 2254 Pg. 195
No. ____ Date ____ Date ____ Survey of L.A. Co. Precise Level Net
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 2-1-57
No. ____ Date ____ Date ____ Map No. ____ Date 2-7-57

PORT. BEND

76L298 S & E #307 9-54

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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STATION	B. S.	H. I.	F. S.	ELEV.	
		323 946			P.T. #6
P.T. #6	0629	316 302	8273	315673	PEPPERTREE DR. & KUMQUAT LANE. N.E. COR.
T.P.	0980	306082	11200	305102	WIRE. SPK. & TIN IN PAV'MT 15' S.W. FROM ST. SIGN
T.P.	0838	295455	11465	294617	
T.P.	1320	285405	11370	284085	
					P.T. #7
P.T. #7	3752	277886	11271	274134	PEPPERTREE DR. & POMEGRANATE RD. N.E. COR.
T.P.	0810	271161	7535	270351	BT. SPK. W & T. IN PAV'MT 15' S.W. FROM ST. SIGN
T.P.	0632	259909	11884	259277	
T.P.	0664	249301	11272	248637	
T.P.	0258	238096	11463	237838	
T.P.	0750	227361	11485	226611	
T.P.	1206	218187	10380	216981	
T.P.	2760	211207	9740	208447	
B.M. "C"	0748	205 505	6450	204757	B.M. "C" L.A. Co. Rd. Dept B.M. ± 200' N. on Approx. ℄
T.P.	2 106	196 714	10 897	194 608	PEPPERTREE DR. FROM Palos Verde Dr. S.
B.M. 34-17 A			2 558	194156	B.M. 34-17 A, el = 194.188, F.B. 1355-44

OK no Adj needed

[signature]

F. B. 2254 PG. 196 | Job No. 0301.02 | Division No. 10 | Notes Red. | Plotted | Profile
Survey of L.A. Co. Precise level Net | Date 2-1-57 | Date | No.
Survey by English | Notes Ed. | Notes Chkd. | Checked | X-Sec.
Indexed C. Johnson | Date | Date | Date | No.

76L298 S & E #307 9-54

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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136240

STATION	B. S.	H. I.	F. S.	ELEV.		
B.M.			(2-1-57 P.M.)		B.M.	
50-13	3 647	211 515		207 868	50-13, el.= 207.868, F.B. 2400-22	
T.P.	0 185	199 998	11 702	199 813		
T.P.	0 476	192 684	7 790	192 208		
T.P.	0 348	181 102	11 930	180 754		
T.P.	0 314	170 105	11 311	169 791		
T.P.	0 443	159 034	11 514	158 591		
T.P.	0 337	147 891	11 480	147 554		
Sta. K-5	4 263	140 308	11 846	136 045	Sta. K-5	
T.P.	0 375	133 134	7 549	132 759		
T.P.	0 506	123 052	10 588	122 546		
T.P.	0 443	111 642	853	111 199		
T.P.	0 473	100 189	11 926	099 716		
T.P.	0 318	91 280	9 227	90 962		
Sta. K-4	0 381	87 604	4 057	87 223	Sta. K-4	
T.P.	0 755	79 208	9 151	78 453		
T.P.	0 833	68 543	11 498	67 710		
T.B.M. #28	1 764	63 184	7 123	61 420		
T.P.	0 354	51 795	11 743	51 441		
T.P.	0 537	40 833	11 499	40 296		
T.P.	1 995	32 086	10 742	30 091		
T.P.			2 882	29 204		

Profile Notes Red. Plotted Job No. 0301.02 Division No. 10 F. B. 2254 Pg. 197
No. Date Date Survey of L.A.Co. Precise Level Net
X-Sec. Notes Chkd. Checked Survey by Eagleson Notes Ed. Date 2-1-57
No. Date Date Map No. Chkd. Johnson Date

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	0 913	30 117		29 204		
B.M. T.P.	0 222	18 895	11 494	18 673		
P.B. #7	4 989	16 781	7 103	11 792	P.B. #7	
T.P.	3 871	17 212	3 440	13 341		
T.P.	5 578	16 739	6 051	11 161		
T.P.	0 805	14 228	3 317	13 422		
P.B. #8			6 264	7 964	P.B. #8	OK No Adj. JAM.
		Feb. 4, 1957 - A.M. - Sunny & Clear (no smog)				
B.M. 50-13	3 361	211 229		207 868	50-13, el = 207.868, F.B. 2400-22	
T.P.	2 242	207 454	6 017	205 212		
T.B.M. #15	7 060	208 402	6 112	201 342	T.B.M. #15	
T.P.	7.849	212 341	3 910	204 492		
Sta. J-5	6 177	210 453	8 065	204 276	Sta. J-5	
T.P.	5 868	210 359	5 962	204 491		
Sta. Radial 2	11 423	217 410	4 372	205 987	Sta. Radial 2	
T.P.	10 550	226 400	1 560	215 850		East - side - West
Sta. J-4			1 562	224 838	Sta. J-4	+ 4.033 + 3.281
(Portuguese Canyon)				- 0 426		- 4461 - 37.06
Sta. J-3	7 442	231 854		224 412	Sta. J-3	0.428 0.425
T.P.	1 977	222 799	11 032	220 822		mean (-) 0.426

F. B. 2254 Pg. 198   Job No. 0301.02   Division No. 10   Notes Red.   Plotted   Profile

Survey of L.A. Precise level Net   Date   No.

Survey by English   Notes Ed.   Notes Chkd.   Checked   X-Sec.

Indexed C. Johnson   Date   Date   No.

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
Sta.		222 799				
J-1	0 922	215 242	8 479	214 320	Sta. J-1	
T.P.	0 303	203 856	11 689	203 553		
B.M. "D"	5 808	203 726	5 938	197 918	BM "D"	
T.P.	6 592	203 683	6 635	197 091		
T.P.	5 129	204 274	4 538	199 145		
T.P.	4 358	201 674	6 948	197 326		
T.P.	5 202	201 153	5 723	195 951		
T.P.	4 230	199 046	6 337	194 816	OK. JM	
B.M. 34-17A	4 505	198 678	4 873	194 173	B.M. 34-17A, el.=194.188, F.B. 1355-44	
T.P.	9 718	205 556	2 840	195 838		
T.P.	10 658	214 170	2 044	203 512		
Sta. K-1			0 503	213 667	Sta. K-1	
T.P.	0 798	204 310		203 512		
T.P.	0 899	194 358	10 851	193 459		
T.P.	0 994	184 354	10 998	183 360		
T.P.	1 229	173 842	11 741	172 613		
T.P.	0 713	162 747	11 808	162 034		
T.P.	0 828	151 884	11 541	151 206		
T.P.	2.296	142 525	11 655	140 229		
T.P.	3 422	134 489	11 458	131 067		
T.B.M. #25	0 734	123 590	11 633	122 856	T.B.M. #25	

Profile Notes Red____ Plotted____ Job No. 0301.02 Division No. 10 F.B. 2254 Pg. 199
No.____ Date____ Date____ Survey of L.A. Co. Precise Level Net
X-Sec. Notes Chkd.____ Checked____ Survey by English Notes Ed. Date 2-9-56
No.____ Date____ Date____ Map No.____ Checked Johnson Date____

76L298 S & E #307 9-54

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Do not extend notes this side of this line.

F. B. 2254 Pg. 200 Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile
Survey of L.A. Co. Precise Level Net Date Date No.
Survey by Eng/154 Notes Ed. Notes Chkd. Checked X-Sec.
Indexed E. C. Johnson Date Date No.

STATION	B. S.	H. I.	F. S.	ELEV.	
		123 590			2-4-57 (P.M.)
T.P.	0 253	114 895	8 948	114 642	
T.P.	0 373	103 416	11 852	103 043	
T.P.	0 334	92 795	11 005	92 411	
T.P.	0 809	83 173	10 381	82 364	
T.P.	0 546	72 629	11 090	72 083	
T.P.	2 551	64 155	11 025	61 604	
T.B.M. #28	1 987	63 338	2 804	61 351	T.B.M. #28
T.P.	1 470	58 196	6 612	56 72[illegible]	
T.P.	0 757	49 630	9 323	48 873	
T.P.	0 991	43 428	7 19[illegible]	42 437	
Sta. K-3	3 237	40 895	5 77[illegible]	37 658	K-3
T.B.M. #27	2 650	37 505	6 040	34 855	T.B.M. #27
Sta. K-2	0 349	32 81[illegible]	5 044	32 461	K-2
T.P.	2 348	24 123	[illegible]	21 [illegible]	
T.P.	3 838	22 616	5 345	18 77[illegible]	
T.B.M. #26	4 345	21 489	5 472	17 144	T.B.M. #26
T.P.	3 647	19 382	5 754	15 735	
T.P.	1 893	18 208	3 067	16 315	
P.B. #1	6 53[illegible]	14 067	10 680	7 528	P.B. #1
	2 747	8 558	8 256	5 811	

76L298 S & E #307 9-54

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	2-4-57 P.M.
		8 558			
	9 545				
T.P.		10 624	7 479	1 079	
T.P.	5 972	16 167	0 429	10 195	
P.B.#2	2 150	13 254	5 063	11 104	P.B.#2
T.P.	6 429	10 695	8 988	4 266	
P.B.#3	5 123	9 971	5 847	4 848	P.B.#3
P.B.#4	5 121	9 794	5 368	4 603	P.B.#4
P.B.#5	6 887	15 499	1 182	8 612	P.B.#5
T.P.	1 707	9 683	7 623	7 876	
T.P.	5 568	9 646	5 605	4 078	
P.B.#6	1 122	8 655	2 713	6 933	P.B.#6
T.P.	10 470	14 562	4 563	4 092	
T.P.	5 661	16 339	3 884	10 678	
P.B.#7			4 597	11 742	P.B.#7
		2-5-57		A.M.	Weather: Ideal 70°±
	4 657	16 399		11 742	
T.P.	4 165	17 411	3 153	13 246	
T.P.	5 402	16 515	6 298	11 113	
T.P.	0 636	14 013	3 138	13 377	
P.B.#8			6 100	7 913	P.B.#8

? May need adj

Profile Notes Red ____ Plotted ____ Job No. 0301.02 Division No. 10 F. B. 2254 Pg. 201
No. ____ Date ____ Date ____ Survey of L.A. Co. Precise Level Net
X-Sec. Notes Chkd ____ Checked ____ Survey by English Notes Ed. Date 2-4-57
No. ____ Date ____ Date ____ Map No. ____ Computed Johnson Date ____

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
	2-5-57		A.M.			
TBM #31	3 176	170176		167 000	T.B.M. #31	Note below
B.M. "F"	10 421	178230	2 367	167809	B.M. "F"	
T.P.	11 273	188551	0 957	177273		
T.P.	11 287	199574	0 264	188287		
T.P.	10 496	209735	0 337	199237		
T.P.	8 213	212838	5 110	204625		
W.F. #1	5 642	215499	2 381	210457	W.F. #1	
T.P.	11 538	226657	0 380	215119		
T.P.	11 374	237803	0 228	226429		
T.P.	11 524	248785	0 542	237261		
T.P.	11 250	259580	0 455	248330		
T.P.	10 710	269805	0 485	259095		
T.P.	11 436	280748	0 493	269312		
P.B. #10	1 462	280978	1 232	279516	P.B. #10	
T.P.	11 520	291590	0 908	280070		
B.C.	11 758	302780	0 568	291022	B.C.	
T.P.	11 562	313616	0 726	302054		
T.P.	11 565	324798	0 383	313233		
T.P.	11 461	335870	0 389	324409	P.I. #1.	
P.I. #1	8 936	344451	0 357	335513	℄ Int. NARCISSA DR & FIG TREE RD. FD. SPR. FLUSH PAINTED ℄ P.I.	?

F.B. 1254 Pg. 202 Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile
Survey of L.A. Co. Precise Level Net Date Date No.
Survey by English Notes Lind Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

76L298 S & E #307 9-54

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STATION	B. B.	H. I.	F. B.	ELEV.	2-5-57 P.M.
		344 451			
P.I. #2	11 505	352 124	3 832	340 619	P.I. #2
T.P.	11 904	362 694	1 334	350 790	℄ INT. NARCISSA DR. & CINNAMON LANE
T.P.	11 767	373 705	0756	361 938	FD SPK FLUSH PAINTED ℄ P.I.
P.I. #3	7265	380 170	0 300	372 905	P.I. #3
T.P.	7 053	383 784	3 439	376 731	℄ INT NARCISSA DR & GINGER ROOT LANE
T.P.	10 629	391 765	2 648	381 136	FD SPK & T. FLUSH PAINTED ℄ P.I.
T.P.	11 005	402 334	0 386	391 379	
T.P.	589	413 363	0 618	401 774	
—	10 980	422 365	1 978	411 385	
G-7 R.M. #2	4236	425 983	0618	421 747	G-7 R.M. #2 SAN PEDRO HILLS G-7
G-7	5131	425 846	5268	420 715	
G-7 R.M. #1	4640	426 278	4208	421 638	G-7 R.M. #1
T.P.	0200	415 976	10502	415 776	
T.P.	3891	411 846	8021	407 955	
T.P.	3849	409 964	5731	406 115	
P.I. #4	4110	408 199	5875	404 089	P.I. #4 ℄ INT NARCISSA & PLUM TREE RD
T.P.	3828	406 171	5856	402 343	FD NAIL PAINTED ℄ P.I.
T.P.	6 269	405 739	6 701	399 470	
T.B.M. #30	7170	412 497	0 412	405 327	T.B.M. #30
T.P.	4 679	415 589	1 587	410 910	

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F.B. 2254 Pg. 203
No. ____ Date ____ Date ____ Survey of LA Co Potrero Level Net (P.B.)
X-Sec. Notes Chkd. CWH Checked ____ Survey by Engling Notes Lino Date 2-5-57
No. ____ Date 2-13-57 Date ____ Map No. ____ Indexed C. JOHNSON Date 2-17-57

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
		415 589				
T.P.	4 282	413 902	5.969	409 620		
P.I. #5	4 282	412 781	5 403	408 499	P.I. #5	
T.P.	3 732	410 659	5 854	406 927	℄ Int. Narcissa Dr. & Sweetbay Rd.	
T.P.	3 901	408 386	6 174	404 485	Spk. & T., flush, Painted "INT."	
P.B. #9			4 241	404 145	P.B. #9	
Level Line #2		2-6-57		A.M.	70° ± (Temp.) LEVEL LINE #2	
	3 861	408 006				
T.P.	5 842	409 671	4 177	403 829		
T.P.	5 848	411 979	3 540	406 131		
T.P.	9 812	417 330	4 461	407 518		
T.P.	11 757	428 848	0 239	417 091		
T.P.	10 928	438 401	1 375	427 473		
T.P.	11 182	449 266	0 317	438 084		
T.P.	11 412	460 261	0 417	448 849		
T.P.	11 927	471 619	0 569	459 692		
B-1D	1368	471 833	1 154	470 465	B-1D	
T.P.	0792	463 120	9 505	462 328		
T.P.	2755	454 072	11 803	451 317		
STA. B-1C	1237	443 541	11 768	442 304	B-1C	
T.P.	2760	434 769	11 532	432 009		
T.P.			8338	426 431		

F. S. 2254 Pg. 204 Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile
Survey of L.A. Co. Precise Level Net Date Date No.
Survey by English Notes Ed. Notes Chkd. CWH Checked X-Sec.
Indexed C. Johnson Date Date 2-13-57 Date No.

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.	A.M.	2-6-57
T.P.	1 308	427 739		426 431		Level Line #2
T.P.	4415	426 399	5757	421 982		
STA. B-1B	2060	425 536	2921	423 476	STA. B-1B	
STA. B-1A	10522	427 579	8479	417 057	STA. B-1A	
STA. B-1	5430	427 718	5291	422 288	STA. B-1	
T.P.	5 070	428 687	4101	423 617		
T.P.	9 623	437 492	0 818	427 869		
Sta. C-1	5 148	441 714	0 926	436 566	Sta. C-1	
Sta. D-1	9 142	445 455	4 401	437 313	Sta. D-1	
Sta. E-1	9 202	439 542	10 113	435 340	Sta. E-1	
T.P.	5 470	434 204	10 808	428 734		
Rd. Dept.	2 341	434 123	2 422	431 782	Rd. Dept. Const.	B.M. in P.P.
T.P.	1 826	424 727	11 222	422 901		
M.H. rim	0 403	419 170	5 960	418 767	M.H. rim	
T.B.M. #21	1.313	409 086	11 397	407 773	T.B.M. #21	
T.P.	0 403	398 642	10 932	398 154		
Sta. D-2	1 605	394 131	6 116	392 526	Sta. D-2	
T.P.	1 268	384 176	11 223	382 908		
T.P.	0 703	374 190	10 689	373 487		
T.P.	1.175	364 272	11 093	363 097		
T.P.	1 410	356 922	8 760	355 512		

Profile Notes Rod. Plotted Job No. 0301.02 Division No. 10 F. B. 2254 Pg. 205
No. Date Date Survey of L.A. Co. PRECISE LEVEL NET (PARTS BLND)
X-Sec. Notes Chkd. CWM Checked Survey by ENGLISH Notes Date 2-6-57
No. Date 2-13-57 Date Map No. Added Johnson Date

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
		356 922				
Sta. B-2	5 370	352 649	9 643	347 279	Sta. B-2	
B.M. 50-12			4 048	348 601	B.M. 50-12	
2-6-57			Level Line #2			Afternoon
	3 766	352 367		348 601		
T. P.	9 083	357 517	3 939	348 428		
T. P.	11 435	368 108	0 238	357 273		
Radial 1	2 377	366 892	4 193	364 515	Radial 1	
T. P.	0 414	356 065	11 241	355 651		
T. P.	0 297	345 379	10 983	345 082		
T. P.	0 307	335 453	10 233	335 146		
Sta. A-3	9 605	338 079	6 979	328 474	Sta. A-3	
Sta F-3	6 748	333 952	10 875	327 204	Sta. F-3	
Sta A-4	4 893	327 090	11 755	322 197	Sta. A-4	
STA G-1	6 965	322 690	11 365	315 725	STA G-1	
T. P.	4 044	318 243	8 491	314 199		
STA. SHIELDS	3 557	313 870	7 930	310 313	STA SHIELDS	
T. P.	0 538	306 392	8 016	305 854		
T. P.	0 830	296 597	10 625	295 767		
T. P.	0 450	285 717	11 330	285 267		
T. P.	0 266	275 248	10 735	274 982		

F. B. 2254 Pg. 206 Job No. 030102 Division No. 10 Notes Red. Plotted No. Profile
Survey of L.A. Co. Precise level Net Date Date X-Sec.
Survey by English Notes Ed. Notes Chkd. CWH Checked No.
Indexed R. C. Johnson Date Date 2-13-57 Date

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
		275 248				
T.P.	0542	265 023	10 767	264 481		
T.P.	0451	254 492	10 982	254 041		
T.P.	1049	244 277	11 264	243 228		
T.P.	0458	234 119	10 616	233 661		
T.P.	3532	225 780	11 871	222 248		
T.P.	0675	215 507	10 948	214 832		
T.P.	6320	211 049	10778	204 729	OK No Adj. [illegible]	
BM 50-13			3180	207 869	BM 50-13 ELEV. 207.868 F.B. 2400-22	
		2-7-57		LEVEL LINE # 4	(A.M.)	
BM 50-13	3180	211 048		207 868	BM 50-13 ELEV. 207.868 F.B. 2400-22	
T.P.	2211	206 939	6320	204 728		
T.B.M. #15	7089	208 400	5628	201 311	T.B.M. #15	
T.P.	7818	212 288	3930	204 470		
STA. J-5	4581	208 821	8048	204 240	STA. J-5	
T.P.	6298	210 759	4360	204 461		
STA. RADIAL 2	11241	217 191	4809	205 950	STA. RADIAL -2	PORTUGESE CANYON
T.P.	10381	226 194	1378	215 813		
STA. J-4			1413	224 781	STA. J-4	
STA. J-3	7242	231 595	-0428	224 353	STA. J-3	
T.P.			10 831	220 764		

⊼ E. SIDE	⊼ W. SIDE
+ 3.960	+ 3.627
− 4.390	− 4.054
− 0.430	− 0.427

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F. B. 2254 Pg. 207
No. ____ Date ____ Date ____ Survey of LA CO. PRECISE LEVEL NET (PORT. BEND)
X-Sec. Notes Chkd. CWH Checked ____ Survey by ENGLISH Notes T.C.P. Date 2-6-57
No. ____ Date 2-13-57 Date ____ Map No. ____ Indexed Johnson Date ____

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	2087	222 851		220 764		
J-1	0928	215 192	8587	214 264	J-1	
T.P.	0315	203 828	11679	203 513		
BM "D"	5712	203 630	5910	197 918	BM "D"	
T.P.	11668	208 728	6570	197 060		
T.P.	11931	220 164	0495	208 233		
BM P.I.# 17	11662	227 877	3949	216 215	BM. P.I. # 17	(P.M.)
T.P.	10080	237 276	0681	227 196		
T.P.	5350	241 361	1265	236 011		
STA. J-1 A			1114	240 247	STA. J-1 A	
BM P.I.# 17	2808	219 023		216 215		
T.P.	0341	209 974	9390	209 633		
T.P.	3648	201 994	11628	198 346		
T.P.	5225	201 130	6089	195 905		
T.P.	4448	199 259	6319	194 811	OK.	
BM 34-17A	4832	199 003	5088	194 171	BM 34-17 A ELEV. 194.188	FB 1355-44
T.P.	5450	199 924	4529	194 474		
T.P.	4602	200 257	4269	195 655		
T.P.	2438	196 456	6239	194 018		
T.P.			9283	187 173		

F. B. 2254 Pg. 208 | Job No. 0301.02 | Division No. 10 | Notes Red. | Plotted | Profile No.
Survey of L.A. CO. PRECISE LEVEL NET (PORT. BEND) | Date | Date | X-Sec. No.
Survey by ENGLISH | Notes T.C.P. | Notes Chkd. CWW | Checked
Indexed L. C. Johnson | Date | Date 2-13-57 | Date

76L298 S & E #307 9-54

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T.B.M.-31 167,000

STATION	B. S.	H. I.	F. S.	ELEV.		
T. P.	0 245	187 418		187 173		
T. P.	1335	177 395	11 358	176 060	OK [illegible]	
B.M. 34-18	1802	170 469	8 728	168 667	BM 34-18 ELEV. 168.680	F.B. 1355-22
T. P.	1795	162 318	9 946	160 523		
T. P.	6180	164 499	3 999	158 319		
T. P.	5851	166 212	4 138	160 361		
T. P.	5508	167 539	4 181	162 031		
T. P.	6 288	169 897	3 930	163 609		
T.B.M.-31			2869	167 028	T.B.M.-31	
(AM.)		2-8-57			LEVEL LINE # 5	(F.B. 2254-195 & 196)
B-1 D.	1 354	471 822		470 475	B-1 D. (Field) el = 470.475	
T. P.	0 888	463 225	9 492	462 337		
T. P.	2 701	454 029	11 897	451 328		
B-1 C.	1 255	443 580	11 704	442 325	B-1 C	
T. P.	2 690	434 719	11 551	432 029		
T. P.	1 618	427 990	8 347	426 372		
P.T. #1	0 803	421 464	7 329	420 661	P.T. #1	
T. P.	0 222	410 540	11 146	410 318		
P.T. #2	0 941	399 591	11 890	398 650	P.T. #2	
T. P.	3 404	393 173	9 822	389 769		
P.T. #3	0 523	387 774	5 922	387 251	P.T. #3	

Profile Notes Red. ____ Plotted ____ Job No. 1301.02 Division No. 10 F.B. 2254 Pg. 209
No. ____ Date ____ Date ____ Survey of L.A. Co. PRECISE LEVEL NET (PORT. BEND)
X-Sec. Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes Pete Date 2-7-57
No. ____ Date ____ Date ____ Map No. ____ Index C. Johnson Date 2-15-57

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.	
		387 774			
T.P.	1 209	379 681	9 302	378 472	
P.T. # 4	0 868	372 267	8 282	371 397	P.T. # 4
T.P.	0 568	361 242	11 573	360 674	
T.P.	0 882	351 621	10 503	3[illegible] 739	
P.T. # 5	1 320	344 [illegible]	8 849	342 772	P.T. # 5
T.P.	1 080	334 161	11 011	333 081	
T.P.	1 114	323 714	11 561	322 [illegible]	
P.T. # 6	0 389	316 043	8 [illegible]	315 654	P.T. # 6
T.P.	1 140	306 221	10 [illegible]	[illegible] 081	
T.P.	0 889	295 482	11 628	294 593	
T.P.	0 299	284 379	11 [illegible]	284 [illegible]	
P.T. # 7	4 347	278 465	10 261	274 118	P.T. # 7
T.P.	0 722	271 072	8 115	270 350	
T.P.	0 790	260 059	11 803	259 269	
T.P.	0 889	249 526	11 422	248 [illegible]	
T.P.	0 435	238 282	11 679	237 847	
T.P.	0 779	227 401	11 660	226 622	
T.P.	1 461	218 463	10 399	217 002	
T.P.	2 698	211 173	7 988	208 475	
B.M. "C"	0 589	205 371	6 391	204 782	B.M. "C"
T.P.	2 547	199 086	8 [illegible]	196 539	

F. B. 2254 Pg. 210 Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile
Survey of L.A. Co. Precise Level Net Date Date No.
Survey by English Notes Ed. Notes Chkd. Checked X-Sec.
Indexed K. C. Johnson Date Date Date No.

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
		199 086				
B.M. 34-17A			4 901	194 185	B.M. 34-17A, el= 194.188, F.B. 1355-44	
	(Dogleg)					
P.T. # 4	5 938	377 337		371 399	(Field elev.) Pg. 210	
T.P.	9 456	384 043	2 750	374 587		
T.P.	11 108	391 003	4 148	379 895		
T.P.	7 700	397 323	1 380	389 623		
Sta. W. Fix			3 518	393 805	Sta. W. Fix	
	(Dogleg)					
P.T. #4	[illegible]	372 274		371 399	P.T. #4	
T.P.	0 970	363 644	9 600	362 674		
T.P.	5 661	358 172	11 [illegible]	352 511		
Sta. H-1	0 649	353 603	5 218	352 954	Sta. H-1	
T.P.	0 736	343 [illegible]	10 435	343 168		
Sta. H-2	0 724	333 [illegible]	[illegible]	[illegible]	Sta. H-2	
T.P.	1 67[illegible]	325 [illegible]	[illegible]	321 [illegible]		
Sta. H-4			8 972	314 665	Sta. H-4	
Level Line #2					A.M.	2-11-57
B-1D	1 246	471 721	1	470 475	B-1D	
T.P.	0 821	463 157	9 385	462 336		
T.P.	2 642	453 969	11 830	451 327		
B-1C	1 361	443 674	11 656	442 313	B-1C	

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F. B. 2254 Pg. 211
No. ____ Date ____ Date ____ Survey of L.A. Co. Precise level Net
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 2-8-56
No. ____ Date ____ Date ____ Map No. ____ Date ____

76L298 S & E #307 9-54

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST 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. 2254 Pg. 212 | Job No. 0301.02 | Division No. 10 | Notes Red. | Plotted | Profile No.
Survey of L.A. Co. Precise Level Net | Date | Notes Chkd. | Checked | X-Sec. No.
Survey by Eagles & Ed | Notes | Date | Date
Indexed K. C. Johnson | Date | Date

STATION	B. S.	H. I.	F. S.	ELEV.		
		443 334				
T.P.	2 842	434 858	11 658	432 076		
T.P.	3 389	429 638	8 609	426 249		
B-1 B	2 015	425 415	6 231	423 400	B-1 B	
B-1 A	9 671	426 661	8 425	416 990	B-1 A	
B-1	4 857	427 046	4 472	422 189	B-1	
T.P.	4945	428 472	3 519	423 527		
T.P.	9474	437 291	0653	427 817		
STA. C-1	5 440	441 908	0823	436 468	STA. C-1	
D-1	8 158	445 484	4583	437 326	D-1	
E-1	4073	439 429	10 128	435 356	E-1	
T.P.	5352	434 097	10682	428 747		
R.D. DEPT B.M.	2 304	434 099	2 304	431 795		
T.P.	1812	424 720	11 191	422 908		
M.H. RIM	0637	419 424	5933	418 787	M.H. RIM	
T.B.M. #21	1299	408 911	11 812	407 612	T.B.M. #21	
T.P.	0584	398 523	10 972	397 939		
D-2	1127	393 528	6122	392 401	D-2	
T.P.	1624	384 415	10 737	382 791		
T.P.	0792	374 165	11 042	373 373		
T.P.	1304	364 311	11 158	363 007		
T.P.			8858	355 453		

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.	A.M.
T.P.	1 354	356 807		355 453	
B-2	5 549	352 794	9 562	347 245	B-2
B.M. 50-12	4 190	352 767	4 217	348 577	B.M. 50-12
T.P.	9 642	358 076	4 333	348 434	
T.P.	10 979	368 293	0 762	357 314	
R-1	2 361	366 872	3 782	364 511	Radial-1
T.P.	0 799	356 438	11 233	355 639	
T.P.	0 720	345 789	11 369	345 069	
T.P.	1 460	336 580	10 669	335 120	
Sta. A-3	9 843	338 283	8 140	328 440	Sta. A-3
" F-3	6 950	334 052	8 881	327 102	" F-3
" A-4	4 869	327 082	11 839	322 213	" A-4
Sta. G-1	7 528	323 261	11 349	315 733	Sta. G-1
T.P.	4 158	318 360	9 059	314 202	
SHIELDS	3 931	314 253	8 038	310 322	SHIELDS
T.P.	0 428	306 299	8 382	305 871	
T.P.	0 931	296 714	10 516	295 783	
T.P.	0 802	286 087	11 429	285 285	
T.P.	1 475	276 471	11 091	274 996	
T.P.			11 974	264 497	

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F. B. 2254 Pg. 213
No. ____ Date ____ Date ____ Survey of LA. Co. PRECISE LEVEL NET (PORT. BEND)
X-Sec. Notes Chkd. ____ Checked ____ Survey by ENGLISH Notes E.F.E. Date 2-11-57
No. ____ Date ____ Date ____ Map No. ____ Aided Johnson Date ____

76L298 S & E #307 9-54

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F. B. 2254 Pg. 214 | Job No. 0301.02 | Division No. 19 | Notes Red | Plotted | Profile No.
Survey of L.A.Co. PRECISE LEVEL NET (PART 5 OF 12) | Date | X-Sec. No.
Survey by E. Y. Gibb | Notes F. F. I. | Notes Chkd. | Checked
Indexed K. C. Johnson | Date | Date | Date

STATION	S. S.	H. I.	F. S.	ELEV.	P.M.	
T.P.	0 270	264 785		264 497		
T.P.	0 542	254 554	10 773	254 012		
T.P.	1 333	244 457	11 430	243 124		
T.P.	0 435	234 107	10 785	233 672		
T.P.	3 601	225 858	11 850	222 257		
T.P.	0 867	215 706	11 067	214 839		
T.P.	6 222	210 960	10 968	204 738	OK.	
B.M. 50-13			3 091	207 869	B.M. 50-13, el.= 207.868, F.B. 2400-22	
B.M. 34-18	1 660	170 340		168 680	B.M. 34-18, el.= 168.680, F.B. 1355.22	
T.P.	1 580	162 120	9 800	160 540		
T.P.	6 035	164 373	3 782	158 338		
T.P.	5 603	165 987	3 989	160 384		
T.P.	5 222	167 278	3 931	162 056		
T.P.	6 169	169 798	3 649	163 629		
T.B.M. #31	2 639	169 687	2 759	167 048	T.B.M. #31, el.= 167.000 (old Field elev.)	
T.P.	3 619	167 248	6 058	163 629	(Adj.) New Field elev. = 167.043 (E.F.E. 2-11-57)	
T.P.	3 982	166 037	5 193	162 055	Note:	
T.P.	3 879	164 265	5 651	160 386		
T.P.	3 790	162 134	5 921	158 344		
T.P.	9 890	170 438	5 886	160 548		
B.M. 34-18			1 748	168 690		

76L298 S & E #307 9-54

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Level Line # 3 2-13-57 A.M.

STATION	B. S.	H. I.	F. S.	ELEV.		
B.M. 50-13	3 151	211 019		207 868	B.M. 50-13, el.= 207.868,	F.B. 2400-22
T.P.	0 728	200 527	11 220	199 799		
T.P.	0 340	192 538	8 327	192 198		
T.P.	0 395	181 140	11 793	180 745		
T.P.	0 473	170 255	11 358	169 782		
T.P.	0 577	159 140	11 692	158 563		
T.P.	0 278	147 820	11 598	147 542		
STA. K-5	5 163	141 198	11 785	136 035	STA. K-5	
T.P.	0 696	133 447	8 447	132 751		
T.P.	0 583	123 117	10 913	122 534		
T.P.	0 352	111 538	11 931	111 186		
T.P.	0 441	100 136	11 843	99 695		
T.P.	3 409	94 245	9 300	90 836		
Sta. K-4	0 507	87 612	7 140	87 105	Sta. K-4	
T.P.	0 480	78 847	9 245	78 367		
T.P.	0 832	68 447	11 232	67 615		
T.B.M. #28	1 958	63 343	7 062	61 385	T.B.M. #28	
T.P.	2 221	58 920	6 644	56 699		
T.P.	1 269	49 961	10 228	48 692		
T.P.	1 530	43 830	7 661	42 300		

Profile Notes Red ____ Plotted ____ Job No. 0301.02 Division No. 10 F. B. 2254 Pg. 215
No. ____ Date ____ Date ____ Survey of L.A. Co. Precise Level Net
X-Sec. Notes Chkd ____ Checked ____ Survey by Engineers Notes Eq. Date 2-13-57
No. ____ Date ____ Date ____ Map No. ____ Added Job Date ____

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.	
		43 830			
Sta. K-3	3 238	41 257	6 311	37 519	Sta. K-3
T.B.M. #27	2 607	37 521	6 343	34 914	T.B.M. #27
K-2	1 199	33 631	5 089	32 432	Sta. K-2
T.P.	2 218	24 059	1 792	2 [illegible]	T.P.
T.P.	4 018	22 848	5 229	18 830	
T.B.M. #26	4 281	21 477	5 652	17 196	T.B.M. #26
T.P.	3 350	19 176	5 651	15 826	
T.P.	2 242	18 636	2 782	16 394	
P.B. #1	2 835	10 444	11 027	07 609	P B #1
T.P.	5 882	12 270	4 056	6 388	
T.P.	6 317	16 645	1 942	10 328	
P.B. #2	2 208	13 445	5 408	11 237	P.B. #2
T.P.	6 570	10 927	9 088	4 857	
P.B. #3	5 168	10 095	6 000	4 927	P.B. #3
P.B. #4	5 869	10 549	5 415	4 680	P.B. #4
P.B. #5	3 130	11 821	1 858	8 691	P.B. #5
P.B. #5A	11 201	12 009	11 013	0 808	P.B. #5A
T.P.	7 703	16 890	2 822	9 187	
5+00			5 37	11 52	Stonycove Profile
4+50			6 29	10 60	
4+25			6 58	10 31	

F. B. 2254 Pg. 216 Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile
Survey of L.A. Co. Precise Level Net Date Date No. X-Sec.
Survey by English Notes Ed Notes Chkd. Checked
Indexed C. Johnson Date Date Date No.

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
4+00		16 890	6 60	10 29	Stonycove Profile	
3+50			7 20	9 69		
3+00	11 110	21 013	6 987	9 903	T.P.	
2+50			10 29	10 72		
2+00			8 70	12 31		
1+50			4 87	16 14		
1+00			3 70	17 31		
0+50	6 000	25 689	1 324	19 689	T.P.	
0+00			2 74	22 95	Stonycove Profile	
T.P.	2 946	17 319	11 316	14 373		
P.B.#6	2 334	9 468	10 185	7 134	P.B.#6	
P.B.#6A	6 365	6 780	9 053	0 415	P.B.#6A	
T.P.	7 774	12 882	1 672	5 108		
P.B.#7	4 923	16 718	1 067	11 815	P.B.#7	
T.P.	3 726	17 090	3 354	13 364		
T.P.	4 721	15 906	5 905	11 185		
T.P.	1 367	14 816	2 457	13 449		
P.B.#8			6 822	7 994	P.B.#8	
T.B.M.#28	2 101	63 486		61 385	(Pg. 215) T.B.M. #28	
T.P.			1 834	61 652		

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F. B. 22 54 Pg. 217
No. ____ Date ____ Date ____ Survey of L.A. Co. Precise Level Net
X-Sec. Notes Chkd. ____ Checked ____ Survey by Eng 154 Notes Ed. Date 2-13-57
No. ____ Date ____ Date ____ Map No. 1 Field Johnson Date ____

76L298 S & E #307 9-54

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F. B. 2254 Pg. 218 Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile No.
Survey of L.A.Co. Precise Level Net Date Date X-Sec. No.
Survey by Eng 156 Notes Ed. Notes Chkd. Checked
Indexed C. Johnson Date Date Date

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	11 172	72 824		61 652		
T.P.	10 610	82 755	0 679	72 145		
T.P.	11 850	92 307	2 298	80 457		
T.P.	10 434	102 448	0 293	92 014		
T.P.	11 992	114 206	0 234	102 214		
T.P.	9 886	123 900	0 192	114 014		
T.B.M. #25	9 034	131 957	0 977	122 923	T.B.M. #25	
T.P.	11 174	142 284	0 847	131 110		
T.P.	11 557	151 750	2 091	140 193		
"	11 398	162 573	0 575	151 175		
"	11 378	173 436	0 515	162 058		
"	12 010	184 644	0 802	172 634		
"	11 003	194 384	1 263	183 381		
"	10 683	204 159	0 908	193 476		
"	10 725	214 260	0 624	203 535		
Sta. K-1			0 578	213 682	Sta. K-1	
T.P.	10 320	203 796		193 476		
B.M. 34-17A			9 604	194 192	B.M. 34-17A, el= 194.188, F.B. 1355-44	

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.			
Level Line #4					2-14-57		
B.M. 50-13	[illegible]	[illegible]		[illegible]	EL = 207.868	F.B. 2400-[illegible]	
T.P.	3 [illegible]	203 [illegible]	[illegible]	[illegible]			
[illegible]	7 [illegible]	208 331	6 [illegible]	201 [illegible]	[illegible]		
[illegible]	8 218	212 [illegible]	3 [illegible]	20[illegible]			
J-5	4 695	208 886	6 [illegible]	204 [illegible]	J-5		
T.P.	6 507	210 [illegible]	4 [illegible]	204 [illegible]			
[illegible]	11 [illegible]	[illegible]	5 000	[illegible]	[illegible]		
[illegible]	[illegible]	22[illegible] 162	1 [illegible]	[illegible]			
[illegible]			[illegible]	224 [illegible]	[illegible]		
J-3	7 [illegible]	[illegible]	[illegible]	[illegible]	J-3	+ 3.933	+ [illegible]
T.P.	[illegible]	[illegible]	11 028	[illegible]		- 4.368	- [illegible]
J-1	0 452	214 625	[illegible]	214 [illegible]	J-1	- 0.435	- 0.450
T.P.	0 412	203 857	11 180	203 445			
B.M. "D"	5 828	203 764	5.921	197 936	B.M. "D"		
T.P.	9 602	212 [illegible]	0 733	203 031			
T.P.	10 528	[illegible]	1 922	210 7[illegible]			
P.I. #17	11 782	227 960	5 061	2[illegible]	P.I. #17		
T.P.	10 184	237 335	0 811	227 149			
T.P.	6 239	242 190	1 382	235 951			
J-1A			2 014	240 176	J-1A		

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F.B. 2254 Pg. 219
No. ____ Date ____ Date ____ Survey of L.A. Co. Precise level Net
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 2-14-57
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date 2-20-57

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
P.I. #17	2 764	218 942		216 178	(Pg. 219)	
T.P.	0 244	209 829	9 357	209 585		
T.P.	7 227	202 577	11 479	192 850		
T.P.	5 261	201 375	6 763	195 814		
T.P.	4 552	199 374	6 253	194 822		
B.M. 34-17A			5 193	194 181	B.M. 34-17A, el=194.188,	F.B. 1355-44
	2-14-57				B.M. 50-10 To:	B.M. 50-11
B.M. 50-10	4 427	862 518		858 091	B.M. 50-10, el=858.091,	F.B. 2400-16
T.P.	0 873	852 385	11 006	851 512		
"	1.095	842 868	10 612	841 773		
"	0 883	832 992	10 759	832 109		
"	0 896	822 518	11 370	821 622		
"	0 821	812 531	10 808	811 710		
"	0 619	802 009	11.141	801 390		
"	0 880	792 237	10 652	791 357		
"	1 041	781 907	11 371	780 866		
"	0 720	771 615	11 012	770 895		
"	0 517	760 770	11 362	760 253		
"	0 429	750 100	11 099	749 671		
"	0 569	739 426	11 243	738 857		
"			11 741	728 185		

F. B. 2254 Pg. 220 Job No. 030102 Division No. 10 Notes Red. Plotted Profile
Survey of L.A.Co. Precise Level Net Date Date No. X-Sec.
Survey by English Notes Ed. Notes Chkd. Checked
Indexed K. C. Johnson Date Date Date No.

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	0 355	728 540		728 185		
"	0 863	717 929	11 479	717 061		
"	0 665	708 024	10 570	707 359		
"	0 933	697 966	10 791	697 033		
"	0 859	688 456	10 369	687 597		
"	0 909	678 115	11 250	677 206		
"	0 670	667 997	10 788	667 327		
"	0 321	657 323	10 995	657 002		
B.M. 50-11			9 829	647 494	B.M. 50-11, el. = 647.507, F.B. 2400-17	
	Level Line #1				2-14-57	P.M.
B-1 D	0 [illegible]	[illegible] 396		470 475	B-1 D	
T.P.	0 608	460 316	11 688	459 708		
"	0 449	449 315	11 450	448 866		
"	0 335	438 436	[illegible]	438 [illegible]		
"	11 43[illegible]	428 63[illegible]	10 943	42[illegible] 493		
"	0 251	417 360	11 527	417 109		
"	4 629	412 168	9 821	407 539		
"	3 921	410 067	6 022	406 146		
"	3 871	407 717	6 221	403 846		
P.B. #9	4 069	408 224	3 562	404 155	P.B. #9	
T.P.			3 730	404 494		

OK

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F.B. 2254 Pg. 221
No. ____ Date ____ Date ____ Survey of L.A. Co. Precise Level Net
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 2-14-57
No. ____ Date ____ Date ____ Map No. ____ Ed. Johnson Date ____

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	6 089	410 583		404 494		
"	6 380	413 313	3 650	406 933		
P.I. #5	5 570	414 082	4 801	408 512	P.I. #5	
T.P.	6 083	415 713	4 452	409 630		
"	1 161	412 082	4 792	410 921		
T.B.M. #30	1 099	406 433	6 748	405 334	T.B.M. #30	
T.P.	6 302	405 784	6 951	399 4[illegible]		
"	5 508	407 860	3 432	402 352		
P.I. #4	5 660	409 751	3 761	[illegible]	P.I. #4	
T.P.	5 940	412 059	3 [illegible]	406 [illegible]		
"	7 141	416 107	4 093	407 966		
"	10 582	426 366	0 323	415 784		
R.M. #1			4 722	421 644	R.M. #1	
G-7			5 647	420 719	S.P. [illegible] G-7	
R.M. #2	1 355	423 106	4 615	421 751	R.M. #2	
T.P.	1 768	413 153	11 721	4[illegible] 385		
"	0 782	402 447	11 488	4[illegible] 6[illegible]		
"	0 451	391 829	11 069	3[illegible] [illegible]		
"	2 615	383 756	10 688	3[illegible] 141		
"	3 302	380 038	7 020	376 736		
P.I. #3			7 [illegible]	37[illegible] 915	P.I. #3	

F. B. 2254 Pg. 222 Job No. 030102 Division No. 10 Notes Red. Plotted Profile
Survey of L.A. Co. Precise level Net Date Date No.
Survey by English Notes Ed Notes Chkd. Checked X-Sec.
Indexed X C. Johnson Date Date No.

76L298 S & E #307 9-54

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STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	[illegible]	[illegible]		[illegible]	P.I. #3	
"	[illegible]	[illegible]	[illegible]	[illegible]		
	[illegible]	[illegible]	11 [illegible]	[illegible]		
P.I. #2	[illegible]	[illegible]	[illegible]	[illegible]	P.I. #2	
P.I. #1	[illegible]	[illegible]	[illegible]	[illegible]	P.I. #1	
T.P.	[illegible]	[illegible]	11 [illegible]	[illegible]		
"	[illegible]	[illegible]	[illegible]	[illegible]		
	[illegible]	[illegible]	11 [illegible]	[illegible]		
B.C.	[illegible]	[illegible]	[illegible]	[illegible]	P.C.	
T.P.	[illegible]	282 353	11 555	[illegible]		
P.B. #10	1 000	[illegible]	[illegible]	[illegible]	P.B. #10	
T.P.	1 [illegible]	[illegible]	11 [illegible]	[illegible]		
"	0 565	259 680	[illegible]	[illegible]		
"	0 444	248 791	11 339	[illegible]		
"	0 970	[illegible]	11 512	[illegible] 279		
"	0 495	226 940	11 204	[illegible]		
"	0 613	215 755	11 [illegible]	[illegible]		
W.F. #1	5 282	215 755	5 282	[illegible]	W.F. #1	
T.P.	[illegible]	[illegible]	11 [illegible]	[illegible]		
T.P.	0 435	199 702	[illegible]	[illegible]		
			11 [illegible]	[illegible]		

Profile Notes Red. ____ Plotted ____ Job No. ____ Division No. ____ F. B. ____ PB. ____

No. ____ Date ____ Date ____ Survey of ____

X-Sec. Notes Chkd. ____ Checked ____ Survey by ____ Notes ____ Date ____

No. ____ Date ____ Date ____ Map No. ____ Noted Johnson Date ____

76L298 S & E #307 9-54

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	0 675	189 214		188 319		
"	[illegible]	[illegible]	[illegible]	[illegible]		
B.M. "[illegible]"	2 [illegible]	[illegible]	[illegible]	[illegible]	B.M. [illegible]	
T.B.M. #31			[illegible]	[illegible]	T.B.M. #31, el = 167.043	
Level	Line #5			2-15-57	(cold & damp)	
B.M. 34-17A	2 912	197 100		194 188	B.M. 34-17A, el = 194.188, F.B. 1355-44	
T.P.	10 563	205 181	2 482	194 618		
B.M. "C"	6 791	211 574	0 398	204 783	B.M. "C"	
T.P.	9 758	218 231	3 101	208 473		
"	10 183	227 176	1 238	216 993		
"	11 491	238 095	0 572	226 604		
"	11 692	249 522	0 265	237 830		
"	11 557	260 164	0 915	248 607		
"	11 865	271 098	0 931	259 233		
"	6 419	276 740	0 777	270 321		
P.T. #7	10 393	284 470	2 663	274 077	P.T. #7	
T.P.	11 438	295 492	0 416	284 054		
"	11 711	306 246	0 957	294 535		
"	11 053	316 100	1 199	305 047		
P.T. #6	8 124	323 757	0 467	315 633	P.T. #6	
T.P.			1 182	322 515		

F. B. 3254 Pg. 224 Job No. 0301.[illegible] Division No. 10 Notes Red. Plotted Profile
Survey of [illegible] Date Date No.
Survey by [illegible] Notes Notes Chkd. Checked X-Sec.
Indexed A. C. Johnson Date Date Date No.

76298 S & E #307—7-55

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

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
T.P.	11 713	334 288		322 575	
"	11 017	344 073	1 232	333 056	
P.T. #5	8 852	351 602	1 323	342 750	P.T. #5
T.P.	10 534	361 215	0 921	350 681	
"	11 525	372 161	0 579	360 633	
P.T. #4	8 521	379 908	0 774	371 387	P.T. #4
T.P.	9 510	387 958	1 460	378 448	
P.T. #3	6 229	393 468	0 719	387 239	P.T. #3
T.P.	10 059	399 780	3 747	389 721	
P.T. #2	12 002	410 043	1 139	398 641	P.T. #2
T.P.	11 607	421 184	1 066	407 577	
P.T. #1	7 532	428 115	0 601	420 583	P.T. #1
T.P.	8 625	434 948	1 992	426 123	
"	11 655	443 689	2 914	432 034	
B-1C			1 348	442 341	B-1C
		-Doglegs-			
P.T. #7	10 781	284 858		274 077	(see pg. 224)
T.P.	10 939	294 807	0 990	283 868	
"	10 565	304 879	0 913	294 314	
"	10 340	314 411	0 808	304 071	
Blakesley			9 242	305 169	Blakesley

Profile Notes Red_____ Plotted_____ Job No. 0301.02 Division No. 10 F. B. 2254 Pg. 225
No._____ Date_____ Date_____ Survey of L.A. Co. Precise Level Net
X-Sec. Notes Chkd._____ Checked_____ Survey by English Notes Ed Date 1-15-57
No._____ Date_____ Date_____ Map No._____ Date_____

76298 S & E #307—7-55

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
P.T. #6	6 128	321 761		315 633	See pg. 224
T.P.	3 635	322 541	2 855	318 906	
I - 1	0 447	319 760	3 228	319 313	I - 1
T.P.	0 835	313 545	7 050	312 710	
"	0 942	302 984	11 503	302 942	
"	1 794	294 550	10 228	292 756	
I - 2			3 818	290 732	I - 2
I - 3			7 348	287 202	I - 3
P.T. #4	0 825	372 212		371 387	See pg. 225
T.P.	1 966	362 784	11 394	360 818	
H - 1	1 008	353 927	9 865	352 919	H-1
T.P.	1 000	343 877	11 050	342 877	
H - 2	0 651	333 148	11 380	332 497	H - 2
T.P.	1 835	323 769	11 214	321 934	
H - 4			9 136	314 633	H - 4
P.T. #4	6 173	377 560		371 387	See pg. 225
T.P.	9 450	384 013	2 997	374 563	
"	11 538	391 430	4 121	379 892	
"	7 553	397 202	1 781	389 649	
W. Fix			3 384	393 818	W. Fix

F. B. 2254 Pg. 226 | Job No. 0301.02 | Division No. 10 | Notes Red. | Plotted | Profile
Survey of L.A. Co. Precise Level Net | Date | Date | No.
Survey by English | Notes Ed. | Notes Chkd. | Checked | X-Sec.
Indexed A. C. Johnson | Date | Date | Date | No.

76298 S & E #307—7-55

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Level		Line	#	2		2-18-57
B.M. 50-13	3 082	210 750		207.868	B.M. 50-13, el.= 207.868, F.B. 2400-[illegible]	
T.P.	11 023	215 753	[illegible]	204 730		
"	[illegible]	[illegible]	[illegible]	[illegible]		
"	[illegible]	234 [illegible]	[illegible]	[illegible]		
"	[illegible]	244 143	0 374	233 [illegible]		
"	[illegible]	[illegible]	1 [illegible]	242 955		
"	[illegible]	264 761	0 542	253 951		
"	[illegible]	27[illegible]	0 295	264 [illegible]		
"	[illegible] 120	[illegible]	0 [illegible]	274 [illegible]		
"	11 402	[illegible]	0 [illegible]	[illegible]		
"	10 [illegible]	[illegible]	0 [illegible]	[illegible]		
"	8 188	[illegible]	0 [illegible]	[illegible]		
Shields	7 880	[illegible]	3 [illegible]	310 317	Shields	
T.P.	9 061	323 256	4 [illegible]	314 [illegible]		
Sta. G-1	11 245	32[illegible] 964	7 537	315 719	Sta. G-1	
Sta. A-4	11 981	334 184	4 761	322 203	Sta. A-4	
Sta. F-3	11 120	338 042	7 262	326 [illegible]	Sta. F-3	
Sta. A-3	8 059	336 410	9 691	328 351	Sta. A-3	
T.P.	10 543	345 584	1 369	335 041		
"			0 581	345 003		

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F.B. 2254 Pg. 227
No. ____ Date ____ Date ____ Survey of L.A. Co. Precise level Net
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 2-18-57
No. ____ Date ____ Date ____ Map No. ____ Ended Johnson Date ____

76298 S & E #307—7-55

PLEASE RETURN TO
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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

F. B. 2254 Pg. 2

Job No. 0 30120 Division No. 10 Notes Red. Plotted Profile No.

Survey of Lakewood Estates Date Date X-Sec. No.

Survey by Engineers Notes Notes Chkd. Checked

Indexed K. C. Johnson Date Date

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	11 242	366 242		345 003		
T.P.	[illegible]	355 203	[illegible]	[illegible]		
R-1	3 553	367 993	2 360	364 443	R-1	
T.P.	3 661	[illegible]	0 389	357 309		
"	[illegible]	[illegible]	0 200	[illegible]		
B.M. 50-12	4 158	5[illegible]	4 240	[illegible]	B.M. 50-12	
Sta. B-2	4 500	[illegible]	5 500	[illegible]	Sta. B-2	
T.P.	[illegible]	[illegible]	[illegible]	355 299		
"	11 106	[illegible]	[illegible]	[illegible]		
"	10 937	[illegible]	0 350	370 168		
"	10 520	[illegible]	1 520	[illegible]		
Sta. D-2	6 [illegible]	[illegible]	0 927	[illegible]	Sta. D-2	
T.P.	[illegible]	[illegible]	[illegible]	[illegible]		
T.B.M. #21	[illegible]	417 118	[illegible]	[illegible]	T.B.M. #21	
M.H. Rim	5 [illegible]	[illegible]	0 201	[illegible]	M.H. Rim	
T.P.	[illegible]	[illegible]	[illegible]	[illegible]		
Rd. Dept.	2 494	434 [illegible]	[illegible]	[illegible]	Rd. Dept. B.M.	(H.P.)
T.P.	10 675	437 418	5 [illegible]	[illegible]		
Sta. E-1	10 177	[illegible]	[illegible]	[illegible]	Sta. E-1	
Sta. D-1	4 [illegible]	[illegible]	5 [illegible]	[illegible]	Sta. D-1	
Sta. C-1	0 778	437 144	5 [illegible]	436 246	" C-1	

76298 S & E #307—7-55

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		437 144				
T.P.	[illegible]	428 371	9 387	427 757		
"	2 [illegible]	425 [illegible]	4 [illegible]	[illegible]		
Sta. B-1			[illegible]	[illegible]	Sta. B-1	
Sta. B-1A	11 442	[illegible]	8 [illegible]	416 [illegible]	Sta. B-1A	
Sta. B-1B			5 025	423 [illegible]	Sta. B-1B	
T.P.	8 [illegible]	[illegible]	[illegible]	[illegible]		
"	[illegible] 662	[illegible]	2 [illegible]	[illegible]		
Sta. B-1C	11 675	[illegible]	[illegible]	442 315	Sta. B-1C	
		(P. M.)			Level Line #1	2-18-57
T.P.	[illegible]	[illegible]	2 [illegible]	[illegible]		
"	10 669	[illegible]	[illegible]	[illegible]		
Sta. B-1D	[illegible]	[illegible]	[illegible]	[illegible]	Sta. B-1D	
T.P.	[illegible]	[illegible]	[illegible]	[illegible]		
"	[illegible]	[illegible]	[illegible]	[illegible]		
"	[illegible]	[illegible]	[illegible]	[illegible]		
"	1 293	[illegible]	[illegible]	[illegible]		
"	0 213	[illegible]	11 [illegible]	[illegible]		
"	4 661	[illegible]	[illegible]	[illegible]		
	3 849	409 995	[illegible]	[illegible]		
"	4 165	408 [illegible]	6 [illegible]	403 843		
P.B. #9	3 [illegible]	[illegible]	[illegible]	[illegible]	P.B. #9	

Profile Notes Red. ____ Plotted ____ Job No. 0301.02 Division No. 10 F. B. 22-54 Pg. 289
No. ____ Date ____ Date ____ Survey of L.A. Co. Precise Level Net.
X-Sec. Notes Chkd. ____ Checked ____ Survey by English Notes Ed Date 2-18-57
No. ____ Date ____ Date ____ Map No. ____ Reduced Johnson Date 2-26-57

76298 S & E #307—7-55

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

F. B. [illegible] Pg. [illegible] Job No. [illegible] Division No. [illegible] Notes Red. [illegible] Plotted [illegible] Profile No. [illegible]
Survey of [illegible] Notes [illegible] Date [illegible] Date [illegible] X-Sec. No. [illegible]
Survey by [illegible] Notes Chkd. [illegible] Checked [illegible]
Indexed J. C. Johnson Date [illegible] Date [illegible]

STATION	B. S.	H. I.	F. S.	ELEV.		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
"	[illegible]	[illegible]	[illegible]			
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
[illegible]	6 [illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
P.I. # 1	[illegible]	[illegible]	[illegible]	[illegible]	P.I. # 4	
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]		
"	[illegible]	[illegible]	[illegible]	[illegible]		
"	[illegible]	[illegible]	[illegible]	[illegible]		
R.M. # 1			[illegible]	[illegible]	R.M. # 1	
S.P. Hills 3-7			[illegible]		S.P. Hills 3-7	
R.M. # 2	[illegible]	[illegible]	[illegible]	[illegible]	R.M. # 2	
T.P.	[illegible]	[illegible]	[illegible]	[illegible]		
"	[illegible]	[illegible]				
"	[illegible]	3 [illegible]	[illegible]	[illegible]		
"	2.63	38 3 798	[illegible]	[illegible]		
"	3 [illegible]	[illegible]	[illegible]	[illegible]		
P.I. # 3	[illegible]	[illegible]	[illegible]	[illegible]	P.I. # 5	
T.P.				36 [illegible]		

76298 S & E #307—7-55

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	0 647	[illegible]		361 944		
"	1 [illegible]	[illegible]	11 838	350 [illegible]		
[illegible]	3 347	343 976	11 410	340 [illegible]	P.I. #2	
[illegible]	0 [illegible]	336 515	7 453	335 523	P.I. #1	
T.P.	0 [illegible]	[illegible]	11 400	325 [illegible]		
	1 [illegible]	[illegible]	[illegible]	[illegible]		
	0 652	[illegible]	[illegible] 058	[illegible]		
	[illegible]	[illegible]	[illegible]	[illegible] 357		
"	[illegible]	[illegible]	9 738	[illegible]		
S.P.H. [illegible]			3 823	[illegible]	S.P. [illegible]	ECC.
S.P.H. H-7A			[illegible]	[illegible]	" " "	
P.I. #1	0 [illegible]	[illegible]		335 523	P.I. [illegible]	
T.P.	0 [illegible]	[illegible]	11 402	324 [illegible]		
"	[illegible]	[illegible]	[illegible]	[illegible]		
"	0 [illegible]	[illegible]	11 556	[illegible] 057		
B.C.	0 736	[illegible] 762	[illegible]	[illegible] 026	"S.C."	
T.P.	2 530	[illegible]	[illegible]	[illegible] 067		
P.B. #10	1 248	[illegible]	[illegible]	[illegible] 518	P.B. #10	
T.P.	1 [illegible]	[illegible]	11 462	[illegible] 304		
"			[illegible]	259 [illegible]		

Profile Notes Red. _____ Plotted _____ Job No. [illegible] Division No. [illegible] F. B. [illegible] Pg. [illegible]
No. _____ Date _____ Date _____ Survey of [illegible] Level Net
X-Sec. Notes Chkd. _____ Checked _____ Survey by [illegible] Notes [illegible] Date [illegible]
No. _____ Date _____ Date _____ Map No. _____ Indexed Johnson Date _____

F. B. 225-+ PG. 232 Job No. 0301.02 Division No. 10 Notes Red. ______ Plotted ______ Profile
Survey of L.A. Co. Precise lev. Net Date ______ Date ______ No. ______
Survey by English Notes Ed. Notes Chkd. ______ Checked ______ X-Sec.
Indexed A. C. Johnson Date ______ Date ______ Date ______ No. ______

76298 S & E #307—7-55

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	
T.P.	[illegible]	259.[illegible]		[illegible]	
"	[illegible]	248.873	[illegible]	[illegible]	
"	0.937	238.197	11.617	237.259	
"	0.566	226.185	[illegible]	225.[illegible]	
"	0.655	215.[illegible]	[illegible]	[illegible]	
W.F. #1			[illegible]	[illegible]	W.F. #1
T.P.	3.700	[illegible]	11.[illegible]	[illegible]	
"	0.[illegible]	[illegible]	9.[illegible]	199.[illegible]	
"	0.4[illegible]	189.[illegible]	[illegible]	[illegible]	
T.P.	[illegible]	[illegible]	11.43[illegible]	[illegible]	
B.M. [illegible]	2.51[illegible]	[illegible]	[illegible]	[illegible]	B.M. [illegible]
T.B.M. #31			[illegible]	[illegible]	T.B.M. #31

76298 S & E #307—7-55

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.	A. M.	
Level	Line	#3			(Weather: [illegible])	2-19-57
B.M. 50-13	2 580	210 398		207 868	B.M. 50-13, el. 207.868,	F.B. 2400-22
T.P.	0 677	200 487	10 588	199 810		
"	1 460	192 004	9 943	190 544		
"	0 873	181 577	11 250	180 754		
"	[illegible]	[illegible]	[illegible]	[illegible]		
"	[illegible]	[illegible]	[illegible]	[illegible]		
"	[illegible]	[illegible]	[illegible]	[illegible]		
K-5	2 422	140 464	11 922	136 042	K-5	
T.P.	0 627	133 388	7 703	132 761		
"	0 515	128 061	10 842	122 546		
"	0 278	111 474	11 865	111 196		
"	0 832	100 534	11 772	99 702		
"	2 879	93 666	9 747	90 787		
K-4	0 510	87 566	6 610	87 [illegible]	Sta. K-4	
T.P.	0 822	79 148	9 240	78 326		
T.P.	1 000	68 559	11 589	67 559		
T.B.M. #28	2 169	63 524	7 204	61 355	T.B.M. #28	
T.P.	1 826	58 428	6 922	56 602		
"	0 442	49 365	9 505	48 923		
K-3	3 288	40 641	12 012	37 [illegible]	K-3	

Profile Notes Red. ____ Plotted ____ Job No. [illegible] Division No. 10 F.B. [illegible] Pg. [illegible]
No. ____ Date ____ Date ____ Survey of [illegible] Precise Level Net
X-Sec. Notes Chkd. ____ Checked ____ Survey by [illegible] Notes Ed. Date 2-19-57
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76298 S & E #307—7-55

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700 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		40 [illegible]				
T.B.M. #27			5 [illegible]	[illegible]	T.B.M. #27	
K-2	1 [illegible]	33 [illegible]	2 [illegible]	2 [illegible]	K-2	
T.P.	2 [illegible]	[illegible]	4 [illegible]	[illegible]		
	4 [illegible]	[illegible]	5 [illegible]	[illegible]		
T.B.M. #26	4 281	[illegible]	5 [illegible]	[illegible]	T.B.M. #26	
T.P.	[illegible]	[illegible]	[illegible]	[illegible]		
	[illegible]	[illegible]	[illegible]	[illegible]		
P.B. #2	[illegible]	15 554	[illegible]	[illegible]	P.B. #2	
T.P.	7 [illegible]	13 537	[illegible]	[illegible]		
	5 [illegible]	[illegible]	[illegible]	[illegible]		
P.B. #2	[illegible]	15 [illegible]	5 [illegible]	[illegible]	P.B. #2	
T.P.	6 [illegible]	11 015	9 [illegible]	[illegible]		
P.B. #3	5 075	9 95[illegible]	6 [illegible]	4 [illegible]	P.B. #3	
P.B. #4	[illegible]	16 [illegible]	5 [illegible]	4 [illegible]	P.B. #4	
P.B. #5	9 [illegible]	17 [illegible]	[illegible]	[illegible]	P.B. #5	
P.B. #5A					P.B. #5 A	
5+00	[illegible]	16 192	6 [illegible]	[illegible]	5+00 [illegible]	Profile
4+50			5 66	[illegible]		
4+25			5 94	[illegible]		
4+00			5 95	[illegible]		
3+50			6 [illegible]	[illegible]		

F. B. [illegible] Pg. [illegible]

Job No. [illegible] Division No. 10 Notes Red. Plotted Profile

Survey of [illegible] Date Date No.

Survey by [illegible] Notes Notes Chkd. Checked X-Sec.

Indexed A. C. Johnson Date Date Date No.

76L298 S & E #307 9-54

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
[illegible]		16 [illegible]	6 35	9 [illegible]		
[illegible]			5 [illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	3 915	12 [illegible]	T.P.	
[illegible]			7 09	16 21		
[illegible]			5 98	17 32		
[illegible]			3 64	19 66		
[illegible]	[illegible] 081	23 992	0 389	22 911	[illegible] Profile	
T.P.	2 538	16 960	9 570	14 422		
P.B. #6	2 630	[illegible]	[illegible]	7 [illegible]	P.B. #6	
P.B. #6A					P.B. #6A	
T.P.	[illegible] 843	[illegible]	2 689	[illegible]		
T.P.	5 850	16 575	2 [illegible]	10 725		
P.B. #7			[illegible] 789	[illegible]	P.B. #7	
T.P.	3 322	16 625	3 [illegible]	[illegible]		
"	5 18[illegible]	[illegible]	5 448	11 177		
"	1 442	14 881	2 918	13 439		
P.B. #8			6 [illegible]	7 [illegible]	P.B. #8	
		Afternoon			(looks like a storm coming up)	
T.B.M. #28	2 791	64 146		[illegible] 355	Fg. 233	
T.P.	11 305	72 931	2 520	61 626		
T.P.			[illegible] 804	[illegible] 127		

Profile Notes Red. _____ Plotted _____ Job No. 030102 Division No. 10 F. B. 2254 Pg. 235

No. _____ Date _____ Date _____ Survey of [illegible] Net

X-Sec. Notes Chkd. _____ Checked _____ Survey by Enabsh Notes Ed. Date [illegible]

No. _____ Date _____ Date _____ Map No. _____ Indexed Johnson Date _____

76L298 S & E #307 9-54

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726 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	10 753	[illegible]		[illegible]		
"	10 783	92 959	[illegible]	[illegible]		
"	10 827	[illegible]	0 604	[illegible]		
"	11 896	114 013	[illegible]	102 117		
"	[illegible]	[illegible]	[illegible]	[illegible]		
T.B.M. #25	[illegible]	132 [illegible]	[illegible]	[illegible]	T.B.M. #25	
T.P.	[illegible]	[illegible]	1 [illegible]	[illegible]		
"	[illegible]	[illegible]	[illegible]	142 065		
"	[illegible]	[illegible]	[illegible]	[illegible]		
	11 [illegible]	[illegible]	[illegible]	[illegible]		
	[illegible]	[illegible]	[illegible]	[illegible]		
	[illegible]	[illegible]				
	[illegible]	[illegible]	[illegible]			
	[illegible]	[illegible]	[illegible]			
Sta. K				213 [illegible]		
T.P.	0 572	204 131		203 559		
B.M. 34 17 A			[illegible]	194 217	[illegible]	194.188, F.E. 1355-44

F. B. 2254 Pg. 236 Job No. [illegible] Division No. 10 Notes Red. Plotted Profile
Survey of [illegible] Date Date No.
Survey by English Notes Ed. Notes Chkd. Checked X-Sec.
Indexed K. C. Johnson Date Date Date No.

76L298 307 10-51

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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
Level Line #4						2-20-57
B.M. 34-18	8 257	176 937		168 680	B.M. 34-18, el = 168.680, F.B. 1355-22	
T.P.	11 379	187 453	0 863	176 074		
"	9 222	196 411	0 264	187 189		
"	6 481	200 45[illegible]	2 391	194 020		
"	4 467	200 136	4 782	195 669		
"	4 647	199 137	5 646	194 490		
B.M. 34-17A	5 263	199 447	4 953	194 184	B.M. 34-17A, el = 194.188, F.B. 1352-44	
T.P.	6 522	201 350	4 619	194 828		
"	6 220	201 950	5 620	195 730		
"	11 801	208 940	4 811	197 139		
"	10 249	218 329	0 860	208 080		
P.I. #17	11 589	227 729	2 189	216 140	P.I. #17	
T.P.	10 184	237 276	0 637	227 092		
"	7 018	242 905	1 389	235 887		
J-1A			2 806	240 099	J-1A	
P.I. #17	5 327	221 467		216 140	P.I. #17	
T.P.	1 997	212 651	10 813	210 654		
"	3 551	206 334	9 668	202 983		
B.M. "D"	8 575	206 534	8 575	197 959	B.M. "D"	

Profile Notes Red ____ Plotted ____ Job No. 030102 Division No. 10 F.B. 2054 Pg. 237
No. ____ Date ____ Date ____ Survey of [illegible] Net
X-Sec. Notes Chkd ____ Checked ____ Survey by English Notes Ed. Date 2-20-57
No. ____ Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76L298 307 10-51

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Do not extend notes this side of this line.

Rain

STATION	B. S.	H. I.	F. S.	ELEV.		
		206 534				
T.P.	1 427	2[illegible] 825	3 136	2[illegible] 398		
Sta. J-1	7 822	221 919	3 728	[illegible] 017	Sta. J-1	
T.P.	9 607	230 193	1 332	2[illegible] 586		
Sta. J-3			[illegible]	[illegible]	Sta. J-3	West - Side - East
Portuguese Canyon				(+) 0 463	mean diff.	+ 3.870 + 3.820
						- 3.426 - 3.338
Sta. J-4	1 359	226 015		224 656	Sta. J-4	(+) .444 (+) .482
T.P.	1 306	211 077	10 241	21[illegible] 771		
R-2	4 787	210 703	11 161	20[illegible] 916	R-2	
T.P.	4 613	209 008	[illegible]	204 395		
Sta. J-5	8 536	212 622	4 862	204 14[illegible]	Sta. J-5	
T.P.	3 939	[illegible] 392	2 249	[illegible]		
T.B.M. #15	6 958	208 188	7 162	201 230	T.B.M. #15	
T.P.	6 414	211 179	3 423	207 765		
B.M. 50-13			3 269	207 910	B.M. 50-13, el. = 207.868, F.B. 2300-22	

F.B. 2259 Pg. 238 | Job No. 0301.02 | Division No. 10 | Notes Red. | Plotted | No. | Profile
Survey of L.A. Co. Roads Div. | Notes | Date | Notes Chkd. | Date | Checked | Date | No. | X-Sec.
Survey by E.H.P./S.L. | Date | Indexed A. C. Johnson | Date

76L298 307 10-51

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726 LOS ANGELES COUNTY
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STATION	B. S.	H. I.	F. S.	ELEV.		
Level Line #5				(F.B. 2254-195 & 196)		2-21-57
B-1D	1 329	471 804		470 475	B-1D (field elev.)	
T.P.	0 900	463 229	9 475	462 329		
"	2 707	454 024	11 912	451 317		
B-1C	1 256	443 557	11 723	442 301	B-1C	
T.P.	2 587	439 581	11 563	431 994		
"	1 815	427 673	8 723	425 858		
P.T. #1	0 571	421 029	7 215	420 458	P.T. #1	
T.P.	0 892	410 382	11 539	409 490		
P.T. #2	0 934	399 509	11 807	398 575	P.T. #2	
T.P.	3 976	393 604	9 881	389 628		
P.T. #3	0 582	387 156	6 430	387 174	P.T. #3	
T.P.	1 644	380 028	9 372	378 384		
P.T. #4	0 720	372 037	8 711	371 317	P.T. #4	
	Dogleg					
T.P.	3 083	363 827	11 293	360 744		
H-1	0 686	353 519	10 994	352 833	Sta. H-1	
T.P.	1 141	343 933	10 727	342 792		
H-2	0 618	333 018	11 533	332 400	H-2	
T.P.	1 716	323 567	11 167	321 851		
H-4			9 034	314 533	H-4	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0301.02 Division No. 16 F.B. 2254 Pg. 239
X-Sec. No. ____ Date ____ Date ____ Survey of L.A.Co. Precise Level Net
Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 2-21-57
No. ____ Date ____ Date ____ Map No. ____ Indexed C. Johnson Date ____

76L298 307 10-51

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726 LOS ANGELES COUNTY
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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
P.T. # 4	6 078	377 395		371 317	(Dogleg)	
T.P.	9 600	384 092	2 903	374 492		
"	11 630	391 462	4 260	379 832		
"	7 968	397 567	1 863	389 599		
W. Fix			3 800	393 767	W. Fix	
P.T. # 4	0 739	372 056		371 317	(Pg. 239)	
T.P.	0 567	361 129	11 494	360 562		
"	0 697	351 287	10 539	350 590		
P.T. # 5	1 175	343 855	8 607	342 680	P.T. # 5	
T.P.	0 994	333 985	10 864	332 991		
"	1 090	323 610	11 465	322 520		
P.T. # 6	8 482	324 058	8 034	315 576	P.T. # 6	
		Dogleg				
I - 1	0 813	320 067	4 804	319 254	I - 1	
T.P.	0 814	313 460	7 421	312 646		
"	1 448	303 415	11 493	301 967		
"	2 751	295 430	10 736	292 679		
I - 2			4 789	290 641	I - 2	
I - 3			8 308	287 122	I - 3	

F.B. 2254 PG. 240 Job No. 0301.02 Division No. 10 Notes Red. Plotted Profile
Survey of L.A. Co. Precise Lev. Net Date Date No.
Survey by English Notes Ed Notes Chkd. Checked X-Sec.
Indexed C. Johnson Date Date Date No.

76L298 307 10-51

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
P.T. #6	0 297	315 873		315 576	(pg. 240)	
L #1			4 069	311 804	L #1, see Geodetic Survey Notes for location.	
T.P.	0 804	305 786	10 891	294 982		
"	0 815	295 280	11 321	294 465		
"	0 332	284 338	11 281	283 999		
P.T. #7	10 657	284 664	10 331	274 007	P.T. #7	
		Dogleg				
T.P.	10 961	2[illegible]	0 850	283 814		
"	10 962	304 ~~[illegible]~~ 934	0 862	293 ~~[illegible]~~ 72		
"	10 308	314 ~~[illegible]~~ 316	0 926	3.0~~[illegible]~~ 4 008		
Blakesley			9 226	305 ~~[illegible]~~ 090	Blakesley	
P.T. #7	2 237	276 244		274 007	P.T. #7	
T.P.	1 652	270 919	5 977	279 267		
"	0 738	259 910	11 247	259 172		
"	0 799	249 301	11 358	248 502		
"	0 176	237 961	11 516	237 785		
"	0 697	227 261	11 397	226 564		
"	1 248	218 2[illegible]	10 302	216 959		
"	2 198	210 640	9 765	208 472		
B.M."C"	0 801	205 555	5 886	204 754	B.M. "O"	

Profile No. ____ Notes Red ____ Plotted ____ Job No. 0301.02 Division No. 10 F.B. 2254 Pg. 241
X-Sec. No. ____ Date ____ Date ____ Survey of L.A. Co. Precise Lev. Net.
Notes Chkd ____ Checked ____ Survey by Engleh Notes Ed. Date 2-21-57
Date ____ Date ____ Map No. ____ Index Johnson Date ____

76L298 307 10-51

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F.B. 2259 Pg. 292 | Job No. 030.02 | Division No. 10 | Notes Red. | Plotted | Profile No.
Survey of L.A. Precise Lev. Net | Date | Date | X-Sec. No.
Survey by Langish | Notes Ed. | Notes Chkd. | Checked | Date | Date
Indexed K. C. Johnson | Date

STATION	B. S.	H. I.	F. S.	ELEV.		
		205 555				
T.P.	2 159	196 147	10 961	194 588		
B.M. 34-17A			2 589	194 158	B.M. 34-17A, el.= 194.188, F.B. 1355-44	
Level	Line	#	1			2-25-57
T.B.M. #31	3 200	170 243		167 043	T.B.M. #31 (Field elev.)	
B.M. "F"	10 [illegible]	178 606	2 379	[illegible]	B.M. "F"	
T.P.	11 522	188 835	1 293	177 313		
"	11 647	199 972	0 510	[illegible]		
"	10 208	209 483	0 697	199 275		
"	10 990	215 655	4 818	206 665		
W.F. # 1			5 161	210 494	W.F. # 1	
T.P.	11 788	226 942	0 501	215 154		
"	11 289	237 744	0 [illegible]	226 455		
"	11 573	248 865	0 452	237 292		
"	11 146	259 504	0 507	248 358		
"	11 448	270 575	0 377	259 127		
"	11 220	280 559	1 236	[illegible]		
P.B. # 10	2873	282 424	1 508	279 551	P.B. #10	
T.P.	11 703	291 805	2 322	280 102		
B.C.	11 646	302 699	0 752	291 053	B.C.	
T.P.			0 612	302 087		

76L298 307 10-51

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STATION	B. S.	H. I.	F. S.	ELEV.		
	11 478	313 565		302 087		
T.P.	11 500	324 179	0286	313 279		
T.P.	11 398	335 847	0330	324 449		
P.I. #1	1 149	336 706	0290	335 557	P.I. #1	
T.P.	0 520	325 668	11 558	325 148	(Beg. Deg/Leg)	
"	0 676	314 787	11 557	314 111		
"	0 957	304 345	11 401	303 386		
"	0 973	294 369	10 949	293 396		
"	0 956	284 803	10 322	283 847		
S.P.A. H-7A			3 602	282 201	S.P. H-7A	B.C.C.
"			3 384	282 419	" " "	(end Deg/Leg)
P.I. #1	8 554	344 111		335 557	P.I. #1	
P.I. #2	11 491	352 151	3 450	340 661	" #2	
T.P.	11 800	362 631	3 319	350 832		
"	11 858	373 830	0 660	361 972		
P.I. #3	7 248	380 185	0 893	372 937	P.I. #3	
T.P.	7 109	383 866	3 428	376 757		
"	10 901	392 060	2 707	381 159		
"	11 166	402 551	0 675	391 385		
			0 832	401 719		

Profile No. ____ Notes Red ____ Plotted ____ Job No. 03-1162 Division No. 16 F.B. 2254 Pg. 243
X-Sec. No. ____ Date ____ Date ____ Survey of LAS VEGAS STORM DRAIN NO. 7
Notes Chkd ____ Date ____ Checked ____ Date ____ Survey by LUGUSH Notes EEC Date 2-25-57
Map No. ____ Date ____ Andrew Johnson

76L298 307 10-51

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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	11 481	413 201		421 719		
"	11 032	422 433	1 800	411 401		
R.M. #2	4 742	426 493	6 682	421 751	R.M. #2	
G-7			5 780	420 713	S.P. Hills	G-7
R.M. #1			4 658	421 835	R.M. #1	
T.P.	0.673	416 438	10 723	415 765		
"	4 103	412 044	8 497	407 941		
"	3 801	409 895	5 950	406 094		
P.I. #4	3 726	407 798	5 [illegible]	404 072	P.I. #4	
T.P.	3 841	406 169	5 470	402 328		
"	6 960	406 421	6 705	399 461		
T.B.M. #30	6 [illegible]	4[illegible] 525	1 [illegible]	405 322	T.B.M. #30	
T.P.	[illegible]	415 592	3 622	[illegible]		
"	[illegible]	412 9[illegible]	5 9[illegible]	[illegible]		
P.I. #3			4 457	408 492	P.I. #3	
T.P.	3 537	410 458	[illegible]	[illegible]		
T.P.	3 855	408 343	5 470	404 488		
P.B. #9	3 249	407 992	4 200	404 143	P.B. #9	
T.P.	5 962	409 792	4 160	403 832		
"	5 668	411 798	3 662	406 130		
"			4 272	407 526		

F.B. 2254 PG244

Job No. 030102 Division No. 10

Survey of L.A. Co. PRECISE LEVEL NET

Survey by ENGLISH Notes FIELD

Indexed C. Johnson Date

Profile No.

X-Sec. No.

Plotted Date

Checked Date

Notes Red. Date

Notes Chkd. Date

76L298 307 10-51

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726 LOS ANGELES COUNTY
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STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	9 764	417 290		407 526		
"	11 674	428 762	0 202	417 [illegible]		
"	11 029	438 501	1 290	427 472		
	11 301	449 279	0 423	438 078		
"	11 530	460 372	0437	448 842		
"	11 720	471 410	0 682	459 690		
B-1 D			0 [illegible]	470 [illegible]	B-1 D	
	Level Line # 2				(Afternoon)	2-25-57
B-1 D	1 410	471 945		470 475	B-1 D, Field elev.	
T.P.	0 949	463 280	9 614	462 331		
"	2 670	453 [illegible]	11 957	451 323		
B-1 C	1 [illegible]	[illegible]	11 679	442 314	B-1 C	
T.P.	2 804	454 [illegible]	11 565	432 009		
"	2 464	[illegible]	[illegible]	425 [illegible]		
B-1 B			5 031	[illegible]	B-1 B	
B-1 A	8 338	425 [illegible]	11 [illegible]	[illegible]	B-1 A	
B-1			3 203	[illegible]	B-1	
T.P.	5 042	[illegible]	1 [illegible]	[illegible]		
"	1 276	[illegible]	[illegible]	[illegible]		
C-1	5 667	441 860	0 [illegible]	[illegible]	C-1	
D-1	8 012	445 317	4 555	437 [illegible]	D-1	

Profile
No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 0301.02 Division No. 10
X-Sec. ____ Date ____ Survey of [illegible] Notes Ed. Date 2-25-57
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 2-25-57
Map No. ____ Indexed J. C. Johnson Date ____

F.B. 2254 Pg. 245

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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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

Do not extend notes this side of this line.

STATION	B. S.	H. I.	F. S.	ELEV.		
		445 317				
F-1	4 178	[illegible]	[illegible]	[illegible]	E-1	
T.P.	[illegible]	[illegible]	[illegible]	721		
R.D. [illegible]			[illegible]	[illegible]	[illegible]	
T.P.	[illegible]	[illegible]	[illegible]	[illegible]		
[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
T.B.M. #1	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
T.P.	[illegible]	[illegible]	[illegible]	[illegible]		
D-2	0 832	[illegible]	[illegible]	[illegible]	Sta. D-2	
T.P.	[illegible]	[illegible]	[illegible]	[illegible]		
	[illegible]	[illegible]	[illegible]	[illegible]		
	[illegible]	[illegible]	[illegible]			
	1 [illegible]	[illegible]	[illegible]	[illegible]		
B-2			[illegible]	[illegible]	[illegible]	
B.M. 50-[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]	
T.P.	[illegible]	[illegible]	[illegible]	[illegible]		
T.P.	[illegible]	[illegible]	[illegible]	[illegible]		
R-1		[illegible] 450	[illegible]	[illegible]	R-1	
T.P.	[illegible]	262	[illegible]	532		
T.P.	0462	345 409	[illegible]	4947		
T.P.	1465	336 446	10 428	334 981		
STA. A-3	9689	337957	8178	328 268	STA. A-3	

F.B. 2254 Pg. 246

Job No. 0301.22 Division No. [illegible] Notes Red. Plotted No. Profile

Survey of L.A. Co. Precise Lev. Net Date Date No. X-Sec.

Survey by [illegible] Notes Ed. Notes Chkd. Checked

Index [illegible] Date Date No.

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STATION	B. S.	H. I.	F. S.	ELEV.		
STA		337 957			STA.	
F-3	8035	334 783	11 209	326 748	F-3	
T.P.	8003	331 191	11 595	323 188	T.P.	
A-4	4468	326 661	8998	322 193	A-4	
G-1	6 848	322 56[illegible]	10 14[illegible]	31 57[illegible]	G-1	
T.P.	[illegible]	318 109	[illegible]	[illegible]		
SHIELD	3 [illegible]	[illegible]	[illegible]	31 0304	[illegible]	
T.P.	[illegible]	[illegible]	[illegible]	[illegible]		
T.P.	[illegible]	[illegible]	[illegible]	[illegible]		
T.P.	[illegible]	[illegible]	[illegible]	[illegible]		
T.P.	[illegible]	[illegible]	[illegible]	[illegible]		
T.P.	[illegible]	[illegible]	10 78[illegible]	26 [illegible]		
T.P.	0 588	254 457	[illegible]	[illegible]		
T.P.	1 027	243 791	11 693	242 764		
T.P.	0 361	234 015	10 157	233 654		
T.P.	3 1[illegible]	225 430	11 7[illegible]	222 242		
T.P.	0 640	215 466	10 604	214 826		
T.P.	6 127	[illegible]	10 74[illegible]	204 7[illegible]		
B.M. 50-13			[illegible]	207 860	B.M. 50-13, el= 207.868, F.B. 2400-[illegible]	
Level Line # 4 (REJECT) 2-26-57						
	2 990	210 858		207 868	B.M. 50-13	
T.P.			6 127	204 731		

Profile
No. ____ Date ____ Notes Red ____ Plotted ____ Job No. 0301 Division No. 10 F.B. 2254 PG. 247
X-Sec. Date ____ Date ____ Survey of L.A. Co. Precise Level Net
No. ____ Date ____ Notes Chkd. ____ Checked ____ Survey by English Notes Ed. Date 2-26-57
Date ____ Date ____ Map No. ____ Indexed Johnson Date ____

76L298 307 10-51

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STATION	B. S.	H. I.	F. S.	ELEV.			
T.P.	3 631	[illegible]		204 771			
T.B.M. #15	6 972	208 126	7 20[illegible]	[illegible] 15[illegible]	T.B.M. #15		
T.P.	8 275	212 651	3 750	[illegible] 37[illegible]			
J-5	4 708	208 780	[illegible]	204 072	J-5		
T.P.	6 311	210 642	4 457	204 323			
R-2	11 [illegible]	21[illegible] 7 114	[illegible]	205 85[illegible]	R-2		
T.P.	10 12[illegible]	[illegible]	[illegible]	21[illegible]			
J-4			1 [illegible]	224 537	J-4	π-East	π-West
J-3	[illegible]	2 778	0 471	22[illegible] 5 365		+ 3.868	+ 3.171
[illegible]	[illegible]	4 068		1 746		- 4.342	- 3.640
J-1		6 237		5 260	J-1	- 0.474	- 0.461
[illegible]	2 979	20[illegible] 7 565		4 586			
[illegible]			8 332	19[illegible] 9 233			
T.P.	9 443	21[illegible] 3 630	3 378	20[illegible] 4 187			
T.P.	10 494	22[illegible] 2 357	1 767	21[illegible] 1 863			
P.I. #17	11 499	22[illegible] 8 858	4 998	21[illegible] 7 359	P.I. #17		
T.P.	10000.	23[illegible] 8 290	0 568	22[illegible] 8 290	(Beg. Dogleg)		
"	6 391	24[illegible] 3 469	1 212	23[illegible] 7 078			
J-1A			2 190	23[illegible] 41 279	Sta. J-1A (end Dogleg)		
P.I. #17	2,612	21[illegible] 9 971		21[illegible] 7 359			
T.P.			10681	20[illegible] 9 290			

REJECT

Profile No. X-Sec. No.

Plotted Date Checked Date

Notes Red Date Notes Chkd. Date

Division No. 10 Notes Ed. Date

Job No. 0301.02 Notes Date

Survey of L.A. [illegible] Pg. 248

Survey by [illegible] Notes

Indexed [illegible] C. Johnson

76L288 307 10-51

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726 LOS ANGELES COUNTY
ENGINEERING BLDG.

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.042
.034

STATION	B. S.	H. I.	F. S.	ELEV.		
T.P.	1 493	209 484		207 991		
"	3 731	201 894	11 321	198 163		
"	5 530	201 134	6 290	195 604		
"	4 489	199 284	6 339	194 795		
B.M. 34-17 A	4 903	199 049	5 138	194 146	B.M. 34-17 A, el = 194.188, F.B. 1355-44	
T.P.	5 488	199 740	4 597	194 452		
T.P.	4 642	200 272	4 310	195 630		
T.P.	2 194	196 169	6 297	193 975		
"	0 200	187 348	9 021	187 148		
"	0 831	176 869	11 310	176 038		
B.M. 34-18			8 223	168 696	B.M. 34-18, el. = 168.680, F.B. 1355-22	
Level Line # 3 ↓ 6K ↓						2-27-57
BM 50-13	2379	210 247		207 868	B.M. 50-13, EL. 207.868, F.B. 2450-22	
T.P.	0629	200 437	10 439	199 808		
"	1228	191 772	9893	190 544		
"	0958	181 710	11 020	180 752		
"	0577	170 364	11 923	169 787		
"	0577	159 149	11 792	158 572		
"	0269	147 815	11 603	147 546		
K-5	4777	140 816	11 776	136 039	B.M. K-5 ELEV. 136.040 (Field elev.)	
T.P.			8058	132 758		

REJECT to here.

Notes Red ____ Plotted ____ Job No. 0301.02 Division No. 10 F.B. 2254 Pg. 249
Date ____ Date ____ Survey of L.A. Co. Precise Level Net
Sec. Notes Chkd ____ Checked ____ Survey by English Notes Ed. Date 2-26-57
Date ____ Date ____ Map No. ____ Date 3-4-57

Job No. 030102 Division No. 10 Notes Red. Plotted
Survey of L.A. Co. PRECISE LEVEL NET Date Date
Survey by ENGLISH Notes E.F.E. Notes Chkd. Checked
Indexed A. C. Johnson Date Date Date No.

"	0 343	122 586	10 988	122 543		
T.P.	0 264	111 457	11 693	111 193		
"	0 881	100 581	11 757	99 100		
"	3 330	94 049	9 862	96 [illegible]		
K-4	0 477	87 475	7 055	8[illegible] 994	Sta. K-4	
T.P.	0 690	78 975	9 198	78 285		
"	0 900	68 412	11 455	67 512		
T.B.M. #28	3 133	64 480	7 [illegible]	61 347	T.B.M. #28	
T.P.	11 141	72 761	2 860	61 [illegible]		
"	10 518	82 656	0 623	[illegible] 138		
"	10 642	92 707	0 591	82 065		
"	10 512	102 821	0 398	92 309		
"	11 878	113 853	0 846	101 915		
T.B.M. #25	10 160	123 471	0 542	113 311	T.B.M. #25	
T.P.	9 372	132 324	0 519	122 952		
"	11 441	142 558	1 207	131 117		
"	11 562	153 582	0 538	142 020		
"			1 607	151 975		

Con't. F.B. 226 8-3

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