

**COUNTY OF LOS ANGELES**

**ROAD DEPARTMENT**

**PRECISE**

**BENCH MARK LIST**



**LONG BEACH QUAD**

**1970 ADJUSTMENT**

## PREFACE

The Road Department level net is composed of more than 1,000 miles of levels supporting in excess of 10,000 bench marks. In 1964-65, a major readjustment of the net was undertaken. To emphasize the complete break with previous elevations, the SY, SG & SL series bench marks have been re-labeled BY, BG & BL, respectively.

To facilitate the adjustment, indexing, and distribution of adjusted values of the net, the County territory was divided into 31 quads or areas. For identification purposes each quad was 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 adjustment of the elevation must be included in the bench mark description, e.g.,

BG 1887 —L+BN IN CONC HDWL OF DRAIN PIPE UNDER DR 218 FT  
NE +18 FT SE C/L INT GRAND AVE +CAMERON AVE MKD (BM)  
(COVINA --1965) ELEV. 696.238

It is expected that this general adjustment will, for the most part, remain sound for the next 8 to 12 years. As new circuits are completed, however, re-adjustment of individual quads may become advisable. It is expected that these subsequent adjustments will be in the nature of a few hundredths of a foot. When a quad is re-adjusted, new elevation lists will be published and the date of the re-adjustment will replace the "1965" at the end of the bench mark description. Two bench marks in the same quad with different adjustment dates will not normally join each other. Since all adjustments taper out to nothing at the periphery of the quad, any bench mark in one quad will join any bench mark in another quad regardless of their respective adjustment dates.

The basic accuracy 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 298 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 of 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.

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DATUM: U. S. Coast and Geodetic Survey Sea Level Datum  
of 1929, through the medium of the Los Angeles  
County Engineer Precise Level Net, 1963 Adjust-  
ment.

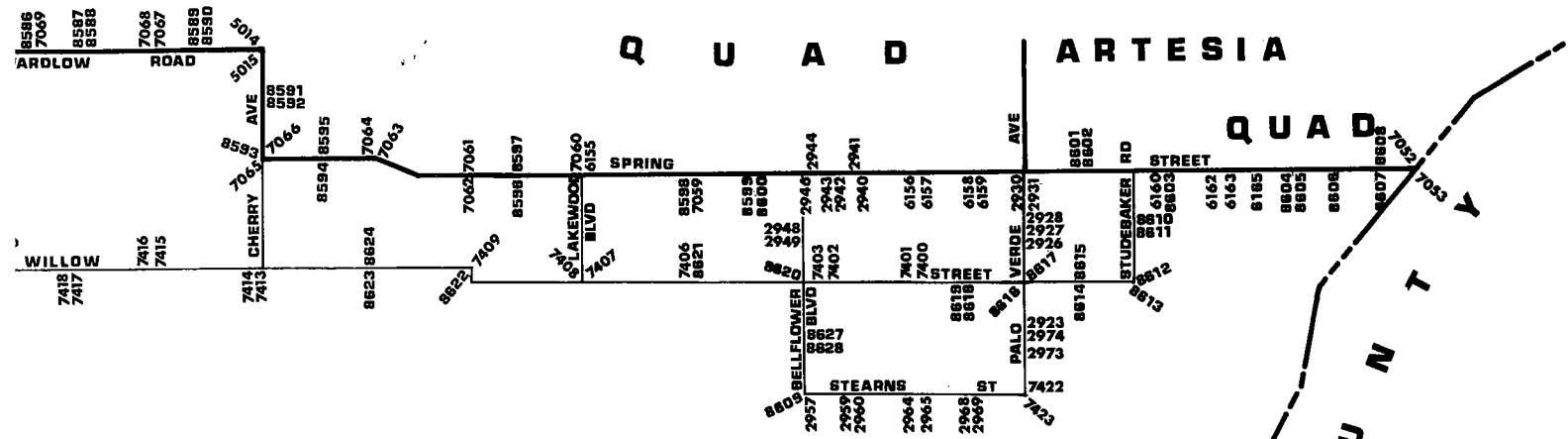
ABBREVIATIONS USED IN BENCH MARK LISTINGS

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

ABBREVIATIONS USED IN BENCH MARK LISTINGS \* \* \* CONTINUED

OPP - - - - - Opposite  
PI - - - - - Point of Intersection  
PK+W - - - - - PK Nail and Washer  
P/L - - - - - Property Line  
POST - - - - - Point on Semi-Tangent  
PP - - - - - Power Pole  
PVMT - - - - - Pavement  
PROD - - - - - Produced  
RD - - - - - Road  
RDEM - - - - - Road Dept. Bench Mark  
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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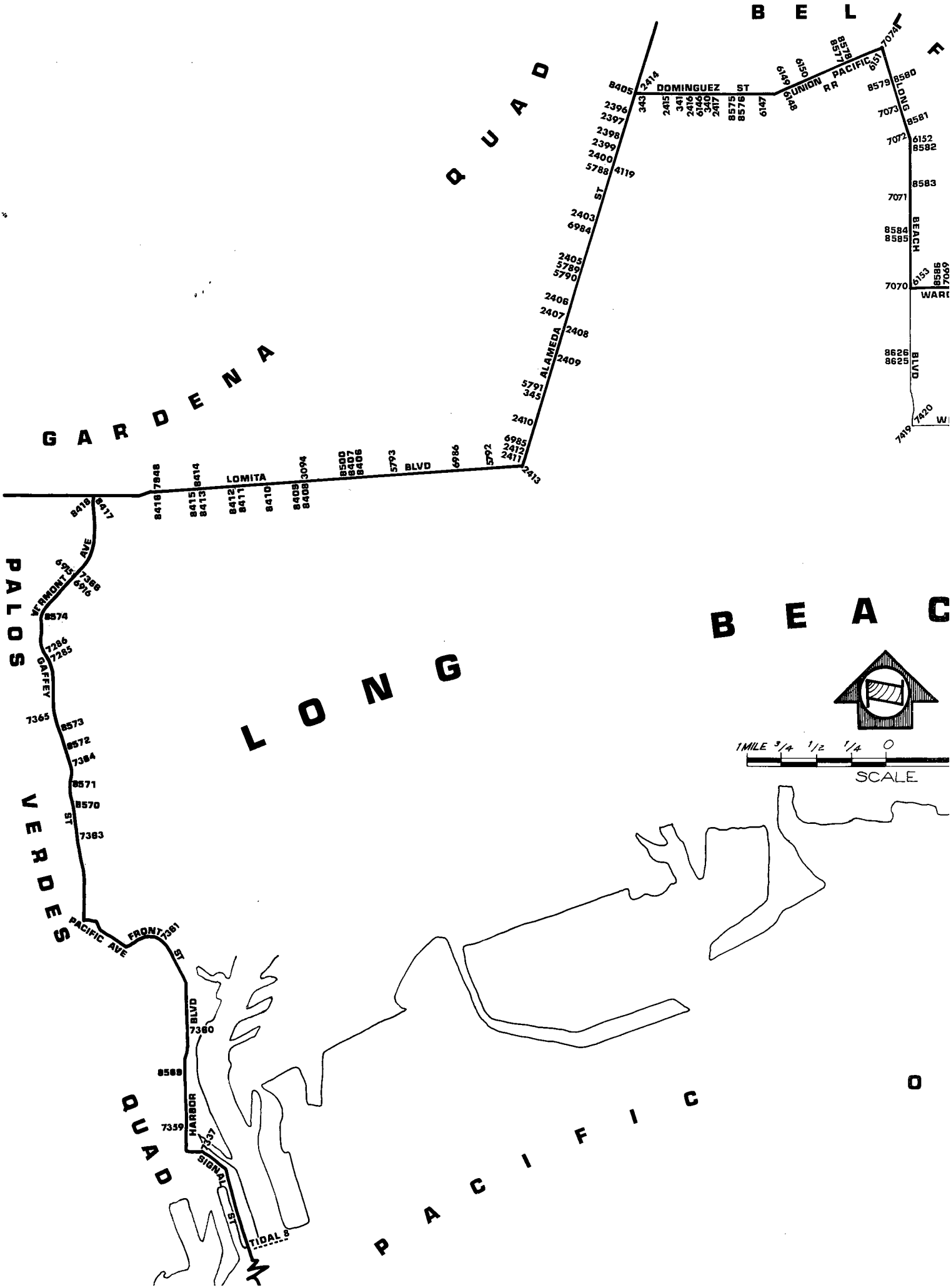
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1 MILE



QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM	NUMBER
BASELINE (1965)	32.793	L+T CTR CB RET @ SW COR SANTA FE AVE + DOMINGUEZ ST 26FT S + 44FT W C/L INT	BY	340
BASELINE (1965)	31.411	L+SPK 5FT± S CB RET @ SE COR PROSPECT AVE + DOMINGUEZ ST 36FT S + 15FT E C/L INT	BY	341
BASELINE (1965)	31.479	L + T IN S CB 30FT W C/L ALLEY 20FT S + 96FT E C/L INT ALAMEDA ST + DOMINGUEZ ST E BBL	BY	343
BASELINE (1965)	18.737	FC MON CONC POST 75FT± N C/L SEPULVEDA BLVD W 28FT± W C/L ALAMEDA BLVD	BY	345
BASELINE (1965)	29.765	L + T W CB ALAMEDA ST 40FT W C/L ON C/L PROD HARRISON ST	BY	2396
BASELINE (1965)	28.811	L + BN W CB ALAMEDA ST 40FT W C/L + ON C/L PROD JACKSON ST	BY	2397
BASELINE (1965)	28.022	L + BN W CB ALAMEDA ST 40FT W C/L ON C/L PROD MADISON ST	BY	2398
BASELINE (1965)	27.147	L + BN W CB ALAMEDA ST 40FT W C/L ON C/L PROD ADAMS ST	BY	2399
BASELINE (1965)	26.828	L+BN W CB 4FT± N OF END OF CB @ NW COR ALAMEDA ST + CARSON ST	BY	2400
BASELINE (1965)	24.115	L+BN W CB ALAMEDA ST 22FT± W C/L 650FT± N C/L 223RD ST 206FT± N C/L SAN DIEGO FWY UNDERPASS	BY	2403
BASELINE (1965)	22.151	L + BN W CB ALAMEDA ST 22FT W C/L + 1126FT S 223RD ST	BY	2405
BASELINE (1965)	20.078	L + BN IN W CB 22FT W/O C/L ALAMEDA ST + 500FT N/O MAIN ENT TO WATSON TRAP + SKEET RANGE @ 23000 ALAMEDA ST 0.6 MI N/O SEPULVEDA BLVD	BY	2406
BASELINE (1965)	17.663	CSBM MON IN WELL 1FT± W OF W CB ALAMEDA ST 23FT± W C/L 34FT± N OF N END CONC BRIDGE OVER DOMINGUEZ CHANNEL 0.5MI± N SEPULVEDA BLVD MKD (BM 5-40A 1960 RE 5869)	BY	2407
BASELINE (1965)	19.289	FC MON 4FT± E OF E CB ALAMEDA ST 44FT± E C/L @ SE COR BRIDGE NO 1113 OVER DOMINGUEZ CHANNEL 0.5MI± N SEPULVEDA BLVD MKD (111-93 1960)	BY	2408
BASELINE (1965)	17.511	L+BN E CB ALAMEDA ST 40FT E C/L 450FT± S DRWY TO THE (HANCOCK CHEMICAL BLAT) 2FT± S PP NO 1108824E 0.3MI± N SEPULVEDA BLVD	BY	2409
BASELINE (1965)	18.718	L+BN W CB ALAMEDA ST 22FT± W C/L 64FT± N PP NO 1353725E 1280FT± S SEPULVEDA BLVD	BY	2410
BASELINE (1965)	36.046	RDBM MON 5IN DN 1FT± W OF W CB ALAMEDA ST 23FT± W C/L 13FT± N LAC BDRY 0.5MI± S SEPULVEDA BLVD MKD (BM NO 1)	BY	2411
BASELINE (1965)	36.317	L+BN W CB ALAMEDA ST 22FT± W C/L 60FT± N CB END 59FT± S PP NO 1353742E 0.5MI± S SEPULVEDA BLVD	BY	2412
BASELINE (1965)	36.409	L+SPK W CB ALAMEDA ST 22FT± W C/L 5FT± N OF END OF CB 12FT± N LAC BDRY 0.5MI± S SEPULVEDA BLVD	BY	2413
BASELINE (1965)	31.658	L + T NR MCR @ SE COR ALAMEDA ST + DOMINGUEZ ST 22FT S + 45FT E/O C/L INT E BAR	BY	2414
BASELINE (1965)	31.333	L + T IN S CB 20FT S C/L DOMINGUEZ ST 1FT W/O DRWY TO HSE # 2638 DOMINGUEZ ST	BY	2415

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
BASELINE (1965)	31.991	L+T S CB DOMINGUEZ ST 25FT± W DRWY HSE NO 2738 DOMINGUEZ ST (FRONT FIRE PLUG) 20FT S/O C/L	BY 2416
BASELINE (1965)	32.865	L + S IN W CB 3FT S BCR @ SW COR DOMINGUEZ ST + SANTA FE AVE 38FT S + 40FT W C/L INT	BY 2417
LG BEACH (1970)	16.612	L + BN IN E CB ISL 1FT S/O BCR @ SE COR OF PALO VERDE AVE + DON JULIO ST 34FT E/O + 36FT S/O C/L INT MKD BM	BY 2923
LG BEACH (1970)	16.076	L + BN IN E CB @ BCR @ SE COR PALO VERDE AVE + BARBANELL ST 30FT E + 56FT S C/L INT	BY 2926
LG BEACH (1970)	17.921	L+BN E CB 1FT± S BCR @ SE COR ALLEY N OF HSE NO 2756 PALO VERDE AVE + PALO VERDE AVE	BY 2927
LG BEACH (1970)	19.775	L+BN E CB 1FT S BCR @ SE COR BELEN ST + PALO VERDE AVE 51FT S + 30FT E C/L INT	BY 2928
BASELINE (1965)	22.314	L + BN IN SO CB 1FT E/O BCR @ SE COR SPRING ST + PALO VERDE AVE 40FT S + 66FT E/O C/L INT	BY 2930
BASELINE (1965)	21.636	CS MON (BR SPK IN CONC) @ INT PALO VERDE AVE + SPRING ST 18IN DN	BY 2931
BASELINE (1965)	21.191	LACS MON IN WELL 12IN DN 8FT S + 15FT E C/L INT NO SER RD SPRING ST + LOMINA AVE MKD BM 8-35	BY 2940
BASELINE (1965)	22.737	L+N S CB SPRING ST (N SERVICE RD) C/L LOMINA AVE PROD	BY 2941
BASELINE (1965)	21.996	L + N IN CTR ISL S END PARKWAY SAN ANSELINA AVE 28FT N C/L SPRING ST SERVICE RD	BY 2942
BASELINE (1965)	22.842	L + NAIL IN SO CB SERVICE RD SPRING ST ON C/L PROD CHATWIN AVE 54FT N/O C/L SPRING ST	BY 2943
BASELINE (1965)	22.439	L + BN IN N CB 1FT E BCR 54FT N + 81FT E C/L INT SPRING ST + BELLFLOWER BLVD	BY 2944
BASELINE (1965)	21.532	LACS MON IN WELL 14IN DN W/ CITY OF L B COVER @ C/L INT SPRING ST + BELLFLOWER BLVD N EDGE	BY 2946
LG BEACH (1970)	20.507	L+BN W CB 1FT± N BCR @ NW COR 2 <sup>ND</sup> ST + BELLFLOWER BLVD 40FT N + 35FT W C/L INT	BY 2948
LG BEACH (1970)	20.405	L + N IN W CB 2FT S/O BCR ISL @ SW COR BELLFLOWER BLVD + 28TH ST 42FT S + 35FT W/O C/L INT	BY 2949
LG BEACH (1970)	16.128	L+BN S CB 1FT± E BCR @ SE COR STEARNS ST + BELLFLOWER BLVD 29FT S + 54FT E C/L INT	BY 2957
LG BEACH (1970)	15.051	L+N CTR CB RET @ SW COR SAN ANSELINA AVE + STEARNS ST 36FT S + 22FT W C/L INT	BY 2959
LG BEACH (1970)	15.928	L+N CTR CB RET @ SE COR LOMINA AVE + STEARNS ST 22FT E + 30FT S C/L INT	BY 2960
LG BEACH (1970)	16.292	L+T CTR CB RET @ SE COR SAN VICENTE AVE + STEARNS ST 30FT S + 25FT E C/L INT	BY 2964
LG BEACH (1970)	15.248	L+N CTR CB RET @ SE COR FANWOOD AVE + STEARNS ST 20FT S + 21FT E C/L INT @ S SER RD	BY 2965
LG BEACH (1970)	14.105	L + T IN S CB S SER RD 1FT E/O BCR @ SE COR OF STEARNS ST + GONDAR AVE 16FT S + 32FT E/O C/L INT @ S SER RD	BY 2968



QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
LG BEACH (1970)	13.835	L + T IN S CB S SER RD 1FT E/O BCR @ SE COR STEARNS ST + MCNAB AVE 16FT S + 34FT E/O C/L INT @ S SER RD	BY 2969
LG BEACH (1970)	15.889	L + N IN E CB 30FT E/O C/L PALO VERDE AVE + 18 FT S C/L PROD BELICE ST	BY 2973
LG BEACH (1970)	16.127	L+BN W CB E SERVICE RD PALO VERDE AVE 15FT± S C/L PROD LOS ARCOS ST	BY 2974
BASELINE (1965)	43.066	LACE MON @ C/L INT AVALON BLVD + LOMITA BLVD	BY 3094
BASELINE (1965)	30.841	USC+GS MON 2FT± ABOVE GROUND IN W SIDE OF DOMINGUEZ WATER CO BLDG 46FT± E C/L ALAMEDA ST 100FT S C/L CARSON ST MKD (D 167 1933)	BY 4119
BASELINE (1965)	53.469	CITY OF LONG BEACH MON IN WELL 8IN DN ON NW COR CHERRY AVE + WARDLOW RD 5FT± N OF N CB + 45FT± W OF W CB MKD (BM 93)	BY 5014
BASELINE (1965)	58.199	USC+GS BM VERTICAL IN NE COR WALL OF LONG BEACH WATER DEPT PUMP HSE SW COR CHERRY AVE + WARDLOW RD 70FT± S + 219FT± W C/L INT MKD(H98-1932)	BY 5015
BASELINE (1965)	26.066	R D MON 6IN DN ALAMEDA ST 27FT W C/L + 225FT S C/L CARSON ST MKD (BM 7)	BY 5788
BASELINE (1965)	21.322	R D MON 4IN DN 3FT± W OF W CB ALAMEDA ST 25FT± W C/L 1070FT± S 223RD ST 30FT S PP NO 444418E MKD (BM 6)	BY 5789
BASELINE (1965)	21.481	R D MON 6IN DN 3FT W OF W CB ALAMEDA ST 25FT± W C/L 13FT S GP NO 444419 1145FT S 223RD ST MKD (BM 5)	BY 5790
BASELINE (1965)	16.181	R D MON W CB ALAMEDA ST 35FT W C/L 281FT± N C/L SEPULVEDA BLVD 45FT± S CATCH BASIN MKD (Y 3)	BY 5791
BASELINE (1965)	36.628	CS MON IN CONC POST 2IN UP LAC BOUNDARY LINE 80FT± S SPUR TRACK TO TANK FARM 600FT± W ALAMEDA ST 3.5MI± S SEPULVEDA BLVD MKD (CO SUR RE 5869 LA CO-LA CITY)	BY 5792
BASELINE (1965)	41.023	L+BN CONC BASE CHAIN LINK FENCE POST @ GATE TO SPUR TRACK INTO (ETHYL CORT) YD 50FT± N TRACK 86FT± N C/L DIRT ROAD (LOMITA BLVD) 90FT± W CONC ENT ROAD 3.4MI± E WILMINGTON AVE	BY 5793
BASELINE (1965)	31.540	CS MON 10IN DN 14FT± S + 72FT± W C/L INT DOMINGUEZ ST + SANTA FE AVE MKD (BM 8-57 RE 63)	BY 6146
BASELINE (1965)	53.875	BT SPK IN CONC ABUT OF UPRR + PERR CROSSING OVER LONG BEACH FREEWAY NR DOMINGUEZ ST 18FT± W OF W RAIL PERR + 8FT± N OF N RAIL UPRR	BY 6147
BASELINE (1965)	57.126	CS BR DISK CTR S HDWL W CONC ABUT UPRR BRIDGE OVER LA RIVER @ MILE POST 17.13 10FT E/O W END HDWL MKD (BM 8-55B 1960)	BY 6148
BASELINE (1965)	57.172	CHIS SQ TOP NE COR CONC ABUT 9FT± N OF UPRR @ W END BRIDGE OVER LA RIVER @ MILE POST 17.13	BY 6149
BASELINE (1965)	57.263	CS BR DISK CTR N HDWL E CONC ABUT 6FT± E UPRR BRIDGE OVER LA RIV @ MILE POST 17.13 MKD (BM 8-54B 1960)	BY 6150

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
BASELINE (1965)	44.061	USC + GS DISK 3FT± ABOVE GROUND IN E FACE OF W CONC ABUT UPRR BRIDGE OVER LONG BEACH BLVD 1FT± S OF N END ABUT + 49FT± S/O S CB 48TH ST + 14FT± W OF W CB LONG BEACH BLVD MKD (Z-799 1946)	BY 6151
BASELINE (1965)	102.613	4IN BR TABLET IN WELL 18FT± N OF S CB LINE PROD SAN ANTONIO DR + 33FT± E OF W CB LINE PROD LONG BEACH BLVD MKD (LA COUNTY SURVEY CONTROL SYSTEM TRAVERSE STATION CLEARWATER B-8A RE 2177)	BY 6152
BASELINE (1965)	88.077	4IN BR TABLET IN WELL 40FT± E OF W CB PROD LONG BEACH BLVD + 31FT± S OF N CB PROD WARDLOW RD MKD (LA COUNTY SURVEY CONTROL SYSTEM TRAVERSE STATION CLEARWATER B-10 RE 2177)	BY 6153A
BASELINE (1965)	24.359	L B CITY MON IN WELL IN LEFT TURN LANE OF NO 8BL SPRING ST @ NE COR SPRING ST + LAKEWOOD AVE 8FT N/O NO CB MEDIAN ISLE 3FT W/O END ISL MKD CITY ENG MON USE NO EDGE	BY 6155
BASELINE (1965)	22.571	L+BRAD IN CHIS SQ N CB 4FT± W BCR SPRING ST + WOODRUFF AVE 45FT± N + C/L INT	BY 6156
BASELINE (1965)	23.150	L+BRAD E CB 1FT± N BCR @ NE COR WOODRUFF AVE 40FT± E + 54FT± N C/L INT	BY 6157
BASELINE (1965)	21.809	L+BRAD IN CHIS SQ W CB 6FT± S BCR @ SW COR SPRING ST + SNOWDEN AVE 100FT± S + 18FT± W C/L INT	BY 6158
BASELINE (1965)	23.196	RDBM TAG S CB 1FT± E BCR @ SE COR SPRING ST + SNOWDEN AVE 45FT± S + 48FT± E C/L INT	BY 6159A
BASELINE (1965)	19.757	C S MON IN WELL 9IN DN IN MAC PVMT SO SER RD 6FT N SO CB @ SW COR SPRING ST + STUDEBAKER RD 74FT S + 114FT W/O C/L INT MKD BM 8-33 1951	BY 6160
BASELINE (1965)	28.848	USC+GS MON FL IN SE COR CONC VALVE BOX 60FT N C/L SPRING ST + 84FT W/O BR =B960 OVER SAN GABRIEL RIVER MKD J-51 RESET 1952	BY 6162
BASELINE (1965)	37.562	CS CONTROL SYSTEM TRAVERSE MON 14IN DN 2FT± S OF S CB + 15FT± W OF W END BRIDGE NO B96C DN SPRING ST @ SAN GABRIEL RIV MKD (ARTESIA B-11 1954)	BY 6163A
BASELINE (1965)	39.311	CS REF MON SE COR BR B 965 IN TOP OF CONC ABUT 3FT S CB LINE @ SPRING ST + SAN GABRIEL RIVER MKD (ARTESIA B-11 RM 1 1954)	BY 6165
BASELINE (1965)	19.415	L+BN N CB PACIFIC COAST HWY COR VERMONT AVE 38FT N + 70FT W C/L INT	BY 6915
BASELINE (1965)	19.730	SQ HD SPK S CB PACIFIC COAST HWY 8FT W BCR @ SW COR VERMONT AVE 38FT S + 150FT W C/L INT ON CB	BY 6916A
BASELINE (1965)	27.064	USC+GS DISK IN S FACE OF BRIDGE PILLAR SAN DIEGO FRWY 3FT ABOVE GND 400FT N C/L 223RD ST + 40FT W/O C/L ALAMEDA ST MKD (L9-70 1964)	BY 6984A
BASELINE (1965)	37.153	USC+GS MON IN N FACE OF CONC VALVE BOX 12IN UP 27FT W C/L ALAMEDA ST + 215FT N LA CITY BCRY LINE (0.5MI S SEPULVEDA BLVD)	BY 6985A
BASELINE (1965)	34.274	CS BM IN CONC FLUSH 2614FT W C/L ALAMEDA ST 47FT E/O C/L BLINN AVE 2FT S/O 6FT CHAIN LINK FENCE TO TANK FARM MKD (BM 5-80 1964 RE 5869)	BY 6986A

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
BASELINE (1965)	37.876	C O E MON FL IN NE COR CONC ABUT BR #B1110 SQ BARREL SPRING ST @ LOS COYOTES CK MKD CC #6 1957	BY 7052
BASELINE (1965)	37.582	C O E MON FL IN CONC ABUT @ SW COR BR #B1110 @ SPRING ST + LOS COYOTES CK 4FT S/O CB MKD CC #5 1957	BY 7053
BASELINE (1965)	23.188	CS MON IN HAND HOLE @ C/L INT SPRING ST + CLARK AVE	BY 7059
BASELINE (1965)	23.334	L B CITY MON IN WELL IN LEFT TURN LANE @ NW SIDE LAKEWOOD AVE + SPRING ST 8FT W/O W CB MEDIAN ISL + 65FT N/O S END ISL USE W EDGE	BY 7060
BASELINE (1965)	35.223	LB CITY MON @ NW COR SPRING ST + REDONDO AVE 40FT N + 45FT W C/L INT 3FT W OF BCR MKD (RE 3111-BM 8-40 CLB 1963)	BY 7061
BASELINE (1965)	35.224	L+BR IN CHIS SQ TOP OF CB @ SW COR SPRING ST + REDONDO AVE 41FT S + 55FT W C/L INT	BY 7062A
BASELINE (1965)	46.888	LB CITY MON 9 IN DN @ NELY COR SPRING ST + TEMPLE AVE 41FT NLY + 35FT ELY C/L INT MKD (541)	BY 7063
BASELINE (1965)	47.989	L+N N CB SPRING ST 37FT W OF BCR @ NW COR SPRING ST + TEMPLE AVE 80FT W + 40FT N C/L INT	BY 7064
BASELINE (1965)	79.000	L+BR IN CHIS SQ 20FT S BCR @ N END C B @ SW COR SPRING ST + CHERRY AVE 70FT S + 25FT W C/L INT	BY 7065A
BASELINE (1965)	75.460	L+BN E CB 1FT S BCR @ NE COR CHERRY AVE + SPRING ST 72FT N + 50FT E C/L INT MKD (BM)	BY 7066
BASELINE (1965)	69.618	LB CITY MON 10IN DN @ NE COR WARDLOW RD + ORANGE AVE 33FT E + 51FT N C/L INT	BY 7067
BASELINE (1965)	69.066	LB CITY MON 21IN DN @ C/L INT ORANGE AVE + WARDLOW RD MKD (BM)	BY 7068A
BASELINE (1965)	87.173	C L B MON IN WELL @ C/L INT WARDLOW RD + ATLANTIC AVE S MON OF 2 MON USE S EDGE @ ARROW	BY 7069
BASELINE (1965)	88.209	RAMSET W CB LONG BEACH BLVD 35FT N BCR 30FT W + 120FT N C/L INT WARDLOW RD + LONG BEACH BLVD	BY 7070
BASELINE (1965)	110.497	CS TRI MON 34FT W OF E CB LONG BEACH BLVD + 216FT S C/L INT ROOSEVELT RD + LONG BEACH BLVD MKD (B-9-RE 2177-2)	BY 7071
BASELINE (1965)	97.747	USC+GS MON FL 2FT W/O W CB LONG BEACH BLVD + 2FT N/O LIGHT POST #409 20FT S + 36FT W C/L INT LONG BEACH BLVD + COUNTRY CLUB LN SO ENT MKD A-780 1946	BY 7072
BASELINE (1965)	92.364	CS TRI MON 10IN DN 200FT N C/L INT 44TH ST + LONG BEACH BLVD 34FT W OF E CB MKD (CLEARWATER B-8 RE 2177)	BY 7073
BASELINE (1965)	40.276	CS TRI MON 2FT E C/L INT ARBOR ST + LONG BEACH BLVD MKD (CLEARWATER A 7 RE 2177)	BY 7074
BASELINE (1965)	66.746	BR MON FL SWLY COR CONC BR OVER PERR 30FT SLY C/L ANAHEIM ST + 500FT ELY GAFFEY ST MKD (Z - 50 RESET 1945)	BY 7285
BASELINE (1965)	52.972	BR MON FL NR S COR SQ CONC M H RIM 56FT NELY C/L GAFFEY ST + 0.1MI SLY ANAHEIM ST MKD (E 770 1945)	BY 7286

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
BASELINE (1965)	10.074	USC+GS BR DISC SW COR CONC FTG TO THIRD CONC COLUMN W/O STAIRWAY UNDER SIGNAL ST VIADUCT + NR PROMINENT WATER TANK MKD ( 12 1935)	BY 7337
BASELINE (1965)	9.570	USC+GS MON IN FACE CONC RET WL 160FT N FROM SLY END E OF HARBOR BLVD + W OF PERR TRACKS 350FT NW OF N END FISHERMAN WHARF MKD (49-1936)	BY 7359
BASELINE (1965)	15.696	3/4IN HEX BAR 12IN DOWN IN LACE WELL ON C/L 2ND ST PROD FROM W + 2FT E OF E MEDIAN STRIP CB ON HARBOR BLVD	BY 7360
BASELINE (1965)	9.140	3/4IN HEX BAR 18IN DN IN LACE WELL @ C/L INT FRONT ST + KNOLL DR	BY 7361A
BASELINE (1965)	22.009	USC+GS BR DISC IN TOP HDWL ABANDONED CULVERT LOC 6FT ELY FROM E EDGE PVMT GAFFEY ST + 410FT NLY FROM SAN PEDRO DRIVE-IN THEATER SIGN MKD (R-770 1945 )	BY 7363
BASELINE (1965)	25.772	USC+GS BR DISC IN CONC POST 2FT N FROM 2IN WITNESS PIPE LOC 0.9MI SLY ALONG GAFFEY ST FROM INT WITH ANAHEIM ST + 8FT W OF W EDGE PVMT MKD ( L-770 1945 )	BY 7364A
BASELINE (1965)	20.805	USC+GS BR DISC IN CONC POST 2FT W FROM 2IN WITNESS PIPE LOC 0.5MI SLY ALONG GAFFEY ST FROM INT WITH ANAHEIM ST + 25FT W OF WLY EDGE PVMT MKD ( H-770 1945 )	BY 7365
BASELINE (1965)	19.032	3/4IN HEX BAR IN CONC 9IN DN IN LACE WELL @ C/L INT PACIFIC COAST HWY + VERMONT AVE	BY 7366
LG BEACH (1970)	18.844	L+BN IN E CRB SAN VICENTE AVE 34FT N BCR @ NE COR WILLOW ST 94FT N + 18FT E C/L INT MKD (BM)	BY 7400
LG BEACH (1970)	18.890	L+BN IN W CRB SAN VICENTE AVE 20FT N BCR @ NW COR WILLOW ST 90FT N + 18FT W C/L INT MKD (BM)	BY 7401
LG BEACH (1970)	19.046	L + BN IN E CB 1FT N/O ECR @ NE COR WILLOW AVE + LOS COYOTES DIAG 85FT N + 45FT E/O C/L INT MKD BM	BY 7402
LG BEACH (1970)	19.800	L+T IN CB OF WILLOW ST 7FT W BCR @ NW COR LOS COYOTES DIAGONAL 46FT N + 32FT W C/L INT	BY 7403
LG BEACH (1970)	20.116	L+BN IN N CB WILLOW ST @ BCR @ NW COR CLARKE AVE 50FT N + 65FT W C/L INT MKD (BM)	BY 7406
LG BEACH (1970)	26.145	L+BN IN N CB WILLOW ST 1FT W BCR @ NE COR LAKEWOOD BLVD 55FT N + 94FT E C/L INT MKD (BM)	BY 7407
LG BEACH (1970)	26.935	L+BN IN N CB WILLOW ST 1FT W BCR @ NW COR LAKEWOOD BLVD 55FT N + 94FT W C/L INT MKD (BM)	BY 7408
LG BEACH (1970)	51.868	CS REF MON FLUSH 1FT N OF N CRB WILLOW ST @ BCR @ NE COR REDONDO AVE 47FT N + 47FT E C/L INT MKD (BM NO 1 1953 CLEARWATER F 12)	BY 7409
LG BEACH (1970)	145.954	L+T IN W CRB CHERRY AVE 1FT N CBR 25FT W + 73FT S C/L INT WILLOW ST MKD (BM)	BY 7413
LG BEACH (1970)	145.141	L+BN IN S CBR WILLOW ST 1FT E CB @ SW COR CHERRY AVE 20FT S + 50FT W C/L INT MKD (BM)	BY 7414
LG BEACH (1970)	91.328	L + T IN CONC GTR @ EAST SIDE ORANGE AVE 102FT N + 25FT E/O C/L INT @ WILLOW AVE + ORANGE AVE MKD BM	BY 7415

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QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
LG BEACH (1970)	87.545	L + BR IN CHIS SQ IN W CB CEMETARY 5 FT N + 40FT W C/L INT WILLOW AVE + ORANGE	BY 7416
LG BEACH (1970)	61.368	L+BN IN E CRB OLIVE AVENUE 18FT E + 100FT S C/L INT WILLOW ST MKD (BM)	BY 7417
LG BEACH (1970)	60.559	L+B IN W CRB OLIVE AVENUE 18FT W + 100FT S C/L INT WILLOW ST	BY 7418
LG BEACH (1970)	17.874	L+B IN S CB WILLOW ST 20FT W BCR @ SW COR LONG BEACH BLVD 40FT S + 82FT W APPROX C/L INT	BY 7419
LG BEACH (1970)	17.451	CS MON IN WELL 12IN DN ON C/L WILLOW ST ABT 21FT E C/L LONG BEACH BLVD TO THE S MKD (CLEARWATER 1940)	BY 7420
LG BEACH (1970)	12.049	L+BN IN N CB STEARNS ST @ NW COR STEARNS ST + PALO VERDE AVENUE 6FT W OF BCR 40FT N + 82FT W C/L INT	BY 7422
LG BEACH (1970)	12.109	L + BR IN S CB 38FT W/O BCR @ SW COR STEARNS ST + PALO VERDE AVE 97FT W/O + 40FT S/O C/L INT	BY 7423
BASELINE (1965)	35.118	CITY OF LA MON FL @ NE COR LOMITA BL + FIGUEROA ST 74FT N + 43FT E C/L INT MKD PBM 21-02860 1967	BY 7948A
BASELINE (1965)	26.930	CS MON FL IN HDWL ON NW COR TYLER ST + ALAMEDA ST 90FT N + 72FT W C/L INT MKD BM 5-37A 1970	BY 8405
BASELINE (1965)	41.606	DEPT OF W P MON IN STEP OF DEPT WATER + POWER BLDG 55FT S C/L LOMITA BLVD + 270FT W/O EUBANK AVE	BY 8406
BASELINE (1965)	39.559	CITY OF LA HEX BOLT IN WELL 12IN DN @ C/L INT LOMITA BLVD + WILMINGTON AVE	BY 8407
BASELINE (1965)	43.603	RDBM TAG IN E CB 1FT SECR @ NE COR LOMITA BLVD + AVALON BLVD 40FT E + 71FT N C/L INT	BY 8408
BASELINE (1965)	43.517	RDBM TAG IN N CB 1FT W/O BCR @ NW COR LOMITA BLVD + AVALON BLVD 40FT N + 63FT W/O C/L INT	BY 8409
BASELINE (1965)	41.012	LACE MON IN WELL 8IN DN 11FT N C/L INT LOMITA BLVD + ISLAND AVE TO S MKD (LA CITY 1970)	BY 8410
BASELINE (1965)	40.475	LA CITY MON IN WELL 8IN DN 4FT S C/L INT LOMITA BL + BAY VIEW AVE MKD (LA CITY 1970)	BY 8411
BASELINE (1965)	40.846	L + SPK 19FT W BCR @ SW COR LOMITA BL + BAY VIEW AVE 38FT S + 70FT W C/L INT	BY 8412
BASELINE (1965)	39.955	LACE MON 10FT S C/L INT LOMITA BL + GULF AVE MKD (LA CITY 1970)	BY 8413
BASELINE (1965)	40.113	LA CITY MON FL 18FT S BCR @ SW COR LOMITA BL + WILMINGTON BL 96FT S + 28FT W C/L INT MKD PBM 21-03269 1967	BY 8414
BASELINE (1965)	39.708	SPK + L 4FT W BCR @ NW COR LOMITA BL + MAIN ST 42FT N + 80FT W C/L INT MKD SD 1118	BY 8415
BASELINE (1965)	35.150	RDBM TAG 1FT W BCR @ NW COR LOMITA BL + FIGUEROA ST 42FT N + 84FT W C/L INT	BY 8416
BASELINE (1965)	33.178	RDBM TAG 4FT S BCR @ SE COR LOMITA BL + VERMONT AVE 80FT S + 42FT E C/L INT	BY 8417

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
BASELINE (1965)	35.892	CITY OF LA MON FL SW COR LOMITA BL + VERMONT AVE 46FT S + 76FT W C/L INT MKD PBM 21-06880	BY 8418
BASELINE (1965)	40.292	FT HD SPK IN N CB 2FT W/O CB END @ NW COR LOMITA BLVD + WILMINGTON AVE 40FT N + 45FT W/O C/L INT	BY 8500
BASELINE (1965)	10.565	BOLT 3FT ABOVE TRACK @ N END RET WL W OF PERR + E SIDE OF HARBOR BLVD NR 10TH ST C/L PROD	BY 8569
BASELINE (1965)	28.184	USC+GS MON IN CONC 1FT UP 95FT N ENT GATE #4 38FT E C/L GAFFEY AVE + 1.1 MI S ANAHEIM ST MKD V770 1945	BY 8570
BASELINE (1965)	27.228	USC+GS MON IN CONC 0.3 UP 38FT E C/L GAFFEY ST + 1.0 MI S ANAHEIM ST MKD V770 1945	BY 8571
BASELINE (1965)	24.331	USC+GS MON IN CONC 0.2 UP 43FT W C/L GAFFEY ST + 0.75 MI S ANAHEIM ST MKD K770 1945	BY 8572
BASELINE (1965)	22.566	USC+GS MON IN CONC 0.5 UP 44FT W C/L GAFFEY ST + 0.6 MI S ANAHEIM ST @ ENT TO SAN PEDRO POLICE RANGE MKD J 770 1945	BY 8573
BASELINE (1965)	40.542	CT SPK + L @ N END C B 0.2 MI N ANAHEIM ST + 40FT W C/L NORMANDIE AVE @ JCT VERMONT AVE	BY 8574
BASELINE (1965)	33.870	RDBM TAG IN N CB 12FT W/O END + 19FT W/O SPRR TRKS 32FT N + 0.25 MI E/O C/L INT DOMINGUEZ ST + SANTA FE AVE	BY 8575
BASELINE (1965)	34.368	L + T IN N EDGE CONC BASE RR SIGNAL 18FT S + 0.25 MI E/O C/L INT DOMINGUEZ ST + SANTA FE AVE 13FT W/O SPRR TRKS	BY 8576
BASELINE (1965)	36.623	L + BR IN W CB 40FT WLY + 3FT SLY APPROX C/L INT 47TH ST + PACIFIC AVE	BY 8577
BASELINE (1965)	36.700	L + T IN SE COR LIGHT POST BASE #A-11 19FT N + 17FT E APPROX C/L INT 47TH ST + PACIFIC AVE	BY 8578
BASELINE (1965)	53.405	L + T IN E CB 26FT N + 35FT E/O C/L INT LONG BEACH BLVD + 46TH ST	BY 8579
BASELINE (1965)	55.027	L + BR IN W CB SER RD DN C/L PROD 46TH ST + 57FT E/O C/L INT @ LONG BEACH BLVD	BY 8580
BASELINE (1965)	94.551	L + BR NR CTR CB RET @ NE COR LONG BEACH BLVD + 44TH ST 27FT N + 27FT E C/L INT OF SERVICE RD	BY 8581
BASELINE (1965)	103.073	RAMSET IN CHIS SQ IN W CB 3FT S BCR @ SW COR LONG BEACH BLVD + SAN ANTONIO DR 37FT WLY + 90FT SLY C/L INT	BY 8582
BASELINE (1965)	110.412	RAMSET IN W CB 5FT S BCR @ SW COR LONG BEACH BLVD + ROOSEVELT RD 45FT S + 39FT W C/L INT	BY 8583
BASELINE (1965)	95.675	RDBM TAG IN W CB 5FT S DRWY TO BLDG #3711 35FT W + 53FT N APPROX C/L INT LONG BEACH BLVD + 37TH ST	BY 8584
BASELINE (1965)	93.633	L + SQ HD SCREW IN E CB 7FT S BCR @ SE COR LONG BEACH BLVD + 37TH ST 35FT E + 41FT S/O C/L INT	BY 8585
BASELINE (1965)	88.594	L + BR NR CTR CB RET @ SW COR WARDLOW RD + ATLANTIC AVE 34FT S + 34FT W/O C/L INT	BY 8586
BASELINE (1965)	80.592	RDBM TAG IN S CB 4FT W/O BCR @ SW COR WARDLOW RD + CALIFORNIA AVE 28FT S + 40FT W C/L INT	BY 8587

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BASELINE (1965)	79.718	RDBM TAG IN E CB 6FT N ECR @ NE COR WARDLOW RD + CALIFORNIA AVE 47FT N + 16FT E/O C/L INT	BY 8588
BASELINE (1965)	64.531	L + BR IN W CB S EDGE CB 3FT N ECR @ WARDLOW RD + WALNUT AVE 47FT N + 18 FT E/O C/L INT	BY 8589
BASELINE (1965)	63.716	RDBM TAG IN N CB 30FT E/O BCR @ NE COR WARDLOW RD + WALNUT AVE 28FT N + 79FT E/O C/L INT	BY 8590
BASELINE (1965)	54.709	L + BR IN W CB 40FT W + 30FT N C/L INT @ CHERRY AVE + 32ND ST	BY 8591
BASELINE (1965)	54.129	CITY OF L B MON IN WELL 7IN DN ON C/L CHERRY AVE 30FT N C/L 32ND ST	BY 8592
BASELINE (1965)	77.120	LACS MON FL IN WALK @ NW COR CHERRY AVE + SPRING ST 45FT N + 50FT W C/L INT MKD BM 8-41B 1965	BY 8593
BASELINE (1965)	58.243	L + BR IN E END CB 2FT W/O BCR @ SW COR SPRING ST + JUNIPERO AVE 46FT S + 61FT W/O C/L INT	BY 8594
BASELINE (1965)	57.280	L + BR IN S CB 1FT E/O BCR @ SE COR SPRING ST + JUNIPERO AVE 46FT S + 62FT E/O C/L INT	BY 8595
BASELINE (1965)	33.180	L + BN IN CONC NOSE ISL NR C/L SPRING ST 41FT W/O INT @ ENT TO U S A 19TH ARTY GROUP AVIATION SECT 4000 SPRING ST STPD BM	BY 8596
BASELINE (1965)	31.033	L + BN IN CONC NOSE ISL NR C/L SPRING ST 20FT E/O INT @ ENT TO U S A 19TH ARTY GROUP AVIATION SECT 4000 SPRING ST MKD BM	BY 8597
BASELINE (1965)	25.025	L + BR IN S CB 7FT W/O BCR @ SW COR SPRING ST + CLARK AVE E EDGE CB 43FT S + 77FT W C/L INT	BY 8598
BASELINE (1965)	24.044	L + BR IN N CB 7FT W/O BCR @ NW COR SPRING ST + RUTGERS AVE 42FT N + 43FT W/O C/L INT	BY 8599
BASELINE (1965)	25.159	L + BR IN SO CB 43FT S + 52FT W/O C/L INT SPRING ST + RUTGERS AVE	BY 8600
BASELINE (1965)	19.980	LACS TAG IN NO CB SO SER RD 14FT N + 7FT W/O C/L INT SPRING ST SO SER RD + LADOGA AVE	BY 8601
BASELINE (1965)	19.620	L + BR IN SO CB SO SER RD 15FT E/O BCR @ SE COR SPRING ST SO SER RD + LADOGA AVE 14FT S + 58FT E/O C/L INT	BY 8602
BASELINE (1965)	20.907	L + T IN SO CB 2FT W/O BCR @ SW COR SPRING ST + STUDEBAKER RD 38FT S + 80FT W/O C/L INT	BY 8603
BASELINE (1965)	23.405	L B CITY ENG MON IN WELL 15IN DN ON C/L SPRING ST @ ENT TO L B CITY PARK DEPT TREE FARM 7600 E SPRING ST USE NO EDGE @ C	BY 8604
BASELINE (1965)	24.755	RDBM TAG IN E CB DRWY TO PARK 9FT N/O END CB 57 FT N + 16FT E/O C/L INT SPRING ST + ENT TO L B C TREE FARM	BY 8605
BASELINE (1965)	50.042	LACS MON FL IN SO CB BR #53-1723 3FT E/O W ABUT @ SPRING ST + #605 FRWY OVERCROSSING MKD BM 8-28A 1965	BY 8606
BASELINE (1965)	24.215	L + N IN NO CB 8FT W/O BCR @ NW COR SPRING ST + CLAREMORE AVE 40FT N + 53FT W/O C/L INT	BY 8607

