

APPENDIX D-9:

**GROUP DELTA CONSULTANTS, INC., LETTER TO
PLAYA CAPITAL LLC RE: “RESPONSE TO CITY OF
LOS ANGELES REVIEW COMMENTS, SUBSIDENCE
EVALUATION REVIEW,” SEPTEMBER 6, 2000**



Certified DBE/MBE

Geotechnical Engineering

Geology

Hydrogeology

Coastal Engineering

Hydrology

Hydraulics

Environmental
Engineering

September 6, 2000

Playa Capital LLC
12555 W. Jefferson Blvd., Suite 300
Los Angeles, California 90066

Attention: Mr. David Nelson

Subject: Response to City of Los Angeles Review Comments
Subsidence Evaluation Review
Playa Vista Development, California
City of Los Angeles Log No. 31309
GDC Project No. L-232

Dear Mr. Nelson:

Group Delta Consultants submitted a letter report to you dated July 12, 2000, which provided our assessment of historical subsidence in the Playa Vista area. On July 20, 2000, the City of Los Angeles Department of Building and Safety (the "Department") provided comments and requested clarifications on our subsidence report. A copy of the Department's letter is presented in Appendix A. This letter provides our response to the Department's comments.

Additional Data on Subsidence

As requested in Item 1 of the Department's letter, Psomas and Associates performed additional survey of bench marks based on a Bench Mark outside of the influence of the project area. The additional survey was referenced to a Bench Mark located outside the area of potential subsidence at the intersection of Sepulveda Blvd. and Berryman Avenue located east of 405 freeway (BM 17-0565, Figure 1). The results of the additional survey are shown in Table 1 and the locations of the bench marks are shown in Figure 1.

Based on the new data referenced to a Bench Mark outside the area of potential subsidence, we have replotted the settlement of the six points in the project area shown in our original subsidence report: Bench Marks C, H, I, J, PSO-1, and PSO-2 in Figures 3 through 8. These bench mark locations are shown in Figure 2.

The data indicate that for the six bench marks in the project area, the settlement (subsidence) during the 15 year period from 1985 to 2000, ranges between 0.72 inch and 1.4 inches with an average of 1.02 inches. The corresponding average settlement since 1974, a 26 year period, has been 1.67 inches. (See Table 1 and Figures 3 - 8.)

Further, as requested in Items 2 and 3 of the Department's letter, Table 1 also provides all other available survey data in the project area. Our evaluation of the additional eight points located further east along Jefferson Boulevard, near the project area, indicate that the settlement (subsidence) during the 15-year period from 1985 to 2000 ranges between 0.2 inch and 1.2 inches with an average of 0.72 inch.

Aside from the Bench Mark used for the survey reference (BM 17-0565), there is one additional bench mark east of the freeway (BM 17-05670). We note that this 9th point has the maximum settlement (2.06 inches) of all the data points.

Conclusions

The additional survey data referenced to B.M. 17-05650, outside the area of potential subsidence, indicates that the project area has minor settlement (about 1 inch during the past 15 years and 1.67 inches during the past 26 years). This minor settlement is general settlement over a distance of several miles and has had no adverse effect on individual structures. The additional survey does not change our prior conclusions that based on the minor changes in elevation (subsidence or heave) that might be occurring, the current recommendations for foundation systems and structural systems are appropriate. We do not recommend any changes to these recommendations.

The following Table, Figures, and Appendix are attached and complete this response to comments.

Table 1 Bench Mark Survey Data

Figure 1 Bench Mark Location Plan
Figure 2 Location of City of Los Angeles Bench Marks
Figure 3 Settlement Data Between 1970 and 2000, Location C
Figure 4 Settlement Data Between 1970 and 2000, Location H
Figure 5 Settlement Data Between 1970 and 2000, Location I
Figure 6 Settlement Data Between 1970 and 2000, Location J
Figure 7 Settlement Data Between 1970 and 2000, Location Pso-1
Figure 8 Settlement Data Between 1970 and 2000, Location Pso-2

Appendix: A City of Los Angeles Review Comments Letter dated, July 20, 2000,
Log No. 31309.



If you have any questions pertaining to this response, please do not hesitate to contact Group Delta Consultants, Inc. at (310) 320-5100.

Yours truly,

GROUP DELTA CONSULTANTS, INC.



Kul Bhushan, Ph. D., G.E.
President



TABLE I

Playa Vista Group Delta - Bench Mark Data

| BM | City of LA | Current | Primas | Diff | 1985 | 1980 | 1975 | 1974s | 1974p | 1970 | 1968 | 1963p | 1963 | 1960 | 1955 | 1953 |
|----------|------------|---------|-----------|----------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| Letter | Bm No | Status | Elevation | Pco-1985 | Adj - feet | Adj - feet | Adj - feet | Adj - feet | Adj - feet | Adj - feet | Adj - feet | Adj - feet | Adj - feet | Adj - feet | Adj - feet | Adj - feet |
| | | | Not Shot | | | | | | | | | | | | | |
| A | 17-02810 | Good | 1974 | Not Shot | | | | | 14.639 | 14.650 | | 14.691 | 14.764 | 14.826 | | |
| B | 17-02360 | Good | 1977 | | | | | | | 4.577 | 4.516 | 4.721 | 4.772 | 4.825 | | |
| C | 17-02490 | | 1985 | 8.928 | -0.069 | 8.968 | 6.913 | 7.094 | 7.017 | 7.003 | | | | | | |
| D | 17-02510 | Good | 1964 | | | | | | | | | 6.752 | 6.814 | 6.864 | 6.921 | 6.964 |
| E | 17-02630 | Good | 1977 | | | | | | | 9.130 | | 9.217 | 9.393 | 9.457 | 9.568 | |
| F | 17-02670 | Good | 1970 | | | | | | | 7.930 | | 7.968 | 8.066 | 8.151 | 8.263 | |
| G | 17-02560 | | 1975 | Not Shot | | | | | | | 6.545 | | | | | |
| H | 17-11500 | | 1985 | 8.946 | -0.094 | 8.940 | 8.648 | 6.570 | 6.457 | 6.486 | | | | | | |
| I | 17-02895 | | 1985 | 12.646 | -0.100 | 12.746 | 12.884 | 9.030 | 8.918 | 8.948 | | | | | | |
| J | 17-02845 | | 1985 | 12.224 | -0.063 | 12.287 | 12.208 | 12.883 | 12.783 | 12.823 | | | | | | |
| K | 17-02826 | | 1985 | Good | | 13.963 | 13.967 | 14.154 | 14.072 | 14.063 | | | | | | |
| PSO-1 | 17-02462 | | 1985 | 11.723 | -0.118 | 11.841 | 11.811 | 12.008 | 11.908 | 11.949 | | | | | | |
| PSO-2 | 17-02620 | | 1985 | 12.306 | -0.078 | 12.385 | 12.310 | 12.506 | 12.423 | 12.453 | | | | | | |
| 17-05660 | | | | 27.221 | 0.000 | 27.221 | | | | | | | | | | |
| 17-05771 | | | | 13.809 | -0.040 | 13.849 | | | | | | | | | | |
| 17-05781 | | | | 13.367 | -0.048 | 13.415 | | | | | | | | | | |
| 17-05766 | | | | 14.100 | -0.083 | 14.183 | | | | | | | | | | |
| 17-05820 | | | | 12.308 | -0.079 | 12.386 | | | | | | | | | | |
| 17-05645 | | | | 12.221 | -0.066 | 12.287 | | | | | | | | | | |
| 17-05866 | | | | 12.643 | -0.100 | 12.746 | | | | | | | | | | |
| 17-05724 | | | | 16.111 | -0.047 | 16.158 | | | | | | | | | | |
| 17-05706 | | | | 20.631 | -0.016 | 20.646 | | | | | | | | | | |
| 17-05670 | | | | 22.546 | -0.172 | 22.690 | | | | | | | | | | |

Note: 1) Primer elevation was derived by holding the elevation of bench mark 17-05650, 1985 adjustment. Elev = 27.221 feet
2) Bench mark 17-05620 was shot in lieu of bench mark 17-05628, which is gone.
3) Bench mark 17-02610, located at the Marina Freeway and Lincoln Boulevard, was not shot.
4) Bench mark 17-02460, located at the intersection of Lincoln Boulevard, was not shot.

1) Genome annotation was derived by RefSeq (release 17.05850) 1995 adjustment. Elev = 27.221 feet

2) Bench mark 17-05820 was shot in lieu of bench mark 17-05828, which is gone.

3) Bench mark 17-02810, located at the Marina Freeway and Lincoln Boulevard, was not shot.

4) Bench mark 17-02560, located at the centerline of Lincoln Boulevard, was not shot

Playa Vista Group Delta - Bench Mark Data

| City of LA BM No. | Status | 1985 Adj - feet | 1980 Adj - feet | 1975 Adj - feet | 1974s Adj - feet | 1974p Adj - feet | 1970s Adj - feet | 1970r Adj - feet | 1970 Adj - feet | 1968p Adj - feet | 1963s Adj - feet | 1963 Adj - feet | 1955 Adj - feet | 1953 Adj - feet | 1949 Adj - feet |
|----------------------|----------------|--------------------|--------------------|--------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|--------------------|--------------------|--------------------|--------------------|
| 17-02610 | Gone 1972 | | | | | 14.639 | | | 14.650 | 14.691 | | 14.784 | | | |
| 17-02350 | | | | | | | | | 4.577 | 4.616 | | 4.721 | | 4.825 | |
| 17-11500 | | 8.940 | 8.848 | 9.030 | 8.918 | 8.948 | | | 9.180 | 9.217 | | 9.393 | | 9.508 | |
| 17-05830 | Gone 1972 | | | | | | | | | | | | | | |
| 17-02450 | | | | 131.653 | | 131.587 | | 131.585 | 131.605 | 131.642 | | | | | |
| 17-02458 | | 94.787 | | | | | | | | | | | | | |
| 17-02460 | Bar Damaged | | 90.981 | 81.166 | | 81.102 | | 81.093 | 81.113 | | | 51.086 | 51.154 | 51.250 | 51.293 |
| 17-02470 | Gone 1969 | | | | | | | | | | | | | | |
| 17-02472 | | 46.381 | 46.316 | 46.502 | | 46.432 | | 46.422 | | | | | | | |
| 17-02490 | | 6.988 | 6.913 | 7.094 | | 7.017 | | 7.003 | | | | | | | |
| 17-02491 | Gone 1972 | | | | | | | | 6.790 | 6.828 | | 6.945 | | 7.057 | |
| 17-02492 | | 11.841 | 11.811 | 12.008 | | 11.949 | | | | | | 6.752 | 6.814 | 6.921 | 6.954 |
| 17-02510 | Gone 1968 | | | | | | | | | | | | | | |
| 17-05722 | | 16.453 | | | | | | | | | | | | | |
| 17-05724 | | 16.158 | 16.050 | 16.255 | 16.179 | 16.189 | | | 25.963 | 26.014 | | | | | |
| 17-05725 | | | | 26.050 | | 25.980 | | 25.979 | 14.175 | 14.209 | | | | | |
| 17-05729 | Abandoned 1973 | | | | | | | | | | | | | | |
| 17-05730 | Gone 1969 | | | | | | | | 14.219 | 14.253 | | 16.501 | 16.574 | 16.600 | 16.706 |
| 17-05740 | Gone 1972 | | | | | | | | 13.306 | 13.341 | | 14.395 | 14.473 | | |
| 17-05750 | Gone 1972 | | | | | | | | 12.679 | 12.714 | | 13.470 | 13.540 | 13.572 | |
| 17-05770 | Gone 1972 | | | | | | | | | | | 12.843 | 12.915 | 12.943 | |
| 17-05771 | | 13.348 | 13.757 | 13.941 | 13.859 | 13.887 | | | 11.961 | 11.997 | | 12.131 | | | |
| 17-05780 | Gone 1973 | | | | | | | | | | | | | | |
| 17-05781 | | 13.415 | 13.323 | 13.514 | 13.433 | 13.444 | | | | | | | | | |
| 17-05785 | | 14.183 | 14.111 | 14.326 | 14.249 | 14.265 | | | | | | | | | |
| 17-05790 | Gone 1973 | | | | | | | | 14.425 | 14.461 | | 14.609 | 14.689 | 14.711 | |
| 17-05800 | | 13.727 | 13.648 | 13.826 | 13.747 | 13.769 | | | | | | | | | |
| 17-05810 | Gone 1972 | | | | | | | | 14.048 | 14.085 | | 14.232 | 14.315 | 14.357 | |
| 17-05820 | | 12.385 | 12.310 | 12.506 | 12.423 | 12.453 | | | | | | | | | |
| 17-05826 | | 13.963 | 13.967 | 14.154 | 14.072 | 14.096 | | | | | | | | | |

Bm. rec
10/1/00

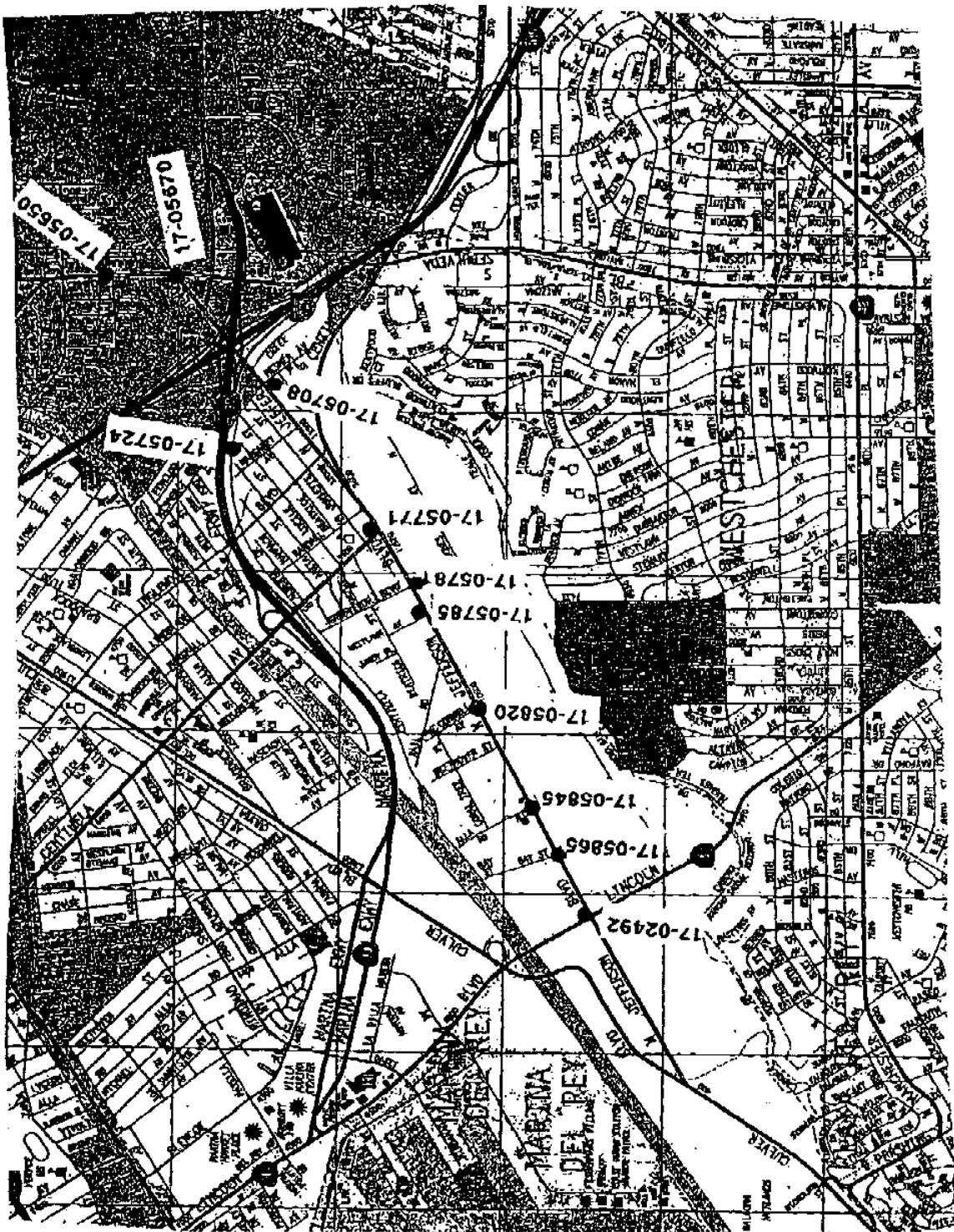
Playa Vista Group Delta - Bench Mark Data

| City of LA BM No | Status | 1985 Adj - feet | 1980 Adj - feet | 1975 Adj - feet | 1974s Adj - feet | 1974p Adj - feet | 1970s Adj - feet | 1970r Adj - feet | 1970 Adj - feet | 1968p Adj - feet | 1963s Adj - feet | 1963 Adj - feet | 1960 Adj - feet | 1956 Adj - feet | 1955 Adj - feet | 1953 Adj - feet | 1949 Adj - feet |
|---------------------|------------|--------------------|--------------------|--------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 17-06630 | Gone 1972 | 12.287 | 12.208 | 12.388 | 12.290 | 12.317 | | | 9.180 | 9.217 | | 9.383 | 9.467 | 9.508 | | | |
| 17-06845 | Gone 1973 | | | | | | | | 7.898 | 7.935 | | 8.081 | 8.146 | 8.191 | | | |
| 17-06850 | | 12.746 | 12.694 | 12.883 | 12.783 | 12.823 | | | 7.930 | 7.968 | | 8.086 | 8.151 | 8.203 | | | |
| 17-06865 | Gone 1972 | | | | | | | | | | | | | | | | |
| 17-06870 | | | | | | | | | | | | | | | | | |
| 17-18347 | | 57.123 | 57.024 | 57.212 | | 57.137 | | 57.128 | | | | | | | | | |
| 17-18350 | | | 58.674 | 58.866 | | 58.789 | | 58.764 | 58.770 | | | | | | | | |
| 17-18375 | | 55.866 | | | | | | 55.501 | | | | | | | | | |
| 17-18400 | | 55.492 | 55.397 | 55.598 | | 55.511 | | | | | | | | | | | |
| 17-18410 | | 58.512 | | | | | | | | | | | | | | | |
| 17-18430 | | 54.737 | | | | | | 57.391 | | | | | | | | | |
| 17-18450 | | 57.369 | 57.280 | 57.473 | | 57.393 | | | | | | | | | | | |
| 17-18470 | | 53.281 | | | | | | 51.894 | 51.917 | | | | | | | | |
| 17-18500 | | | 51.749 | 51.956 | | 51.882 | | | | | | | | | | | |
| 17-18502 | | 53.320 | | | | | | | | | | | | | | | |
| 17-18520 | | 53.100 | | | | | | | | | | | | | | | |
| 17-18540 | | 51.306 | | | | | | | | | | | | | | | |
| 17-18550 | Reset 1975 | | 52.372 | | | 52.476 | | 52.478 | 52.495 | | | | | | | | |
| 17-18560 | | 50.541 | | | | | | 48.863 | 48.882 | | | | | | | | |
| 17-18600 | | | 48.756 | 48.944 | | 48.865 | | 55.874 | 55.844 | | | | | | | | |
| 17-18750 | | | | 55.951 | | 55.882 | | 52.264 | | | | | | | | | |
| 17-18800 | | 52.234 | 52.159 | 52.344 | | 52.270 | | 51.800 | 51.827 | | | | | | | | |
| 17-18850 | | | 51.693 | 51.876 | | 51.809 | | | | | | | | | | | |
| 17-18855 | | 52.185 | | | | | | 52.874 | | | | | | | | | |
| 17-18900 | | 52.956 | 52.877 | 53.057 | | 52.994 | | | | | | | | | | | |
| 17-18930 | | 51.266 | | | | | | | | | | | | | | | |
| 17-05710 | Gone 1963 | | | | | | | | | | | | 19.306 | 19.353 | 19.428 | 19.449 | |
| 17-03427 | | 23.392 | 23.307 | 23.490 | | 23.421 | | 23.417 | 24.280 | 24.308 | | 24.464 | 24.543 | 24.583 | | | |
| 17-03430 | Gone 1972 | | | | | | | 33.976 | | | | | | | | | |
| 17-03435 | | 33.970 | 33.878 | 34.064 | | 33.984 | | | | | | | | | | | |

Bm rec
104/003

Playa Vista Group Delta - Bench Mark Data

| City of LA BM No. | Status | 1985 Adj - feet | 1980 Adj - feet | 1975 Adj - feet | 1974s Adj - feet | 1974p Adj - feet | 1970s Adj - feet | 1970r Adj - feet | 1970 Adj - feet | 1968p Adj - feet | 1963s Adj - feet | 1963 Adj - feet | 1960 Adj - feet | 1956 Adj - feet | 1955 Adj - feet | 1953 Adj - feet | 1949 Adj - feet |
|----------------------|-----------|--------------------|--------------------|--------------------|---------------------|---------------------|---------------------|---------------------|--------------------|---------------------|---------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| 17-03450 | Gone 1972 | | | | | | | | 23.531 | 23.559 | | 23.720 | 23.800 | 23.842 | | | |
| 17-03454 | | 18.140 | | | | | | | | | | | | | | | |
| 17-03455 | Gone 1979 | | | 18.423 | | 18.353 | | 18.343 | 18.344 | 18.375 | | | | | | | |
| 17-03456 | Gone 1985 | | 18.166 | | | | | | | | | | | | | | |
| 17-03457 | Gone 1979 | | | 18.125 | | 18.057 | | 18.050 | | | | | | | | | |
| 17-03350 | | | | 45.238 | | 45.141 | | 45.138 | 45.133 | 45.164 | | | | | | | |
| 17-03360 | | 45.305 | 45.223 | | | | | | | | | | | | | | |
| 17-03370 | | | | 49.069 | | 48.980 | | 48.972 | 48.969 | 49.002 | | | | | | | |
| 17-03371 | Gone 1952 | | | | | | | | | | | | | | | | 49.127 |
| 17-02530 | | 19.610 | 19.621 | | 19.589 | 19.624 | | 19.618 | | | | | | | | | |
| 17-02550 | | | 12.964 | 13.054 | 12.939 | 12.972 | | 12.967 | | | | | | | | | |
| 17-02560 | | | | 6.570 | 6.457 | 6.486 | | | 6.506 | 6.545 | | | | | | | |
| 17-02565 | | 8.553 | 8.465 | | | | | | | | | | | | | | |
| 17-02370 | | 20.033 | 19.977 | 20.181 | 20.070 | 20.109 | | | | | | | | | | | |
| 17-02380 | | 27.730 | 27.654 | 27.852 | 27.744 | 27.777 | | | | | | | | | | | |
| 17-02390 | | | 17.766 | 17.954 | 17.844 | 17.877 | | 17.866 | | | | | | | | | |
| 17-11050 | | 15.043 | 14.947 | | | | 15.072 | | | | | | | | | | |
| 17-11060 | | | | | | | | | | | | | | | | | |
| 17-11062 | | 13.173 | 13.077 | | | | 13.208 | | 12.363 | 12.404 | 12.517 | | | | | | |
| 17-11083 | | 12.615 | 12.526 | | | | 12.655 | | | | | | | | | | |
| 17-11085 | Gone 1973 | | | | | | | | | | | | | | | | |
| 17-11110 | | | | | | | | | 8.506 | 8.647 | 8.764 | | | | | | |



Project No. L-232

Playa Vista Project

GROUP DELTA
CONSULTANTS, INC.

Bench Mark Locations (after Psomas)

Figure 1

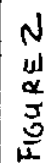
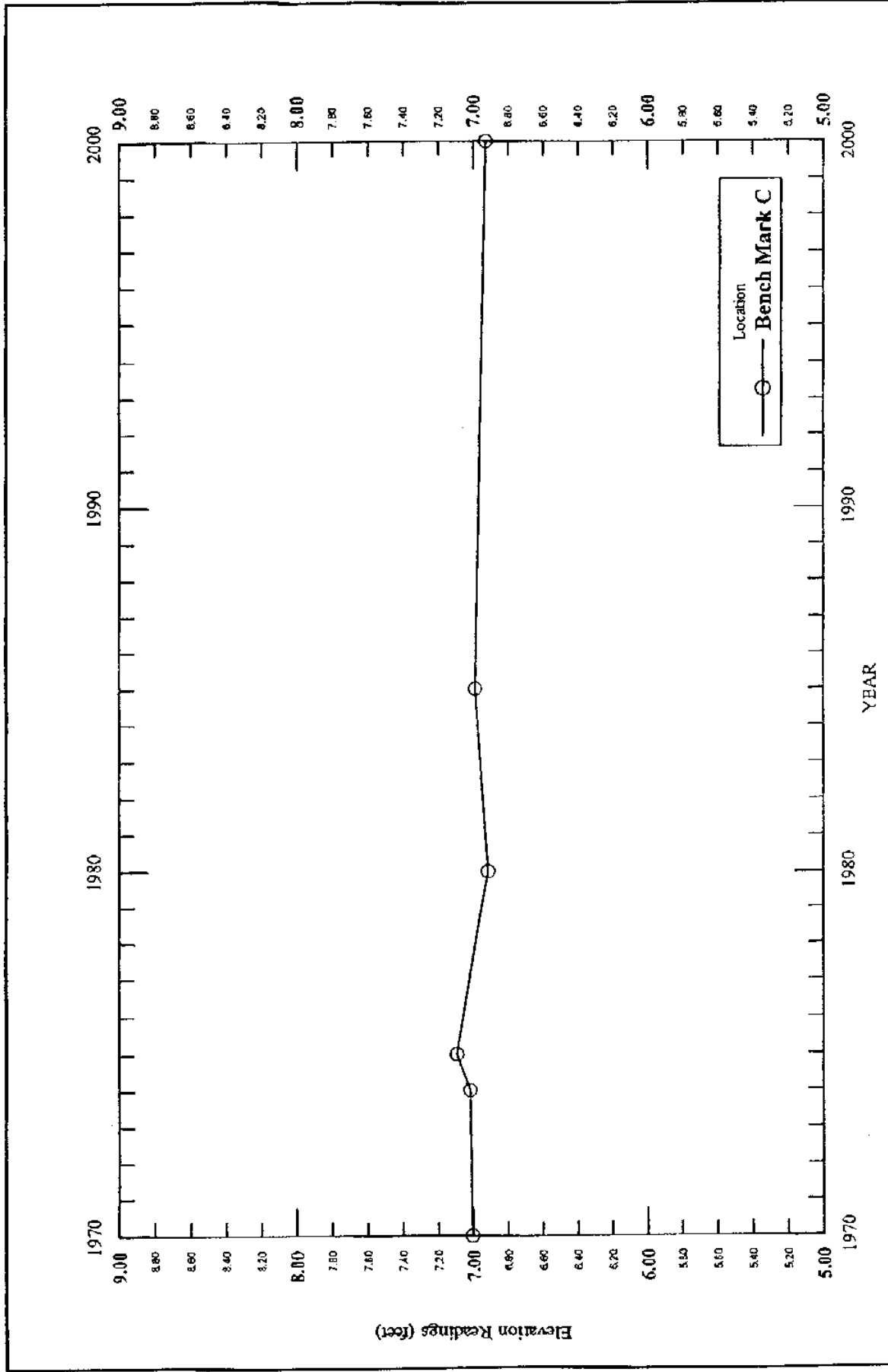


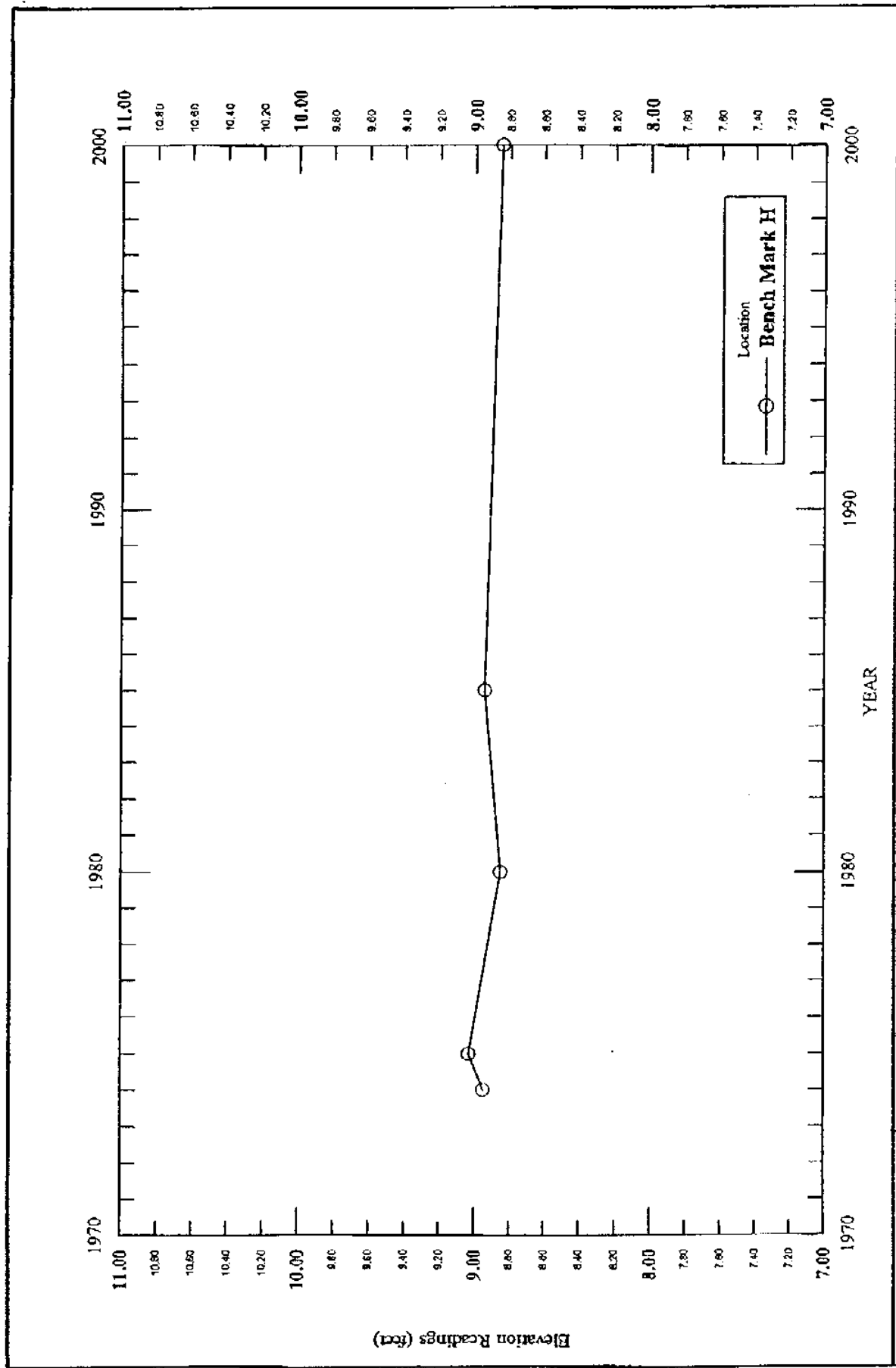
FIGURE 2



Group Delta
Consultants, Inc.

BENCH MARK DATA BETWEEN 1970 AND 2000 - Bench Mark C (Revised 8/29/00)
PLAYA VISTA TRACTS 49104-01, 49104-02, & 49104-03

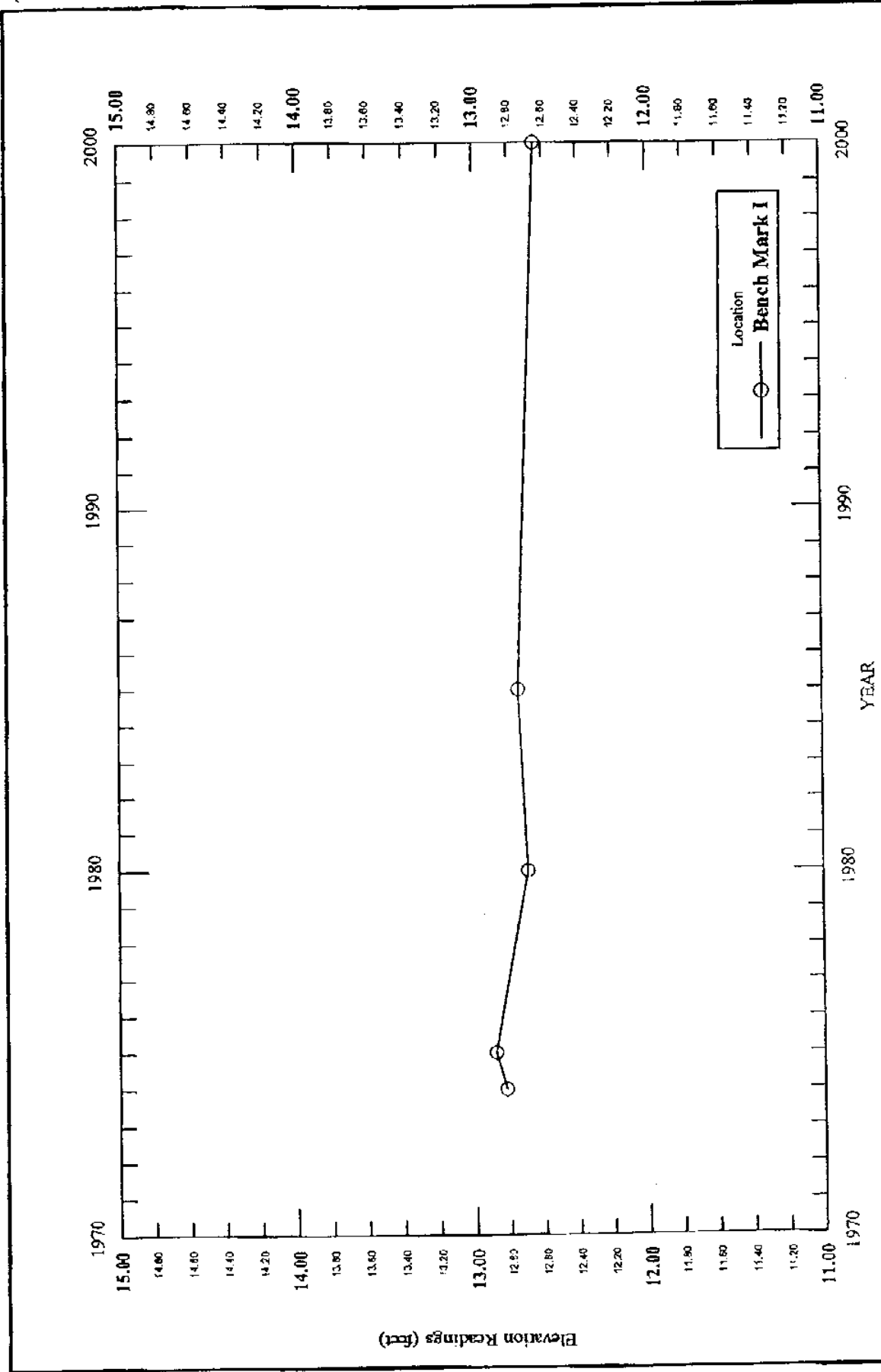
Figure 3



Group Delta
Consultants, Inc.

BENCH MARK DATA BETWEEN 1970 AND 2000 - Bench Mark H (Revised 8/29/00)
PLAYA VISTA TRACTS 49104-01, 49104-02, & 49104-03

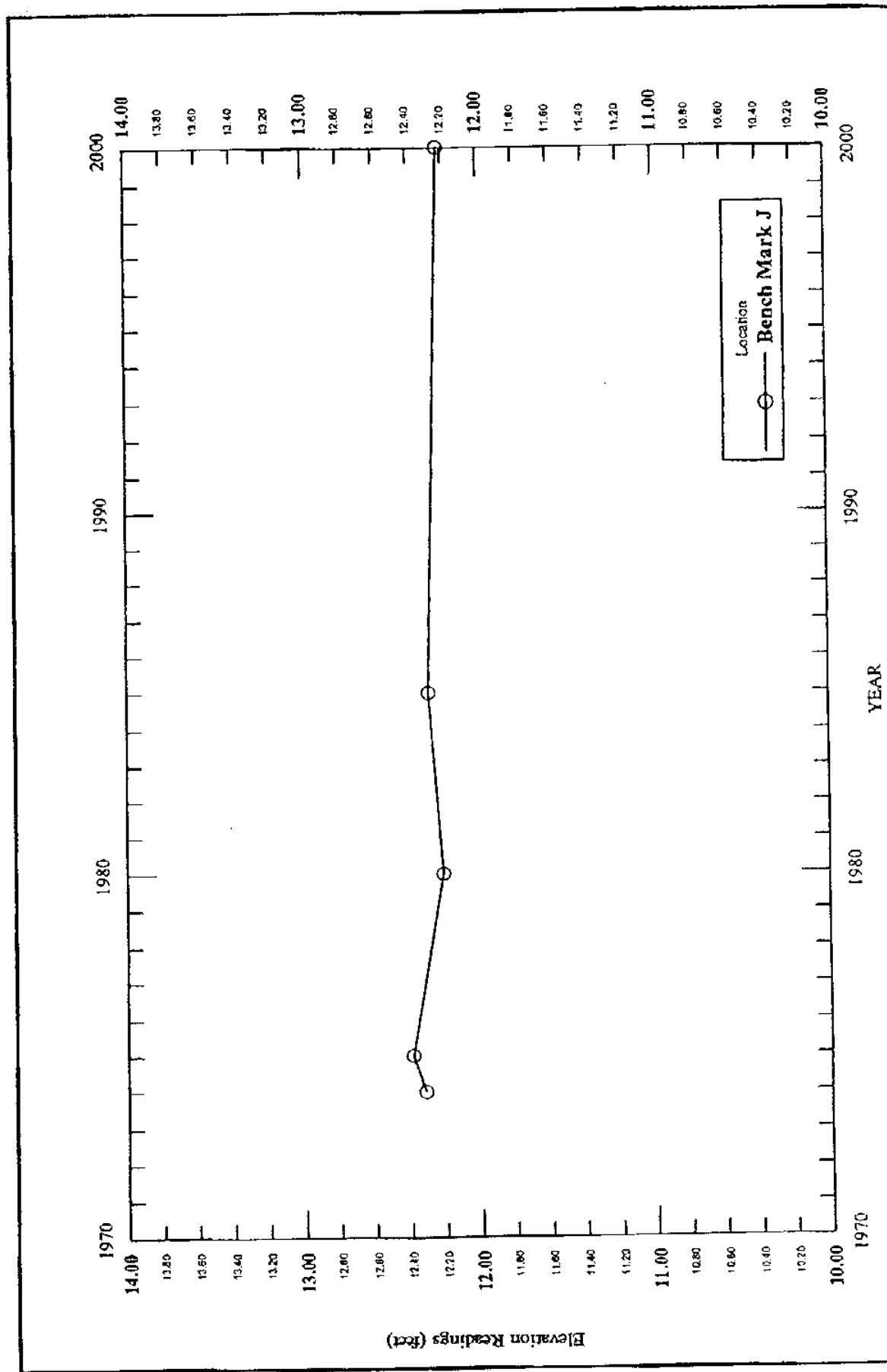
Figure 4



Group Delta
Consultants, Inc.

BENCH MARK DATA BETWEEN 1970 AND 2000 - Bench Mark I (Revised 8/29/00)
PLAYA VISTA TRACTS 49104-01, 49104-02, & 49104-03

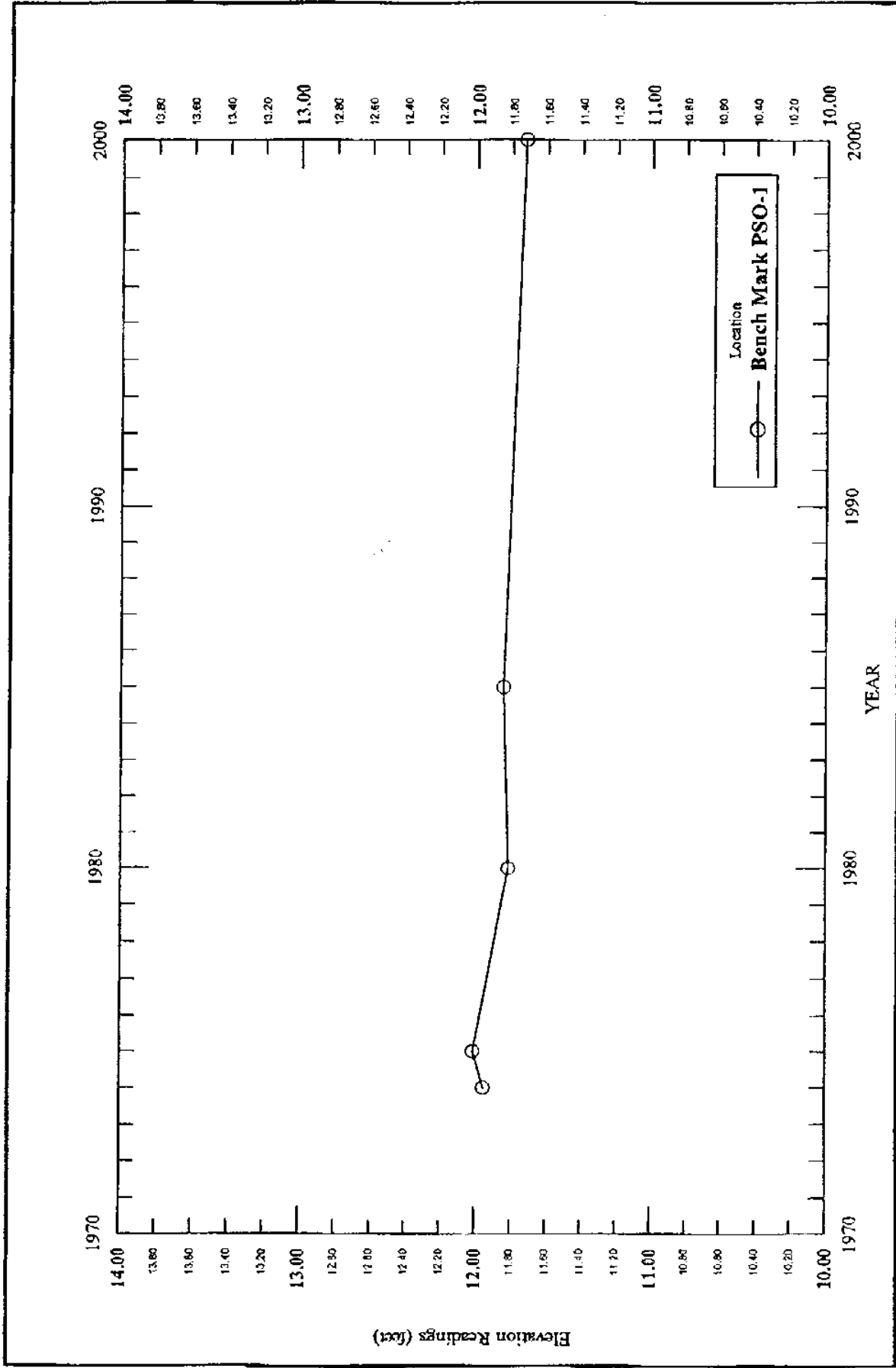
Figure 5



Group Delta
Consultants, Inc.

BENCH MARK DATA BETWEEN 1970 AND 2000 - Bench Mark J (Revised 8/29/00)
PLAYA VISTA TRACTS 49104-01, 49104-02, & 49104-03

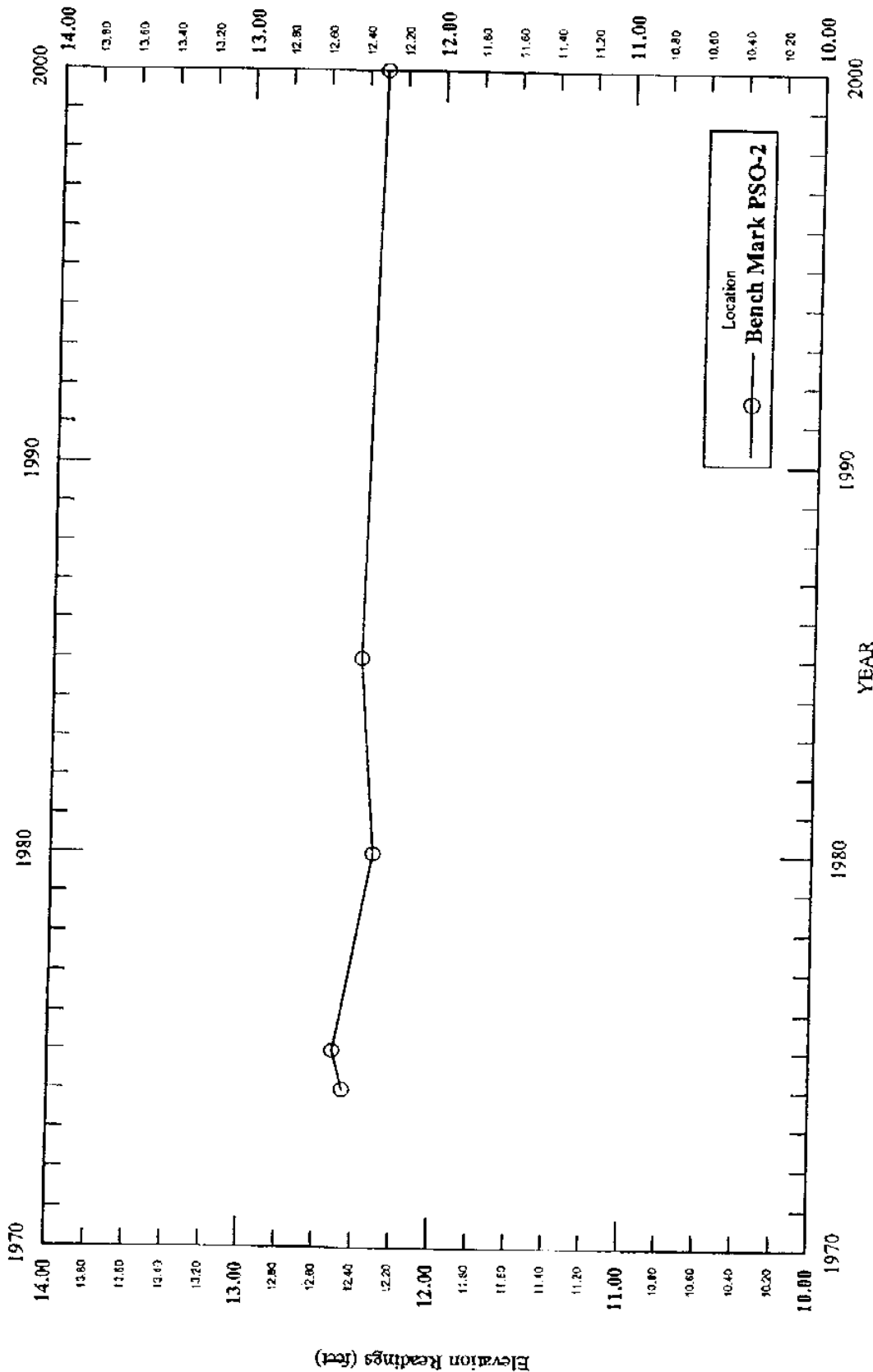
Figure 6



Group Delta
Consultants, Inc.

BENCH MARK DATA BETWEEN 1970 AND 2000 - Bench Mark PSO-1 (Rev. 8/29/00)
PLAYA VISTA TRACTS 49104-01, 49104-02, & 49104-03

Figure 7



Group Delta
Consultants, Inc.

BENCH MARK DATA BETWEEN 1970 AND 2000 - Bench Mark PSO-2 (Rev. 8/29/00)
PLAYA VISTA TRACTS 49104-01, 49104-02, & 49104-03

Figure 8

APPENDIX A

**CITY OF LOS ANGELES COMMENTS
DATED JULY 20, 2000
LOG NO. 31309**

BOARD OF
BUILDING AND SAFETY
COMMISSIONERS

MABEL CHANG
PRESIDENT

JOYCE L. FOSTER
VICE-PRESIDENT

CORINA R. ALARCON
RODNEY L. DIAMOND
CHESTER A. WIDOM

CITY OF LOS ANGELES
CALIFORNIA



RICHARD J. RIORDAN
MAYOR

DEPARTMENT OF
BUILDING AND SAFETY
201 NORTH FIGUEROA STREET
LOS ANGELES, CA 90012

ANDREW A. ADELMAN
GENERAL MANAGER

WALT KRUKOW
EXECUTIVE OFFICER

July 20, 2000

Log # 31309

SOILS/GEOLOGY FILE - 2

Playa Capital Corp.
12555 W. Jefferson Bl.
Los Angeles, CA 90066

TRACT: 49104-01, 49104-02, 49104-03, 49104-05 and 49104-06
LOCATION: 13250 W. Jefferson Bl.

| <u>CURRENT REFERENCE</u> <u>REPORT/LETTER(S)</u> | <u>REPORT</u> <u>NO.</u> | <u>DATE(S) OF</u> <u>DOCUMENT</u> | <u>PREPARED BY</u> |
|---|-----------------------------|--------------------------------------|--------------------|
| Geology/Soil Report | — | 07/12/00 | Group Delta |
| Response to 06/09/00 | — | 07/11/00 | Playa Capital |
| Response to 05/19/00 | — | 07/11/00 | " |
| Response to 12/15/99 | — | 07/11/00 | " |

| <u>PREVIOUS REFERENCE</u> <u>REPORT/LETTER(S)</u> | <u>REPORT</u> <u>NO.</u> | <u>DATE(S) OF</u> <u>DOCUMENT</u> | <u>PREPARED BY</u> |
|--|-----------------------------|--------------------------------------|--------------------|
| Department letter | - | 06/09/00 | Bldg&Safety |
| " | - | 05/19/00 | " |
| " | 29469 | 12/15/99 | " |

We are in receipt of your three letters dated July 11, 2000 and the Group Delta report dated July 12, 2000. The Group Delta report and your letters written in response to previous Department letters of December 15, 1999, May 19, 2000 and June 9, 2000 concerning the Playa Vista development have been reviewed by the Grading Section of the Department of Building and Safety. The Playa Capital response letters provide the status for compliance with the conditions of the Department letters. The report by Group Delta concerns the results of their investigation into determining whether there is any on-going subsidence at the Playa Vista site.

The Department letter dated 06/09/00 outlined the conditions for building construction on a portion of the Playa Vista site, based upon the recommendations and findings of the report by Exploration Technologies report dated 04/17/00. Playa Capital indicates that they are either in compliance or are awaiting the results of on-going studies.

The Department letter dated 05/19/00 requested additional information on four topics of concern. The referenced report by Group Delta addresses the issue of subsidence. Based upon the data provided in the report, the last survey conducted by Public Works was in 1985. Psomas and

Associates performed a survey of the Bench Marks within the site in June of 2000. The conclusion in the report is that between the years of 1980 and 2000 the surveyed Bench Marks have increased only slightly in elevation. However, it appears that the elevations of the Bench Marks are all calculated relative to Bench Mark 17-02492, which is located on the northeast corner of Lincoln and Jefferson, and that the survey was made under the assumption that this Bench Mark has had no elevation changes since 1985. It should be noted that this Bench Mark is also within the area that has had recorded subsidence. Therefore, it is not clear to the Department how Group Delta concluded that no significant elevation changes occurred between 1985 and the present. Items 1, 2 and 3, below are necessary to clarify the analysis of subsidence.

The Department letter dated 12/15/99 contains the conditions of approval for the Visitors Center and the Fountain Park Apartments. According to Playa Capital, they are either in compliance or in the process of resolving certain issues. However, it appears that the status of condition Nos. 8 and 9 need some clarification.

1. The relative elevation changes of the Bench Marks between 1985 and 2000 should be based upon a Bench Mark in the Public Works survey loop that is beyond the area of influence of subsidence.
2. Provide the survey data for all of the Bench Marks back to 1953, if available.
3. Provide all survey data for Lincoln Bl., Jefferson Bl. and Teale St. that is adjacent to the project site.
4. Provide the report required by condition No. 9 of the Department letter dated 12/15/99 that addresses the design of the elevator pits and the methane mitigation with regard to the groundwater conditions.
5. Provide all of the testing, information and analyses requested in the referenced Department letters as soon as possible.

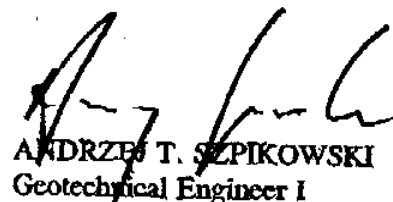
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