

FIELD COPY

COUNTY OF LOS ANGELES

ROAD DEPARTMENT



WHITTIER QUAD

BENCH MARKS

1960

PREFACE

The Road Department level net is composed of some 1,000 miles of levels supporting more than 10,000 bench marks. In 1955, a major re-adjustment of the net was undertaken resulting in revised bench mark elevations of which the accompanying list is a part.

To facilitate the adjustment, indexing, and distribution of adjusted values of the net, the county territory was divided into 30 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 Dept. 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.,

SG 908 - L & T in E. cb. Miscatel Ave. on C/L prod.
Scott St. (Rosemead - 1955) Elev. 333.517

It is expected that this general adjustment will, for the most part, remain sound for the next 15 or 20 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 "1955" 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.

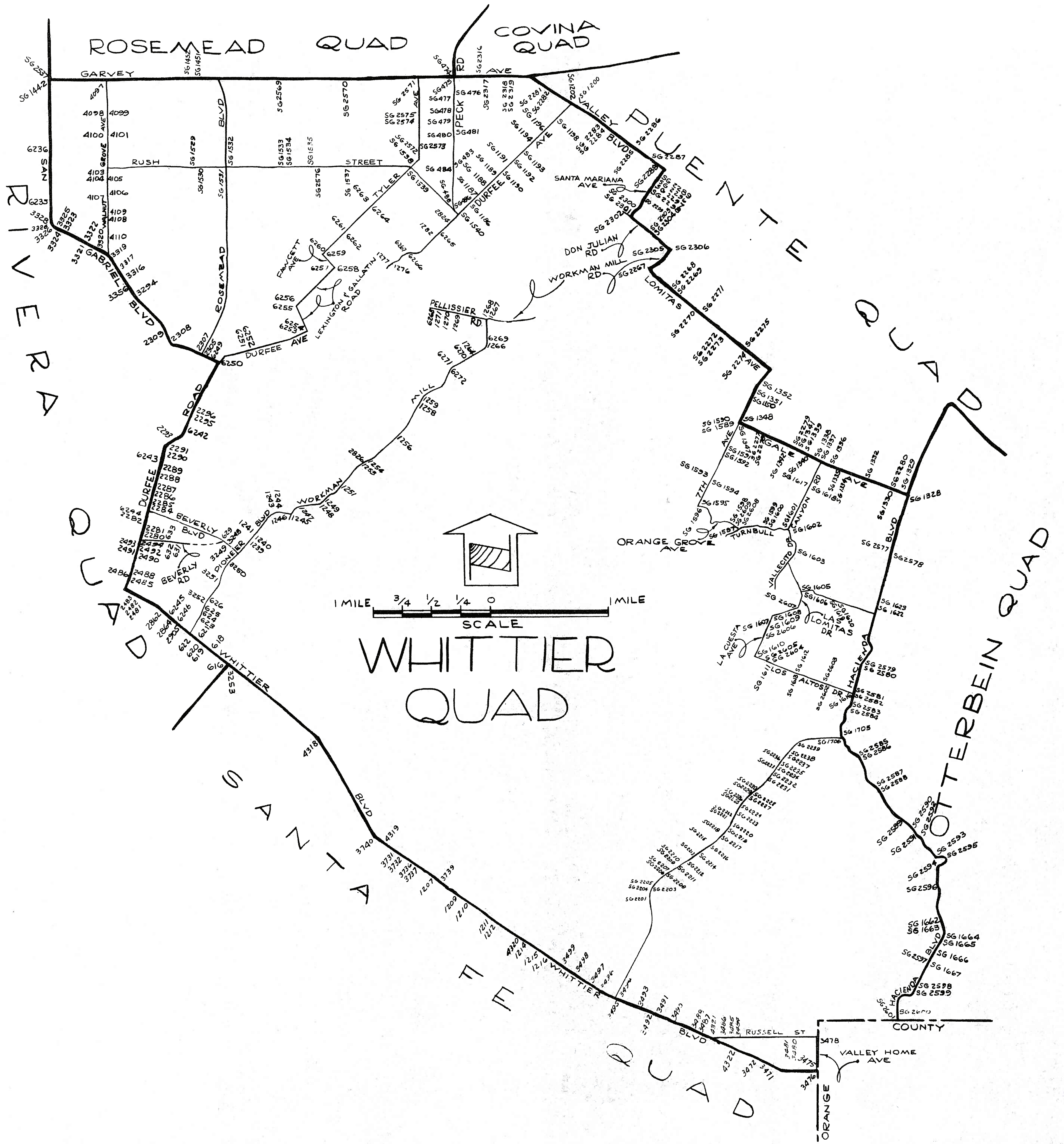
The basic accuracy of the net is reflected by an indicated field probable error of ± 0.12 foot per mile of leveling as determined from 298 conditions of closure. However, many years experience in vertical control in the greater Los Angeles basin & Antelope Valley indicate that because of varying degrees 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, 1952 Adjustment.

Abbreviations Used in Bench Mark Listings

ABUT--Abutment	L+BN--Lead and Bench Mark Nail
ANG PT--Angle Point	L+BR--Lead and Brad
BC--Beginning of Curve	L+N--Lead and Nail
BCR--Beginning of Curb Return	L+PK--Lead and PK Nail
BLDG--Building	L+SPK--Lead and Spike
BT SPK--Boat or Bolt Spike	L+T--Lead and Tack
CB R&T--Curb Return	MCR--Middle of Curb Return
C/L INT--Center Line Intersection	MKD--Marked
C/L PROD--Center Line Produced	NR--Near
COE--Corps of Engineers	OPP--Opposite
CONC--Concrete	PI--Point of Intersection
CS MON--County Surveyor Monument	PK+W--PK Nail and Washer
CS BR CAP--County Surveyor Brass Cap Monument	P/L--Property Line
CT SPK--Cut Spike	P O S T--Point on Semi-tangent
CTR--Center	PP--Power Pole
DN--Down	PVMT--Pavement
DR--Driveway	R D--Road Department
EC--End of Curve	RDBM--Road Department Bench Mark
ENT--Entrance	RR--Railroad
FC--Flood Control (Dept. LA County)	SPK T+W--Spike, Tin and Washer
FTG--Footing	USC+GS--United States Coast and Geodetic Survey
HDWL--Headwall	USGS--United States Geological Survey
HSE--House	WK--Walk
IP--Iron Pipe	±--Plus or Minus
LACE--Los Angeles City Engineer	+--And



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QUAD-YEAR	ELEV	DESCRIPTION (INCLUDE QUAD AND YEAR IN DESCRIPTION)	BM NUMBE
BASELINE (1955)	273.452	L+T 8FT E OF CONC DR TO GAS STA @ NW COR GARVEY AVE + PECK RD	SG 474
BASELINE (1955)	273.384	L+BN 1FT W BCR @ SW COR GARVEY AVE + PECK RD	SG 475
WHITTIER (1960)	274.904	L+SPK 9FT S BCR @ SE COR MAGNOLIA ST + PECK RD MKD (ME85)	SG 476
WHITTIER (1960)	273.431	L+SPK 7FT W BCR @ SW COR DODSON ST + PECK RD MKD (ME8)	SG 477
WHITTIER (1960)	270.686	L+SPK 6FT W BCR @ NW COR ELLIOTT AVE + PECK RD	SG 478
WHITTIER (1960)	267.963	L+SPK 6FT W BCR @ SW COR SCHMIDT RD + PECK RD MKD (M E 75)	SG 479
WHITTIER (1960)	264.959	L+SPK 6FT W BCR @ NW COR KLINGERMAN ST + PECK RD MKD (ME 60)	SG 480
WHITTIER (1960)	264.110	RD MON IN WELL 8 IN DN @ DR NEAR C/L INT PECK RD + KLINGERMORE ST MKD (LA CO RD DEPT 1950)	SG 481
WHITTIER (1960)	258.458	RD BM TAG W CB 1FT N BCR SERVICE ISLAND ON N ELY COR PECK RD + FINEVIEW ST 15FT NLY + 40FT ELY C/L INT	SG 483
WHITTIER (1960)	258.036	RD MON IN WELL 8 IN DN @ DR NEAR C/L INT PECK RD + FINEVIEW ST MKD (LA CO RD DEPT 1950)	SG 484
WHITTIER (1960)	253.264	L+BN 40FT W OF C/L PECK RD IN CB 5FT N CATCH BASIN 150FT N C/L INT PECK RD + RUSH RD	SG 485
WHITTIER (1960)	253.768	L+T E CB DURFEE AVE 2FT S BCR @ NE COR RUSH ST TO E (PECK RD TO W) 40FT E + 40FT N C/L INT	SG 486
WHITTIER (1960)	259.738	L+T N EDGE CONC WK TO HSE NO 2118 46FT E C/L DURFEE AVE + 41FT S C/L PROD CHOSEN ST	SG 1186
WHITTIER (1960)	262.223	L+N CONC SLAB FRONT OF CHURCH NO 2163 @ SW COR FINEVIEW ST + DURFEE AVE (MKD M E 270)	SG 1187
WHITTIER (1960)	266.618	L+T N EDGE CONC DRWY TO HSE NO 2304 51FT E C/L DURFEE AVE	SG 1188
WHITTIER (1960)	269.417	RD MON IN WELL 7IN DN @ DR NR C/L INT DURFEE AVE + KLINGERMAN ST MKD (LA CO RD DEPT 1957)	SG 1189
WHITTIER (1960)	270.602	RD BM TAG E CB 61FT N BCR @ NE COR DURFEE AVE + KLINGERMAN ST 95FT N + 40FT E C/L INT	SG 1190
WHITTIER (1960)	272.989	L+SPK S EDGE CONC DR GAS STA ISL 8FT W SE COR CONC DR @ NW COR SHMIDT RD + DURFEE AVE (MKD M E 273)	SG 1191
WHITTIER (1960)	274.880	L+T CTR CONC WK 4FT S OF N EDGE FRONT OF BLDG NO 2514 DURFEE AVE 50FT S C/L PROD MOREHOUSE ST	SG 1192
WHITTIER (1960)	278.731	L+T SW COR CONC WK FRONT OF BLDG NO 2600 @ NE COR DURFEE AVE + ELLIOTT AVE	SG 1193
WHITTIER (1960)	281.265	L+T E END 1ST CONC STEP PORCH TO HSE NO 2659 DURFEE AVE 45FT S C/L PROD POINSETTIA AVE	SG 1194
WHITTIER (1960)	285.221	L+BN CTR E SIDE GAS PUMP ISL L A CO YARD DIV 106 NW COR MAGNOLIA ST + DURFEE AVE	SG 1196

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WHITTIER (1960)	290.086	L+T N CB DRWY TO HSE NO 2942 DURFEE AVE 1FT N GATE POST	SG	1198
BASELINE (1955)	292.878	L+T N CB VALLEY BLVD 1FT E BCR @ NE COR DURFEE AVE 55FT E + 34FT N C/L INT	SG	1200
BASELINE (1955)	291.663	L+BN W CB E DR TO BLDG NO 12255 VALLEY BLVD @ NW COR DURFEE AVE 2FT N OF END CB	SG	1202
BASELINE (1955)	332.727	L+T NR CTR CB RET @ SW COR GALE AVE + HACIENDA BLVD 47FT S + 47FT W C/L INT MKD (BM P)	SG	1328
BASELINE (1955)	332.111	RDBM TAG N CB 9FT E BCR @ NW COR HACIENDA BLVD + GALE AVE 36FT N + 70FT W C/L INT	SG	1329
BASELINE (1955)	329.429	L+T NEDGE CON WK TO HSE NO 15618 8FT W OF END 25FT W C/L FARMSTEAD ST + 55FT S C/L GALE AVE	SG	1330
BASELINE (1955)	329.300	OUT L+T SE COR WEIR BOX 30FT N C/L GALE AVE + 7FT W C/L KWIS AVE	SG	1332
BASELINE (1955)	327.797	L+T EDGE CONC WK TO HSE NO 15410 GALE AVE 45FT S C/L	SG	1334
BASELINE (1955)	328.922	L+T W EDGE CONC DR TO HSE NO 15350 GALE AVE 35FT S C/L	SG	1335
BASELINE (1955)	329.787	L+BN NE COR WEIR BOX 30FT N C/L GALE AVE 40FT E OF HSE NO 15261	SG	1336
BASELINE (1955)	324.451	CS MON IN WELL 8 IN DN @ C/L INT GALE AVE + TURNBULL CANYON RD MKD (PUENTE D 11.)	SG	1337
BASELINE (1955)	325.447	L+T 3FT E BCR @ NW COR GALE AVE + TURNBULL CANYON RD	SG	1338
BASELINE (1955)	324.835	L+BN 4FT E BCR @ NE COR GALE AVE + VALENCIA AVE	SG	1339
BASELINE (1955)	325.766	L+SPK 7FT S BCR @ SE COR GALE AVE + VALENCIA AVE MKD (AZ 42)	SG	1340
BASELINE (1955)	330.448	L+SPK 4FT E OF END CB @ NE COR GALE AVE + 9TH AVE MKD (AZ 28)	SG	1341
BASELINE (1955)	332.815	L+T NE COR OF CONC HDWL OF CULV @ SW COR GALE AVE + 9TH AVE	SG	1342
BASELINE (1955)	361.402	L+BN NR CTR CB RET @ SE COR GALE AVE + 7TH AVE	SG	1347
BASELINE (1955)	358.569	L+BN E CB 17FT N OF ANG PT @ NE COR GALE AVE + 7TH AVE 70FT N + 18FT E C/L INT MKD (SD205)	SG	1348
BASELINE (1955)	322.224	L+T 4FT S BCR @ SE COR CLARK AVE + 7TH AVE	SG	1350
BASELINE (1955)	320.142	L+T 7FT N BCR @ NE COR CLARK AVE + 7TH AVE	SG	1351
BASELINE (1955)	309.131	L+BN NW COR CONC SLAB OVER STORM DRAIN 20FT E C/L 7TH AVE + 6FT N OF N RAIL UPRR	SG	1352
BASELINE (1955)	271.710	CS MON IN WELL 23FT S C/L GARVEY AVE + 14FT W C/L SAN GABRIEL PLVD	SG	1442
BASELINE (1955)	247.071	FC BR CAP @ NE COR OF CONC BRIDGE NO 53-95 @ GARVEY AVE + RIO HONDO RIVER MKD (BM 57-13)	SG	1451

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BASELINE (1955)	249.197	FC BR CAP @ NW COR OF CONC BRIDGE NO 53-95 @ GARVEY AVE + RIO HONDO RIVER MKD (MB 57-11)	SG	1452
WHITTIER (1960)	228.003	CO ENG TRI MON IN WELL 8IN DN AT DR NEAR C/L INT RUSH ST + LOMA AVE MKD (EL MONTE D-6)	SG	1529
WHITTIER (1960)	229.721	L+T CONC WLK TO HSE NO 2004 12FT S FROM N EDGE OF WLK 75FT N C/L RUSH ST + 54FT E C/L LOMA AVE	SG	1530
WHITTIER (1960)	230.975	RDBM TAG IN CONC CB @ SW COR ROSEMEAD BLVD + RUSH ST 1FT N BCR	SG	1531
WHITTIER (1960)	232.516	L+SPK IN TOP OF CONC HDWL @ NE COR 1FT FROM N END OF HDWL 44FT N C/L RUSH ST + 44FT E C/L ROSEMEAD BLVD MKD (ME 129)	SG	1532
WHITTIER (1960)	239.519	L+T N CB 1FT W BCR @ NW COR RUSH ST + POTRERO AVE 30FT N + 45FT W C/L INT	SG	1533
WHITTIER (1960)	239.975	L+T IN CONC CB 1FT E BCR @ NE COR POTRERO AVE + RUSH ST 45FT E + 30FT N C/L INT	SG	1534
WHITTIER (1960)	244.686	CS MON IN WELL 15FT W C/L MERCED AVE + 100FT N C/L RUSH ST MKD (BM 14-5 1952 RE 63)	SG	1535
WHITTIER (1960)	249.360	L+T IN NW EDGE OF 4FT CONC WLK OF BLDG 75FT S C/L RUSH ST 51FT E C/L CENTRAL AVE	SG	1537
WHITTIER (1960)	260.532	L+T IN S END OF 1ST CONC STEP TO HSE NO 2005 @ NW COR TYLER AVE + RUSH ST	SG	1538
WHITTIER (1960)	256.297	L+T IN SE COR CONC WLK TO HSE NO 1940 TYLER AVE 50FT E C/L + 250FT S C/L RUSH ST	SG	1539
WHITTIER (1960)	253.767	RDBM TAG IN W CB 2FT N BCR 75FT N + 40FT W C/L INT RUSH ST + DURFEE AVE	SG	1540
BASELINE (1955)	358.627	CS MON IN WELL @ C/L INT 7TH AVE + GALE AVE	SG	1589
BASELINE (1955)	358.493	RDBM TAG NR CTR OF CUL DE SAC @ NE COR 7TH AVE + GALE AVE	SG	1590
WHITTIER (1960)	400.234	RD HD SPK + L N CB 85FT E C/L 7TH AVE 20FT N C/L PALM AVE CB (MKD BM)	SG	1591
WHITTIER (1960)	400.123	L+T NR NW COR OF CONC DR TO HSE NO 14606 PALM DR @ SE COR 7TH AVE 100FT E + 27FT S C/L INT	SG	1592
WHITTIER (1960)	443.221	CS MON IN WELL 10IN DN @ C/L INT 7TH AVE + LOS ROBLES AVE	SG	1593
WHITTIER (1960)	444.932	RDBM TAG IN N CB LOS ROBLES AVE IN FRONT OF HSE NO 1360 20FT N C/L + 75FT E C/L 7TH AVE	SG	1594
WHITTIER (1960)	493.698	L+T @ ANG PT OF CONC WK TO HSE NO 1656 7TH AVE @ NE COR OF ORANGE GROVE AVE 62FT E + 130FT N C/L INT	SG	1595
WHITTIER (1960)	502.246	RDBM TAG IN CONC RET WALL OF PRIVATE DR S ORANGE GROVE AVE + E C/L PROD 7TH AVE 43FT S + 22FT E C/L INT	SG	1596
WHITTIER (1960)	499.898	RDBM TAG IN E CULV WALL TO HSE NO 14860 ORANGE GROVE AVE 30FT S C/L + 150FT W C/L TURNBULL CANYON RD	SG	1597
WHITTIER (1960)	497.092	L+BN SE COR CONC WEIR BOX @ NW COR ORANGE GROVE AVE + TURNBULL CANYON RD 75FT W + 21FT N C/L INT	SG	1598

