

**COUNTY OF LOS ANGELES**  
**ROAD DEPARTMENT**

**PRECISE**  
**BENCH MARK LIST**



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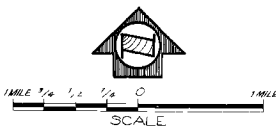
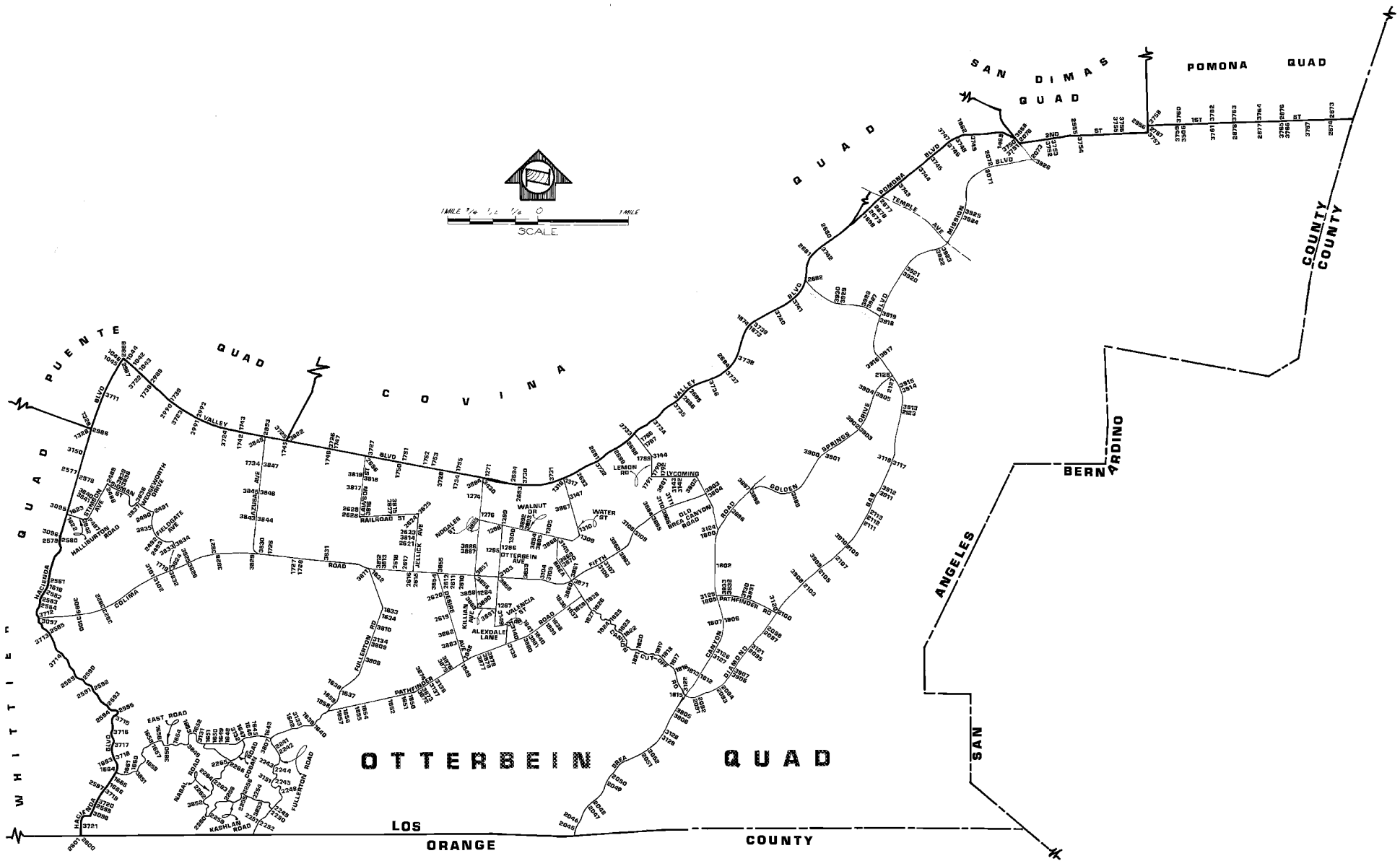
DATUM: U. S. Coast and Geodetic Survey Sea Level Datum  
of 1929, through the medium of the Los Angeles  
County Engineer Precise Level Net, 1963 Adjust-  
ment.

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
EM - - - - -	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



WHITTIER QUAD  
PUENTE QUAD

QUAD

COVINA

QUAD

SAN DIMAS QUAD

POMONA QUAD

SAN BERNARDINO COUNTY

SAN BERNARDINO

ANGELES

SAN

OTTERBEIN QUAD

LOS ANGELES COUNTY

COUNTY

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
BASELINE (1965)	328.637	L+SPK @ CTR CB RET @ NW COR OLD VALLEY BLVD + GLENDDORA AVE MKD (RS)	BG 1042
BASELINE (1965)	328.691	3IN IP + USGS CAP 8IN UP @ PUENTE STA OF SPRR 35FT S C/L OLD VALLEY BLVD + 160FT W C/L GLENDDORA	BG 1043
BASELINE (1965)	324.408	L+T CONC WK 4FT S OF SW COR OF BLDG NO 15703 30F E C/L RIDGEWAY ST + 30FT N C/L OLD VALLEY BLVD	BG 1044
BASELINE (1965)	322.309	RD MON IN WELL 8IN DN @ C/L INT OLD VALLEY BLVD + HACIENDA BLVD	BG 1045
BASELINE (1965)	323.860	CS MON FLUSH 1FT E OF E CB 41FT E C/L HACIENDA BLVD + 10FT S OF S RAIL SPRR MKD (BM 11-114A)	BG 1046
BASELINE (1965)	456.320	R D MON IN WELL 10 IN DN @ C/L INT VALLEY BLVD + NOGALES ST	BG 1271
OTTRBEIN (1970)	440.750	L+BN SE COR CONC BASE OF WATER PUMP 65FT W C/L NOGALES ST + 75FT N C/L SAN JOSE AVE	BG 1274
OTTRBEIN (1970)	446.834	L+BN CTR OF CONC HDWL OF DRAIN 15FT S OF UPRR + 32FT E C/L NOGALES ST	BG 1276
OTTRBEIN (1970)	501.419	L+BN N EDGE CONC DR TO HSE NO 1860 40FT E C/L NOGALES ST + 152FT S ADNEY ST	BG 1284
OTTRBEIN (1970)	527.033	L+BN TOP 24IN STANDPIPE @ NW COR KILLIAN AVE + OTTRBEIN AVE 28FT N + 27FT W C/L INT	BG 1287
OTTRBEIN (1970)	485.820	L+BN W CB OTTRBEIN AVE 10FT W C/L + 10FT N C/L PROD TRANBARGER ST	BG 1295
OTTRBEIN (1970)	487.966	L+BN CONC RET WALL 2FT N OF END 20FT E + 20FT N C/L INT OTTRBEIN AVE + TRANBARGER ST	BG 1296
OTTRBEIN (1970)	462.555	L+T CTR OF 2ND STEP NE COR OF CHURCH BLDG @ SW COR WALNUT DR + OTTRBEIN AVE 42FT W + 40FT S C/L INT	BG 1298
OTTRBEIN (1970)	462.627	L + T NR S END OF FIRST CONC STEP TO PORCH OF HS NO 19201 50FT N + 43FT E C/L INT OTTRBIEN ST + WALNUT DR	BG 1299
OTTRBEIN (1970)	467.305	L+BN CTR OF HDWL OF DRAIN W SIDE OF DR TO HSE NO 15254 WALNUT DR 20FT S C/L	BG 1300
OTTRBEIN (1970)	491.712	L+T S EDGE OF CONC WK TO HSE NO 19565 WALNUT DR 3FT S OF STEP +235FT W BREA CYN CUTOFF RD	BG 1305
OTTRBEIN (1970)	508.580	L+N W END CONC HDWL 18FT S C/L WALNUT DR + 20FT E C/L PROD FAIRWAY DR	BG 1309
OTTRBEIN (1970)	492.776	L+BN W END CONC HDWL OF DRAIN 15FT E C/L FAIRWAY DR + 450FT N C/L WALNUT DR	BG 1310
BASELINE (1965)	487.479	L+BN S SIDE OF CONC BASE OF RR X SIGNAL 12FT S OF S RAIL SPRR + 25FT E C/L FAIRWAY DR	BG 1316
BASELINE (1965)	487.208	L+BN IN CONC BASE OF RR X SIGNAL 15FT N OF N RAIL SPRR + 20FT W C/L FAIRWAY DR + 60FT S C/L VALLEY BLVD MKD (50-57A)	BG 1317A
BASELINE (1965)	332.668	L+T NR CTR CB RET @ SW COR GALE AVE + HACIENDA BLVD 47FT S + 47FT W C/L INT MKD (BM P)	BG 1328
BASELINE (1965)	332.052	RDBM TAG N CB 9FT E BCR @ NW COR HACIENDA BLVD + GALE AVE 36FT N + 70FT W C/L INT	BG 1329

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
BASELINE (1965)	785.441	MWD BR MON FL IN HDWL 8FT N/O N RAIL SPRR 75FT S C/L MT VERNON AVE + 250FT W C/L BELLEVUE AVE	BG 1469
BASELINE (1965)	497.882	CS BRASS MON FLUSH IN CB ON SE COR HACIENDA BLVD + LOS ALTOS DR 53FT S + 80FT E C/L INT MKD (BM 38-9A 1963)	BG 1616
BASELINE (1965)	406.134	RDBM TAG S CB + 1FT W BCR @ SE COR HACIENDA BLVD + HALLIBURTON RD + 40FT S C/L + 84FT E C/L INT	BG 1622
BASELINE (1965)	405.239	RDBM TAG N CB 1FT E BCR @ NE COR HACIENDA BLVD + HALLIBURTON RD 40FT N + 72FT E C/L INT	BG 1623
OTTRBEIN (1970)	499.296	RDBM TAG S END CONC HDWL 40FT N OF DR TO ROWLAND SCHOOL 20FT E C/L FULLERTON RD + 0.5 MI S COLIMA RD	BG 1633
OTTRBEIN (1970)	502.454	CS MON IN WELL 12IN DN @ PI OF CURVE @ S ENT TO ROWLAND SCHOOL 12FT E C/L FULLERTON RD + 0.5 MI S COLIMA RD	BG 1634
OTTRBEIN (1970)	588.770	CS TAG + BRAD IN SW END CONC HDWL 50FT S OF DR TO HSE NO 2804 FULLERTON RD 28FT N C/L + 1.5 MI S COLIMA RD	BG 1637
OTTRBEIN (1970)	589.465	CS MON IN WELL 8IN DN @ PI OF CURVE 65FT FROM CONC HDWL 105FT S OF DR TO HSE NO 2804 FULLERTON RD 9FT N C/L + 1.5 MI S COLIMA RD	BG 1638
OTTRBEIN (1970)	658.915	R D MON 8IN DN ON PI OF CURVE TO SW 12FT W C/L PVMT FULLERTON RD 30FT NW PP 875077E 2.0MI S COLIMA RD	BG 1639
OTTRBEIN (1970)	653.384	RDBM TAG IN S END CONC HDWL 30FT SE C/L 18FT S PP NO 875077E + 2.0 MI S COLIMA RD	BG 1640
OTTRBEIN (1970)	709.065	R D MON 6IN DN ON EC OF CURVE TO SW 36FT S OF ENT OF DR TO HSE 2360 FULLERTON RD 2.2MI S COLIMA RD	BG 1642
OTTRBEIN (1970)	870.542	RD MON IN WELL 8IN DN 60FT N C/L PROD EAST RD 35FT NW C/L FULLERTON RD + 15FT E C/L SKYLINE DR	BG 1643
OTTRBEIN (1970)	829.918	L+T CONC DR TO HSE NO 1505 EAST RD 27FT N C/L + 0.2 MI W FULLERTON RD @ SE COR GARAGE	BG 1645
OTTRBEIN (1970)	817.807	CHIS X ON FIRE HYD 4FT UP 25FT N C/L EAST RD 9FT W OF DR TO HSE NO 1485 + 0.25 MI W FULLERTON RD	BG 1646
OTTRBEIN (1970)	779.048	L+T CONC FOUNDATION OF W BRICK GATE POST @ HSE NO 1409 EAST RD 20FT N C/L 70FT E C/L COBAN RD + 0.4 MI W FULLERTON RD	BG 1647
OTTRBEIN (1970)	746.763	RDBM TAG N WINGWALL CONC HDWL 13FT E OF ENT TO HSE NO 1276 EAST RD 15FT S C/L + 0.6 MI W FULLERTON RD	BG 1648
OTTRBEIN (1970)	748.113	L+T E SIDE BOT STEP TO HSE NO 1276 EAST RD 30FT S C/L + 0.6 MI W FULLERTON RD	BG 1649
OTTRBEIN (1970)	720.230	RDBM TAG CTR CONC HDWL @ NE COR EAST RD + VALLE DR 21FT N + 12FT E C/L INT	BG 1650
OTTRBEIN (1970)	720.074	L+T CONC DR TO HSE NO 1141 EAST RD @ NW COR VALLE DR 70FT N + 15FT W C/L INT	BG 1651
OTTRBEIN (1970)	731.928	L+T S CB OF DR TO HSE NO 1001 PAPAYA DR 20FT E C/L + 27FT N C/L PROD EAST RD	BG 1652

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
OTTRBEIN (1970)	716.821	RDBM TAG CTR CONC HDWL OF DROP INLET 21FT N C/L EAST RD + 300FT W C/L PAPAYA DR	BG 1653
OTTRBEIN (1970)	708.163	RDBM TAG IN CTR CONC HDWL 15FT N C/L EAST RD E PP NO 1124854E + 240FT S/O DEEP CYN RD	BG 1654
OTTRBEIN (1970)	728.022	CHIS X IN W POST STEEL GUARD RAIL 17FT S C/L EAST RD 100FT E OF DR TO HSE NO 640 + 0.2MI E, LY CHURCH-HILL RD	BG 1656
OTTRBEIN (1970)	727.038	L + T IN N LY EDGE CONC DRWY TO HSE NO 640 EAST RD 15FT E LY CTR MAC EAST RD + 0.19MI E LY CHURCH-HILL RD	BG 1657
OTTRBEIN (1970)	734.421	CHIS X ON TOP FIRE HYD BET HSE NO 500 + NO 502 EAST RD 25FT S C/L + 30FT E C/L CHURCHILL RD MKD (BM)	BG 1658
OTTRBEIN (1970)	650.090	CHIS X S POST OF STEEL GUARD RAIL 15FT W C/L EAST RD + 0.2MI W/O CHURCH-HILL RD	BG 1659
OTTRBEIN (1970)	606.019	L+T NW CB EAST RD 15FT NW C/L 45FT N TP NO W1678Y + 230FT S DRWY TO HSE NO365 0.25MI W LY CHURCH-HILL RD	BG 1660
OTTRBEIN (1970)	547.511	RDBM TAG CTR CONC HDWL 16FT N C/L EAST RD 50FT NW TP NO W1671Y + 1000FT E LY HACIENDA BLVD 135FT W DRWY TO HSE NO 222	BG 1661
BASELINE (1965)	605.381	CS MON FLUSH @ SW COR HACIENDA BLVD + ENCANADA DR 23FT W + 20FT S C/L INT	BG 1663
BASELINE (1965)	551.781	RDBM TAG INCTR OF S SIDE CONC VALVE BOX 12FT N + 24FT W C/L INT HACIENDA BLVD + EAST RD	BG 1664
BASELINE (1965)	555.235	L+T IN W END CONC STEP TO OFFICE @ SE COR HACIENDA BLVD + EAST RD 50FT E + 40FT S C/L INT MKD (BM)	BG 1665
BASELINE (1965)	512.744	L+BRAD 2FT S OF N END CONC HDWL OPP HSE NO 1703 HACIENDA BLVD 21FT E C/L MKD (BM)	BG 1666
OTTRBEIN (1970)	595.856	RDBM TAG IN NW CONC FOOTING TO EDISON TOWER NO 1/3 182FT S C/L GRAZIDE RD + 4985FT W ANAHEIM-PUENTE RD	BG 1719
OTTRBEIN (1970)	376.349	L+T CONC RIM WATER VALVE BOX 45FT W C/L ANAHEIM-PUENTE RD + ± 550FT N/O RAILROAD ST 200FT S/O OFFICE OF DAY + NIGHT MFG CO (S EDGE DR OF GATE NO 1 - MKD BM)	BG 1734
BASELINE (1965)	335.689	L+T CONC FOUNDATION OF GAS STA 33FT W C/L ALBERT ST + 50FT S C/L OLD VALLEY BLVD MKD (BM)	BG 1738
BASELINE (1965)	343.475	RDBM TAG N CB 4FT E BCR 20FT N C/L OLD VALLEY BLVD + 28FT E C/L BAJA AVE	BG 1739
BASELINE (1965)	370.330	L+BN N CONC HDWL 75FT S C/L VALLEY BLVD + 150FT W C/L WICKFORD AVE	BG 1742
BASELINE (1965)	373.088	L+T IN END OF ISL 4FT N C/L VALLEY BLVD + 60FT W C/L WICKFORD AVE	BG 1743
BASELINE (1965)	379.341	RD MON IN WELL 7IN DN @ C/L INT VALLEY BLVD + AZUSA AVE PASS + COVINA RD	BG 1745
BASELINE (1965)	390.096	RD MON IN WELL 8IN DN ON C/L INT VALLEY BLVD + HAMBLEDON AVE	BG 1746



QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
BASELINE (1965)	390.843	L+T N CB VALLEY BLVD 3FT E BCR @ NE COR HAMBLEDON AVE 36FT N + 47FT E C/L INT	BG 1747
BASELINE (1965)	412.372	L+BN IN RR SIGNAL BASE 75FT S C/L VALLEY BLVD + 35FT W C/L YORBITA RD	BG 1750
BASELINE (1965)	410.050	RDBM TAG CTR CONC HDWL 43FT N C/L VALLEY BLVD + 25FT E C/L YORBITA RD	BG 1751
BASELINE (1965)	419.859	RDBM TAG W CB 11FT N BCR 81FT N C/L VALLEY BLVD + 20FT W C/L LA SEDA RD	BG 1752A
BASELINE (1965)	419.960	L+T E CB 12FT N BCR 82FT N C/L VALLEY BLVD + 20FT E C/L LA SEDA RD	BG 1753
BASELINE (1965)	429.646	L+BN E END CONC HDWL 70FT S C/L VALLEY BLVD + 0.2MI E LA SEDA RD MKD (BM 12)	BG 1754
BASELINE (1965)	432.923	RDBM TAG N CB 1FT W CATCH BASIN 40FT N VALLEY BLVD + 0.2 MI E LA SEDA RD	BG 1755
OTTRBEIN (1970)	520.788	RDBM TAG IN E CB LEMON AVE 30FT E C/L + 0.2 MI N CURRIER RD NR DRAINAGE BOX FROM WALNUT SCHOOL	BG 1786
OTTRBEIN (1970)	521.188	RDBM TAG IN S END CONC WALL OF BUS LOADING YARD @ WALNUT SCHOOL 40FT E C/L LEMON AVE + 0.2 MI N CURRIER RD	BG 1787
OTTRBEIN (1970)	527.356	RDBM TAG W END CONC HDWL 17FT S C/L CURRIER RD + 46FT E C/L LEMON RD	BG 1789
OTTRBEIN (1970)	529.061	L+T NR CTR OF CURVED CONC HDWL 24FT N C/L LYCOMING ST + 26FT E C/L LEMON RD	BG 1790
OTTRBEIN (1970)	528.879	L+T NR CTR OF CURVED CONC HDWL 28FT S C/L LYCOMING ST + 26FT E C/L LEMON RD	BG 1791
OTTRBEIN (1970)	535.471	L+BN S END CONC HDWL 23FT N C/L LYCOMING ST + 42FT W C/L BANNING WAY MKD (BM)	BG 1792
OTTRBEIN (1970)	641.933	USC+GS TRI STA MON FLUSH 27FT W C/L OLD BREA CANYON RD @ INT BREA CANYON RD MKD (STOP 1938)	BG 1800
OTTRBEIN (1970)	717.432	USC+GS MON 6IN UP 50FT E C/L BREA CANYON RD + 0.3 MI S OLD BREA CANYON RD MKD (M 346)	BG 1802
OTTRBEIN (1970)	793.888	RDBM TAG NR N END HDWL NO B 173+89 20FT E C/L BREA CANYON RD + 0.7 MI S OLD BREA CANYON RD	BG 1805
OTTRBEIN (1970)	772.621	RDBM TAG IN CONC CATTLE UNDER PASS NO B 158+59 32FT W C/L BREA CANYON RD + 1.0 MI N BREA CANYON CUTOFF RD	BG 1806
OTTRBEIN (1970)	771.451	RDBM TAG IN S END CONC CATTLE UNDERPASS NO B 158+50 24FT E C/L BREA CANYON RD + 1.0 MI N BREA CANYON CUTOFF RD	BG 1807
OTTRBEIN (1970)	692.634	USC+GS BR MON FLUSH 26FT E C/L BREA CANYON RD + 0.2 MI N BREA CANYON CUTOFF RD MKD (F 347)	BG 1812
OTTRBEIN (1970)	692.861	RDBM TAG IN CONC HDWL NO B 118+54 20FT W C/L BREA CANYON RD + 0.2 MI N BREA CUTOFF RD	BG 1813
OTTRBEIN (1970)	681.902	USC+GS BR WITNESS COR FLUSH 44FT S + 25FT W C/L INT BREA CANYON CUTOFF RD + BREA CANYON RD MKD (SPADRA NO 1)	BG 1815
OTTRBEIN (1970)	762.502	RDBM TAG NR CTR CONC HDWL 18FT N C/L BREA CANYON CUTOFF RD + 0.3 MI N BREA CANYON RD	BG 1816

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
OTTRBEIN (1970)	765.955	CS BR MON 2IN UP NR 2IN WHITE WITNESS PIPE 110FT N C/L BREA CANYON CUTOFF RD + 0.3 MI N BREA CANYON RD MKD (BM 12)	BG 1817
OTTRBEIN (1970)	809.234	CS BR MON 2IN UP NR 2IN WHITE WITNESS PIPE 50FT E OF E END OF BRIDGE NO B 761 75FT N C/L BREA CANYON CUTOFF RD + 0.5 MI N BREA CANYON RD MKD (BM 11)	BG 1818
OTTRBEIN (1970)	821.601	RDBM TAG IN CONC HDWL 15FT N C/L BREA CANYON CUTOFF RD + 0.55 MI N BREA CANYON RD	BG 1819
OTTRBEIN (1970)	872.243	BT SPK IN CONC HDWL 15FT N C/L BREA CANYON CUTOFF RD + 0.75 MI N BREA CANYON RD 550FT FROM SUMMIT MKD (BM 9)	BG 1820
OTTRBEIN (1970)	874.189	2IN IP 2IN UP 50FT S C/L BREA CANYON CUTOFF RD + 0.75 MI N BREA CANYON RD 500FT FROM SUMMIT MKD (LS 2311) USE X IN N EDGE	BG 1821
OTTRBEIN (1970)	894.622	BT HD SPK IN CONC HDWL 21FT W C/L BREA CANYON CUT-OFF RD 0.2MI S/O OAKLEAF CYN RD 30FT S/O DRWY TO HSE NO 2545 MKD BM NO 7	BG 1822
OTTRBEIN (1970)	872.100	S + L IN E CONC HDWL 15FT W/O C/L BREA CYN CUT-OFF RD 0.15MI S/O OAKLEAF CYN RD MKD BM NO 6	BG 1823
OTTRBEIN (1970)	772.380	BT SPK IN CONC HDWL OF CATTLE UNDERPASS 16FT SW C/L BREA CANYON CUTOFF RD + 0.75 MI S COLIMA RD MKD (BM 3)	BG 1824
OTTRBEIN (1970)	770.149	RDBM TAG IN CONC HDWL TO CATTLE UNDERPASS 10FT NE C/L BREA CANYON CUTOFF RD + 0.75 MI S COLIMA RD	BG 1825
OTTRBEIN (1970)	725.113	L+BN IN CONC HDWL OF DIRT RD TO WATER TANK 10FT N C/L 66FT W C/L BREA CANYON CUTOFF RD + 0.6 MI S COLIMA RD MKD (BM)	BG 1826
OTTRBEIN (1970)	715.993	RDBM TAG CONC HDWL OF DIRT RD TO WATER TANK 36FT S C/L 25FT W C/L BREA CANYON CUTOFF RD + 0.6 MI S COLIMA RD MKD (BM)	BG 1827
OTTRBEIN (1970)	673.455	RDBM TAG NW COR CONC HDWL 20FT W C/L BREA CANYON CUTOFF RD 50FT S OF BC + 0.4MI S COLIMA RD	BG 1828
OTTRBEIN (1970)	652.053	CS MON IN WELL 8IN DN @ C/L INT PATHFINDER RD + BREA CANYON CUTOFF RD 0.35 MI S COLIMA RD MKD PI NO 6 USE N EDGE	BG 1829
OTTRBEIN (1970)	656.501	LACS MON 18IN DN 66FT N/O PI PATHFINDER RD @ STA 419 12.02 1000FT W BREA CYN CUT-OFF RD	BG 1836
OTTRBEIN (1970)	647.879	LACS MON 18IN DN 34FT S/O PI PATHFINDER RD @ STA 419 12.02 1000FT W BREA CYN CUTOFF RD	BG 1837
OTTRBEIN (1970)	632.100	L + T IN BOTTOM STEP OF WK TO HSE NO 1843 BREA CYN RD 75FT S C/L STA 412+55 PATHFINDER RD 0.4MI W BREA CYN CUT-OFF RD MKD BM	BG 1838
OTTRBEIN (1970)	639.240	LACS MON 18IN DN 50FT S C/L PATHFINDER RD @ STA 410 73.55 0.45MI W/O BREA CYN CUT-OFF RD	BG 1839
OTTRBEIN (1970)	646.170	LACS MON 18IN DN 50FT S C/L PATHFINDER RD RP TO POT 393 76.93 + 1100FT E/O E END BALAN RD	BG 1840
OTTRBEIN (1970)	635.454	LACS MON 18IN DN 50FT N C/L PATHFINDER RD RP TO POT 393 76.93 + 1100FT E/O E END BALAN RD	BG 1841

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
OTTRBEIN (1970)	574.125	1/2IN IP 3IN UP IN CONC FTG OF 5FT CHAIN LINK FEN ON NE COR PATHFINDER + DESIRE AVE NLY + 20FT E + 140FT N C/L INT USE W EDGE	BG 1848
OTTRBEIN (1970)	573.925	3/4IN IP + RE 248 TAG 8IN UP ALONG FENCE LINE 128FT W C/L DESIRE AVE + 0.95 MI S FIFTH AVE	BG 1849
OTTRBEIN (1970)	634.835	3/4IN IP 2IN DN 50FT N C/L PATHFINDER RD 295FT W C/L GALLIO AVE + 0.2 MI S AGUIRO ST	BG 1850
OTTRBEIN (1970)	640.207	3/4IN IP 2IN DN 50FT S C/L PATHFINDER RD 295FT W C/L GALLIO AVE + 0.2MI S AGUIRO ST	BG 1851
OTTRBEIN (1970)	647.524	CHIS X IN OIL LINE VALVE BOX CASTING 95FT S C/L PATHFINDER RD 130FT W C/L BATSON AVE + 0.25MI S AGUIRO ST	BG 1852
OTTRBEIN (1970)	629.283	3/4IN IP 2IN DN 50FT N C/L PATHFINDER RD + 1835 FT E C/L FULLERTON RD (USE N EDGE)	BG 1854
OTTRBEIN (1970)	636.642	3/4IN IP 2IN DN 50FT S C/L PATHFINDER RD + 1835 FT E C/L FULLERTON RD (USE S EDGE)	BG 1855
OTTRBEIN (1970)	632.532	3/4IN IP 3IN DN 50FT S C/L PATHFINDER RD @ STA 268 26.49 401FT E C/L FULLERTON RD USE SE EDGE	BG 1856
OTTRBEIN (1970)	614.996	3/4IN IP 3IN DN 50FT N C/L PATHFINDER RD @ STA 268 26.49 401FT E C/L FULLERTON RD USE W EDGE	BG 1857
OTTRBEIN (1970)	629.527	CS MON IN WELL 4FT W C/L FULLERTON RD 35FT E PI + 115FT NE PP NO 1073667E 1.75MI S COLIMA RD @ WATER DISTRICT OFFICE USE S EDGE	BG 1858
OTTRBEIN (1970)	629.064	L+BRAD E END OF HDWL 30FT W OF PI FULLERTON RD + 80FT E PP NO 1073667E 1.75MI S COLIMA RD @ WATER DISTRICT OFFICE	BG 1859
BASELINE (1965)	604.217	CS MON IN WELL 30IN DN NR CTR TRAFFIC ISL @ INT VALLEY BLVD LA PUENTE RD + GRAND AVE MKD (BM 11-95)	BG 1873A
BASELINE (1965)	684.146	LACS MON IN WELL 12IN DN 110FT SW LY + 30FT NW LY C/L INT POMONA BLVD + SPRR TRACKS 55FT W OF W RAIL	BG 1898
BASELINE (1965)	771.121	RD BR CAP MON IN HDWL 80FT N LY C/L POMONA BLVD 8FT S/O S RAIL SPRR 13FT E LY C/L RIDGEWAY ST PROD 90FT S C/L MT VERNON AVE	BG 1962
OTTRBEIN (1970)	512.036	USC+GS MON IN CONC 2IN UP 20FT E C/L BREA CANYON RD @ L A CO LINE MKD (K422-1935)	BG 2045
OTTRBEIN (1970)	516.657	USC+GS MON IN CONC 6IN UP 34FT E BREA CANYON RD + 100FT N L A CO LINE MKD (E349-1949)	BG 2046
OTTRBEIN (1970)	565.495	USC+GS MON IN CONC 4IN UP 24FT E C/L BREA CANYON RD + 1.7MI S BREA CANYON CUTOFF RD + 0.4MI N L A CO LINE MKD (Y-421-1935)	BG 2047
OTTRBEIN (1970)	566.189	USC+GS MON IN CONC 6IN UP 64FT E C/L BREA CANYON RD + 1.6MI S BREA CANYON CUTOFF RD + 0.45MI NLY OF L A CO LINE MKD (P348-1945)	BG 2048
OTTRBEIN (1970)	610.707	USC+GS MON IN CONC 3IN UP 100FT SE C/L BREA CANYON RD + 1.25MI S BREA CANYON CUTOFF RD MKD (D 348-1949)	BG 2049
OTTRBEIN (1970)	615.836	USC+GS MON IN CONC 4IN UP 82FT SE C/L BREA CANYON RD + 1.2MI S BREA CANYON CUTOFF RD MKD (C 348-1949)	BG 2050

QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBER
OTTRBEIN (1970)	632.309	USC+GS MON IN CONC 2IN UP 133FT E C/L BREA CANYON RD + 0.75MI S BREA CANYON CUTOFF RD MKD (T347-1949)	BG 2051
OTTRBEIN (1970)	634.878	USC+GS MON IN CONC 2IN UP 50FT E C/L BREA CANYON RD + 0.7MI S BREA CANYON CUTOFF RD MKD (S 347-1949)	BG 2052
OTTRBEIN (1970)	778.938	RDBM TAG IN CTR OF CONC PKWY 5FT N + 34FT W C/L INT MISSION BLVD + ROSELAWN AVE	BG 2071
OTTRBEIN (1970)	778.406	L+PK 6IN S OF N END OF CONC HDWL 75FT N + 19FT E C/L INT MISSION BLVD + ROSELAWN AVE	BG 2072
OTTRBEIN (1970)	794.279	RDBM TAG 1FT N OF S END CONC HDWL @ NW COR 162FT W + 71FT N C/L INT CORONA EXPRESSWAY + MISSION BLVD	BG 2073
BASELINE (1965)	798.270	LACS MON IN WELL 13IN DN ON C/L 2ND ST IN MED ISL 2.5FT W/O END 310FT E C/L INT 2ND ST + HWY NO 71 MKD BM 11-85	BG 2076
OTTRBEIN (1970)	675.570	RDBM TAG IN CONC BOX CULV 2FT S C/L DIAMOND BAR BLVD 0.1MI E INT BREA CYN RD + DIAMOND BAR BLVD	BG 2091
OTTRBEIN (1970)	677.000	RDBM TAG IN CONC BOX CULV 45FT S C/L DIAMOND BAR BLVD 0.1MI E INT BREA CYN RD + DIAMOND BAR BLVD	BG 2092
OTTRBEIN (1970)	732.806	RDBM TAG IN CONC BOX CULV IN ISLAND 2FT E C/L DIAMOND BAR BLVD 0.1MI N C/L INT CROOKED CRK DR	BG 2093
OTTRBEIN (1970)	734.996	RDBM TAG IN CONC HDWL 55FT E C/L DIAMOND BAR BLVD 0.1MI N INT CROOKED CREEK DR	BG 2094
OTTRBEIN (1970)	732.112	BEG @ BREA CANYON RD + DIAMOND BAR BLVD THENCE RDBM TAG 2FT S/O N END CONC HDWL 65FT E LY + 12FT N LY C/L INT DIAMOND BAR BLVD + FOUNTAIN SPRINGS RD	BG 2095
OTTRBEIN (1970)	756.521	RDBM TAG IN E SIDE CONC BOX CULV 2FT E C/L DIAMOND BAR BLVD + 0.15MI N SHADOW CYN DR	BG 2097
OTTRBEIN (1970)	753.797	RDBM TAG NR N END CONC HDWL 65FT E LY C/L DIAMOND BAR BLVD + 0.15MI N LY SHADOW CYN DR	BG 2098
OTTRBEIN (1970)	772.299	RDBM TAG IN CONC HDWL NR INT DIAMOND BAR BLVD + PATHFINDER RD 224FT NLY + 60FT ELY C/L INT	BG 2100
OTTRBEIN (1970)	809.862	BEG @ PATHFINDER RD + DIAMOND BAR BLVD THENCE 0.55MI NLY ALONG DIAMOND BAR BLVD TO CONC HDWL RDBM TAG NR CTR CONC HDWL 135FT S LY + 65FT E LY C/L INT DIAMOND BAR BLVD + KIOWA CREST DR	BG 2103
OTTRBEIN (1970)	820.574	RDBM TAG NR CTR CONC HDWL 65FT E LY + 130FT S LY C/L INT DIAMOND BAR BLVD + ACACIA HILL DR	BG 2105
OTTRBEIN (1970)	833.939	RDBM TAG IN CTR CONC HDWL 65FT E LY + 345FT S LY C/L INT DIAMOND BAR BLVD + MAPLE HILL RD	BG 2107
OTTRBEIN (1970)	843.522	RDBM TAG IN CTR CONC HDWL 65FT E C/L DIAMOND BAR BLVD + 792FT N LY MAPLE HILL RD	BG 2109
OTTRBEIN (1970)	861.547	RDBM TAG IN CTR CONC HDWL 65FT E C/L DIAMOND BAR BLVD + 0.4MI N LY MAPLE HILL RD	BG 2111
OTTRBEIN (1970)	862.907	RDBM TAG IN CTR CONC HDWL 65FT W C/L DIAMOND BAR BLVD + 0.4MI N LY MAPLE HILL RD	BG 2112

