COUNTY OF LOS ANGELES

ROAD DEPARTMENT

PRECISE

BENCH MARK LIST

LLANO QUAD

1981 ADJUSTMENT

P R E F A C E
1981 Adjustment

The Road Department level net published in 1975 consisted of more than 1500 miles of levels supporting in excess of 18,000 bench marks. For reasons of economy, this 1981 adjustment is reduced to about 55% of the bench marks previously published. Reductions were made by increasing the spacing between level lines in unincorporated territory, and eliminating lines in non-contract cities and areas where the probability of future engineering projects appears slight. The 1981 adjustment is an update of the remainder of the 1975 bench marks, not including baselines. Data from previous adjustments is available without inferring any responsibility for the current reliability of the data or the actual existence of the bench marks. Elevations of bench marks with the same quad name, but different adjustment dates, are not normally compatible.

To facilitate the adjustment, indexing, and distribution of adjusted values of the net, the County territory is divided into 34 quads or areas. For identification purposes each quad is given a name, viz., "Rosemead," "La Mirada," "Santa Fe," etc. When bench marks and elevations in the Road Department net are used, the name of the quad in which the bench mark is located and the date of the elevation adjustment must be included in the bench mark description, e.g.,

CY 6901 - RDBM TAG S CB 11FT E BCR @ SE COR LA CIENEGA
BLVD & LENNOX BLVD 32FT S & 73FT E C/L INT
(HAWTHORNE - 1980) ELEV. 82.549

The precision of the net is reflected by an indicated field probable error of plus or minus 0.012 foot per mile of leveling as determined from over 300 conditions of closure. However, many years experience in vertical control in the greater Los Angeles basin and Antelope Valley indicate that because of varying degrees of subsidence and heaving, the true datum is recovered only by obtaining substantial agreement between a number of bench marks.

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

DATUM: U.S. Coast and Geodetic Survey Sea Level Datum of 1929, through the medium of the Los Angeles County Engineer Precise Level Net.

ABBREVATIONS USED IN BENCH MARK LISTINGS

ABUT --------- Abutment

ALG ---------- Along

ANG PT ------- Angle Point

B/W ---------- Back of Walk

BCR ---------- Beginning of Curb Return

BC ----------- Beginning of Curve

BLDG --------- Building

BM ----------- Bench Mark

BT SPK ------- Boat or Bolt Spike

BR CAP ------- Brass or Bronze Cap

C B ---------- Catch Basin

CTR ---------- Center

C/L ---------- Center Line

C/L INT ------ Center Line Intersection

C/L PROD ----- Center Line Produced

CONC --------- Concrete

COR ---------- Corner

COE ---------- Corps of Engineers

CULV --------- Culvert

CYN ---------- Canyon

CB ----------- Curb

CS MON ------- Co. Eng. Monument

CT SPK ------- Cut Spike

DPW ---------- Dept. of Public Works

DR ----------- Drive or Driveway

E/O ---------- East of

ECR -------- End of Curb Return

EC --------- End of Curve

ENT -------- Entrance

FL --------- Floor

FTG -------- Footing

FRWY ------- Freeway

F/W -------- Front of Walk

GAR -------- Garage

HDWL ------- Headwall

HSE -------- House

HWY -------- Highway

INT -------- Intersection

IP -------- Iron Pipe

LT -------- Left

LACE ------- L.A. City Engineer

LACS ------- L.A. Co. Engineer

LAFC ------- L.A. Co. Flood Control

L&BN ------- Lead and Bench Nail

L&BR ------- Lead and Brad

L&N ------- Lead and Nail

L&SPK ------ Lead and Spike

L&T -------- Lead and Tack

MCR -------- Middle of Curb Return

MKD -------- Marked

MC --------- Middle of Curve

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

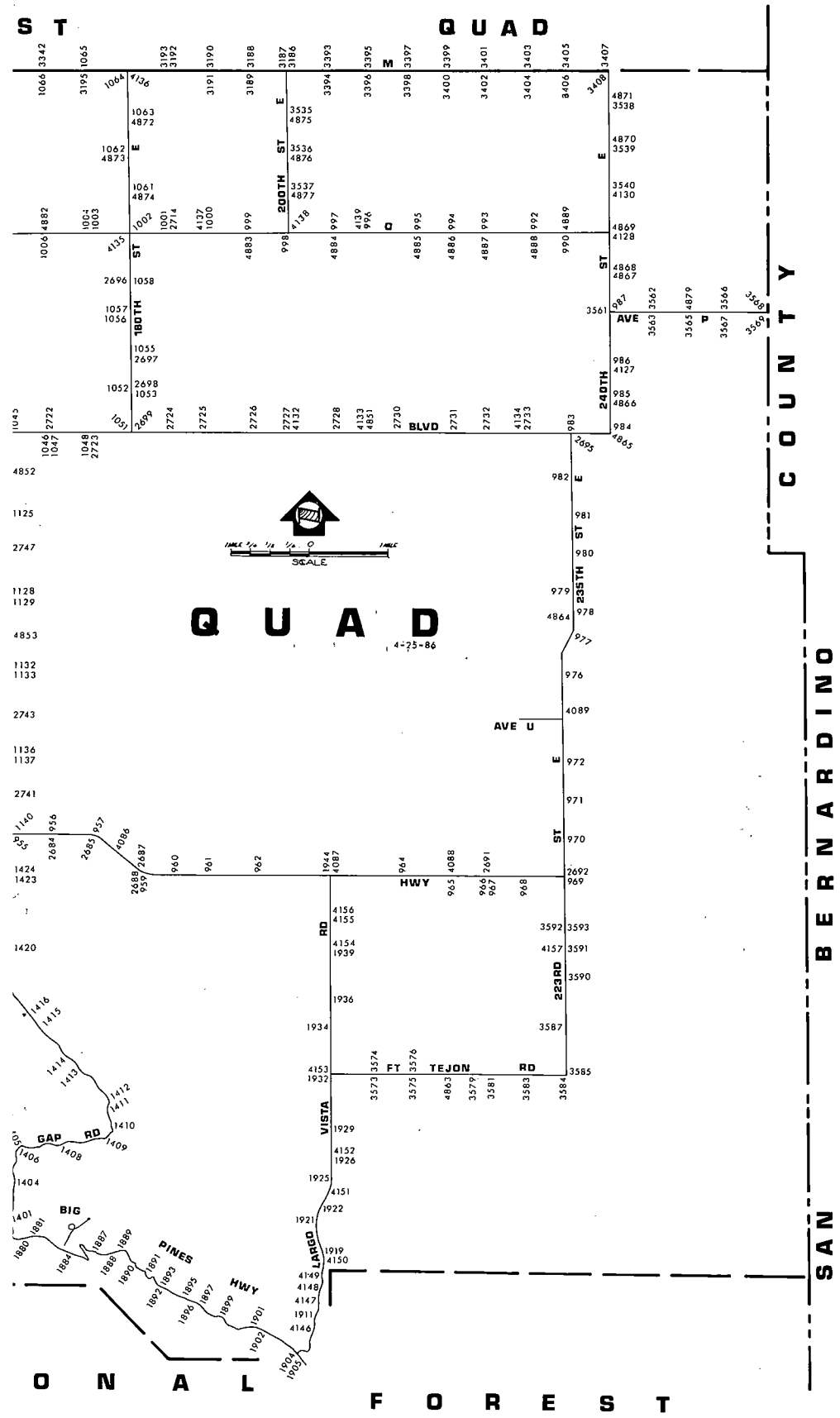
TP ---------- Telephone Pole

USC&GS ------- U.S. Coast and Geodetic Survey

USGS --------- U.S. Geological Survey

WK ---------- Walk

W/O ---------- West of



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VISTA RD
LARGO
GAP RD
BIG PINES HWY
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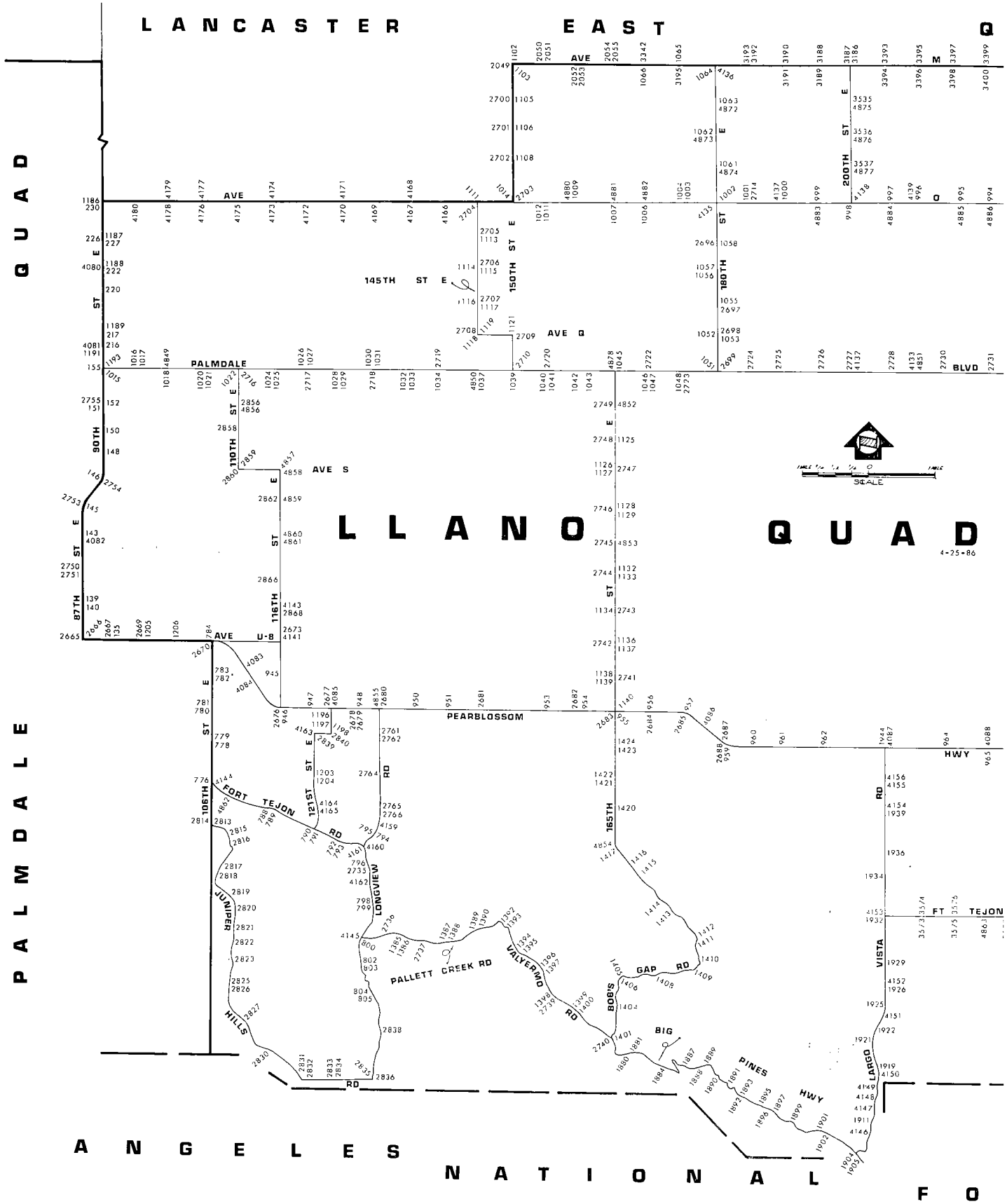
LANCASTER EAST
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110TH ST E
116TH ST E
106TH ST E
121ST ST E
165TH ST
PEARBLOSSOM
HWY
FORT TEJON RD
LONGVIEW RD
PALLETT CREEK RD
VALYERMO RD
BOBS GAP RD
BIG PINES HWY
LARGO VISTA RD
FT TEJON
JUNIPER HILLS RD
SCALE
4-25-86

AD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
BASELINE (1973)	2935.896	USC&GS MON 4IN UP 32FT N C/L PEARBLOSSOM HWY & 0.5MI E 87TH ST E 332FT E CULV I664+04 99FT E PP 1294916E MKD (H 306 1935)	CL 135
BASELINE (1973)	2857.195	CS MON IN WELL 12IN DN @ C/L INT AVE U & 87TH ST E MKD (SEC 12 13 7 18 T5N R10W R11W)	CL 139
BASELINE (1973)	2860.429	RDBM TAG ON N SIDE OF CONC FTG OF 2IN FENCE POST 135FT W C/L 87TH ST E & 25FT S C/L AVE U	CL 140
BASELINE (1973)	2776.570	CS MON (N EDGE) IN WELL 12IN DN ON C/L AVE T 10FT W C/L 87TH ST E MKD (SEC 1 6 12 7 T5N R11W R10W)	CL 143
BASELINE (1973)	2743.778	SPK SE COR WIER BOX @ NW COR 87TH ST E & AVE S-8 20FT N & 30FT W C/L INT	CL 145
BASELINE (1973)	2712.135	CS MON (S EDGE) IN WELL 16IN DN @ C/L INT 90TH ST E & AVE S MKD (SEC 31 32 T6N T5N R10W)	CL 146
BASELINE (1973)	2699.211	RDBM TAG & N IN CTR OF CONC BASE OF TELEPHONE BOOTH @ SW COR BLDG NO 37356 90TH ST E 90FT E C/L & 95FT S C/L AVE R-12	CL 148
BASELINE (1973)	2685.432	RDBM TAG & N @ SW COR OF CONC SLAB 25FT N C/L AVE R-8 & 45FT E C/L 90TH ST E	CL 150
BASELINE (1973)	2671.394	L&T @ SE COR OF CONC SLAB @ SE COR OF CONC BLOCK BLDG NO 37855 90TH ST E 130FT W C/L & 475FT N AVE R-4	CL 151
BASELINE (1973)	2663.109	CS MON (W EDGE) IN WELL 15IN DN @ C/L INT 90TH ST E & AVE R MKD (SEC 29 30 31 32 R10W T6N)	CL 152
BASELINE (1973)	2645.485	L&T IN SE COR BLDG NO 8849 PALMDALE BLVD 62FT N C/L & 140FT W C/L 90TH ST E	CL 155
BASELINE (1973)	2624.470	L&BN W SIDE CONC FTG FOR SURGE & BREATHER PIPE 60FT E &902FT N C/L INT 90TH ST E & AVE Q	CL 216
BASELINE (1973)	2617.027	L&BN W SIDE STAND PIPE AROUND SURGE & BREATHER PIPE 0.4 MI N AVE Q & 60FT E C/L 90TH ST E OPP PP NO 373189E	CL 217
BASELINE (1973)	2610.140	L&T W EDGE STAND PIPE AROUND SURGE & BREATHER PIPE 0.8 MI N AVE Q 60FT E C/L 90TH ST E 25FT S & 85FT E PP NO 373180E	CL 220
BASELINE (1973)	2603.612	L&BN NR SW COR OLD CONC FTG 50FT E & 35FT N C/L INT AVE P & 90TH ST E	CL 222

AD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)		BM NUMBER
BASELINE (1973)	2588.943	CS MON IN WELL 18IN DN @ C/L INT 90TH ST E & AVE O-8 MKD (1/4 COR 18 17 T6N R10W)	CL	226
BASELINE (1973)	2589.093	L&BN SE COR CONC FTG OF SMALL TANK 15FT S OF ELEC PUMP 300FT N OF AVE O-8 & 60FT E OF C/L 90TH ST E	CL	227
BASELINE (1973)	2575.893	RDBM TAG CONC FTG OF 8FT CHAIN LINK FENCE AROUND EDISON SUB STA 30FT S & 30FT E C/L INT OF 90TH ST E & AVE O	CL	230
BASELINE (1973)	3265.617	RDBM MON IN WELL 8IN DN ON SW COR FT TEJON RD & 106TH ST E 100FT S & 50FT W C/L INT 2IN IP MARKER 2FT W 3FT UP	CL	776
BASELINE (1973)	3164.688	CS MON IN WELL 30IN DN @ C/L INT 106TH ST E & PROP AVE W MKD (SEC COR 20-21 28-29 R10W T5N) (E EDGE)	CL	778
BASELINE (1973)	3168.528	RDBM MON IN WELL 8IN DN ON NE COR 106TH ST E & PROP AVE W 100FT N & 50FT E C/L INT 2IN IP MARKER 2FT E 3FT UP	CL	779
BASELINE (1973)	3116.060	RDBM MON IN WELL 8IN DN SW COR 106TH ST E & AVE V-8 90FT S & 50FT W C/L INT 2IN IP MARKER 2FT W 3FT UP	CL	780
BASELINE (1973)	3114.688	1-1/2IN IP & CUT SPK IN WELL 8IN DN @ C/L INT 106TH ST E & AVE V-8	CL	781
BASELINE (1973)	3046.009	L&T IN SLY CONC FTG OF LA DEPT W&P TOWER NO 198-2 ON SW COR 106TH ST E & AVE V 190FT S & 56FT W C/L INT MKD (BM)	CL	782
BASELINE (1973)	3039.497	CS MON IN WELL 18IN DN @ C/L INT 106TH ST E & AVE V MKD (16-17-20-21 T5N R10W) (N EDGE)	CL	783
BASELINE (1973)	2963.862	USGS MON 10IN UP ON SW COR 106TH ST E & PEARBLOSSOM HWY 54FT S & 43FT W C/L INT MKD (LS 23 1929)	CL	784
LLANO (1981)	3392.008	RDBM MON IN WELL 6IN DN 55FT S C/L FT TEJON RD & 1.1MI E 106TH ST E 260FT E OLD FT TEJON RD 2IN IP 3FT UP 2FT S	CL	788
LLANO (1981)	3402.847	RDBM MON IN WELL 8IN DN 55FT S C/L FT TEJON RD & 1.2MI E 106TH ST E 0.1MI E OLD FT TEJON RD 2IN IP 3FT UP 2FT S	CL	789
LLANO (1981)	3473.365	RDBM MON IN WELL 8IN DN @ SW COR FT TEJON RD & 121ST ST E 93FT S & 60FT W/O C/L INT 2IN IP 3FT UP 2FT S	CL	790

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)		BM NUMBER
LLANO (1981)	3476.770	RDBM MON IN WELL 8IN DN @ SW COR FT TEJON RD & 121ST ST E 170FT S & 27FT W C/L INT 5FT N PP NO 1201431E 2IN IP MARKER 2FT W 3FT UP	CL	791
LLANO (1981)	3518.793	RDBM MON IN WELL 8IN DN @ SW COR FT TEJON RD & DIRT RD TO N 0.3MI W LONGVIEW RD TO N 100FT S & 200FT W C/L INT 2IN IP MKR 3FT UP 2FT S	CL	792
LLANO (1981)	3522.770	RDBM MON IN WELL 8IN DN @ SE COR FT TEJON RD & DIRT RD TO N 0.3MI W LONGVIEW RD TO N 75FT S & 150FT E C/L INT 2IN IP MKR 3FT UP 2FT S	CL	793
LLANO (1981)	3474.944	RDBM MON IN WELL 180FT W & 40FT N/O C/L INT LONGVIEW RD & HOMER RD 0.1MI N/O FT TEJON RD MKD (1960)2IN IP 3FT UP 2FT N	CL	794
LLANO (1981)	3472.218	RDBM MON IN WELL @ NW COR LONGVIEW RD & HOMER RD 50FT W & 40FT N/O C/L INT 0.1MI N/O FT TEJON RD MKD (1960)2IN IP 3FT UP 2FT N	CL	795
LLANO (1981)	3542.329	SPK & BM TAG NW WINGWALL BRIDGE B-980 15FT W C/L FT TEJON RD (131ST ST E) & 250FT N INT FT TEJON RD & LONGVIEW RD TO S	CL	796
LLANO (1981)	3713.074	RDBM MON IN WELL 8IN DN 27FT W C/L LONGVIEW RD & 0.55MI S/O FT TEJON RD MKD (1960) 2IN IP 3FT UP 2FT W	CL	798
LLANO (1981)	3727.809	RDBM MON IN WELL 28FT W C/L LONGVIEW RD & 0.6MI S/O FT TEJON RD MKD (1960) 2IN IP 3FT UP 2FT W	CL	799
LLANO (1981)	3835.639	RDBM MON IN WELL 8IN DN @ SE COR LONGVIEW RD (131ST ST E) & PALLETT CREEK RD 36FT S & 160FT E C/L INT MKD (1960) 2IN IP 3FT UP 2FT S	CL	800
LLANO (1981)	3862.957	RDBM MON IN WELL 8IN DN 75FT E C/L LONGVIEW RD (131ST ST E) 0.5MI S PALLETT CREEK RD 5FT N PP #698970E MKD (1960) 2IN IP 3FT UP 2FT E	CL	802
LLANO (1981)	3871.161	RDBM MON IN WELL 8IN DN 33FT W C/L LONGVIEW RD 0.5MI S PALLETT CREEK RD 4FT W/O PP #698971E MKD (1960) 2IN IP 3FT UP 2FT W	CL	803
LLANO (1981)	3989.642	RDBM MON IN WELL 3IN DN @ NE COR LONGVIEW RD (131ST ST E) & TUMBLEWEED RD 125FT N & 50FT E C/L INT MKD (1960) 2IN IP 3FT UP 2FT W	CL	804
LLANO (1981)	3999.685	RDBM MON 8IN DN 40FT W C/L LONGVIEW RD (131ST ST E) NR C/L PROD TUMBLEWEED RD 5FT W PP NO 698998E MKD (1960)	CL	805

AD-YEAR	ELEV	D E S C R I P T I O N (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
LLANO (1981)	3019.889	USC&GS MON 10IN UP 16FT E C/L 116TH ST E & 440FT S AVE V 125FT S PP 864561E MKD (J 306 1935)	CL 945
LLANO (1981)	3065.659	CSBM MON 5IN UP 35FT N C/L PEARBLOSSOM HWY & 365FT E C/L 116TH ST E MKD (BM 106-28 1958)	CL 946
LLANO (1981)	3051.925	CS MON (N EDGE) IN WELL 9IN DN @ C/L INT 121ST ST E & PEARBLOSSOM HWY MKD (CTR SEC 22 T5N R10W)	CL 947
LLANO (1981)	3047.525	CS MON (S EDGE) 8IN DN IN WELL @ C/L INT 126TH ST E & PEARBLOSSOM HWY MKD (1/4 COR 22 23 T5N R10W)	CL 948
LLANO (1981)	3093.402	CS BM MON 5IN UP 45FT S C/L PEARBLOSSOM HWY 0.6MI E/O 131ST ST E 392FT ELY TP STUB NO 27 MKD (BM 106-32 1958)	CL 950
LLANO (1981)	3128.436	CSBM MON 4IN UP 45FT S C/L PEARBLOSSOM HWY & 1.15MI E/O 131ST ST E 238FT ELY TP STUB NO 29 MKD (BM 106-33 1958)	CL 951
LLANO (1981)	3162.449	CSBM MON FLUSH 45FT S C/L PEARBLOSSOM HWY & 1.1MI W 165TH ST E MKD (BM 106-35 1958) 93FT ELY/O TP STUB NO 34	CL 953
LLANO (1981)	3164.428	L & BT SPK SE WINGWALL BRIDGE 53-314 18FT S C/L PEARBLOSSOM HWY & 0.65MI W 165TH ST E	CL 954
LLANO (1981)	3168.950	USGS MON 6IN UP @ SE COR PEARBLOSSOM HWY & 165TH ST E 40FT S & 63FT E C/L INT MKD (LS 21 1929)	CL 955
LLANO (1981)	3184.949	CSBM MON FLUSH 44FT N & 100FT W C/L INT PEAR-BLOSSOM HWY & 170TH ST E 52FT E/O PP NO 1404342 MKD(BM 106-38 1958)	CL 956
LLANO (1981)	3197.329	CSBM MON 4IN UP 45FT N & 80FT E C/L INT 175TH ST E & PEARBLOSSOM HWY MKD (BM 106-39 1958) 2IN IP 3FT UP 2FT S	CL 957
LLANO (1981)	3284.215	CSBM MON 4IN UP 93FT S & 134FT E C/L INT PEAR-BLOSSOM HWY & AVE W 53FT S/O PP NO 1404305E MKD(BM 106-41 1958)	CL 959
LLANO (1981)	3299.982	CSBM MON 4IN UP 35FT N C/L PEARBLOSSOM HWY & 0.55MI E CURVE @ AVE W 8FT S/O PP #1404393E MKD (BM 106-42 1958)	CL 960
LLANO (1981)	3342.916	CSBM MON 35FT N/O C/L PEARBLOSSOM HWY & 1.1MI E/O AVE W 6FT S/O PP #1404381 MKD (BM 106-43 1958)	CL 961

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
LLANO (1981)	3382.508	CSBM MON 5IN UP 35FT N C/L PEARBLOSSOM HWY & 0.7MI W/O LARGO VISTA RD MKD (BM 106-44 1958) 6FT N/O PP #1404367E	CL 962
LLANO (1981)	3398.666	CSBM MON 5IN UP 40FT N C/L PEARBLOSSOM HWY & 0.55MI E LARGO VISTA RD (204TH ST E) 4FT E PP 364607E MKD (BM 106-46 1958)	CL 964
LLANO (1981)	3398.331	CSBM MON 5IN UP 40FT N C/L PEARBLOSSOM HWY & 0.25MI W ANTELOPE HWY 49FT W OF ROW PPS TO N ON W SIDE PVT RD MKD (BM 106-47 1958)	CL 965
LLANO (1981)	3405.245	USC&GS MON 3IN UP 28FT S C/L PEARBLOSSOM HWY & 0.35MI E ANTELOPE HWY MKD (L 306 1935)	CL 966
LLANO (1981)	3403.087	CS MON (E EDGE) IN WELL 12IN DN @ C/L INT 223RD ST E & PEARBLOSSOM HWY 0.5MI E/O ANTELOPE HWY MKD(20 21 28 29 T5N R8W RE 5869)	CL 967
LLANO (1981)	3401.067	CSBM MON 4IN UP 31FT S C/L PEARBLOSSOM HWY & 1.0MI E ANTELOPE HWY 49FT E FENCE COR MKD (BM 106-50 1958)	CL 968
LLANO (1981)	3395.341	CSBM MON @ SW COR 233RD ST E & PEARBLOSSOM HWY 111FT S & 25FT W C/L INT 5FT N PP 777983E MKD (BM 106-51 1958)	CL 969
LLANO (1981)	3326.390	CSBM MON 5IN UP ON W SIDE 233RD ST E (DIRT RD) 0.5MI N PEARBLOSSOM HWY 3FT W PP 777989E MKD (BM 106-52 1958)	CL 970
LLANO (1981)	3265.212	CS MON (W EDGE) 12IN DN ON 233RD ST E (DIRT RD) 1.0MI N PEARBLOSSOM HWY & 0.2MI N SPRR MKD (SEC COR 15 16 21 22 T5N R8W)	CL 971
LLANO (1981)	3209.291	CS MON 2IN UP (N EDGE) ON C/L 233RD ST E (DIRT RD) 1.5MI N PEARBLOSSOM HWY MKD (15 16 R8W T5N RE 329) (0.5MI S/O AVE U) 2IN IP 3FT UP LFT NE	CL 972
LLANO (1981)	3120.787	CS MON (USE S EDGE) 16FT W/O C/L 235TH ST E 0.5MI N/O AVE U MKD (CO SUR RE 329 9 10R8W T5N) 2IN IP 3FT UP 1.5FT E	CL 976
LLANO (1981)	3086.269	CS MON (USE S EDGE) 510FT W/O C/L 235TH ST E 1.0MI N/O AVE U MKD (CO SURV RE 329 4 3 9 10 R8W T5N) 2IN IP 3FT UP 2FT E	CL 977
LLANO (1981)	3048.412	CS MON (W EDGE) 18IN DN 0.25MI S OF SE RIDGE BLACK BUTTE 30FT E OF 2IN IP 6IN UP MKD (1/4 COR 4 3 R8W T5N) 2IN IP 3FT UP 3FT E	CL 978

AD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
LLANO (1981)	3035.575	CSBM MON 6IN UP @ BASE SE RIDGE BLACK BUTTE 143FT W/O C/L 235TH ST E 0.9MI S/O AVE R-8 50FT N/O DIRT RD MKD (BM 106-61 1958) 2IN IP 3FT UP 2FT E	CL 979
LLANO (1981)	3004.739	CS MON 14IN DN 5FT E & 15FT N C/L INT 235TH ST E & AVE S 16FT E/O BARB WIRE FENCE ON FENCE LINE PROD MKD(T5N T6N R8W SEC 34) 2IN IP 3FT UP 4FT E	CL 980
LLANO (1981)	2978.287	CSBM MON 4IN UP 40FT E C/L 235TH ST E 1.0MI S PALMDALE BLVD 36FT S C/L E-W DIRT RD 28FT W PP 682262E & 57FT NE PP 682263E MKD (BM 106-63 1958)	CL 981
LLANO (1981)	2946.708	CS MON 18IN DN 21FT W C/L 235TH ST E & 6FT S E-W DIRT RD (AVE R) MKD (1/4 COR 27 34 R8W T6N) 2IN IP 3FT UP 2FT W	CL 982
LLANO (1981)	2925.472	CSBM MON FLUSH @ NE COR PALMDALE BLVD & 235TH ST E 35FT N & 95FT E C/L INT MKD (BM 106-65 1958) 2IN IP 3FT UP 2FT N	CL 983
LLANO (1981)	2933.266	CSBM MON 4IN UP 73FT N C/L PALMDALE BLVD & 33FT E C/L 240TH ST E 8FT S/O PP #2274147E MKD (BM 106-66 1958) 2IN IP 3FT UP 2FT S	CL 984
LLANO (1981)	2911.819	CSBM MON 6IN UP 31FT E C/L 240TH ST E @ AVE Q 88FT S/O FENCE COR 2FT S/O PP #2274147E MKD(BM 106-67 1958) 2IN IP 3FT UP 2FT W	CL 985
LLANO (1981)	2887.845	CSBM MON 6IN UP 31FT E C/L 240TH ST E @ AVE P-8 5FT W PP 864351E MKD (BM 106-68 1958) 2IN IP 3FT UP 2FT W	CL 986
LLANO (1981)	2867.308	CSBM MON 2IN UP 36FT E C/L 240TH ST E & 189FT N C/L AVE P 2FT S/O PP #1559993E MKD (BM 106-69 1958) 2IN IP 3FT UP 2FT W	CL 987
LLANO (1981)	2823.535	1-1/2IN IP & NAIL 18IN DN @ C/L INT AVE O & FUT 235TH ST E 35FT S/O PP #734991E (USE NAIL)	CL 990
LLANO (1981)	2799.071	CS MON IN WELL 20IN DN @ C/L INT AVE O & 230TH ST E 36FT SE FENCE COR MKD (SEC COR 9 10 15 16 T6N R8W) USE S EDGE	CL 992
LLANO (1981)	2783.493	1-1/2IN IP & NAIL IN WELL @ C/L INT AVE O & 225TH ST E 231FT SW PP 734980E & 263FT E OF E SIDE PROP LINE HSE #22339 (USE NAIL)	CL 993
LLANO (1981)	2770.246	CSBM MON 4IN UP 35FT N C/L AVE O & 42FT E C/L 220TH ST E 5FT E PP 734973E MKD (BM 106-76 1958) 2IN IP 3FT UP 2FT S	CL 994

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)		BM NUMBER
LLANO (1981)	2756.428	CSBM MON 4IN UP 35FT N C/L AVE O & 110FT E C/L 215TH ST E 4FT E PP 734968E MKD (BM 106-77 1958) 2IN IP 3FT UP 1FT S	CL	995
LLANO (1981)	2743.775	CSBM MON 6IN UP 36FT N C/L AVE O & 220FT E C/L 210TH ST E 4FT W/O PP NO 734963E MKD(BM 106-78 1958) 2IN IP 3FT UP & 1FT S	CL	996
LLANO (1981)	2725.695	CSBM MON 4IN UP 37FT N C/L AVE O & 19FT E C/L 205TH ST E 6FT E PP 766976E MKD (BM 106-79 1959) 2IN IP 3FT UP 2FT S	CL	997
LLANO (1981)	2710.637	USGS MON 14IN UP 41FT N/O C/L AVE O & 70FT W/O C/L 200TH ST E (20FT W/O DIRT RD SLY) 202FT W/O W SIDE HSE #20111 MKD (LS 33 1929) 2IN IP 3FT UP 1FT S	CL	998
LLANO (1981)	2693.536	CSBM MON 4IN UP 32FT N C/L AVE O & 62FT E C/L 195TH ST E MKD (BM 106-81 1959) 2IN IP 3FT UP 2FT S	CL	999
LLANO (1981)	2681.722	CSBM MON 4IN UP 37FT N C/L AVE O & 1.0MI E 180TH ST E MKD (BM 106-82 1959) 2IN IP 3FT UP 2FT S	CL	1000
LLANO (1981)	2668.067	CSBM MON FLUSH 33FT N C/L AVE O & 0.4MI E 180TH ST E 24FT E PP 1185563E MKD (BM 106-83 1959) 2IN IP 3FT UP 2FT N	CL	1001
LLANO (1981)	2665.504	CS MON IN WELL 9IN DN @ C/L INT AVE O & 180TH ST E MKD (SEC COR 10 11 14 15 T6N R9W)	CL	1002
LLANO (1981)	2660.036	RDBM MON IN WELL W/COVER 40FT S C/L AVE O 100FT E C/L 175TH ST E 2IN IP 3FT UP 2FT S	CL	1003
LLANO (1981)	2660.329	CS MON IN WELL @ C/L INT AVE O & 175TH ST E MKD (1/4 COR 10 15 T6N R9W CO SURVEYOR RE 2177) USE E EDGE	CL	1004
LLANO (1981)	2649.874	CS MON IN WELL @ C/L INT AVE O & 170TH ST E MKD (SEC COR 9 10 15 16 T6N R9W RE 5869) USE W EDGE	CL	1006
LLANO (1981)	2639.177	CS MON IN WELL @ C/L INT AVE O & 165TH ST E MKD (1/4 SEC COR 9 16 T6N R9W RE 5869) USE S EDGE	CL	1007
LLANO (1981)	2649.869	CS MON IN WELL ON C/L AVE O & 302FT E/O C/L INT 160TH ST E (41FT NE/O RDBM TAG IN CONC BOX) MKD (SEC COR 8 9 17 16 T6N R9W RE 5869) USE N EDGE	CL	1009
LLANO (1981)	2665.881	CS MON IN WELL @ C/L INT AVE O & 155TH ST E MKD (1/4 COR 8 17 T6N R9W RE5869)	CL	1011

'AD-YEAR	ELEV	D E S C R I P T I O N (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
LLANO (1981)	2665.656	RDBM MON IN WELL W/COVER 40FT S C/L AVE O & 120FT W C/L 155TH ST E (PROP) 2IN IP WITNESS 3FT UP 2FT S	CL 1012
BASELINE (1973)	2646.473	RDBM MON IN WELL W/COVER 5FT N PP NO 7200215E 38FT N C/L AVE O & 365FT W 150TH ABANDONED WITNESS 3FT UP 2FT N	CL 1014
BASELINE (1973)	2643.907	CS MON IN WELL @ C/L INT PALMDALE BLVD & 90TH ST E MKD (1/4 SEC 29 30 T6N R10W)	CL 1015
LLANO (1981)	2652.271	CS MON IN WELL @ C/L INT PALMDALE BLVD & 95TH ST E MKD (CTR SEC 29 T6N R10W RE 5869)	CL 1016
LLANO (1981)	2652.230	RDBM MON IN WELL W/COVER 35FT S C/L PALMDALE BLVD & 100FT E C/L 95TH ST E MKD (1960) 2IN IP 3FT UP 2FT N	CL 1017
LLANO (1981)	2665.572	CS MON IN WELL @ C/L INT PALMDALE BLVD & 100TH ST E MKD (1/4 SEC 29 28 T6N R10W) USE E EDGE	CL 1018
LLANO (1981)	2675.232	CS MON IN WELL @ C/L INT PALMDALE BLVD & 105TH ST E MKD (CTR SEC 28 T6N R10W RE 5869) USE E EDGE	CL 1020
LLANO (1981)	2677.656	RDBM MON IN WELL 35FT S/O C/L PALMDALE BLVD & 280FT E/O C/L 105TH ST E 2IN IP 3FT UP 2FT N	CL 1021
LLANO (1981)	2684.965	RDBM MON IN WELL W/COVER 7FT W PP NO 1219350E 35FT N C/L PALMDALE BLVD & 125FT W C/L 110TH ST E MKD (1960) 2IN IP 3FT UP 2FT N	CL 1022
LLANO (1981)	2693.380	RDBM MON IN WELL W/COVER 6FT NE PP NO 1190412E 32FT N C/L PALMDALE BLVD & 195FT W C/L 115TH ST E (UNIMPROVED) 2IN IP WITNESS 3FT UP 2FT N	CL 1024
LLANO (1981)	2694.946	RDBM MON IN WELL W/COVER 6FT NE PP NO 1190414E 32FT N C/L PALMDALE BLVD & 250FT E C/L 115TH ST E 2IN IP 3FT UP 2FT N	CL 1025
LLANO (1981)	2705.079	RDBM MON IN WELL W/COVER 6FT E PP NO 1190424E 32FT N C/L PALMDALE BLVD & 90FT W C/L 120TH ST E 2IN IP 3FT UP 2FT N	CL 1026
LLANO (1981)	2706.545	CS MON IN WELL 15IN DN @ C/L INT PALMDALE BLVD & 120TH ST E MKD (CO SUR 1/4 SEC 26 27 T6N R10W)	CL 1027
LANO (1981)	2717.157	RDBM MON IN WELL W/COVER 5FT NE PP NO 1190436E 32FT N C/L PALMDALE BLVD & 135FT W C/L 125TH ST E (UNIMPROVED) 2IN IP WITNESS 3FT UP 2FT N	CL 1028

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
LLANO (1981)	2718.337	RDBM MON IN WELL W/COVER 7FT NW PP NO 1190437E 32FT N/O C/L PALMDALE BLVD & 68FT E/O C/L 125TH ST E MKD (1960) 2IN IP 3FT UP 2FT N	CL 1029
LLANO (1981)	2726.355	RDBM MON IN WELL 32FT N C/L PALMDALE BLVD 110FT W C/L 130TH ST E 5FT NE PP 1190448E 2IN IP 3FT UP 2FT N	CL 1030
LLANO (1981)	2727.103	CS MON IN WELL 18IN DN @ C/L INT PALMDALE BLVD & 130TH ST E MKD (CO SUR 1/4 COR 26 25 T6N R10W RE 2177)	CL 1031
LLANO (1981)	2738.581	RDBM MON IN WELL W/COVER 5FT N PP NO 1190810E 35FT N C/L PALMDALE BLVD & 105FT W C/L LONG-VIEW RD MKD (1960) 2IN IP 3FT UP 2FT N	CL 1032
LLANO (1981)	2740.062	RDBM MON IN WELL W/COVER 5FT N PP NO 1190811E 35FT N C/L PALMDALE BLVD & 115FT E C/L LONG-VIEW RD MKD (1960) 2IN IP 3FT UP 2FT N	CL 1033
LLANO (1981)	2752.333	RDBM MON IN WELL 35FT N C/L PALMDALE BLVD & 167FT W C/L 140TH ST E 5FT N PP #1190822E MKD (1960) 2IN IP 3FT UP 2FT N	CL 1034
LLANO (1981)	2763.258	RDBM MON IN WELL W/COVER 7FT NW PP NO 1190837E 32FT N C/L PALMDALE BLVD 380FT E C/L 145TH ST E 2IN IP WITNESS 3FT UP 2FT N	CL 1037
LLANO (1981)	2770.385	CS MON 12IN DN @ C/L INT PALMDALE BLVD & 150TH ST E MKD (1/4 COR 29 30 T6N R9W) RE 63 USE SW EDGE	CL 1039
LLANO (1981)	2780.088	RDBM MON IN WELL W/COVER 5FT SE TP NO 672265H 35FT S C/L PALMDALE BLVD & 125FT W C/L 155TH ST E MKD (1960) 2IN IP 3FT UP 2FT S	CL 1040
LLANO (1981)	2781.558	RDBM MON IN WELL W/COVER 10FT SW TP NO 585889H 35FT S C/L PALMDALE BLVD & 350FT E 155TH ST E MKD (1960) 2IN IP 3FT UP 2FT S	CL 1041
LLANO (1981)	2783.297	RDBM MON IN WELL W/COVER 6FT N PP NO 1190873E 35FT N C/L PALMDALE BLVD 50FT W C/L 160TH ST E MKD (1960) 2IN IP 3FT UP 2FT N	CL 1042
LLANO (1981)	2782.727	RDBM MON IN WELL W/COVER 7FT NW PP NO 1190874E 35FT N C/L PALMDALE BLVD 170FT E C/L 160TH ST E (PROP) MKD (1960) 2IN IP 3FT UP 2FT N	CL 1043
LLANO (1981)	2786.387	RDBM MON IN WELL 35FT N C/L PALMDALE BLVD & 180FT E C/L 165TH ST E 6FT NW PP NO 1190886E MKD (1960) 2IN IP 3FT UP 2FT S	CL 1045

AD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
LLANO (1981)	2784.978	L&T NR W EDGE OF CONC PORCH TO HSE NO 17012 PALMDALE BLVD 100FT S C/L PALMDALE BLVD & 250FT E C/L 170TH ST E	CL 1046
LLANO (1981)	2782.296	RDBM MON IN WELL W/COVER 8FT NW PP NO 1190900E 35FT N C/L PALMDALE BLVD 515FT E 170TH ST E 2IN IP 3FT UP 2FT S	CL 1047
LLANO (1981)	2776.607	RDBM MON IN WELL W/COVER 8FT NE TP NO 5-H 35FT N C/L PALMDALE BLVD 140FT W C/L 175TH ST E (DIRT RD) 2IN IP WITNESS 3FT UP 2FT S	CL 1048
LLANO (1981)	2769.011	RDBM MON IN WELL W/COVER 8FT SW PP NO 693201E 40FT W C/L 180TH ST E & 110FT N C/L PALMDALE BLVD 2IN IP 3FT UP 2FT W	CL 1051
LLANO (1981)	2746.132	CS MON 9IN DN @ C/L INT 180TH ST E & AVE Q MKD (23 22 26 27 T6N R9W) USE S EDGE	CL 1052
LLANO (1981)	2745.742	RDBM MON 7FT N PP NO 693207E 34FT W C/L 180TH ST E & 46FT N C/L AVE Q (DIRT RD) 2IN IP WITNESS 3FT UP 2FT W	CL 1053
LLANO (1981)	2722.708	RDBM MON IN WELL W/COVER 6FT W PP 825775E 60FT E C/L 180TH ST E & 32FT N C/L AVE P-8 2IN IP WITNESS 3FT UP 2FT N	CL 1055
LLANO (1981)	2706.286	RDBM MON IN WELL W/COVER 6FT W PP NO 767660E 35FT W C/L 180TH ST E & 285FT S AVE P 2IN IP 3FT UP 2FT W	CL 1056
LLANO (1981)	2703.749	USGS MON 4IN UP 33FT W C/L 180TH ST E ON FUT C/L AVE P MKD (LS 1 1929) 100FT S/O PP #1875922E	CL 1057
LLANO (1981)	2686.060	RDBM MON IN WELL W/COVER 6FT NW PP NO 767666E 32FT W/O C/L 180TH ST E & 140FT S/O C/L LAKE LOS ANGELES AVE 2IN IP 3FT UP 2FT W	CL 1058
LLANO (1981)	2648.483	CSBM MON 6IN UP ON SW COR 180TH ST E & AVE N-8 33FT W/O 180TH ST E & 125FT S/O EXISTING PVMT OF AVE N-8 MKD(BM 106-85 1959) 5FT N/O PP NO 767679 E 2IN IP 3FT UP 2FT E	CL 1061
LLANO (1981)	2629.393	CSBM MON 6IN UP 40FT W C/L 180TH ST E & 32FT N C/L AVE N 5FT W PP 767685E MKD (BM 106-86 1959) 2IN IP 3FT UP 2FT NW	CL 1062
LANO (1981)	2614.271	CSBM MON 6IN UP 33FT W C/L 180TH ST E & 0.5MI S AVE M MKD (BM 106-87 1959) 2IN IP 3FT UP 2FT E	CL 1063

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
BASELINE (1973)	2606.235	USC&GS MON IN TOP OF 6IN CONC POST FL 26FT E C/L 180TH ST E (DIRT RD) 32FT S C/L AVE M MKD(L S 18 1929-RESET 1941) 2IN IP 3FT UP 2FT W	CL 1064
BASELINE (1973)	2593.844	CSBM MON 6IN UP 30FT N C/L AVE M & 34FT W C/L 175TH ST E 39FT SW 2IN IP WITH CS TAG 12IN UP MKD (BM 106-89 1959)	CL 1065
BASELINE (1973)	2584.352	CSBM MON 6IN UP ON SW COR AVE M & 170TH ST E 124FT S & 23FT W C/L INT MKD (BM 106-90 1959) 2IN IP 3FT UP 2FT E	CL 1066
BASELINE (1973)	2575.335	CS MON IN WELL 8IN DN @ C/L INT AVE M & 150TH ST E MKD (SEC COR 31 32 5 6 T6N T7N R9W) USE N EDGE	CL 1102
BASELINE (1973)	2576.019	RDBM MON IN WELL @ SE COR AVE M & 150TH ST E 193FT S & 28FT E C/L INT 2IN IP MKR 3FT UP 2FT E	CL 1103
BASELINE (1973)	2587.119	L&T IN CONC DRWY @ GATE TO FARM HSE 50FT N C/L AVE M-8 (DIRT RD) & 360FT E C/L 150TH ST E 1FT E/O W END OF CONC	CL 1105
BASELINE (1973)	2602.819	RDBM MON IN WELL W/COVER 5FT NE PP NO X1181E 25FT E C/L 150TH ST E & 270FT N AVE N (DIRT RD) 2IN IP WITNESS 3FT UP 2FT E	CL 1106
BASELINE (1973)	2614.562	RDBM MON IN WELL W/COVER 5FT SE PP NO [illegible]E 25FT E C/L 150TH ST E & 175FT N C/L AVE [illegible] (UNIMPROVED) 2IN IP WITNESS 3FT UP 2FT E	OUT CL 1108
BASELINE (1973)	2647.844	L&T IN CONC STANDPIPE 35FT N C/L AVE [illegible] 17[illegible]T W C/L 145TH ST E	OUT CL 1111
LLANO (1981)	2710.405	RDBM MON 8FT S PP NO 1201923E 35FT E C/L 145TH ST E & 70FT S C/L AVE O-8 (UNIMPROVED) 2IN IP WITNESS 3FT UP 2FT E	CL 1113
LLANO (1981)	2797.539	CS MON 4IN DN ON C/L AVE P 6FT W OF W EDGE PVMT 145TH ST E MKD (1/4 SEC 18 19 T6N R9W RE 2177)	CL 1114
LLANO (1981)	2799.238	RDBM MON IN WELL 40FT E & 85FT S/O FUT C/L INT 145FT ST E & AVE P (UNIMPROVED) 30FT E CTR TRAV RD 2IN IP 3FT UP 3FT E	CL 1115
LLANO (1981)	2771.899	RDBM MON IN WELL W/COVER 35FT E C/L 145TH ST E & 100FT N C/L AVE P-8 (UNIMPROVED) 2IN IP WITNESS 3FT UP 2FT E	CL 1116
LLANO (1981)	2766.734	RDBM MON IN WELL W/COVER 35FT E C/L 145TH ST E & 100FT S C/L AVE P-8 (UNIMPROVED) MKD (1960) 2IN IP 3FT UP 2FT E	CL 1117

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
LLANO (1981)	2742.971	CSBM MON 45FT W C/L 145TH ST E & 35FT S C/L AVE Q 3FT W TP 632132H MKD (BM Q145E) 2IN IP 3FT UP	CL 1118
LLANO (1981)	2743.817	RDBM MON IN WELL W/COVER 9FT W TP NO 632131H 35FT S C/L AVE Q & 235FT E C/L 145TH ST E 2IN IP WITNESS 3FT UP 2FT S	CL 1119
LLANO (1981)	2785.723	CS MON 18IN DN @ C/L INT AVE Q & 150TH ST E MKD (19 20 29 30 T6N R9W) USE SW EDGE	CL 1121
LLANO (1981)	2833.762	L&BN IN CONC @ S GATE TO FARM 36FT E C/L 165TH ST E & 9FT N C/L PROP AVE R-8 1.0MI S PALMDALE BLVD 20FT N PP 325111E MKD (BM)	CL 1125
LLANO (1981)	2857.623	CS MON (E EDGE) IN WELL 18IN DN @ C/L INT 165TH ST E & AVE S MKD (SEC 33 4 5 T5N T6N R9W)	CL 1126
LLANO (1981)	2862.634	RDBM MON IN WELL 42FT E C/L 165TH ST E & 230FT S C/L AVE S 20FT E PP 325124E 2IN IP 3FT UP 2FT E	CL 1127
LLANO (1981)	2886.961	RDBM MON IN WELL 42FT E C/L 165TH ST E & 290FT N C/L AVE S-8 20FT E PP 325134E 2IN IP 3FT UP 2FT W	CL 1128
LLANO (1981)	2891.981	RDBM MON IN WELL 42FT E C/L 165TH ST E & 210FT S C/L AVE S-8 19FT E PP 325136E 2IN IP 3FT UP 2FT W	CL 1129
LLANO (1981)	2951.206	RDBM MON IN WELL 35FT E C/L 165TH ST E & 275FT N C/L AVE T-8 55FT S PP 1403611E 2IN IP 3FT UP 2FT W	CL 1132
LLANO (1981)	2959.134	RDBM MON IN WELL 35FT E C/L 165TH ST E & 203FT S C/L AVE T-8 104FT S PP 1403613E 2IN IP 3FT UP 2FT E	CL 1133
LLANO (1981)	2994.407	RDBM MON IN WELL 35FT E C/L 165TH ST E & 275FT N C/L AVE U 52FT S PP #1403624E 2IN IP 3FT UP 2FT W	CL 1134
LLANO (1981)	3034.822	RDBM TAG W LEG TRANS TOWER 192-1 135FT E C/L 165TH ST E & 655FT N AVE U-8 1.1MI N PEARBLOSSOM HWY	CL 1136
LLANO (1981)	3038.013	RDBM MON IN WELL 35FT E C/L 165TH ST E & 515FT N AVE U-8 140FT S TRANS LINE & 30FT SW PP 1403636E 2IN IP 3FT UP 2FT W	CL 1137
LLANO (1981)	3096.226	RDBM MON IN WELL 35FT E C/L 165TH ST E & 270FT N C/L AVE V 83FT S PP 1403650E 2IN IP 3FT UP 2FT E	CL 1138

AD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
LLANO (1981)	3101.597	CS MON (E EDGE) IN WELL @ C/L INT 165TH ST E & AVE V MKD (16 17 20 21 T5N R9W)	CL 1139
LLANO (1981)	3165.874	CS MON (W EDGE) IN WELL 16IN DN @ C/L INT 165TH ST E & PEARBLOSSOM HWY MKD (1/4 COR 20 21 T5N R9W)	CL 1140
BASELINE (1973)	2577.099	CSBM MON 6IN UP ON NE COR 90TH ST E & AVE O 237FT N & 37FT E C/L INT MKD (BM 107-14 1961)	CL 1186
BASELINE (1973)	2589.774	CSBM MON 6IN UP ON NE COR 90TH ST E & AVE O-8 300FT N & 35FT E C/L INT MKD (BM 107-13 1960)	CL 1187
BASELINE (1973)	2602.620	CSBM MON 6IN UP ON NE COR 90TH ST E & AVE P 30FT N & 68FT E C/L INT MKD (BM 107-12 1960)	CL 1188
BASELINE (1973)	2613.588	CS BM MON FLUSH 20FT S & 38FT E C/L INT 90TH ST E & AVE P-8 16FT S & 62FT E PP NO 1103851E MKD (BM 107-11 1960)	CL 1189
BASELINE (1973)	~~2626.805~~	CS MON IN WELL 22IN DN @ C/L INT [illegible] & AVE Q MKD (SE [illegible] DISTURBED	CL 1191
BASELINE (1973)	2644.176	CSBM MON 4IN UP ON NW COR 90TH ST E & PALMDALE BLVD 30FT N & 65FT W C/L INT MKD (BM 107-9 1960)	CL 1193
LLANO (1981)	3067.765	CS MON (S EDGE) IN WELL 8IN DN @ C/L INT 123RD ST E & AVE V-10 MKD (CO SUR RE 63)	CL 1196
LLANO (1981)	3093.210	L&T IN SE COR CONC WK TO CHURCH BLDG 31FT W C/L 123RD ST E & 90FT N C/L AVE V-12	CL 1197
LLANO (1981)	3096.169	CS MON IN WELL 8IN DN @ C/L INT 123RD ST E & AVE V-12 MKD (CO SURV RE 63) USE W EDGE	CL 1198
LLANO (1981)	3375.852	RDBM MON IN WELL @ NW COR 121ST ST E & AVE W-8 47FT N & 45FT W/O C/L INT MKD (1961) 2IN IP 3FT UP 2FT E	CL 1203
LLANO (1981)	3376.758	RDBM MON IN WELL @ SE COR 121ST ST E & AVE W-8 60FT S & 35FT E C/L INT MKD (1961) 2IN IP 3FT UP 2FT E	CL 1204
BASELINE (1973)	2947.012	CSBM MON 4IN UP @ SE COR PEARBLOSSOM HWY & 96TH ST E 31FT S & 177FT E C/L INT MKD (BM 106-22 1958)	CL 1205
SELINE (1973)	2954.262	CSBM MON 6IN UP 40FT S C/L PEARBLOSSOM HWY & 0.6MI E 96TH ST E 50FT W CTR SMALL WASH @ MKR 14FT S/O PP NO 543949H MKD (BM 106-23 1958)	CL 1206