

COUNTY OF LOS ANGELES
ROAD DEPARTMENT

PRECISE
BENCH MARK LIST



TORRANCE QUAD
1970 ADJUSTMENT

P R E F A C E

The Road Department level net is composed of more than 1,500 miles of levels supporting in excess of 18,000 bench marks. In 1975, a major readjustment of the net was undertaken. To emphasize the complete break with previous elevations, the BY,BG & BL series bench marks have been relabeled CY,CG & CL, respectively.

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 adjustment of the elevation must be included in the bench mark description, e.g.,

CG 6234 --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 --1975) ELEV. 696.238

Experience indicates that this general adjustment will, for the most part, remain sound for the next 10 years. Updating constrained adjustments will be made in 5 years. It is expected that these updating adjustments will be in the nature of a few hundredths of a foot. When a quad is readjusted, new elevation lists will be published and the date of the readjustment will replace the "1975" at the end of 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 0.012 foot per mile of leveling as determined from over 600 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.

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

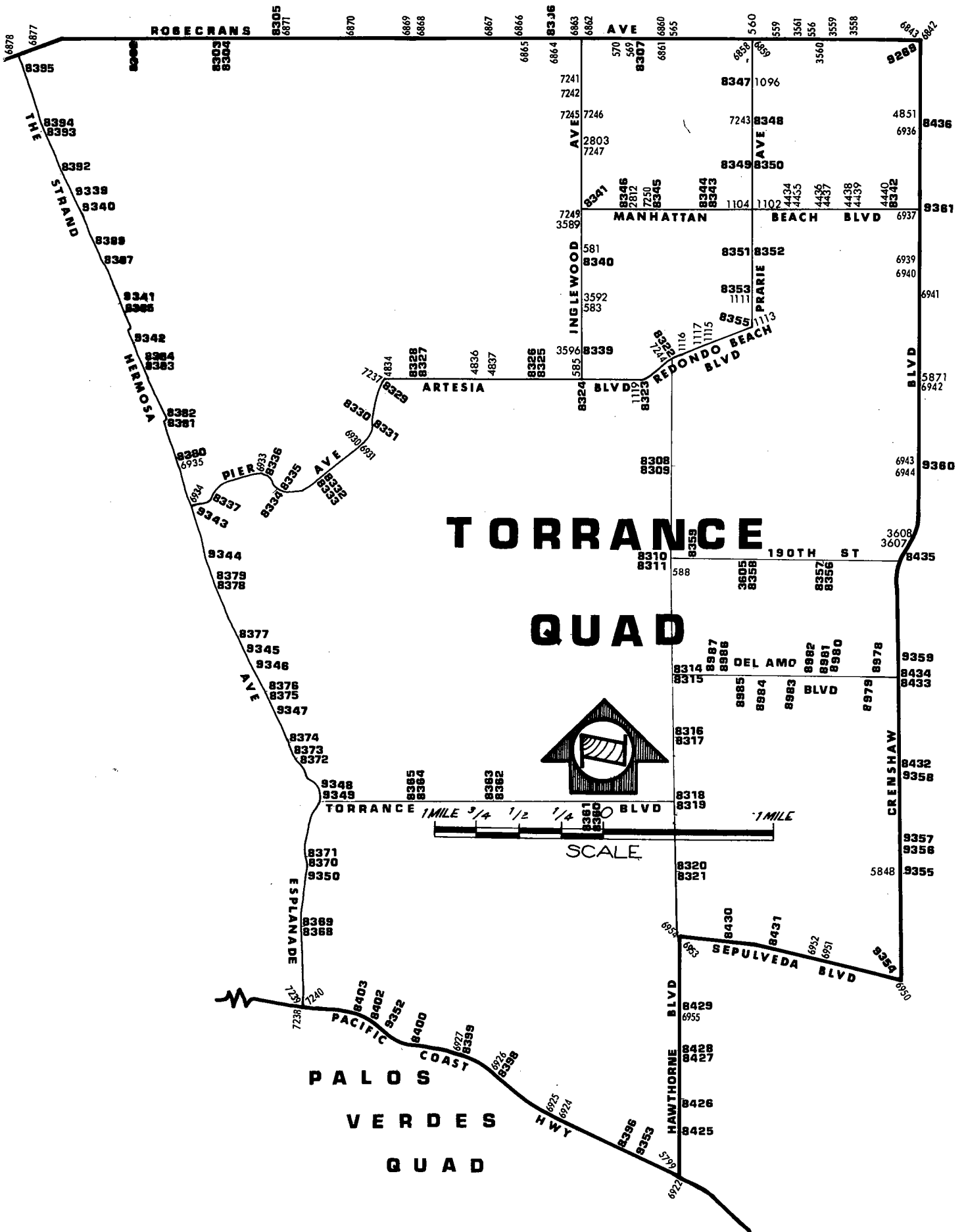
ABBREVIATIONS USED IN BENCH MARK LISTINGS

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

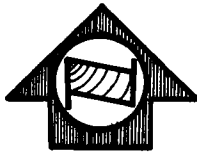
ABBREVIATIONS USED IN BENCH MARK LISTINGS . . . CONTINUED

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

HAWTHORNE QUAD



TORRANCE QUAD



QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
BASELINE (1965)	51.281	RDBM TAG W CB 1FT± N FUTURE BCR @ NW COR ROSECRANS AVE + KORNBLUM AVE 60FT± N + 18FT± W	BY 556
BASELINE (1965)	53.928	RDBM TAG E CB 1FT± N FUTURE BCR @ NE COR ROSECRANS AVE + CORDARY AVE 71FT± N + 18FT± E	BY 559A
BASELINE (1965)	53.411	BR CAP C/L INT @ ROSECRANS AVE + PRAIRIE AVE TRI STA MKD (INGLEWOOD G-12-B)	BY 560A
BASELINE (1965)	61.897	CS MON @ C/L INT HAWTHORNE BLVD (E) + ROSECRANS AVE	BY 565A
BASELINE (1965)	72.714	CS CAD MON 4FT± W C/L MANSEL AVE 2FT± S C/L ROSECRANS AVE SUR CONT STA INGLEWOOD MKD (F-12-A)	BY 569
BASELINE (1965)	70.358	L+T CONC PVMT 9FT± S C/L ROSECRANS AVE 10FT± W RAMONA AVE	BY 570
TORRANCE (1970)	67.645	CS MON @ C/L INT 162ND ST + INGLEWOOD AVE	BY 581
TORRANCE (1970)	88.242	L + T IN W CB @ BCR NW COR INGLEWOOD AVE + ROBINSON ST 19FT W + 60FT N C/L INT TO W	BY 583
TORRANCE (1970)	118.125	L + BR NR CTR CB RET @ NW COR ARTESIA BLVD + INGLEWOOD AVE 26FT W + 45FT N C/L INT TO NORTH	BY 585
TORRANCE (1970)	84.724	L+T @ BC OF C/L 190TH ST 150FT E C/L HAWTHORNE AVE	BY 588
TORRANCE (1970)	53.735	L+T 32FT± S BCR W CB SERVICE RD ISLAND @ SE COR PRAIRIE AVE + 147TH ST 67FT± S + 38FT± E C/L INT	BY 1096
TORRANCE (1970)	48.034	L+SPK 6FT± E BCR SERVICE RD ISLAND @ NE COR PRAIRIE AVE + MANHATTAN BEACH BLVD 75FT± E + 38FT± N C/L INT MKD (KV 39)	BY 1102
TORRANCE (1970)	48.503	L+SPK @ NW COR PRAIRIE AVE + MANHATTAN BEACH BLVD 125FT± N + 38FT± W C/L INT MKD (SKI)	BY 1104
TORRANCE (1970)	50.602	RDBM TAG E CB PRAIRIE AVE 40FT± E C/L + 36FT± S C/L PROD 166TH ST	BY 1111
TORRANCE (1970)	61.750	CS BR CAP 8IN DN C/L INT REDONDO BEACH BLVD + PRAIRIE AVE	BY 1113
TORRANCE (1970)	73.440	L+T E ECR @ NE COR FREEMAN AVE + REDONDO BEACH BLVD 30FT N + 70FT E C/L INT	BY 1115
TORRANCE (1970)	84.831	L+T 2FT± E OF ECR @ NE COR ALLEY + REDONDO BEACH BLVD 200FT± E HAWTHORNE AVE	BY 1116
TORRANCE (1970)	74.098	RDBM TAG 1FT± S BCR @ SE COR REDONDO BEACH BLVD + AMIE ST (FREEMAN AVE N) 67FT± S + 18FT± E C/L INT	BY 1117
TORRANCE (1970)	91.930	RDBM TAG IN S CB 2FT E/O ANG PT IN CB 36FT S + 130FT E/O C/L INT ARTESIA BLVD + KINGSDALE AVE	BY 1119
TORRANCE (1970)	60.611	L+SPK W EDGE CONC WK HSE NO 15222 INGLEWOOD AVE 60FT± E + 55FT± N C/L INT INGLEWOOD AVE + 153RD ST 3FT± N OF END OF WK	BY 2803
TORRANCE (1970)	56.548	CS MON 10IN DN IN WELL @ C/L INT MANSEL AVE + MANHATTAN BEACH BLVD	BY 2812
BASELINE (1965)	49.846	RDBM TAG IN W CB 1FT N/O BCR @ NW CORNER ROSECRANS AVE + CERISE AVE 67FT± N + 18FT± W C/L INT	BY 3558

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
BASELINE (1965)	50.073	CS MON IN WELL 8IN DN + 1FT± W CB IN NW COR ROSECRANS AVE + YUKON AVE 72FT± N + 19FT± W C/L INT	BY 3559
BASELINE (1965)	51.008	L+T 1FT± E BCR @ SE COR KORNBLUM AVE + ROSECRANS AVE	BY 3560A
BASELINE (1965)	52.204	RDBM TAG E CB 1FT N FUTURE BCR @ NE COR ROSECRANS AVE + DOTY AVE 66FT N + 18FT± E C/L INT	BY 3561
TORRANCE (1970)	61.261	CS MON @ C/L INT INGLEWOOD AVE + BELAND BLVD (USE SE EDGE)	BY 3589
TORRANCE (1970)	83.971	S + L IN W CB 38FT S + 19FT W C/L INT INGLEWOOD AVE + 165TH ST	BY 3592
TORRANCE (1970)	100.302	S + L IN W SIDE CONC STEP TO HSE = 4749 @ NE COR INGLEWOOD AVE + 172ND ST 38FT N + 51FT E C/L INT	BY 3596
TORRANCE (1970)	74.165	LACS MON IN WELL 15IN DN @ INT 190TH ST + PRAIRIE AVE	BY 3605
BASELINE (1965)	56.728	CS MON IN WELL 8IN DN @ NW COR 190TH ST + CRENSHAW BLVD 39FT± N + 150FT± W C/L INT MKD (CSBM 22-7A)	BY 3607A
BASELINE (1965)	56.137	L+SPK @ SW COR CRENSHAW BLVD + 189TH ST 60FT S + 14FT± W C/L INT W SERVICE RD MKD (22-7B)	BY 3608
TORRANCE (1970)	45.123	L+BR N CB MANHATTAN BEACH BLVD SERVICE RD 5FT± E BCR @ NW COR DOTY AVE 80FT± N 40FT± W C/L INT MKD (BM)	BY 4434
TORRANCE (1970)	45.037	L + BN @ CTR CB RET @ COR MANHATTEN BEACH BLVD SER RD + DOTY AVE 88FT N + 25FT E C/L INT	BY 4435
TORRANCE (1970)	43.745	L + BN IN CTR CB RET @ NW COR MANHATTEN BEACH BLVD + CRANBROOD AVE SER RD 87FT N + 28FT W C/L INT	BY 4436
TORRANCE (1970)	45.215	RDBM TAG NR S END OF RET WALL 82FT± N C/L MANHATTAN BEACH BLVD + 135FT E C/L CRANBROOD AVE	BY 4437
TORRANCE (1970)	45.232	L+BN S CB MANHATTAN BEACH BLVD 20FT W C/L CERISE AVE PROD + 38FT± S C/L MANHATTAN BEACH BLVD MKD (BM)	BY 4438
TORRANCE (1970)	44.854	L+BN 1FT± W BCR @ NW COR MANHATTAN BEACH BLVD + CERISE AVE 38FT± N + 55FT± W C/L INT MKD (BM)	BY 4439
TORRANCE (1970)	47.047	L+BN NR CTR CB RET @ NE COR MANHATTAN BEACH BLVD + LEMCLI AVE 57FT± N + 27FT± E C/L INT	BY 4440
TORRANCE (1970)	113.819	L+T N CB ARTESIA BLVD 40FT E BCR @ NE COR AVIATION WAY 85FT E + 40FT N C/L INT	BY 4834
TORRANCE (1970)	108.963	L+BR N CB ARTESIA BLVD 5FT± E BCR @ NE COR RINDGE LANE 40FT± N + 30FT± E C/L INT	BY 4836
TORRANCE (1970)	107.980	L+BN N CB ARTESIA BLVD 5FT± W BCR @ NW COR VAIL AVE 40FT± N + 30FT± W C/L INT	BY 4837
BASELINE (1965)	50.603	L+ROUND HD SPK 6FT± N BCR @ NW COR COMPTON BLVD + CRENSHAW BLVD 60FT± N + 38FT± W C/L INT MKD (W7)	BY 4851

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
BASELINE (1965)	94.885	CS MON IN WELL 18IN DN @ C/L INT PACIFIC COAST HWY + HAWTHORNE BLVD MKD (TORRANCE K-12 1942)	BY 5799
BASELINE (1965)	85.860	BT SPK W CB 8FT± S BCR @ SW COR CARSON ST + CRENSHAW BLVD 40FT± W + 64FT±S C/L INT	BY 5848A
BASELINE (1965)	53.674	LA CITY TRIANGULATION MON IN WELL 6IN DN @ C/L INT ARTESIA BLVD + CRENSHAW BLVD	BY 5871
BASELINE (1965)	50.080	CS MON FL IN F C WALL 6FT N CB E SIDE CHANNEL 145FT N + 191FT E C/L INT ROSECRANS AVE + CRENSHAW BLVD MKD (21 11 A 1964 RE 5869)	BY 6842A
BASELINE (1965)	49.799	L+BN E CB 1FT N BCR @ NE COR CRENSHAW BL + ROSECRANS AVE 38FT E + 76FT N C/L INT MKD (BM)	BY 6843
BASELINE (1965)	53.911	CS MON IN WELL 8IN DN @ SE COR ROSECRANS AVE + PRARIE AVE 58FT S + 57FT E C/L INT	BY 6858
BASELINE (1965)	54.536	CS MON IN WELL 8IN DN @ SW COR ROSECRANS AVE + PRARIE AVE 50FT S + 63FT W C/L INT	BY 6859
BASELINE (1965)	63.517	CS MON IN WELL 10IN DN 46FT N C/L ROSECRANS AVE +56FT W C/L HAWTHORNE BLVD E LANE MKD (INGLEWOOD F-12 RM NO 3)	BY 6860
BASELINE (1965)	63.606	CS MON IN WELL 10IN DN 41FT S C/L ROSECRANS AVE + 69FT W HAWTHORNE BLVD E LANE MKD (INGLEWOOD F-12 RM NO 4)	BY 6861
BASELINE (1965)	70.817	L+BN E CB 6FT N BCR @ NE COR ROSECRANS AVE + INGLEWOOD AVE 80FT N + 40FT E C/L INT PAINTED (21-17C)	BY 6862
BASELINE (1965)	69.718	CS MON 10IN DN @ NW COR ROSECRANS AVE + INGLEWOOD AVE 100FT N + 32FT W C/L INT MKD (BM 21-17A)	BY 6863
BASELINE (1965)	71.912	RD MON IN WELL 8IN DN @ C/L INT ROSECRANS AVE + SHOUP AVE MKD (RD 1956)	BY 6864
BASELINE (1965)	73.662	RD MON IN WELL 8IN DN @ C/L INT ROSECRANS AVE + OCEAN GATE AVE MKD (RD 1956)	BY 6865
BASELINE (1965)	73.459	L+T S CB 12FT E BCR @ SW COR ROSECRANS AVE + OCEAN GATE AVE 42FT S + 50FT W C/L INT	BY 6866
BASELINE (1965)	81.996	RD MON IN WELL 9IN DN @ C/L INT ROSECRANS AVE + HINDRY AVE MKD (RD 1959)	BY 6867
BASELINE (1965)	76.862	RD TAG S CB 1FT E BCR @ SW COR ROSECRANS AVE + AVIATION BLVD 40FT S + 74FT W C/L INT	BY 6868
BASELINE (1965)	77.729	CS MON VERTICALLY IN NLY ABUT RR BR OVER ROSECRANS AVE + AVIATION BLVD 46FT NLY + 64FT WLY C/L INT MKD (BM 21-19A 1964)	BY 6869
BASELINE (1965)	111.268	CS MON IN WELL 8IN DN 0.5MI W AVIATION BLVD 11FT N C/L ROSECRANS AVE OPP GATE 43 STANDARD OIL MKD (ING B-12)	BY 6870
BASELINE (1965)	114.443	CS MON IN CONC 18IN BELOW TRACKS 67FT E C/L SANTA FE RR + 50FT N C/L ROSECRANS AVE MKD (ING A 12 A RM 3)	BY 6871
BASELINE (1965)	27.440	USC+GS MON IN SECOND STEP LEADING TO BEACH @ FOOT OF ROSECRANS AVE MKD (Y 614 1941)	BY 6877
BASELINE (1965)	23.723	USC+GS MON IN NEXT TO TOP STEP OF STEPS LEADING TO BEACH @ 43RD ST + THE STRAND MKD (V 767 1945)	BY 6878

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
BASELINE (1965)	97.523	L+BN E CB HAWTHORNE BLVD 2FT S BCR @ SE COR PACIFIC COAST HWY 40FT E + 58FT S C/L INT	BY 6922
BASELINE (1965)	78.030	LACS MON FL IN SE COR CONC CULV 42FT N + 130FT E C/L INT PACIFIC COAST HWY + E DR TO SOUTH HIGH SCHOOL MKD BM-21-56A-1960	BY 6924
BASELINE (1965)	87.601	USC+GS MON N COLUMN OF PED OVERHD WK FOR PACIFIC COAST HWY 4FT UP 0.8MI W HAWTHORNE BLVD 115FT W OF E DR OF HIGH SCHOOL MKD (1053 1969)	BY 6925
BASELINE (1965)	96.559	S + L IN NW COR OF C B IN S CB 43FT S + 170FT E C/L INT PACIFIC COAST HWY + CALLE MAYOR MKD BM-21-55A	BY 6926
BASELINE (1965)	129.951	USC+GS MON FL IN W END CONC CULV @ S SIDE PACIFI COAST HWY + 0.1MI E/O PASEO DE GRACIA ACROSS FROM MCCORMICK MORTUARY MKD X-1053-1960	BY 6927
TORRANCE (1970)	135.082	L + BN IN E CB 1FT N BCR @ NE COR AVIATION BLVD + FORD AVE 32FT N + 30FT E C/L INT TO E STPD BM	BY 6930
TORRANCE (1970)	131.523	L+BN NLY CB 1FT ELY BCR @ NLY COR HARRIMAN LANE + FORD AVE 15FT NLY + 75FT E C/L INT TO E MKD BM	BY 6931
TORRANCE (1970)	52.469	L+BR CONC WL OF POST OFFICE 12FT NLY OF CB @ NW COR PIER AVE + VALLEY DR 40FT WLY + 50FT NLY C/L INT MKD (BM B-2)	BY 6933
TORRANCE (1970)	15.368	USC+GS MON VERT IN WL @ SW COR HERMOSA AVE + 13TH ST 50FT WLY + 30FT S C/L INT MKD T 50 1926	BY 6934
TORRANCE (1970)	12.999	CS MON 12IN DN @ C/L INT THE STRAND + 19TH ST MKD (TORRANCE D-4)	BY 6935
BASELINE (1965)	49.459	CS MON 13IN DN SW COR CRENSHAW BLVD + COMPTON BLVD 192FT S + 40FT W C/L INT MKD (BM 22-1A 19KO)	BY 6936
BASELINE (1965)	47.246	FLAT SPK S CB 7FT W BCR @ SW COR CRENSHAW BLVD + MANHATTAN BEACH BLVD 40FT S + 85FT W C/L INT	BY 6937A
BASELINE (1965)	42.786	RDBM TAG NLY CB 13FT WLY BCR @ NWLY COR CRENSHAW BLVD + REDONDO BEACH BLVD 40FT NLY + 70FT WLY C/L INT	BY 6939A
BASELINE (1965)	41.933	L+BN WLY CB 1FT NLY BCR @ SWLY COR CRENSHAW BLVD + REDONDO BEACH BLVD 70FT SLY + 40FT WLY C/L INT MKD (BM)	BY 6940
BASELINE (1965)	38.891	CS MON IN WELL NE COR 166TH ST + ATKINSON AVE 17FT N + 30FT E C/L INT MKD (BM22-3A 1960)	BY 6941A
BASELINE (1965)	55.205	L+BN W CB 1FT N BCR @ SW COR CRENSHAW BLVD + ARTESIA BLVD 65FT S + 40FT W C/L INT MKD (BM)	BY 6942
BASELINE (1965)	63.389	L+BRAD S CB 3FT W BCR @ SW COR CRENSHAW BLVD + 181ST ST 18FT S + 72FT W C/L INT	BY 6943
BASELINE (1965)	60.262	CS MON 8IN DN SW COR CRENSHAW BLVD + 182ND ST 90FT S + 20FT W C/L INT MKD (BM 22-6 1952)	BY 6944A
BASELINE (1965)	77.754	RD MON IN WELL @ PI OF CRENSHAW BLVD 216FT S C/L SEPULVEDA BLVD MKD (LA CO RD DPT 1954)	BY 6950
BASELINE (1965)	84.624	CS MON 10IN DN 40FT S C/L SEPULVEDA BLVD 0.4MI W CRENSHAW BLVD NR W END OIL PROP MKD (BM 22-12A 1960)	BY 6951

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
BASELINE (1965)	82.923	CS MON 8IN DN ON C/L SEPULVEDA BLVD + 0.5MI W CRENSHAW BLVD (BM 22-12 1952)	BY 6952
BASELINE (1965)	79.748	LACS MON IN WELL 17IN DN ON C/L SEPULVEDA BLVD 7FT E/O HAWTHORNE BLVD PROD FROM S MKD TORRANCE K-9 1942	BY 6953
BASELINE (1965)	80.718	CS MON IN WELL @ C/L INT SEPULVEDA BLVD + HAWTHORNE AVE TO N MKD (TORRANCE J-9 1942)	BY 6954
BASELINE (1965)	78.362	CS MON 9IN DN 6FT E C/L HAWTHORNE AVE + 125FT N C/L 230TH ST MKD (BM 22-15A 1960)	BY 6955
TORRANCE (1970)	101.941	L+BN N CB 36FT E OF BCR @ NE COR ARTESIA BLVD + AVIATION BLVD 40FT N + 90FT E C/L INT MKD (BM)	BY 7237
BASELINE (1965)	47.184	CS MON IN WELL @ SELY COR ESPLANADE + AVE I 120FT SLY + 18FT ELY C/L INT MKD (TORRANCE F 10)	BY 7238
BASELINE (1965)	48.185	CS MON IN WELL @ C/L INT AVE I + ESPLANADE	BY 7239
BASELINE (1965)	49.296	CS MON FL @ NE COR ESPLANADE + AVE I 59FT NLY + 40FT ELY C/L INT MKD (D 768 1945)	BY 7240
TORRANCE (1970)	64.445	SPK+L N CB 4FT E BCR @ NE COR INGLEWOOD AVE + 147TH ST 15FT N + 60FT E C/L INT MKD (SD 3270)	BY 7241
TORRANCE (1970)	63.378	RD MON 8IN DN @ C/L INT INGLEWOOD AVE + 147TH ST MKD (RD 1959)	BY 7242
TORRANCE (1970)	51.248	RDBM TAG N CB 1FT W BCR @ NW COR PRAIRIE AVE + COMPTON BLVD 75FT W + 32FT N C/L INT	BY 7243
TORRANCE (1970)	92.401	RAMSET E CB 1FT S BCR @ SE COR REDONDO BEACH BLVD + HAWTHORNE BLVD 20FT S + 70FT E C/L INT MKD (TOR 259)	BY 7244
TORRANCE (1970)	60.780	L+BN W CB 57FT N BCR @ NW COR INGLEWOOD AVE + COMPTON BLVD 116FT N + 30FT W C/L INT MKD (BM)	BY 7245
TORRANCE (1970)	60.922	L+BN W CB 1FT S BCR @ SW COR INGLEWOOD AVE + COMPTON BLVD 60FT S + 32FT W C/L INT MKD (BM)	BY 7246
TORRANCE (1970)	57.398	L+SPK N CB 18FT E BCR @ NE COR INGLEWOOD AVE + 153RD PL 15FT N + 78FT E C/L INT MKD (SD 3011)	BY 7247
TORRANCE (1970)	59.971	L+BN S CB 4FT E BCR @ SW COR INGLEWOOD AVE + MANHATTAN BEACH BLVD 53FT S + 49FT W C/L INT CB PAINTED (BM U)	BY 7249
TORRANCE (1970)	54.750	L+BN W CB 15FT S BCR @ SW COR MANHATTAN BEACH BLVD + HAWTHORNE 92FT S + 80FT W C/L INT	BY 7250
BASELINE (1965)	114.453	CS MON IN WELL 2FT N CB FACE 44FT N C/L ROSECRANS AVE + 6FT W C/L FLOURNOY RD MKD BM 21-23A 1970	BY 8302
BASELINE (1965)	162.564	CS MON IN WELL 8IN DN 44FT N C/L ROSECRANS AVE + 61FT W C/L OAK AVE MKD BM 21-22B 1970	BY 8303
BASELINE (1965)	163.640	L + BRAD ON C/L OAK AVE + 4FT S C/L ROSECRANS AVE	BY 8304
BASELINE (1965)	116.567	CS MON IN WELL 8IN DN 44FT N C/L ROSECRANS AVE + 30FT W SANTA FE TRACK MKD BM 21-21D 1970	BY 8305
BASELINE (1965)	72.100	L + BRAD S CB ROSECRANS AVE 55FT S C/L + 5FT W C/L SHOUP AVE PROD	BY 8306

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
BASELINE (1965)	72.871	CS MON IN WELL 8IN DN @ SW COR ROSECRANS AVE + MANSEL AVE 60FT S + 14FT W C/L INT MKD BM 21-16A	BY 8307
TORRANCE (1970)	92.030	RDBM IN CONC CB PLANTER @ NW COR HAWTHORNE BLVD + 182ND ST 48FT N + 65FT W C/L INT	BY 8308
TORRANCE (1970)	89.257	RDBM TAG IN S CB 2FT E ECR @ SW COR HAWTHORNE BLVD + 182ND ST 47FT S + 77FT W C/L INT	BY 8309
TORRANCE (1970)	90.322	RDBM TAG IN ELY CB 2FT SLY BCR @ SE COR HAWTHORNE BLVD + BUTLER DR 50FT S + 83FT ELY C/L INT	BY 8310
TORRANCE (1970)	88.903	L + T IN SLY CB @ S ELY COR HAWTHORNE BLVD + 190TH ST 79FT S + 73FT E C/L INT APPROX.	BY 8311
TORRANCE (1970)	99.805	RDBM TAG IN N CB 17FT W ECR @ NE COR HAWTHORNE BLVD + DEL AMO BLVD 41FT N + 72FT E C/L INT	BY 8314
TORRANCE (1970)	101.360	RDBM TAG IN E CB 9FT S BCR @ SE COR HAWTHORNE BLVD + DEL AMO BLVD 55FT E + 85FT S C/L INT	BY 8315
TORRANCE (1970)	101.810	RDBM TAG IN E CB 1FT S BCR @ NE COR HAWTHORNE BLVD + GARNET ST 55FT E + 52FT N C/L INT	BY 8316
TORRANCE (1970)	102.071	CALIF DIV HWYS MON IN WELL 8IN DN ON C/L HAWTHORNE BLVD + 62FT S C/L GARNET ST	BY 8317
TORRANCE (1970)	107.283	LACS MON IN WELL 8IN DN 42FT N + 160FT E C/L INT HAWTHORNE BLVD + TORRANCE BLVD 3FT NO CB MKD 55-3-5	BY 8318
TORRANCE (1970)	106.403	RDBM TAG IN E CB 2FT S BCR @ SE COR HAWTHORNE BLVD + TORRANCE BLVD 55FT E + 81FT S C/L INT	BY 8319
TORRANCE (1970)	80.250	RDBM TAG IN N CB 10FT W ECR @ NE COR HAWTHORNE BLVD + CARSON ST 38FT N + 78FT E C/L INT	BY 8320
TORRANCE (1970)	80.119	RAMSET IN THE E CB 1FT S BCR @ SE COR HAWTHORNE BLVD + CARSON ST 62FT E + 78FT S C/L INT	BY 8321
TORRANCE (1970)	94.273	L + BN IN N CB 1FT W BCR @ NW COR HAWTHORNE BLVD + REDONDO BEACH BLVD 12FT S + 91FT W C/L INT STPD BM	BY 8322
TORRANCE (1970)	91.734	L + BR IN NO CB 42FT N + 72FT E/O C/L INT ARTESIA BLVD + KINGSDALE AVE	BY 8323
TORRANCE (1970)	118.101	L + T NR CTR CB RET @ SE COR ARTESIA BLVD + INGLEWOOD AVE 46FT S + 50FT E C/L INT	BY 8324
TORRANCE (1970)	96.436	L + BR IN N CB 5FT E BCR @ NE COR ARTESIA BLVD + PHELON LN 40FT N + 30FT E C/L INT	BY 8325
TORRANCE (1970)	96.630	RDBM TAG IN W CB 1FT NO ECR @ NW COR ARTESIA BLVD + PHELAN LN 51FT N + 15FT W C/L INT	BY 8326
TORRANCE (1970)	126.594	RAMSET NR CTR CB RET @ NE COR ARTESIA BLVD + GREEN LN 43FT N + 19FT E C/L INT	BY 8327
TORRANCE (1970)	126.640	RAMSET NR CTR CB RET @ SW COR ARTESIA BLVD + GREEN LN 44FT S + 18FT W C/L INT	BY 8328
TORRANCE (1970)	99.023	RDBM TAG IN E CB 3FT S BCR @ SE COR ARTESIA BLVD + AVIATION BLVD 57FT S + 35FT E/O C/L INT	BY 8329
TORRANCE (1970)	126.558	L + T NR CTR CB RET @ NW COR AVIATION BLVD + ORMOND LN 19FT N + 38FT W C/L INT	BY 8330

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
TORRANCE (1970)	129.439	L + T IN W CB 6FT S BCR @ SW COR OF AVIATION BLVD + ORMOND LN 32FT W + 58FT S C/L INT	BY 8331
TORRANCE (1970)	165.024	RDBM TAG IN NLY CB 5FT ELY BCR @ NELY COR OF PIER BLVD + PROSPECT AVE 8FT N + 52FT ELY C/L INT	BY 8332
TORRANCE (1970)	161.814	RDBM TAG IN CB RET @ SELY COR PIER BLVD + PROSPECT AVE 43FT E C/L + 66FT S C/L	BY 8333
TORRANCE (1970)	95.857	L + BN IN E CB 1FT S BCR @ SE COR PACIFIC COAST HWY + OLD PIER AVE 32FT E + 121FT S APPROX C/L INT	BY 8334
TORRANCE (1970)	94.349	L + BN NR CTR CB RET @ SW COR PACIFIC COAST HWY + 11TH PL 46FT W + 27FT S C/L INT	BY 8335
TORRANCE (1970)	52.393	RDBM TAG IN E CB 1FT N BCR @ NE COR PIER AVE + BARD ST 52FT N + 24FT E OF C/L INT	BY 8336
TORRANCE (1970)	13.628	RDBM TAG IN N CB 0.5 E BCR @ NE COR PIER AVE + HERMOSA AVE 40FT N + 50FT E C/L INT	BY 8337
TORRANCE (1970)	104.143	RDBM TAG IN S CB 15FT W CB END @ SW COR INGLEWOOD AVE + NELSON AVE 14FT S + 37FT W/O C/L INT	BY 8339
TORRANCE (1970)	68.897	RDBM TAG IN S CB 25FT E BCR @ SE COR INGLEWOOD AVE + 162ND ST 62FT E + 16FT S C/L INT	BY 8340
TORRANCE (1970)	59.616	RDBM TAG IN W CB 1FT S BCR @ NW COR INGLEWOOD AVE + MANHATTAN BEACH BLVD 32FT W + 76FT N C/L INT	BY 8341
TORRANCE (1970)	47.718	L + T IN N CB ISL COLLEGE SERVICE RD 60FT S + 50FT E C/L INT MANHATTAN BEACH BLVD + LEMOLI AVE	BY 8342
TORRANCE (1970)	50.442	L + BR NR CTR CB RET @ NE COR MANHATTAN BEACH BL SER RD + EASTWOOD AVE 88FT N + 20FT E C/L INT	BY 8343
TORRANCE (1970)	50.752	L + BR IN S CB SER RD MANHATTAN BEACH BL + EASTWOOD AVE 51FT N C/L + ON C/L PROD EASTWOOD AVE	BY 8344
TORRANCE (1970)	54.252	L + BN NR CTR CB RET @ NE COR MANHATTAN BEACH BLVD + HAWTHORNE BLVD 92FT E + 45FT N C/L INT	BY 8345
TORRANCE (1970)	57.122	RAMSET IN N CB 15FT W BCR @ NW COR MANHATTAN BEACH BL + MANSEL AVE 42FT N + 55FT W C/L INT	BY 8346
TORRANCE (1970)	54.524	RDBM TAG IN N CB 1FT W ECR @ NW COR PRAIRIE AVE + 147TH ST 30FT N + 66FT W C/L INT	BY 8347
TORRANCE (1970)	51.282	L + BN IN W CB 8FT N BCR @ SW COR PRAIRIE AVE + COMPTON BLVD 41FT W + 61FT S C/L INT	BY 8348
TORRANCE (1970)	50.012	RDBM TAG IN W CB 2FT N BCR @ NW COR PRAIRIE AVE + 154TH ST 45FT N + 40FT W C/L INT	BY 8349
TORRANCE (1970)	49.810	S + L IN CTR ISL RET @ SE COR PRAIRIE AVE + 154TH ST 32FT S + 47FT E C/L INT	BY 8350
TORRANCE (1970)	47.760	L + T IN E CB 40FT E C/L PRAIRIE AVE ON C/L PROD 162ND ST	BY 8351
TORRANCE (1970)	47.749	RDBM TAG IN N CB 28FT W ECR @ NW COR PRAIRIE AVE + 162ND ST 18FT N + 93FT W C/L INT	BY 8352

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
TORRANCE (1970)	49.830	L + T W CB 3FT S BCR @ NW COR PRAIRIE AVE + 166TH ST 43FT N + 40FT W C/L INT	BY 8353
TORRANCE (1970)	62.840	L + BN 1FT W BCR @ NW COR REDONDO BEACH BLVD + PRAIRIE AVE 23FT N + 59FT W C/L INT	BY 8355
TORRANCE (1970)	68.806	RDBM TAG IN N CB 3FT E/O BCR @ NE COR 190TH ST + KORNBLUM AVE 38FT N + 56FT E/O C/L INT	BY 8356
TORRANCE (1970)	69.137	RDBM TAG IN N CB 6FT W BCR @ NW COR 190TH ST + KORNBLUM AVE 38FT N + 59FT W C/L INT	BY 8357
TORRANCE (1970)	75.400	RDBM TAG IN N CB 5FT W BCR @ NE COR 190TH ST + PRAIRIE AVE 39FT N + 74FT E/O C/L INT	BY 8358
TORRANCE (1970)	77.376	RDBM TAG IN CONC BASE SW LEG SCE CO TRANS TOWER 3/1 2ND TOWER E 130FT N C/L 190TH ST + 250FT ELY BLDG =4300 190TH ST	BY 8359
TORRANCE (1970)	106.895	RDBM TAG IN E CB 2FT S/O ECR @ NE COR TORRANCE BLVD + ANZA AVE 72FT N + 38FT E C/L INT	BY 8360
TORRANCE (1970)	109.403	L + BR IN N CB 1FT E BCR @ NW COR TORRANCE BLVD + ANZA AVE 38FT N + 73FT W C/L INT	BY 8361
TORRANCE (1970)	107.906	RDBM TAG IN N CB 11FT W BCR @ NE COR TORRANCE BLVD + HENRIETTA AVE 40FT N + 46FT E C/L INT	BY 8362
TORRANCE (1970)	110.835	RDBM TAG IN S CB 4FT E/O BCR TO ENT OF BISHOP MONTGOMERY H S 38FT S + 35FT E/O C/L INT @ TORRANCE BLVD	BY 8363
TORRANCE (1970)	119.401	L + T IN S CB 2FT E BCR @ SE COR TORRANCE BLVD + JUANITA AVE 25FT S + 15FT E C/L INT	BY 8364
TORRANCE (1970)	119.119	L + T IN W CB 15FT N ECR @ NW COR TORRANCE BLVD + JUANITA AVE 41FT N + 01FT W C/L INT	BY 8365
TORRANCE (1970)	68.693	USC+GS MON FL IN E CB 3FT S/O BCR @ SE COR ESPLANADE + AVE A 38FT S + 30FT E C/L INT MKD REDONDO 1927	BY 8368
TORRANCE (1970)	69.403	USC+GS MON FL 41FT W + 11FT N C/L INT ESPLANADE + AVE A MKD REDONDO 1927	BY 8369
TORRANCE (1970)	54.180	RDBM TAG IN E CB 26FT S BCR @ SE COR ESPLANADE + SAPPHIRE ST 54FT S + 26FT E C/L INT	BY 8370
TORRANCE (1970)	57.669	RDBM TAG IN CB 4FT E ECR @ NE COR ESPLANADE + SAPPHIRE ST 20FT N + 37FT E C/L INT	BY 8371
TORRANCE (1970)	19.530	RDBM TAG IN E CB WK 33FT W C/L PACIFIC AVE NR C/L PROD DIAMOND ST	BY 8372
TORRANCE (1970)	19.638	BR MON IN WK IN FRONT B OF A BLDG 43FT N BCR @ NE COR PACIFIC AVE + DIAMOND ST 83FT N + 33FT E C/L INT MKD BM H-6	BY 8373
TORRANCE (1970)	17.357	CS MON IN WELL 12IN DN 15FT S + 11FT W BCR E CB HARBOR DR 400FT + NLY C/L DIAMOND ST 18FT ELY C/L HARBOR DR MKD TOR F-7 1939	BY 8374
TORRANCE (1970)	8.322	CS MON IN WELL 12IN DN 16FT W + 209FT S C/L INT HARBOR DR + MARINA WAY	BY 8375
TORRANCE (1970)	9.673	RDBM TAG IN E CB 54FT S + 29FT E C/L INT HARBOR DR + MARINA WAY	BY 8376

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
TORRANCE (1970)	13.371	CS MON IN WELL 8IN DN ON C/L THE STRAND + 15FT NO C/L WALK LYNDON ST MKD TOR E-6A	BY 8377
TORRANCE (1970)	12.435	RDBM TAG IN S CB 7FT W ECR @ SW COR HERMOSA AVE + 2ND ST 20FT S + 54FT W C/L INT	BY 8378
TORRANCE (1970)	12.448	L + FC TAG IN E CB 4FT N BCR @ NW COR HERMOSA AVE + 2ND ST 44FT E + 29FT N C/L INT	BY 8379
TORRANCE (1970)	12.904	L + T IN CONC SLAB @ SW COR BEACH DR + 19TH ST 14FT W + 8FT S C/L INT STPD BM	BY 8380
TORRANCE (1970)	23.315	USC+GS MON FL IN 1ST STEP OF WK @ SE COR HERMOSA AVE + 25TH ST 36FT S + 48FT E C/L INT MKD Z-769	BY 8381
TORRANCE (1970)	22.804	RDBM TAG IN W CB 31FT N + 43FT W C/L INT HERMOSA AVE + 25TH ST WALK	BY 8382
TORRANCE (1970)	27.391	RDBM TAG IN TOP CONC CB 32FT W + 17FT S C/L INT HERMOSA AVE + 30TH ST	BY 8383
TORRANCE (1970)	28.149	RDBM TAG IN E CB 4FT N BCR @ NE COR HERMOSA AVE + 30TH ST 32FT E + 24FT N C/L INT	BY 8384
TORRANCE (1970)	35.336	RDBM TAG IN E CB 12FT E + 6FT S C/L INT OCEAN DR + 6TH ST WALK	BY 8385
TORRANCE (1970)	23.880	USC+GS MON IN WELL 15IN DN 99FT S + 9FT W 2FT W/O WALL C/L INT THE STRAND + MANHATTAN BEACH BLVD MKD S-50 1925	BY 8387
TORRANCE (1970)	21.950	CS MON IN WELL 8IN DN 32FT W + 4FT S C/L INT THE STRAND + MANHATTAN BEACH BLVD MKD TOR C-2 1939	BY 8389
TORRANCE (1970)	34.873	USC+GS MON FL IN 1ST STEP STAIR TO BEACH 7FT W C/L THE STRAND + NR C/L PROD MARINE AVE MKD J 1052 1960	BY 8392
TORRANCE (1970)	32.358	BT SPK IN L IN W CB 7FT W + 57FT S C/L INT THE STRAND + 28TH ST	BY 8393
TORRANCE (1970)	32.464	RDBM TAG IN N CB 15.5FT E + 10FT N C/L INT THE STRAND + 28TH ST	BY 8394
TORRANCE (1970)	42.224	RDBM TAG IN SW COR CONC WK 21FT N + 7.5FT E C/L INT THE STRAND + ROSECRANS AVE	BY 8395
BASELINE (1965)	75.992	RDBM TAG IN E CB 3FT N ECR @ NE COR PACIFIC COAST HWY + ANZA AVE 16FT E + 60FT N C/L INT	BY 8396
BASELINE (1965)	103.790	RDBM TAG IN E CB 3FT S ECR @ NE COR PACIFIC COAST HWY + CALLE MAYOR 67FT N + 40FT E C/L INT	BY 8398
BASELINE (1965)	129.668	RDBM TAG IN N CB IN FRONT STREET LIGHT 37FT N C/L PACIFIC COAST HWY + 0.1 MI E PASEO DE GARCIA IN FRONT MCCORMICK MORTUARY	BY 8399
BASELINE (1965)	109.792	RDBM TAG IN S CB 2FT E BCR @ SE COR PACIFIC COAST HWY + VISTA DEL PARQUE 38FT S + 39FT E C/L INT	BY 8400
BASELINE (1965)	85.160	USC+GS BR DISK FL IN WALK @ SE COR PACIFIC COAST HWY + PALOS VERDES BLVD PKWY 40FT S + 32FT E C/L INT MKD E-768 RESET 1962	BY 8402
BASELINE (1965)	68.088	RAM SET IN W CB 10FT N BCR @ SW COR PACIFIC COAST HWY + AVE I 42FT W C/L AVE I + 69FT S C/L PACIFIC COAST HWY	BY 8403

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BASELINE (1965)	76.563	CS MON 0.3 MI N P C HWY + 21FT E C/L HAWTHORNE BLVD MKD K11 RESET 1961	BY 8425
BASELINE (1965)	77.498	CS MON IN WELL 4FT E C/L HAWTHORNE BLVD + 100FT N C/L SKYPARK DR MKD BM 22-16B 1965	BY 8426
BASELINE (1965)	77.486	L + BRAD 1FT N BCR INTO RET @ SE COR HAWTHORNE BLVD + LOMITA BLVD 130FT S + 55FT E C/L INT	BY 8427
BASELINE (1965)	77.376	RDBM TAG 2FT N BCR @ NE COR HAWTHORNE BLVD + LOMITA BLVD 35FT N + 55FT E C/L INT	BY 8428
BASELINE (1965)	78.259	RAM SET 0.7FT S BCR IN RET @ NE COR HAWTHORNE BLVD + 230TH ST 40FT N + 55FT E C/L INT	BY 8429
BASELINE (1965)	78.646	LACS MON FL IN C B ON SE COR SEPULVEDA BLVD + MADRONA AVE 40 S + 60FT E C/L INT MKD BM 22-12B 1970	BY 8430
BASELINE (1965)	83.021	L + BRAD 1FT E BCR INTO RET @ SW COR SEPULVEDA BLVD + MAPLE AVE 38FT S + 63FT W C/L INT	BY 8431
BASELINE (1965)	76.762	CE BM MON FL IN CONC BOX ON NE COR CRENSHAW BLVD + DOMINGUEZ ST 110FT N + 40FT E C/L INT MKD BM 22-9B 1970	BY 8432
TORRANCE (1965)	68.762	RDBM TAG 8FT S BCR @ SE COR CRENSHAW BLVD + DEL AMO BLVD 95FT S + 40FT E C/L INT	BY 8433
TORRANCE (1965)	68.594	RDBM TAG 2FT N BCR @ NE COR CRENSHAW BLVD + DEL AMO BLVD 73FT N + 40FT E C/L INT	BY 8434
BASELINE (1965)	56.226	BT SPK 25FT N BCR @ NW COR CRENSHAW BLVD + SERVICE RD 14FT W + 100FT N C/L INT	BY 8435
BASELINE (1965)	49.967	CS MON 2IN DN 1.5FT BACK CB @ SW COR CRENSHAW BLVD + COMPTON BLVD 78FT S + 39.5 W C/L INT MKD BM 22-1 1952	BY 8436
TORRANCE (1970)	69.359	RDBM TAG IN CB 42FT S/O C/L DEL AMO BLVD + 789FT W/O C/L CRENSHAW BLVD	BY 8978
TORRANCE (1970)	69.950	RDBM TAG IN MED CB 8FT S/O C/L DEL AMO BLVD + 796FT W/O C/L CRENSHAW BLVD	BY 8979
TORRANCE (1970)	79.344	L+T IN S SIDE OF CONC FTG OF VENT PIPE 186FT S/O + 35FT E/O C/L INT DEL AMO BLVD + ATSF RR	BY 8980
TORRANCE (1970)	78.186	L+T IN CONC FTG OF 6FT CHAIN LINK FENCE @ SW COR MOBIL OIL CO PROPERTY 50FT E/O + 93FT S/O C/L INT DEL AMO BLVD + ATSF RR	BY 8981

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SURVEY SECTION FIELD ENGINEERING DIVISION

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TORRANCE (1970)	105.500	RDBM TAG IN CB 28FT E/O C/L MAPLE AVE + 197FT N/O C/L OREGON COURT	BY 8982
TORRANCE (1970)	105.507	RDBM TAG IN CB 28FT W/O C/L MAPLE AVE + 197FT N/O C/L OREGON COURT	BY 8983
TORRANCE (1970)	91.590	RDBM TAG LFT E BCR @ NE COR DEL AMO BLVD + RD INTO UNION CARBIDE 38FT N C/L + 1020FT E HAWTHORNE BLVD.	BY 8986
TORRANCE (1970)	91.957	RDBM TAG 38FT S C/L DEL AMO BLVD NR C/L PROD RD INTO UNION CARBIDE 960FT E HAWTHORNE BLVD	BY 8987