

LOS ANGELES COUNTY
DEPARTMENT OF PUBLIC WORKS
BENCH MARK LIST



LLANO QUAD

1998 ADJUSTMENT

**NAVD 88 DATUM
METRIC**

PREFACE
1998 LLANO QUAD

The Department of Public Works level net is composed of more than 1,700 miles (2720 kilometers) of levels supporting in excess of 9,000 bench marks. Previously when a major readjustment of the net was undertaken, the CY, CG, & CL series bench marks were re-labeled DY, DG, & DL, respectively.

Beginning in 1993, the baseline readjustment year will be indicated on baseline BM'S only, as indicated below (*). Henceforth, all BM numbers will be labeled as a Y, G, or L, series. This designation will no longer indicate the major adjustment year.

To facilitate the adjustment, indexing and distribution of adjusted values of the net, the county territory was divided into 33 quads or areas. For identification purposes, each quad was given a name, i.e., "Rosemead", "La Mirada", "Santa Fe", etc. When bench marks and elevations in these quads are used, the name must be included in the bench mark description as shown below,

* BASELINE 90.057 L&BR IN CTR OF CB RET @ NE COR LA HABRA BLVD Y 9191
(1990) 295.461 & VALLEY HOME AVE 10.7M N & 10.7. E/O C/L INT

Updating constrained adjustments will continue in the future. When a quad is readjusted, new elevations will be published and the date of readjustment will be noted in the bench mark description. Two bench marks with different adjustment dates will not normally agree with each other.

The basic accuracy of the net is reflected by an indicated field probable error of plus or minus 4mm per kilometer of leveling as determined from the conditions of closure. However, many years of experience in vertical control in the greater Los Angeles basin and Antelope Valley indicate that because of varying subsidence and heaving, the true datum is recovered only by obtaining substantial agreement from a number of different bench marks.

The users of this net are invited to assist in its maintenance by notifying this department in cases of obliteration, apparent mistakes in description or elevations, and proven disturbance of bench marks.

DATUM: North American Vertical Datum of 1988 (NAVD88)

NAVD 1988 Datum minus approximately 900mm (3.00ft) equals previous NGVD 1929 Datums. For more accurate equations at individual bench marks refer to previous publications.

ABBREVIATIONS USED IN BENCH MARK LISTINGS

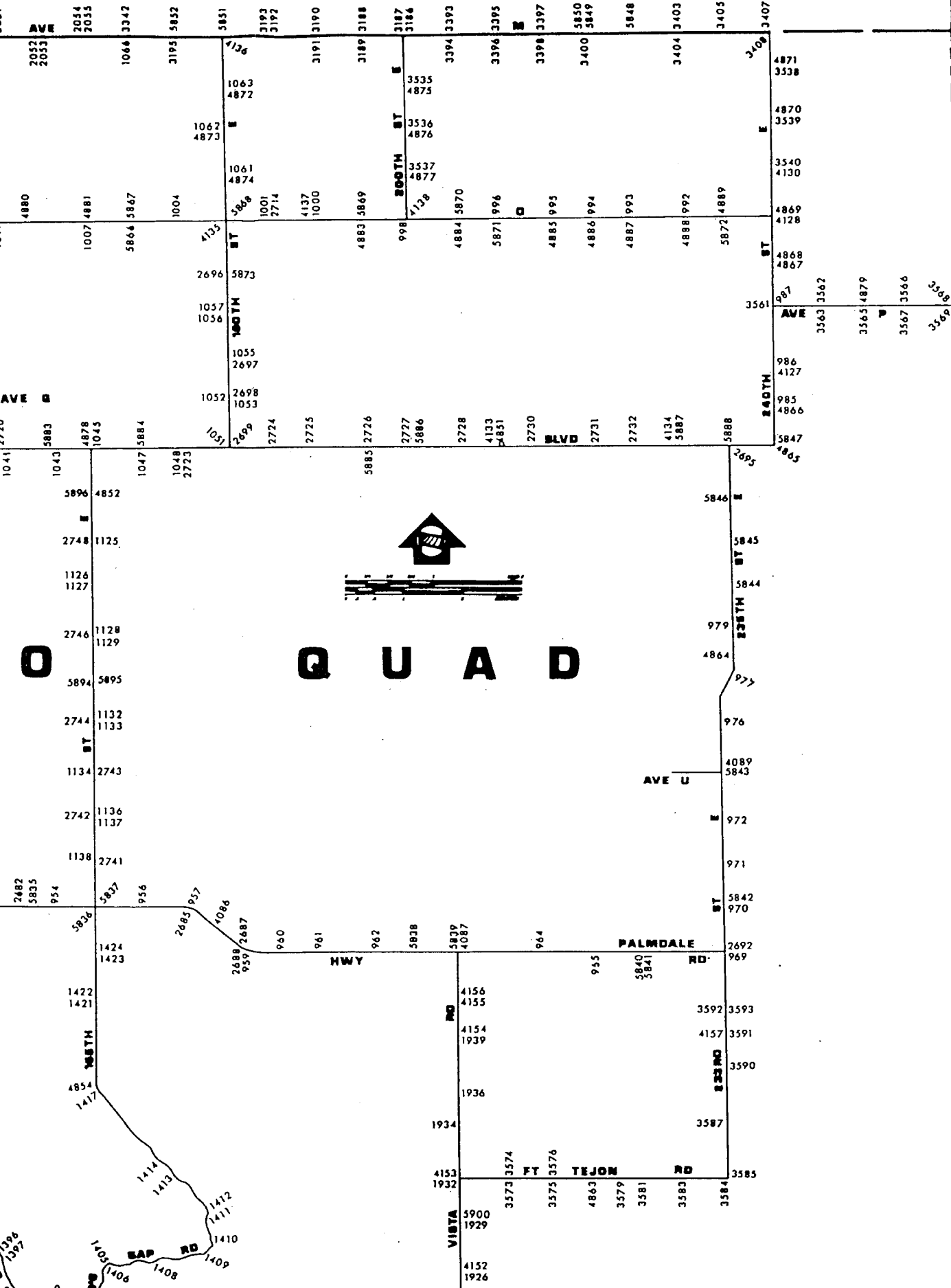
ABUT -----	Abutment	ECR -----	End of Curb Return
ALG -----	Along	EC -----	End of Curve
ANG PT -----	Angle Point	ENT -----	Entrance
B/W -----	Back of Walk	FL -----	Floor
BCR -----	Beginning of Curb Return	FTG -----	Footing
BC -----	Beginning of Curve	FRWY -----	Freeway
BLDG -----	Building	F/W -----	Front of Walk
BM -----	Bench Mark	GAR -----	Garage
BT SPK -----	Boat or Bolt Spike	HDWL -----	Headwall
BR CAP -----	Brass or Bronze Cap	HSE -----	House
C B -----	Catch Basin	HWY -----	Highway
CTR -----	Center	INT -----	Intersection
C/L -----	Center Line	IP -----	Iron Pipe
C/L INT -----	Center Line Intersection	LT -----	Left
C/L PROD -----	Center Line Produced	LACE -----	L.A. City Engineer
CONC -----	Concrete	LACS -----	L.A. Co. Engineer
COR -----	Corner	LAFC -----	L.A. Co. Flood Control
COE -----	Corps of Engineers	L&BN -----	Lead and Bench Nail
CULV -----	Culvert	L&BR -----	Lead and Brad
CYN -----	Canyon	L&N -----	Lead and Nail
CB -----	Curb	L&SPK -----	Lead and Spike
CS MON -----	Co. Eng. Monument	L&T -----	Lead and Tack
CT SPK -----	Cut Spike	MCR -----	Middle of Curb Return
DPW -----	Dept. of Public Works	MKD -----	Marked
DR -----	Drive or Driveway	MC -----	Middle of Curve
E/O -----	East of	MON -----	Monument

ABBREVIATIONS USED IN BENCH MARKS (CON'T)

N/O ----- North of
NR ----- Near
OPP ----- Opposite
PI ----- Point of Intersection
PK&W ----- PK Nail and Washer
P/L ----- Property Line
POST ----- Point of Semi-Tangent
PP ----- Power Pole
PVMT ----- Pavement
PROD ----- Produced
RD ----- Road
RDBM ----- Road Dept. Bench Mark
RDBM TAG ----- Road Dept. Bench Mark Tag
RR ----- Railroad
RT ----- Right
R/W ----- Right of Way
SDMH ----- Storm Drain Manhole
SMH ----- Sewer Manhole
SPK ----- Spike
ST&W ----- Spike Tin and Washer
S/O ----- South of
TP ----- Telephone Pole
USC&GS ----- U.S. Coast and Geodetic Survey
USGS ----- U.S. Geological Survey
WK ----- Walk
W/O ----- West of

E A S T

Q U A D



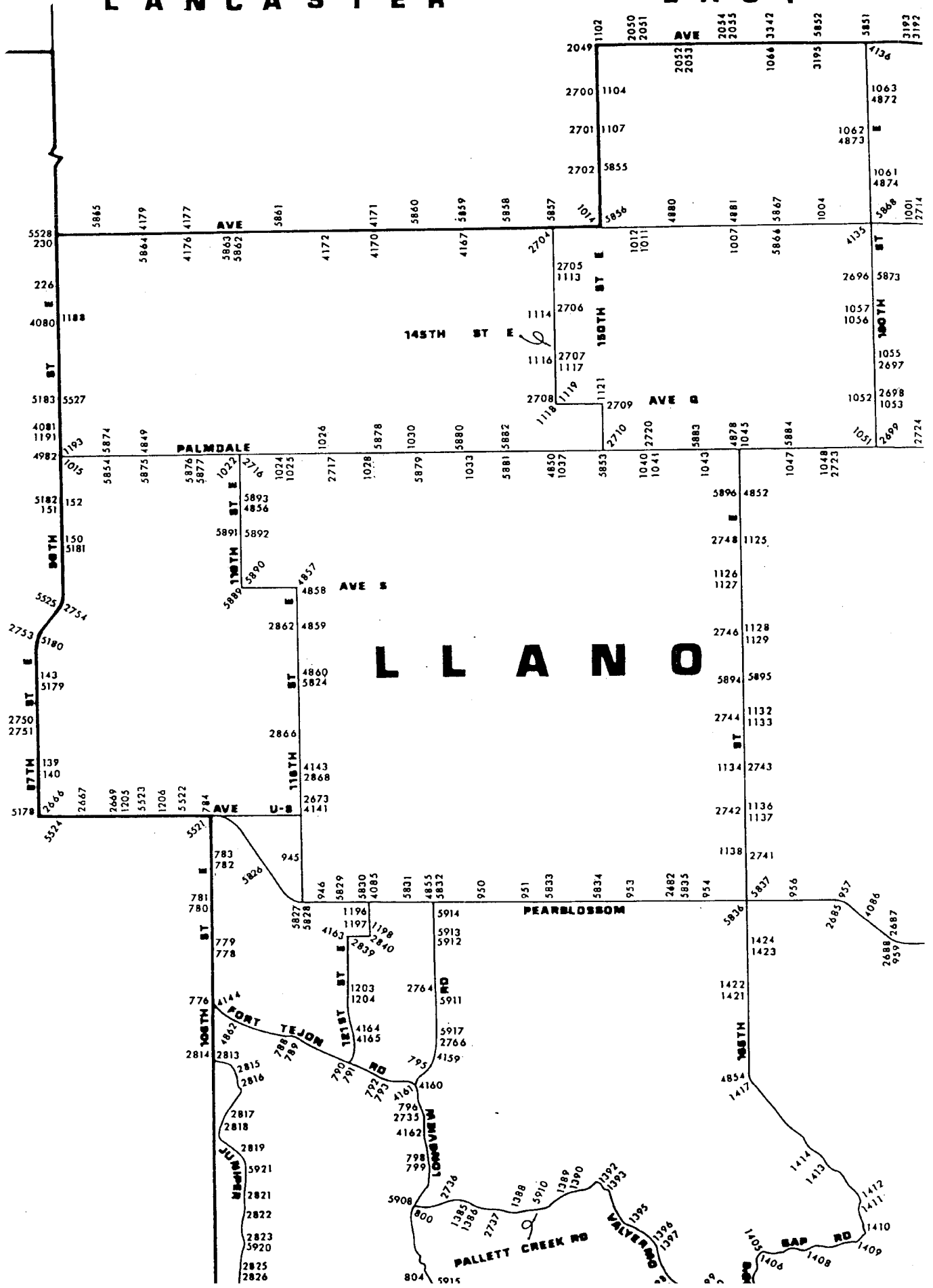
B E R N A R D I N O

C O U N T Y

GUAD

PALMDALE

LANCASTER EAST



QUAD-YEAR	ELEV METER/FOOT	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
BASELINE (1998)	0871.816 2860.283	CS MON IN WELL 600MM DN @ C/L INT AVE U & 87TH ST E MKD (SEC 12,13,34,35,T5N,R11W)	L 139
BASELINE (1998)	0872.791 2863.482	RDBM TAG IN N SIDE CONC FTG OF 50MM FENCE POST 41M W/O C/L 87TH ST E & 7.6M S/O C/L AVE U	L 140
BASELINE (1998)	0847.233 2779.630	CS MON IN WELL 300MM DN ON C/L AVE T & 87TH ST E MKD (SEC 1,6,12,7,T5N,R10W)	L 143
BASELINE (1998)	0819.455 2688.495	RDBM TAG @ SW COR OF CONC SLAB 9.4M N/O C/L AVE R-8 & 13.7M E/O C/L 90TH ST E	L 150
BASELINE (1998)	0815.171 2674.440	L&T IN SE COR CONC SLAB @ SE COR OF BLOCK BLDG #37855 90TH ST E 39.6M W C/L & 152M N/O AVE R-4	L 151
BASELINE (1998)	0812.651 2666.172	CS MON IN WELL 375MM DN @ C/L INT 90TH ST E & AVE R MKD (SEC 29,30,31,32,R10W,T6N)	L 152
BASELINE (1998)	0790.051 2592.026	CS MON IN WELL 600MM DN @ C/L INT 90TH ST E & AVE O-8 MKD (1/4 COR 18,17,T6N,R10W) 11M SW/O PP #373162E	L 226
BASELINE (1998)	0786.064 2578.945	RDBM TAG IN CONC FENCE FTG @ EDISON SUB STA @ SE COR 90TH ST E & AVE O 9M E & 9M S/O C/L INT	L 230
BASELINE (1998)	0996.340 3268.825	RDBM MON IN WELL 200MM DN @ SW COR FT TEJON RD & 106TH ST E 30.5M S & 15M W/O C/L INT MKD 1958 IP MKR 600MM W/O MON	L 776
BASELINE (1998)	0965.552 3167.815	CS MON IN WELL 600MM DN @ C/L INT 106TH ST E & AVE W (PROP) 805M N/O FT TEJON RD MKD (SEC COR 20,21,28,29,R10W,T5N)	L 778
BASELINE (1998)	0966.724 3171.660	RDBM TAG IN WELL 200MM DN @ NE COR 106TH ST E & AVE W PROP 30.5M N & 15M E/O C/L INT 835M N FORT TEJON RD MKD (1960) IP MKR 600MM E/O MON	L 779
BASELINE (1998)	0950.727 3119.177	RDBM MON IN WELL 200MM DN @ SW COR 106TH ST E & AVE V-8 27.4M S & 15M W/O C/L INT 50MM 1P MKR 600MM W/O MON	L 780
BASELINE (1998)	0950.306 3117.796	40MM IP WITH CUT SPK IN WELL 200MM DN @ C/L INT 106TH ST E & AVE V-8	L 781
BASELINE (1998)	0929.371 3049.111	L&T IN SLY CONC FTG OF DWP TOWER #H220-1 @ SW COR 106TH ST E & AVE V 58M S & 17M W/O C/L INT	L 782
BASELINE (1998)	0927.388 3042.605	CS MON IN WELL 450MM DN @ C/L INT 106TH ST E & AVE V MKD (16,17,20,21,T5N,R10W)	L 783

QUAD-YEAR	ELEV METER/FOOT	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
BASILINE (1998)	0904.328 2966.949	USGS MON UP 250MM @ SW COR PEARBLOSSOM HWY & 106TH ST E 19M S & 13M W C/L INT MKD LS 23 1929	L 784
LLANO (1998)	1034.839 3395.134	RDBM MON 150MM DN 17M S/O C/L FT TEJON RD & 99M E/O BUTTERFIELD STAGE RD MKD (PT 1960) MKR POST 600MM S/O MON	L 788
LLANO (1998)	1038.141 3405.968	RDBM MON IN WELL FL DN 17M S C/L FT TEJON RD & 260M E/O BUTTERFIELD STAGE RD MKR POST 600MM S/O MON	L 789
LLANO (1998)	1059.631 3476.473	RDBM MON IN WELL 200MM DN @ SW COR FT TEJON RD & 121ST ST E 28M S & 18M W/O C/L INT MKR POST 600MM S/O MON	L 790
LLANO (1998)	1060.670 3479.881	RDBM MON IN WELL FLUSH @ SW COR FT TEJON RD & 121ST ST E 52M S & 8M W/O C/L INT 1.2M N/O PP #1201431E MKR POST 600MM W/O MON	L 791
LLANO (1998)	1073.468 3521.870	RDBM MON 200MM DN @ SW COR FT TEJON RD & DIRT RD TO N 483M W/O LONGVIEW RD TO N 30.5M S & 61M W/O C/L INT MKD (1960) MKR POST 300MM S/O MON	L 792
LLANO (1998)	1074.683 3525.856	RDBM MON IN WELL 8IN DN @ SE COR FT TEJON RD & DIRT RD TO N 483M W/O LONGVIEW RD TO N 23M S & 46M E/O C/L INT MKR POST 600MM S/O MON	L 793
LLANO (1998)	1059.271 3475.292	RDBM MON IN WELL @ NW COR LONGVIEW RD & HOMER RD 15M W & 12M N/O C/L INT 161M N/O FT TEJON RD MKD (1960) MKR POST 600MM N/O MON	L 795
LLANO (1998)	1080.643 3545.410	SPK&BM TAG IN NW WINGWALL BRIDGE B-980 4.6M W C/L LONGVIEW RD & 76M N/O C/L FT TEJON RD S	L 796
LLANO (1998)	1132.679 3716.131	RDBM MON IN WELL 200MM DN 8M W C/L LONGVIEW RD & 885M S/O FT TEJON RD MKD (1960) MKR 600MM W	L 798
LLANO (1998)	1137.169 3730.862	RDBM MON IN WELL 8.5M W C/L LONGVIEW RD & 966M S/O FT TEJON RD MKD (1960) MKR 600MM W/O MON	L 799
LLANO (1998)	1170.030 3838.673	RDBM MON IN WELL 200MM DN @ SE COR LONGVIEW RD & PALLETT CREEK RD 11M S & 49M E/O C/L INT MKD MKD (1960) MKR POST 600MM S/O MON	L 800
LLANO (1998)	1178.356 3865.990	RDBM MON IN WELL 200MM DN 1.5M N PP (NO#) 23M E/O C/L LONGVIEW RD 805M S/O PALLETT CREEK RD MKD (1960) MKR POST 600MM E/O MON	L 802

QUAD-YEAR	ELEV METER/FOOT	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
LLANO (1998)	1180.859 3874.202	RDBM MON IN WELL 200MM DN 1M W/O PP (NO#) 10M W/O C/L LONGVIEW RD 885M S/O PALLETT CREEK RD MKD (1960) MKR POST 600MM W/O MON	L 803
LLANO (1998)	1216.972 3992.682	RDBM MON IN WELL 100MM DN @ NE COR LONGVIEW RD & TUMBLEWEED RD 38M N & 15M E/O C/L INT MKD (1960) MKR POST 600MM W/O MON	L 804
LLANO (1998)	0921.406 3022.980	USC&GS MON 200MM UP 5M E C/L 116TH ST E & 134M S/O AVE V 13M SW/O PP #4072951E MKD (J 306 1935) 50MM IP MKR POST 600MM E/O MON	L 945
LLANO (1998)	0935.359 3068.757	CSBM MON FL 11M N/O C/L W BND PEARBLOSSOM HWY & 111M E/O C/L 116TH ST E 1.5M E/O PP #1017 MKD (BM 106-28 1958) MKR POST 360MM S/O MON	L 946
LLANO (1998)	0943.819 3096.513	CSBM MON 150MM DN 14M S/O C/L PEARBLOSSOM HWY & 966M E/O 131SR ST E 119M ELY OF TP STUB #29 MKD (BM 106-32 1958) MKR POST 550MM N/O MON	L 950
LLANO (1998)	0954.494 3131.536	CSBM MON 100MM DN 14M S/O C/L PEARBLOSSOM HWY & 2.4K E/O 131ST ST E 73M ELY OF TP STUB #29 MKD (BM 106-33 1958) MKR POST 450MM N/O MON	L 951
LLANO (1998)	0964.856 3165.532	CSBM MON 600MM DN 14M S/O C/L PEARBLOSSOM HWY & 1.6K W/O 165TH ST E 28M ELY OF TP STUB #34 MKD (BM 106-34 1958) MKR POST 600MM N/O MON	L 953
LLANO (1998)	0965.462 3167.520	BT SPK IN SE WINGWALL OF BRIDGE #53-314 5.5M S/O C/L PEARBLOSSOM HWY & 1K W/O 165TH ST E	L 954
LLANO (1998)	0971.717 3188.042	CSBM MON FLUSH 13M N & 30M W/O C/L PEARBLOSSOM HWY & 170TH ST E 16M E/O PP #1404342 MKD (106-38 1958) MKR POST 600MM S/O MON	L 956
LLANO (1998)	0975.495 3200.437	CSBM MON 100MM UP 14M N & 24M E/O C/L INT 175TH ST E & PEARBLOSSOM HWY MKD (BM 106-39 1958) MKR POST 600MM S/O MON	L 957
LLANO (1998)	1001.977 3287.320	CSBM MON 100MM UP 28M S & 41M E/O C/L INT AVE W & PEARBLOSSOM HWY 16M S/O PP #1404305E MKD (BM 106-41 1958) MKR POST 300MM N/O MON	L 959
LLANO (1998)	1006.779 3303.074	CSBM MON FLUSH 11M N/O C/L PEARBLOSSOM HWY & 885M E/O CURVE @ AVE W 2.4M S/O PP (NO#) MKD (BM 106-42 1958) MKR POST 30MM S/O MON	L 960
LLANO (1998)	1019.870 3346.023	CSBM MON FL 11M N/O C/L PEARBLOSSOM HWY & 1.8K E/O AVE W 2M S/O PP (NO#) MKD (BM 106-43 1958)	L 961

QUAD-YEAR	ELEV METER/FOOT	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
LLANO (1998)	1031.938 3385.617	CSBM MON 100MM UP 11M N/O C/L PEARBLOSSOM HWY & 152M W/O 198TH ST E 2M N/O PP (NO#) MKD (BM 106-44 1958) MKR POST 300MM S/O MON	L 962
LLANO (1998)	1036.857 3401.755	CSBM MON FLUSH 12M N/O C/L PEARBLOSSOM HWY & 885M E/O LARGO VISTA RD (204TH ST E) 1M E/O PP (NO#) MKD (BM 106-46 1958) MKR 300MM N/O MON	L 964
LLANO (1998)	1036.756 3401.424	CSBM MON 100MM UP 12M N/O C/L PEARBLOSSOM HWY & 402M E/O 213TH ST E 15M W/O DIRT RD TO N 1.5M E PP (NO#) MKD (BM 106-47 1958) MKR 300MM S MON	L 965
LLANO (1998)	1035.839 3398.415	CSBM MON @ SW COR 233RD ST E & PALMDALE RD 34M S & 7.6M W/O C/L INT 1.5M N/O PP #777983E MKD (BM 106-51 1958) MKR POST 300MM N/O MON	L 969
LLANO (1998)	1014.823 3329.465	CSBM MON 100MM UP ON W SIDE 233RD ST E (DIRT RD) 805M N/O PALMDALE RD 600MM W/O PP (NO#) MKD (BM 106-52 1958) MKR POST 600MM W/O MON	L 970
LLANO (1998)	0996.187 3268.324	CS MON 12IN DN ON 233RD ST E (DIRT RD) 1.6K N/O PALMDALE RD & 322M N/O SPRR 6.4M NE/O FENCE COR MKD (15,16,21,22,T5N,R8W) MKR 600MM E/O MON	L 971
LLANO (1998)	0979.138 3212.389	CS MON FL 7.4M E/O C/L 233RD ST E (DIRT RD) & 2.4K N/O PALMDALE RD MKD (15,16,R8W,T5N,RE 329) 805M S/O AVE U MKR POST 600MM NE/O MON	L 972
LLANO (1998)	0952.160 3123.878	CS MON 450MM DN 5.3M W C/L 235TH ST E (DIRT RD) & 805M N/O AVE U MKD (9,10,R8W,T5N,RE 329) MKR POST 550MM E/O MON	L 976
LLANO (1998)	0941.637 3089.354	CS MON 7M W/O C/L 235TH ST E (DIRT RD) TO THE W 1.6K N/O AVE U MKD (RE 329,4,3,9,10,R8W,T5N) MKR POST 300MM N/O MON	L 977
LLANO (1998)	0926.186 3038.662	CSBM MON 150MM UP @ BASE SE RIDGE BLACK BUTTE 44M W/O C/L 235TH ST E 1.6M N/O AVE U MKD (BM 106-61 1958) MKR POST 600MM E/O MON	L 979
LLANO (1998)	0888.419 2914.755	CSBM MON FL 9.4M E/O C/L 240TH ST E & 33M S/O AVE Q 1M S/O PP #2274147E MKD BM 106-67 1958	L 985
LLANO (1998)	0881.149 2890.903	CSBM MON 150MM UP 9.4M E/O C/L 240TH ST E & 600MM N/O C/L AVE P-8 1.5M W/O PP #864351E MKD (BM 106-68 1958) MKR POST 600MM W/O MON	L 986
LLANO (1998)	0874.895 2870.385	CSBM MON FL 11M E C/L 240TH ST E & 58M N/O C/L AVE P 600MM S/O PP #1050 MKD (BM 106-69 1958) MKR POST 600MM W/O MON	L 987

QUAD-YEAR	ELEV METER/FOOT	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
LLANO (1998)	0854.097 2802.150	CS MON IN WELL 640MM DN @ C/L INT AVE O & 230TH ST E 11M SE/O FENCE COR MKD (SEC COR 9,10,15,16 ,T6N,R8W)	L 992
LLANO (1998)	0849.340 2786.543	40MM IP & NAIL IN WELL 300MM DN @ C/L INT AVE O & 225TH ST E 70M SW/O PP (NO#) & 80M E/O E SIDE P/L HSE #22339	L 993
LLANO (1998)	0845.289 2773.252	CSBM MON 100MM UP 10.7M N/O C/L AVE O & 12.8M E/O C/L 220TH ST E 1.5M E/O PP #734973E MKD (BM 106-76 1958) MKR POST 600MM S/O MON	L 994
LLANO (1998)	0841.094 2759.489	CSBM MON FL 10.7M N/O C/L AVE O & 34M E/O C/L 215TH ST E 2M E/O PP #4337633E MKD (BM 106-77 1958) MKR POST 750MM SE/O MON	L 995
LLANO (1998)	0837.238 2746.838	CSBM MON FL 11M N/O C/L AVE O & 220FT E/O C/L 210TH ST E 1M W/O PP (NO#) MKD (BM 106-78 1958) MKR POST 300MM S/O MON	L 996
LLANO (1998)	0827.128 2713.669	USGS MON 350MM UP 12.5M N C/L AVE O & 21M W/O C/L 200TH ST E 6M W/O DIRT RD 62M W/O W SIDE HSE #20111 MKD (LS 33 1929) MKR 300MM S/O MON	L 998
LLANO (1998)	0818.323 2684.781	CSBM MON 100MM UP 11.3M N C/L AVE O & 1.6K E/O 180TH ST E MKD (BM 106-82 1959) MKR 600MM N MON	L 1000
LLANO (1998)	0814.155 2671.107	CSBM MON 150MM UP 10M N C/L AVE O & 644M E/O 180TH ST E 7M E/O PP (NO#) MKD (BM 106-8 1959) MKR POST 600MM N/O MON	L 1001
LLANO (1998)	0811.795 2663.364	CS MON IN WELL @ C/L INT AVE O & 175TH ST E MKD (1/4 COR 10,15,T6N,R9W,RE 2177)	L 1004
LLANO (1998)	0805.349 2642.216	CS MON IN WELL @ C/L INT AVE O & 165TH ST E MKD (1/4 SEC COR 9,16,T6N,R9W,RE 5869)	L 1007
LLANO (1998)	0813.484 2668.905	CS MON IN WELL @ C/L INT AVE O & 155TH ST E MKD (1/4 COR 8,17,T6N,R9W,RE 5869)	L 1011
LLANO (1998)	0813.415 2668.679	RDBM MON IN WELL W/COVER 12M S/O C/L AVE O & 37M W/O C/L 155TH ST E (PROP) MKR 600MM S MON	L 1012
LLANO (1998)	0807.559 2649.466	RDBM MON 150MM DN 1.5M NE/O PP (NO#) 11.6M N/O C/L AVE O & 111M W/O 150TH ST E MKD (1960) MKR POST 600MM N/O MON	L 1014
BASELINE (1998)	0806.787 2646.934	CS MON IN WELL @ C/L INT PALMDALE BLVD & 90TH ST E MKD (1/4 SEC 29,30,T6N,R10W)	L 1015

QUAD-YEAR	ELEV METER/FOOT	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
LLANO (1998)	0819.308 2688.013	RDBM MON IN WELL 2M W/O PP (NO#) 10.7M N C/L PALMDALE BLVD & 38M W/O C/L 110TH ST E MKD 1960 MKR POST 600MM N/O MON	L 1022
LLANO (1998)	0821.868 2696.412	RDBM MON IN WELL 2M NE/O PP #4400358E 10M N/O C/L PALMDALE BLVD & 59M W/O C/L 115TH ST E (UNIMPROVED) MKD (1960) MKR POST 600MM N/O MON	L 1024
LLANO (1998)	0822.347 2697.983	RDBM MON IN WELL 2M NE/O PP #4400359E 10M N/O C/L PALMDALE BLVD & 76M E/O C/L 115TH ST E MKD 1960) MKR POST 600MM N/O MON	L 1025
LLANO (1998)	0825.432 2708.105	RDBM MON IN WELL 2M E/O PP #4400368E 10M N C/L PALMDALE BLVD & 27.4M W/O C/L 120TH ST E MKD (1960) MKR POST 600MM N/O MON	L 1026
LLANO (1998)	0829.112 2720.178	RDBM MON IN WELL 1M NE/O PP #4400379E 10M N/O C/L PALMDALE BLVD & 41M W/O C/L 125TH ST E (UNIMPROVED) MKD (1960)	L 1028
LLANO (1998)	0831.918 2729.384	RDBM MON 10M N/O C/L PALMDALE BLVD & 6M W/O C/L 130TH ST E 1.2M N/O PP #4400391E MKD (1961)	L 1030
LLANO (1998)	0836.095 2743.088	RDBM MON IN WELL 1.5M NW/O PP #1190811E 11M N C/L PALMDALE BLVD & 35M E/O C/L LONGVIEW RD MKD (1960) MKR POST 600MM N/O MON	L 1033
LLANO (1998)	0843.168 2766.294	RDBM MON IN WELL W/COVER 1M N/O PP #2174663E 10M N C/L PALMDALE BLVD 116M E/O C/L 145TH ST E MKR POST 600MM N/O MON	L 1037
LLANO (1998)	0848.304 2783.144	RDBM MON IN WELL 1.5M SE/O PP #672265H 10M S/O C/L PALMDALE BLVD & 38M W/O C/L 155TH ST E MKD (1960) MKR POST 600MM S/O MON	L 1040
LLANO (1998)	0848.749 2784.604	RDBM MON IN WELL 3M SW/O PP #585889H 10M S/O C/L PALMDALE BLVD & 107M E/O 155TH ST E MKD (1960) MKR POST 600MM S/O MON	L 1041
LLANO (1998)	0849.122 2785.828	RDBM MON IN WELL 3M NW/O PP #4191308E 10M N/O C/L PALMDALE BLVD 53.5M E/O C/L 160TH ST E (PROP) FROM N MKD (1960)	L 1043
LLANO (1998)	0850.247 2789.519	RDBM MON IN WELL 2M NW/O PP #1190886E 10M N C/L PALMDALE BLVD & 55M E/O C/L 165TH ST E MKD 1960 MKR POST 600MM S/O MON	L 1045
LLANO (1998)	0848.999 2785.424	RDBM MON IN WELL 2.4M NW/O PP #1190900E 10M N C/L PALMDALE BLVD 157M E/O 170TH ST E MKR POST 600MM S/O MON	L 1047

QUAD-YEAR	ELEV METER/FOOT	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
LLANO (1998)	0847.273 2779.761	RDBM MON IN WELL 10M N/O C/L PALMDALE BLVD & 43M W/O C/L 175TH ST E (DIRT RD) MKR POST 600MM N/O MON	L 1048
LLANO (1998)	0844.938 2772.101	RDBM MON IN WELL W/COVER FL 2.4M SW/O PP (NO#) 12M W/O C/L 180TH ST E & 33.5M N/O C/L PALMDALE BLVD MKD (1961) MKR POST 600MM W/O MON	L 1051
LLANO (1998)	0837.961 2749.210	CS MON IN WELL 450MM DN @ C/L INT 180TH ST E & AVE Q MKD (SEC 23,22,26,27,T6N,R9W)	L 1052
LLANO (1998)	0837.840 2748.813	RDBM MON 2.4M N/O PP #BF90451 10.4M W C/L 180TH ST E & 14M N/O C/L AVE Q MKD (1961) MKR POST 600MM W/O MON	L 1053
LLANO (1998)	0830.804 2725.729	RDBM MON IN WELL 2M W/O PP #825775E 18M E/O C/L 180TH ST E & 10M N/O C/L AVE P-8 MKD (1961) MKR POST 600MM N/O MON	L 1055
LLANO (1998)	0825.801 2709.315	RDBM MON IN WELL 2M W/O PP (NO#) 11M W/O C/L 180TH ST E & 87M S/O AVE P MKD (1961) MKR POST 600MM W/O MON	L 1056
LLANO (1998)	0825.029 2706.783	USGS MON 100MM UP 10M W/O C/L 180TH ST E ON FUT AVE P MKD (LS 1 1929) 30.5M S/O PP #1875922E	L 1057
LLANO (1998)	0808.183 2651.514	CSBM MON 150MM UP @ SW COR 180TH ST E & AVE N-8 10M W & 38M S/O EXIST PVMT 1.5M N/O PP #767679E MKD (BM 106-85 1959) MKR POST 600MM E/O MON	L 1061
LLANO (1998)	0802.362 2632.416	CSBM MON 150MM UP 1.5M W/O PP #767685E 12M W & 10M N/O C/L INT 180TH ST E & AVE N MKD (BM 106-86 1959) MKR POST 600MM NW/O MON	L 1062
LLANO (1998)	0797.749 2617.282	CSBM MON 150MM UP 10M W/O C/L 180TH ST E & 9M N/O C/L FUT AVE M-8 MKD (BM 106-87 1959) MKR POST 600MM E/O MON	L 1063
BASELINE (1998)	0788.636 2587.383	CSBM MON FLUSH @ SW COR AVE M & 170TH ST E 38M S & 7M W/O C/L INT MKD (BM 106-90 1959) MKR POST ON W SIDE MON (BENT OVER)	L 1066
BASELINE (1998)	0785.880 2578.341	CS MON IN WELL 200MM DN @ C/L INT AVE M & 150TH ST E MKD (SEC COR 31,32,5,6,T6N,T7N,R9W)	L 1102
LLANO (1998)	0789.395 2589.873	CS MON IN WELL 600MM DN @ C/L INT 150TH ST E & AVE M-8 MKD (1/4 SEC 5,6,T6N,R9W)	L 1104
LLANO (1998)	0794.332 2606.071	CS MON IN WELL 700MM DN @ C/L INT 150TH ST E & AVE N MKD (5,6,7,8,T7N,R9W)	L 1107

QUAD-YEAR	ELEV METER/FOOT	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
LLANO (1998)	0827.056 2713.433	RDBM MON 2.4M S/O PP (NO#) 10.7M E/O C/L 145TH ST E & 21.3M S/O C/L AVE O-8 (UNIMPROVED) MKD (1960) MKR POST 600MM E/O MON	L 1113
LLANO (1998)	0853.607 2800.542	CS MON 100MM DN @ C/L AVE P & 5M W/O C/L 145TH ST E MKD (1/4 SEC 18,19,T6N,R9W,RE 2177)	L 1114
LLANO (1998)	0845.797 2774.919	RDBM MON IN WELL W/COVER 10.7M E/O C/L 145TH ST E & 30.5M N/O C/L AVE P-8 (UNIMPROVED) MKD 1961 MKR POST 600MM E/O MON	L 1116
LLANO (1998)	0844.223 2769.755	RDBM MON IN WELL W/COVER 10.7M E/O C/L 145TH ST E & 30.5M S C/L AVE P-8 (UNIMPROVED) MKD (1960) MKR POST 600MM E/O MON	L 1117
LLANO (1998)	0836.983 2746.002	CSBM MON 13.7M W/O C/L 145TH ST E & 10.7M S/O C/L AVE Q 1M W/O PP #632132H MKD (BM Q145E)	L 1118
LLANO (1998)	0837.240 2746.845	RDBM MON IN WELL W/COVER 10.7M S/O C/L AVE Q & 72M E/O C/L 145TH ST E MKD (1961) MKR POST 600MM S/O MON	L 1119
LLANO (1998)	0850.020 2788.774	CS MON 450MM DN @ C/L INT AVE Q & 150TH ST E MKD (SEC 19,20,29,30,T6N,R9W)	L 1121
LLANO (1998)	0864.689 2836.900	L&BN IN CONC @ S GATE TO FARM 11M E C/L 165TH ST E & 2.7M N C/L PROP AVE R-8 1.6K S/O PALMDALE BLVD 6M N/O PP #325111E MKD (BM)	L 1125
LLANO (1998)	0871.958 2860.749	CS MON IN WELL 18IN DN @ C/L INT 165TH ST E & AVE S MKD (SEC 33,4,5,T5N,T6N,R9W)	L 1126
LLANO (1998)	0873.484 2865.755	RDBM MON IN WELL 13M E C/L 165TH ST E & 70M S/O C/L AVE S 6M E/O PP #325124E MKR 600MM E/O MON	L 1127
LLANO (1998)	0880.898 2890.080	RDBM MON IN WELL 13M E C/L 165TH ST E & 88M N/O AVE S-8 6M E/O PP #4312494 MKR 600MM W/O MON	L 1128
LLANO (1998)	0882.429 2895.102	RDBM MON IN WELL 13M E C/L 165TH ST E & 64M S/O C/L AVE S-8 6M E/O PP (NO#) 600MM W/O MON	L 1129
LLANO (1998)	0900.473 2954.302	RDBM MON IN WELL 11M E C/L 165TH ST E & 84M N/O C/L AVE T-8 17M S/O PP #1403611E MKR POST 600MM W/O MON	L 1132
LLANO (1998)	0902.889 2962.228	RDBM MON IN WELL 11M E C/L 165TH ST E & 62M S/O C/L AVE T-8 32M S/O PP #1403613E MKR 1M W/O MON	L 1133
LLANO (1998)	0913.636 2997.487	RDBM MON IN WELL 11M E C/L 165TH ST E & 84M N C/L AVE U 16M S/O PP #1403624E	L 1134

QUAD-YEAR	ELEV METER/FOOT	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
LLANO (1998)	0925.956 3037.907	RDBM TAG IN W LEG TRANS TOWER I 23-5 41M E/O C/L 165TH ST E & 203M N/O AVE U-8	L 1136
LLANO (1998)	0926.927 3041.093	RDBM MON IN WELL 11M E C/L 165TH ST E & 157M N AVE U-8 43M S/O TRANS LINE & 9M SW PP #1403636E	L 1137
LLANO (1998)	0944.674 3099.318	RDBM MON IN WELL 11M E C/L 165TH ST E & 82M N C/L AVE V 26M S/O PP (NO#) MKR 600MM E/O MON	L 1138
BASELINE (1998)	0794.206 2605.658	CSBM MON 150MM UP @ NE COR 90TH ST E & AVE P 9M N & 20.7M E/O C/L INT MKD (BM 107-12 1960)	L 1188
BASELINE (1998)	0801.886 2630.854	CS MON IN WELL 200MM DN @ C/L INT 90TH ST E & AVE Q MKD (SEC COR 19,20,29,30,R10W,T6N) NOTE: MON WAS RAISED AUG 1987	L 1191
BASELINE (1998)	0806.888 2647.265	CSBM MON FL @ NW COR 90TH ST E & PALMDALE BLVD 10M N & 20M W/O C/L INT MKD (BM 107-9 1960)	L 1193
LLANO (1998)	0936.004 3070.873	CS MON IN WELL 200MM DN @ C/L INT 123RD ST E & AVE V-10 MKD (CO SUR RE 63)	L 1196
LLANO (1998)	0943.756 3096.306	L&T IN SE COR CONC WK TO CHURCH BLDG 9.4M W/O C/L 123RD ST E & 27.4M N/O C/L AVE V-12	L 1197
LLANO (1998)	0944.658 3099.265	CS MON IN WELL 200MM DN @ C/L INT 123RD ST E & AVE V-12 MKD (CO SURV RE 63)	L 1198
LLANO (1998)	1029.900 3378.930	RDBM MON IN WELL @ NW COR 121ST ST E & AVE W-8 14.3M N & 13.7M W/O C/L INT MKD (1961) MKR POST 600MM W/O MON	L 1203
LLANO (1998)	1030.176 3379.836	RDBM MON IN WELL @ SE COR 121ST ST E & AVE W-8 18M S & 10.7M E/O C/L INT MKD (1961) MKR POST 600MM E/O MON	L 1204
BASELINE (1998)	0899.188 2950.086	CSBM MON 100MM UP @ SE COR PEARBLOSSOM HWY & 96TH ST E 9.4M S & 54M E/O C/L INT MKD (BM 106 -22 1958)	L 1205
BASELINE (1998)	0901.402 2957.350	CSBM MON 150MM UP 12M S/O C/L PEARBLOSSOM HWY & 672M W/O 106TH ST E 15M W/O CTR SMALL WASH MKD (BM 106-23 1958)	L 1206
LLANO (1998)	1163.545 3817.397	RDBM MON IN WELL 4M N/O BARB WIRE FENCE 10M S/O C/L PALLETT CREEK RD 161M E/O POWER LINE CROSS 805M E/O LONGVIEW RD MKR POST 600MM S/O MON	L 1385

QUAD-YEAR	ELEV METER/FOOT	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
LLANO (1998)	1161.588 3810.977	RDBM MON IN WELL 1M N/O BARB WIRE FENCE 13.4M S/O C/L PALLETT CREEK RD 805M E/O LONGVIEW RD MKD (1961) MKR POST 600MM S/O MON	L 1386
LLANO (1998)	1131.984 3713.851	RDBM MON IN WELL 200MM DN 11.3M N/O C/L PALLETT CREEK RD 1.8K NE/O LONGVIEW RD MKD (1961) MKR POST 600MM N/O MON 52M W/O MI MKR #1.07	L 1388
LLANO (1998)	1096.286 3596.732	RDBM MON IN WELL 200MM DN 10M S/O C/L PALLETT CREEK RD 2.9K NE/O LONGVIEW RD 805M SW VALYERMO RD 16M W/O MI MKR #1.67 MKD (1961) MKR POST 600MM S/O MON	L 1389
LLANO (1998)	1096.325 3596.860	RDBM MON IN WELL 200MM DN 10M N/O C/L PALLETT CR RD 2.9K NE/O LONGVIEW RD 805M SW/O VALYERMO RD 32M E/O MI MKR #1.67 MKD (1961) MKR POST 600MM N/O MON	L 1390
LLANO (1998)	1082.386 3551.128	L&BN IN CONC ABUT @ SW END BRIDGE B213 5M S/O C/L VALYERMO RD & 61M E/O PALLETT CREEK RD	L 1392
LLANO (1998)	1082.394 3551.154	L&BN IN CONC ABUT @ SE END BRIDGE B213 5M S/O C/L VALYERMO RD 79M E/O PALLETT CREEK RD	L 1393
LLANO (1998)	1098.651 3604.491	RDBM TAG IN SE COR CONC DR TO EX FIRE STA 7.6M N C/L VALYERMO RD & 805M E/O PALLETT CREEK RD	L 1395
LLANO (1998)	1108.439 3636.604	RDBM TAG IN SW END BRIDGE WINGWALL #1025 4.6M S C/L VALYERMO RD & 1.3K E/O PALLETT CREEK RD	L 1396
LLANO (1998)	1108.482 3636.745	RDBM TAG IN NE END BRIDGE WINGWALL #1025 5.5M N C/L VALYERMO RD & 1.3K E/O PALLETT CREEK RD	L 1397
LLANO (1998)	1131.403 3711.945	RDBM TAG IN 1ST STEP TO BLDG #3 US RANGER STA 35M S C/L VALYERMO RD & 85M E/O C/L 157TH ST E	L 1398
LLANO (1998)	1161.678 3811.272	CS MON 200MM UP 24M N C/L VALYERMO RD & 1K E/O 157TH ST E MKD (1/4 SEC COR 8,17,T4N,R9W) ON FENCE LINE 29M ELY FROM FENCE COR	L 1399
LLANO (1998)	1162.689 3814.589	RDBM MON IN WELL 35M N C/L VALYERMO RD & 1K E/O 157TH ST E 8.2M S/O PP (NO#) MKR 600MM N/O MON	L 1400
LLANO (1998)	1187.750 3896.810	USGS MON IN NE COR ABUT OF BRIDGE 490 4.6M N & 4.6M W/O C/L INT VALYERMO RD & BOBS GAP RD MKD (LS 56 1929 RESET 1960)	L 1401

QUAD-YEAR	ELEV METER/FOOT	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
LLANO (1998)	1174.429 3853.106	CS MON IN WELL 150MM DN ON C/L BOBS GAP RD 563M N/O VALYERMO RD 116M S/O RD TO MOUNTAIN BROOK RANCH & 28M S/O PP (NO#) MKD (SEC COR 8,9,17,16, T4N,R9W)	L 1404
LLANO (1998)	1158.311 3800.225	RDBM MON IN WELL 18M E/O C/L BOBS GAP RD & 1.4K N/O VALYERMO RD 20M S/O C/L DIRT DR TO FARM HSE 600MM N/O BARB WIRE FENCE	L 1405
LLANO (1998)	1161.600 3811.016	RDBM MON IN WELL 10M W/O C/L BOBS GAP RD & 1.4K N/O VALYERMO RD 32M N/O C/L DIRT RD TO FARM HSE MKR POST 600MM W/O MON	L 1406
LLANO (1998)	1225.009 4019.050	RDBM TAG IN CONC FTG 2IN IP NR FENCE COR 13.4M S/O C/L BOBS GAP RD & 2.5K E/O VALYERMO RD 14M E/O C/L DIRT RD TO RANCH #17120	L 1408
LLANO (1998)	1233.205 4045.940	RDBM MON IN WELL 12M S/O C/L BOBS GAP RD & 11M W/O C/L PANORAMA RD (PVT) MKR POST 600MM S/O MON	L 1409
LLANO (1998)	1124.665 3689.838	RDBM TAG IN SE COR OF CONC BOX INLET @ CULV # 2.33 6M N C/L BOBS GAP RD & 3.6K NE VALYERMO RD	L 1410
LLANO (1998)	1192.862 3913.581	RDBM TAG 1.2M N/O S END ROCK WALL 5.5M E/O C/L BOBS GAP RD & 3K SE/O 165TH ST E	L 1411
LLANO (1998)	1190.697 3906.478	RDBM TAG 54M N/O S END ROCK WALL 5.5M E/O C/L BOBS GAP RD & 3K SE/O 165TH ST E	L 1412
LLANO (1998)	1149.492 3771.292	RDBM MON IN WELL 12.5M S/O C/L BOBS GAP RD & 1.9K SE/O 165TH ST E MKR POST 600MM S/O MON	L 1413
LLANO (1998)	1147.214 3763.818	RDBM MON IN WELL 8M N/O C/L BOBS GAP RD & 1.9K SE/O 165TH ST E MKR POST 600MM N/O MON	L 1414
LLANO (1998)	1068.403 3505.252	BN IN CONC BASE STONE PILLAR @ FORMER ENT TO CRYSTALAIR COUNTRY CLUB 2.4M W/O C/L PROD 165TH ST E & 43M SW/O C/L BOBS GAP RD	L 1417
LLANO (1998)	1014.693 3329.039	RDBM MON IN WELL 8.5M E C/L 165TH ST E & 59M S C/L AVE W-8 1M NE/O PP #4143398E MKR 600MM E MON	L 1421
LLANO (1998)	1011.969 3320.102	CS MON IN WELL @ C/L INT 165TH ST E & AVE W-8 MKD (1/4 SEC COR 29,28,T5N,R9W)	L 1422
LLANO (1998)	0986.945 3238.002	CS MON IN WELL @ C/L INT 165TH ST E & AVE W (PROP) 805M S/O PEARBLOSSOM HWY MKD (T5N,R9W, SEC COR 20,21,29,28)	L 1423

JAD-YEAR	ELEV METER/FOOT	D E S C R I P T I O N (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
LLANO (1998)	0986.238 3235.683	RDBM TAG IN NE COR OF CONC SLAB IN FRONT OF OLD HSE FOUNDATION 24.4M W C/L 165TH ST E & 41M N/O C/L AVE W (PROP) 805M S/O PEARBLOSSOM HWY	L 1424
LLANO (1998)	1198.689 3932.699	RDBM MON IN WELL 200MM DN 15M S & 12M W/O C/L INT BIG ROCK CREEK RD & BIG PINES HWY 2M W/O PP (NO#)	L 1881
LLANO (1998)	1235.255 4052.666	RDBM MON IN WELL 200MM DN 25M W/O C/L DRWY TO HSE #16820 BIG PINES HWY 9M S/O C/L & 966M E/O C/L BIG ROCK CREEK RD MKR POST 600MM S/O MON	L 1884
LLANO (1998)	1286.758 4221.639	RDBM MON IN WELL 200MM DN 8M S/O C/L BIG PINES HWY & 1.6K E/O BIG ROCK CREEK RD 42M W/O MI MKR 1.01 MKD (1963) MKR POST 600MM S/O MON	L 1887
LLANO (1998)	1337.870 4389.328	L&T IN LGE ROCK 8.5M N/O C/L BIG PINES HWY & & 2.4K E/O C/L BIG ROCK CREEK RD @ END OF SLOPE CUT MKD (BM)	L 1888
LLANO (1998)	1342.505 4404.535	RDBM MON IN WELL 7.6M S/O C/L BIG PINES HWY & 2.5K E/O INT BIG ROCK CREEK RD MKD (1963) MKR POST 600MM S/O MON	L 1889
LLANO (1998)	1379.771 4526.799	USGS MON 150MM UP 9M N/O C/L BIG PINES HWY & 3.1K E/O BIG ROCK CREEK RD ON SMALL RIDGE MKD (LS 57 1929) MKR POST 600MM S/O MON	L 1890
LLANO (1998)	1419.266 4656.375	RDBM MON IN WELL 7.3M S/O C/L BIG PINES HWY & & 3.9K E/O C/L BIG ROCK CREEK RD 61M E/O MI MKR #2.40 MKD (1963) MKR POST 600MM S/O MON	L 1893
LLANO (1998)	1452.508 4765.437	RDBM MON IN WELL 12M S/O C/L BIG PINES HWY & 4.7K E/O C/L BIG ROCK CREEK RD 47M W/O MI MKR #2.90 MKR POST 600MM S/O MON	L 1895
LLANO (1998)	1535.461 5037.592	RDBM MON IN WELL 200MM DN 9M SW/O C/L BIG PINES HWY & 5.8K E/O BIG ROCK CREEK RD 23M W/O MI MKR #3.62 MKR 600MM S/O MON 2.1K W/O LARGO VISTA RD	L 1897
LLANO (1998)	1566.139 5138.241	RDBM TAG IN CONC BOX 5.5M S C/L BIG PINES HWY & 6K E/O BIG ROCK CREEK RD 1.7K W/O LARGO VISTA RD NR MI MKR #3.84	L 1899
LLANO (1998)	1578.847 5179.934	RDBM MON IN WELL 200MM DN 18M N/O C/L BIG PINES HWY & 6.4K E/O BIG ROCK CREEK RD 1.3K W/O LARGO VISTA RD MKD (1965) MKR POST 600MM S/O MON	L 1901
LLANO (1998)	1585.949 5203.234	L&T IN W END CONC GAS ISLAND 11M N & 122M W/O C/L INT BIG PINES HWY & LARGO VISTA RD MKD (BM)	L 1904

