Notes Ck'd by
Map No.
Office Work

Survey of L.A.Co. Precise Level Net
JN 0301.02 Tape Std °F
Surveyed by F.E.Brooks
Notes F.E.B. Date 29 June 1960
Indexed H. E. OTT JUL 7 '60

F. B. 2449 PG. 5

J. N. 0301.02

L. A CO. PRECISE LEVEL NET

MISCELLANEOUS BENCH

MARK REFERENCES

Microfilmed Feb. '86

LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Building
76F 0086 CE #247 3-57

F. B. 2449 PG. 6

INDEX

Page	B. M.s.	
11-13	Descriptions of	R.B.M 501A.
	" "	" " " 501B.
	" "	" " " 3772A
	" "	" " " 3772B
14	Sketch of Location of	R.B.M 501A
		" " " 501B
		" " " 3772A
		" " " 3772B
15-17	Elevations of	R.B.M.s. 501A, 501B, 3772A, 3772B.

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Notes Ck'd by	Survey of L.A.Co. Precise Level Net F.B. 2449 PG. 11
Map No.	JN 0301.02 Tape Std °F
Office Work	Surveyed by F.E. Brooks
Checked	Notes F.E.B. Date 29 June 1960
Date	Indexed H. E. OTT JUL 7 '60

J. N. 0301.02

L.A. CO. PRECISE LEVEL NET

DESCRIPTIONS and LOCATIONS

of U.S. 501 and U.S. 3772 (To be destoyed by construction.)

AND

R.B.M.s 501 A, 501 B, 3772 A, and 3772 B.

Brooks
Gobel
Turrill
Siemann
Bicksler

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76F OBS CE #247 3-57

F.B. 2449 Pg. 12

U.S. 501

Santa Monica, Pacific Electric Air Line Station, 83 ft. West of the west end, 60 ft. south of the center of main line track, 180 ft. east of Ocean Ave. In a 8X8X30 inch concrete post; bronze tablet stamped 2-1922

(2) 59.415 Sht. 21

Final Elev. 1928 59.415
PREL Elev 1960 (Line 48) 59.222

Note this monument has been driven over quite extensively.

U.S. 3772

Tidal 6 (L.A. County 48-19)

At Santa Monica L.A. Co. near intersection of Seaside Terrace and Ocean Ave. about 133 ft. N.E. of N.E. curb of Ocean Ave. 1.3 ft N.W. curb of Seaside Terrace and about level with curb a Std. disc. C-1941 set in top of a conc. post about flush with ground

(1)

1946 U.S.C.+G.S. adj 57.313
1960 L.A.Co. PREL. El. 57.185

Note.

The above two B.M.s are to be destroyed by construction

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Office Work
Checked
Date

Survey of L.A. Co. Precise Level Net F.B. 2449 Pg. 13
JN 0501-01 Tape Std °F
Surveyed by F. E. Brooks
Notes F.E.B. Date 29 June 1960
Indexed H. E. Ott

48-18A
B.M. (R.B.M. 501 A)
In SANTA MONICA L. A. Co. Main St. at Santa Monica City Hall East curb. 30.0 feet south of S.W.C.R. for drive to Police Parking lot. and 76.7 feet north of entrance walk to City Hall a At. spk. in lead. R.M. 501A chisled in cb.
1960 PREL El. Line 48 61.482

48-18B
B.M. (R.B.M. 501 B)
In SANTA MONICA L.A. Co. at Rand Corp. Bldg North side. At N. lobby entrance a conc. slab over oil tanks 1.1 feet N of S. edge and 1.1 feet E. of W edge a bt. spk in lead.
1960 PREL El. Line 48 60.914

48-19A
B.M. (R.B.M. 3772 A.)
In SANTA MONICA L.A. Co. Ocean Ave and Seaside Terrace West curb. 24.4 feet N. of N.W.C.R. a bt. spk in lead.
R.M. 3772 A chisled in cb.
1960 PREL EL. LINE 48 54.775

48-19B
B.M. (R.B.M. 3772 B.)
In SANTA MONICA L.A. Co. Ocean Ave and Road to beaches on E end of Island in st. aprox 137.5 feet North of N. Cb. of Seaside Terrace 1.2 feet East of St. Light a bt. Spk. in Lead.
R.M. 3772 B chisled in cb.
1960 PREL EL LINE 48 56.387

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76 FORMS CE #247—3-57

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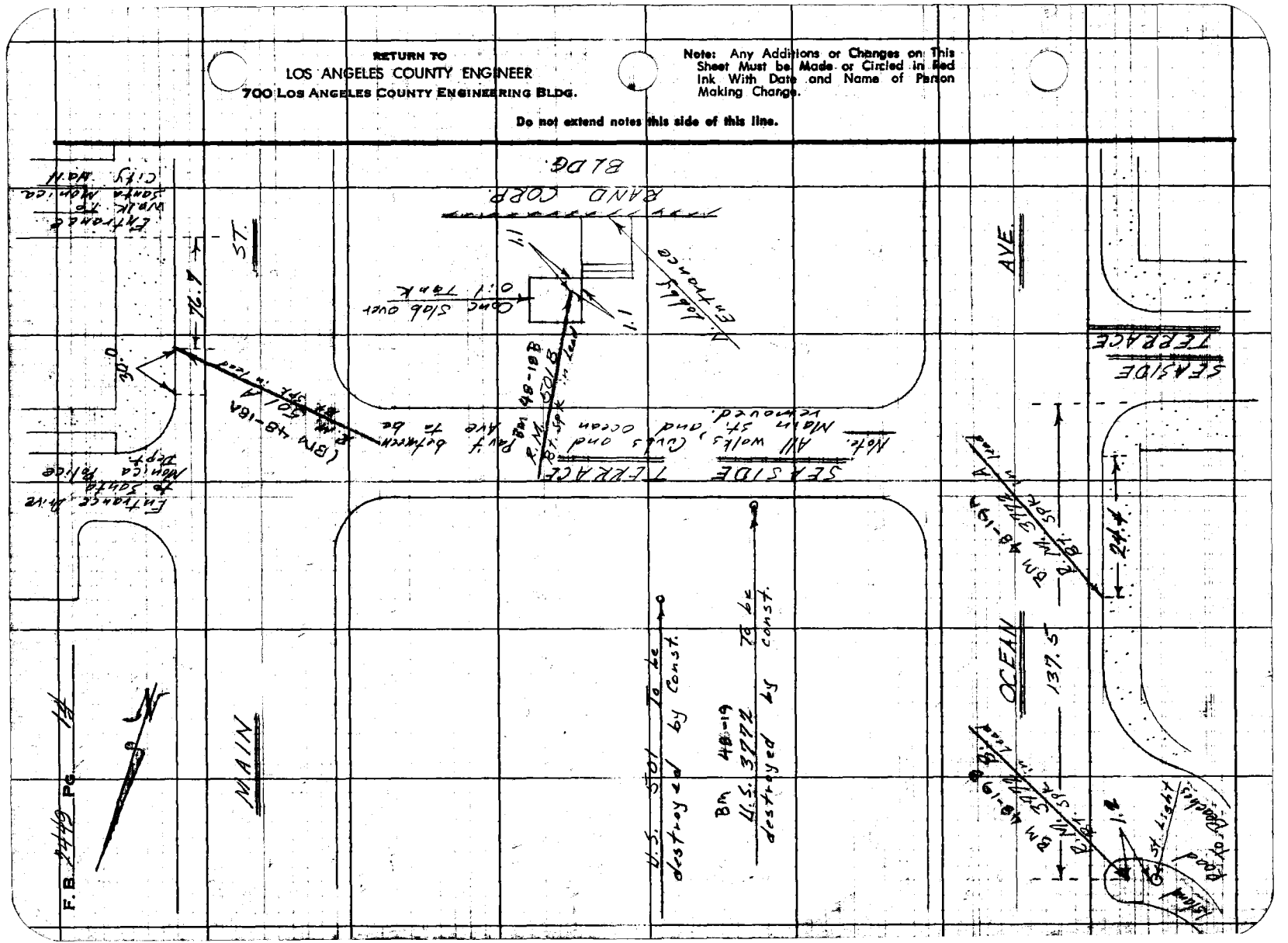

NOTES RED _____ JOB NO. 0301.02 SURVEY OF L.A.C. Precise Level Net F. B. 2449 Pg. 15

DATE _____ SURVEY BY F.E. Brooks

NOTES CHKD. _____ NOTES BY A.L.G. DATE 6-29-60

DATE _____ INDEXED H. E. OTT DATE Jul 7 '60

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
						J.N. 0301.02
						L.A.CO. PRECISE LEVEL NET
						ELEVATIONS of REF. BENCH MARKS
						501A, 501B, 3772A and 3772B.

Brooks
Gobel
Turrill
Siemonn
Bicksler

765420 S & E-353 4-54

769420 S & E-353 4-54

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JOB NO. 03.01.02 SURVEY OF L.A. COUNTY PRECISE LEVEL NET NOTES RED
SURVEY BY E.E. BROOKS DATE
NOTES BY A.L.G. DATE 6-23-60 NOTES CHKD
INDEXED H.E.OTT DATE DATE

F.B. 2449 Pg. 16

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV. PREL.	DESCRIPTION
US 501	59.415				59.222	US 501 ELEV ~~59.415~~
+	6.872	/	6.819			Santa Monica, Pacific Electric Air Line
⏃	66.287	+2.215	+2.216	/		Station, 83 ft. West of the west end, 60 ft. South
—	4.657		4.603			of the center of main line track, 180 ft East
TP	61.630					of Ocean Ave. in a 8x8x30 inch concrete
+	4.899	/	4.806			post; bronze tablet stamped "2-1922
⏃	66.529	+0.043	+0.044	/		Sht. 21 Final ELEV. 1928 59.415
—	4.856		4.762			
RM 501 A	61.673				61.482	R.M 501 A
+	5.434	/	5.371			In Santa Monica L.A.Co. Main St. at Santa
⏃	67.107	-0.514	-0.513	/		Monica City Hall East Cub. 30 ft. south of
—	5.948		5.884			S.W.C.R. for drive to Police Parking Lot and
TP	61.159					76.7 ft. north of entrance walk to City
+	4.586	/	4.512			Hall a bt spk in lead. R.M 501 A Chis. in
⏃	65.745	-0.055	-0.056	/		cb.
—	4.641		4.568			
RM 501 B	61.104				60.914	R.M 501 B
+	3.331	/	3.597	3.261		In Santa Monica L.A.Co. at Rand Corp. Bldg. N. side
⏃	64.435	-1.692	-1.498	-1.689	/	At N. lobby entrance a conc. slab over oil
—	5.023		5.095	4.950		tanks 11 ft N. of S edge & 1.5 ft. E of W. edge a bt spk in lead
US 501	59.412					U.S 501
+	4.447	/	4.376			See Above For Desc
⏃	63.859	-2.037	-2.037	/		
—	6.484		6.413			(48-19) L.A. County
US 3772	57.375				57.185	US 3772 ELEV 57.313 Tidal-6
						At Santa Monica L.A.Co. near inter. of Seaside Ter.
						and Ocean Ave about 133 ft. N.E of N.E curb of
						Ocean Ave 13 ft. N.W. curb of Seaside Ter. and about
						level with cb. a Std. d.sc. 6-1941 set in top of a
						conc. Post about flush with ground
						1946 U.S.C. & G.S. adj.

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NOTES RED. JOB NO. 03.01.02 SURVEY OF L.A. CO. PRECISE LEVEL NET
DATE SURVEY BY F. E. BROOKS
NOTES CHKD. NOTES BY A. L. G. DATE 6-29-60
DATE INDEXED H. E. OTT DATE

F.B. 2419 Pg. 17

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	~~ADJ.~~ ELEV. PREL	DESCRIPTION
U.S. 3772	57.313	← Record Elev. from File.				U.S. 3772 Elev = ~~57.310~~ 57.185
+	4.149		4.022		57.185	see Pgs 12 or 16 for desc.
⏊	61.462	-2.416	-2.409			L.A. County 48-19
−	6.553		6.431			
R.M. 3772A	54.903				54.775	R.M. 3772A
+	5.347		5.251			In Santa Monica L.A.Co. Ocean Ave and Seaside
⏊	60.250	+1.613	+1.610			Ter. West cb. 24.4 ft. N. of N.W.C.R. a bt.
−	3.734		3.641			spk in lead R.M. 3772A. chis. in cb.
R.M. 3772B	56.516				56.387	R.M. 3772B
+	5.006		4.852			In Santa Monica L.A.Co. Ocean Ave and
⏊	61.522	-1.035	-1.036			Road to Beaches on E. end of
−	6.041		5.888			Island in St approx 137.5 ft N. of
TP	55.481					N. cb. of Seaside Ter. 1.2 ft E. of St.
+	6.686		6.523			light a bt. spk in lead R.M. 3772B
⏊	62.167	+1.835	+1.833			chisled in cb.
−	4.851		4.690			
U.S. 3772	57.316				57.185	U.S. 3772 Elev. 57.313
+	6.485		6.356			see pgs. 12 or 16 for desc.
⏊	63.801	+2.037	+2.038			
−	4.448		4.318			
U.S. 501	59.353				59.222	U.S. 501 Elev. 59.415
						see pgs 12 or 16 for desc.

F. B. 1449 PG. 18

JOB NO. _____ SURVEY OF _____ NOTES RED _____

SURVEY BY _____ DATE _____ NOTES CHKD. _____

NOTES BY _____ DATE _____ DATE _____

INDEXED _____ DATE _____ DATE _____

765420 S & E-353 4-54

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B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION

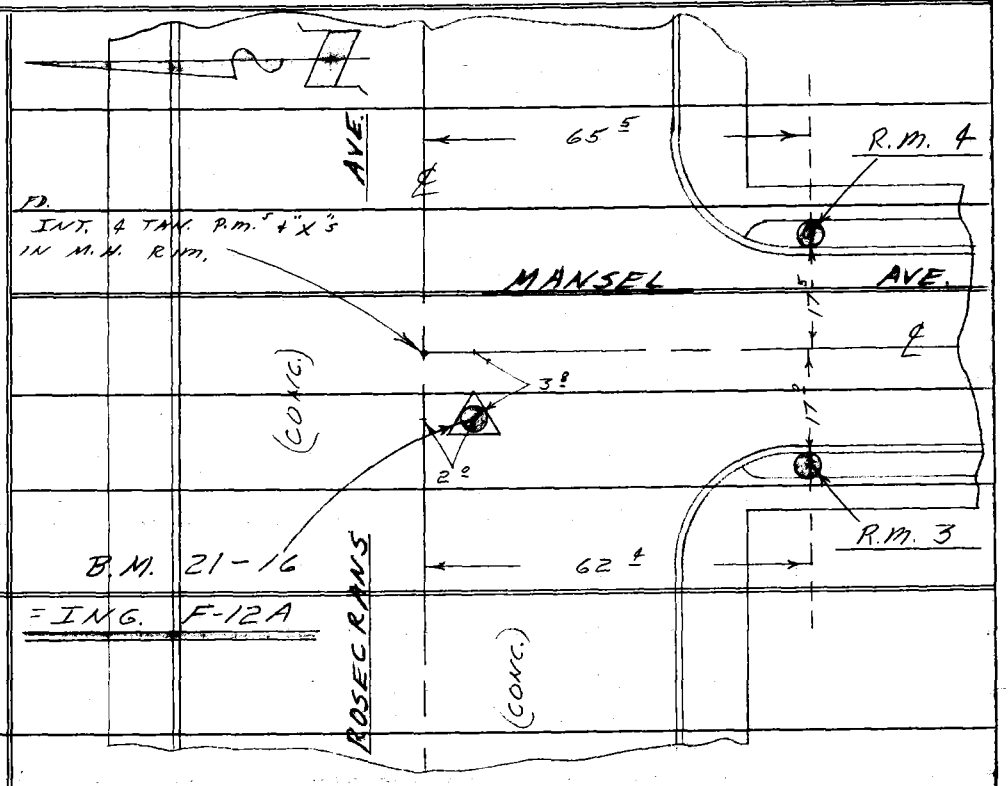
NOTES RED. JOB NO. 0301.00 SURVEY OF GEODETIC CONTROL

DATE SURVEY BY W. D. BAY

NOTES CHKD. NOTES BY BAY DATE 8-15-'60

DATE INDEXED H. E. OTT DATE AUG 19 '60

2449 F. B. Pg. 19



B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
			TO R.M. 5	SEE NEXT PG. FOR TRANSFER OF ELEV.	=ING. F-12A	

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765420 S & E-353 4-54

765420 S & E-353 4-54

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JOB NO 0301.00 SURVEY OF GEODETIC CONTROL NOTES RED.
SURVEY BY W. D. BAY DATE
NOTES BY B.E. BAY DATE 8-15-'60 NOTES CHKD.
INDEXED DATE DATE

F.B. 2449 Pg. 20

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
Bm. 21-16	72.879				72.879	Bm. 21-16 EL. 72.879 (1953 ADJ.)
+	5.732		5.493			F.B. 1391 - 20
π	78.611	-0.021	-0.020			
-	5.753		5.513			
R.M. 3	72.858				72.859	ING. F-12A R.M. 3 - SEE SKETCH ON PREVIOUS PAGE A STD. 4" BRASS R.M. CAP IN CONC. DM. 8" BELOW CURB GRADE.
+	5.319		5.455			
π	78.177	+1.037	+1.037			
-	4.282		4.418			
R.M. 4	73.895				73.897	ING. F-12A R.M. 4 - SEE SKETCH ON PREVIOUS PAGE. A STD. 4" BRASS R.M. CAP IN CONC. DM. 8" BELOW CURB GRADE.
+	4.718		4.482			
π	78.613	-1.017	-1.018			
-	5.735		5.500			
Bm. 21-16	72.878				72.879	Bm 21-16 - SEE ABOVE

2449 F.B. Pg. 21

NOTES RED. JOB NO 0301.00 SURVEY OF GEODETIC CONTROL
DATE SURVEY BY W. D. BAY
NOTES CHKD. NOTES BY BAY DATE 8-12-'60
DATE INDEXED H. E. OTT DATE

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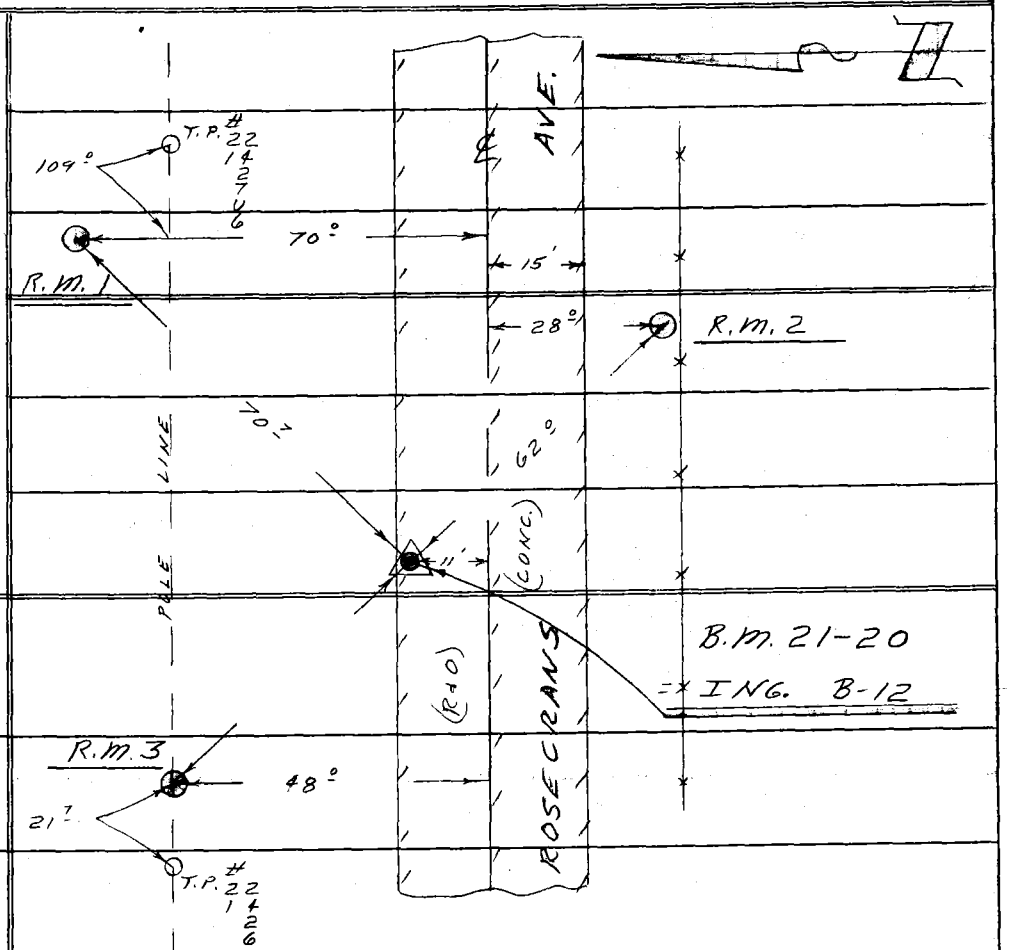
765420 S & E-353 4-54

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
		SEE NEXT PG. FOR TRANSFER OF				
	ELEV. TO R.M.'S.					



763420 S & E-353 4-54

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SURVEY BY W. J. BAY NOTES CHKD. DATE 8-15-60
NOTES BY W. J. BAY DATE 8-11 INDEXED DATE
F.B. 2449 Pg. 22

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
B.M. 21-20	111.439				111.439	B.M. 21-20 EL. 111.439 (1953 ADJ.)
+	4.359	/	4.498			F.B. 1391-24
⌅	115.798	-1.287	-1.290			
−	5.646		5.788			
R.M. 2	110.152				110.152	ING. B-12, R.M. 2 - SEE SKETCH ON PREVIOUS PAGE. A 1" I.P.P.T. INSIDE OF A 2" I.P. IN CONC. DN. 12" BELOW STREET GRADE. FB. 925-101
+	3.569	/	3.369			
⌅	113.721	-2.354	-2.354			
−	5.923		5.723			
R.M. 1	107.798				107.799	ING. B-12, R.M. 1 - A STD. 4" BRASS R.M. CAP IN CONC. DN. 18".
+	8.690	/	8.928	(should be 5.326 ?)		
⌅	116.488	+5.328	+5.326	6.326		
−	3.362		2.602			
R.M. 3	113.126				113.128	ING. B-12 R.M. 3 - SAME AS R.M. 1.
+	4.049	/	4.103			
⌅	117.175	-1.691	1.690			
−	5.740		5.793			
B.M. 21-20	111.435				111.439	B.M. 21-20 SEE ABOVE

2449
F. B. Pg. 23

NOTES RED. JOB NO 0101.00 SURVEY OF GEODETIC CONTROL
DATE SURVEY BY W. D. BAY
NOTES CHKD. NOTES BY BAY DATE 8-12-60
DATE INDEXED H. E. OTT DATE

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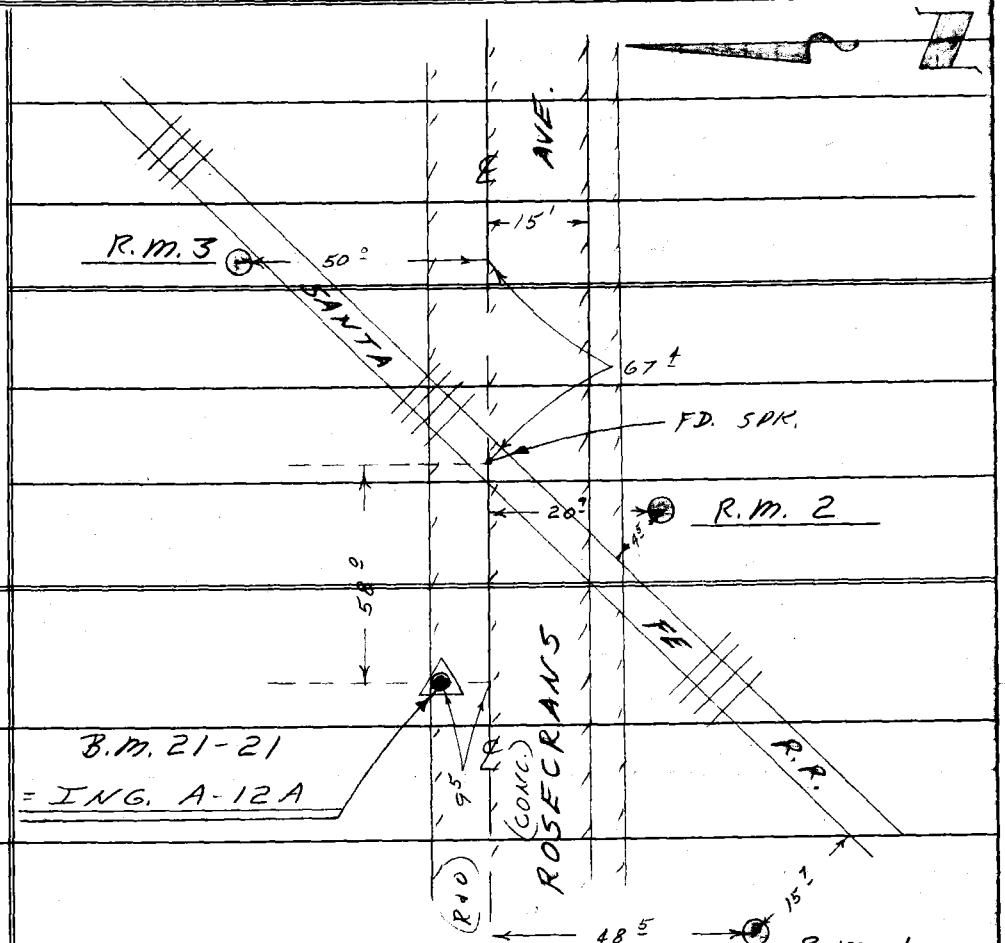
B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION



SEE NEXT PAGE FOR TRANSFER

OF ELEV. FROM B.M. 21-21 TO R.M.'s.

JOB NO. 0301.00 SURVEY OF GEODETIC CONTROL NOTES RED
SURVEY BY W. D. BAY DATE
NOTES BY BAY DATE 8-60 NOTES CHKD.
INDEXED [illegible] DATE DATE

F.B. 2449 PG. 24

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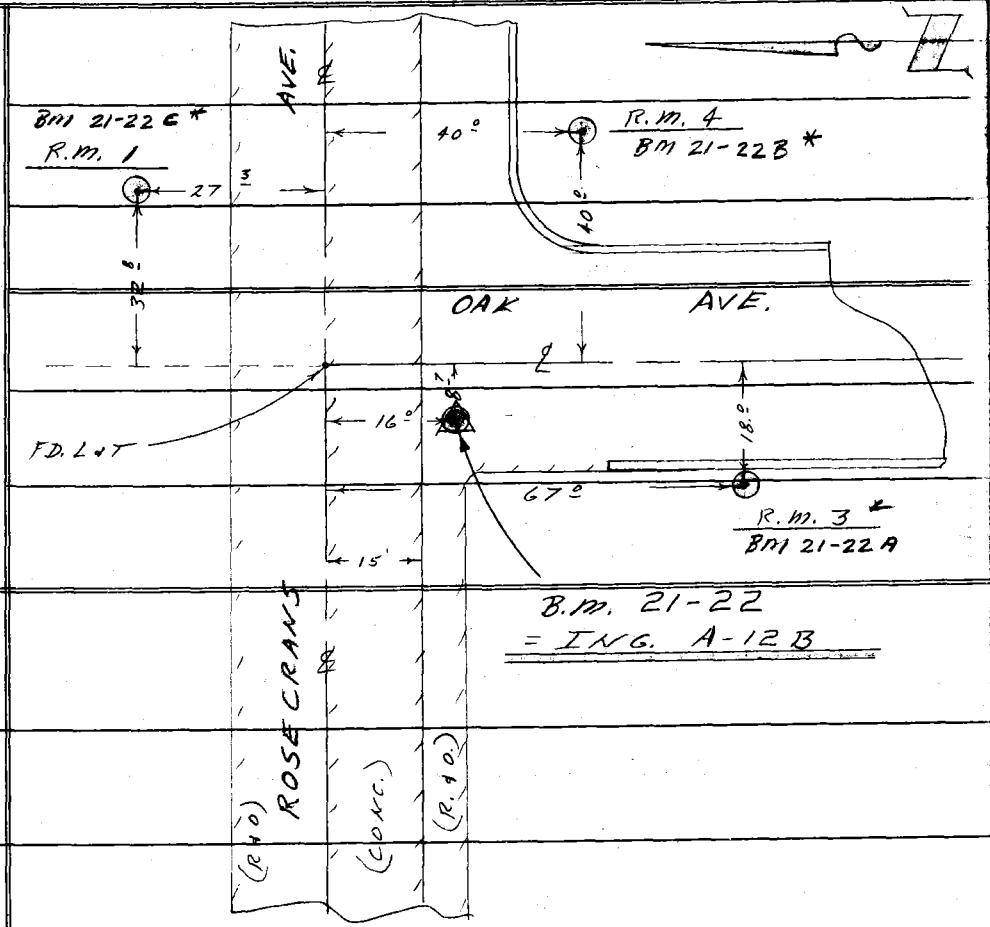
B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
B.M. 21-21	116.479				116.479	B.M. 21-21 EL. 116.479 — (1953 ADJ.)
+	4.278		4.500			F.B. 1391-25
⊼	120.757	-0.759	-0.762			
—	5.037		5.262			
R.M. 1	115.720				115.719	ING. A-12A, R.M. 1 — See Sketch on Previous Pg.
+	5.088		5.124			A STD. 4" BRASS R.M. CAP
⊼	120.808	+0.186	+0.188			IN CONC. DN. 30" BELOW
—	4.902		5.312			GRADE OF RAIL.
						F.B. 925-99
R.M. 2	115.906				115.906	ING. A-12A R.M. 2 —
+	4.762		4.877			SAME AS R.M. 1 EXCEPT
⊼	120.668	-1.174	-1.171			DN. 18" BELOW RAIL GRADE.
—	5.936		6.048			
R.M. 3	114.732				114.733	ING. A-12A R.M. 3 — SAME
+	6.120		6.037			AS R.M. 1 EXCEPT DN. 18"
⊼	120.852	+1.745	+1.747			BELOW RAIL GRADE.
—	4.375		4.290			
BM. 21-21	116.477				116.479	BM. 21-21 — See Above

F.B. 2449 PG. 25

NOTES RED. JOB NO. 0301.00 SURVEY OF GEODETIC CONTROL
DATE SURVEY BY W. D. BAY
NOTES CHKD. NOTES BY BAY DATE 8-12-'60
DATE INDEXED J. E. OTI DATE

DESCRIPTION



ADJ. ELEV.

3RD RUN

2ND RUN

SEE NEXT PAGE FOR TRANSFER

DIFF.

OF ELEV. FROM BM 21-22 TO

1ST RUN

R.M.s 1, 4, + 3.

B.M.

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

765420 S & E-353 4-54

* [illegible] 4/3/65

765420 S & E-353 4-54

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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JOB NO 0301.00 SURVEY OF GEODETIC CONTROL NOTES RED. DATE
SURVEY BY W. S. BAY DATE 8-'60 NOTES CHKD. DATE
NOTES BY W. S. BAY DATE INDEXED DATE

F.B. 2449 Pg. 26

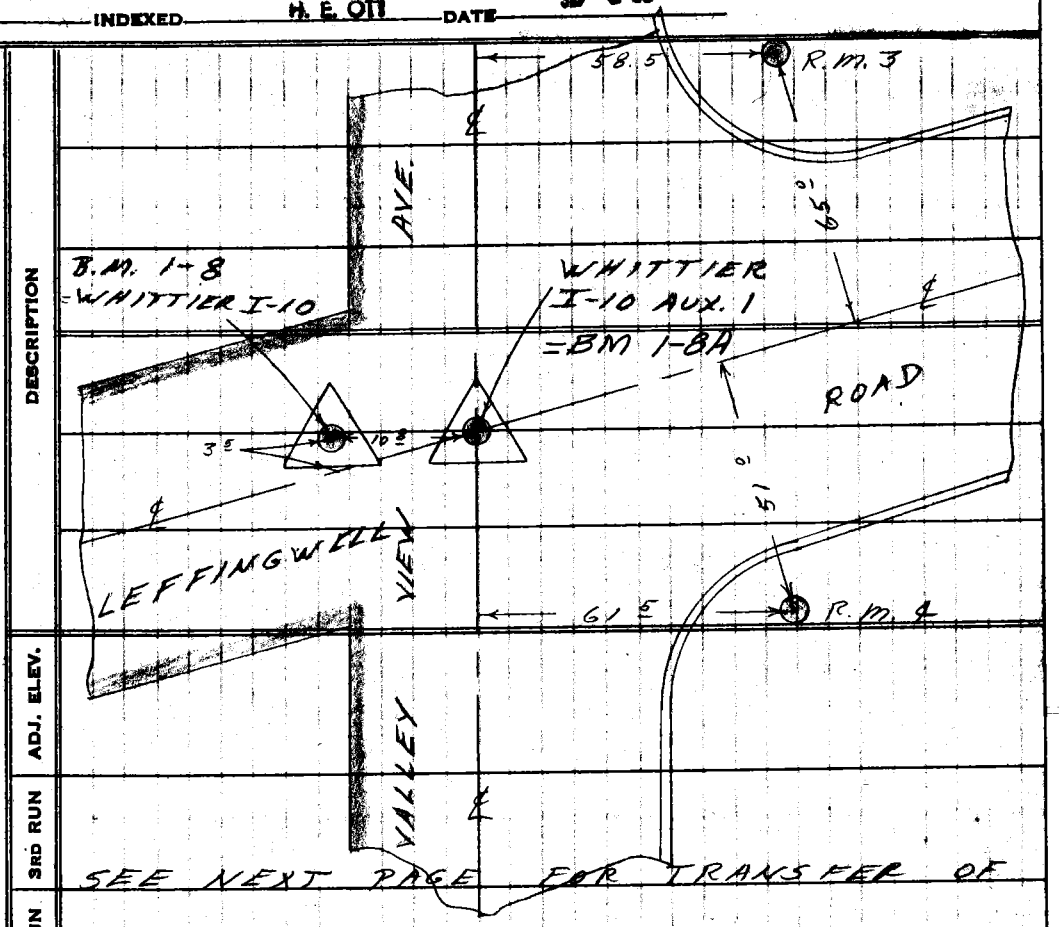
B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
Bm 21-22	169.118				169.118	Bm. 21-22 ELEV. 169.118 (1953 ADJ.)
+	4.958	✓	5.033			
⊼	174.076	-1.588	-1.589 ✓			F.B. 1391 - 26
—	6.546		6.622			
Bm 21-22C						
R.M. 1	167.530				167.530	INGLEWOOD A-12B, R.M. 1,
+	4.951	✓	4.828			SEE SKETCH ON PREVIOUS PG.
⊼	172.481	+1.078	+1.079 ✓			A 3/4" I.P., PLUG & TK. IN CONC.
—	3.873		3.749			DN. 20" BELOW ST. GRADE.
Bm 21-22B						F.B. 925 - 97
R.M. 4	168.608				168.607	ING. A-12B R.M. 4 - SEE
+	6.389	✓	6.555			SKETCH ON PREVIOUS PAGE.
⊼	174.997	+1.321	+1.321 ✓			A STD. 4" BRASS R.M. CAP IN
—	5.068		5.234			CONC. DN. 8" BELOW CB. GRADE.
Bm 21-22A						
R.M. 3	169.929				169.927	ING. A-12B, R.M. 3 - SEE
+	5.122	✓	4.970			SKETCH ON PREVIOUS PAGE.
⊼	175.051	-0.809	-0.806 ✓			A STD. 4" BRASS R.M. CAP IN
—	5.931		5.776			CONC. DN. 8" BELOW CB. GRADE.
Bm. 21-22	169.120				169.118	Bm. 21-22 ELEV. 169.118 (1953 ADJ.)
						F.B. 1391 - 26

NOTES RED. _____ JOB NO. 0301.00 SURVEY OF GEODETIC CONT. F.B. 2049 PG. 27

DATE _____ SURVEY BY W.D. BAY

NOTES CHKD. _____ NOTES BY BAY DATE 5-19-60

DATE _____ INDEXED H. E. OTT DATE _____



DESCRIPTION | ADJ. ELEV. | 3RD RUN | 2ND RUN | DIFF. | 1ST RUN | B.M.

SEE NEXT PAGE FOR TRANSFER OF ELEV. TO R.M. 3, R.M. 4,

L.A.Co. PRECISE LEVEL NET
TRANSFER OF ELEVATIONS
In WHITTIER AREA

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

769420 353 8-49

765420 353 8-49

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

JOB NO. 43040 SURVEY OF Geodetic Cont. NOTES RED.
SURVEY BY W. D. BAY DATE
NOTES BY J.C. Goodwin DATE 5-19-60 NOTES CHKD.
INDEXED B. L. Oil DATE DATE
F.B. 2449 PG. 28

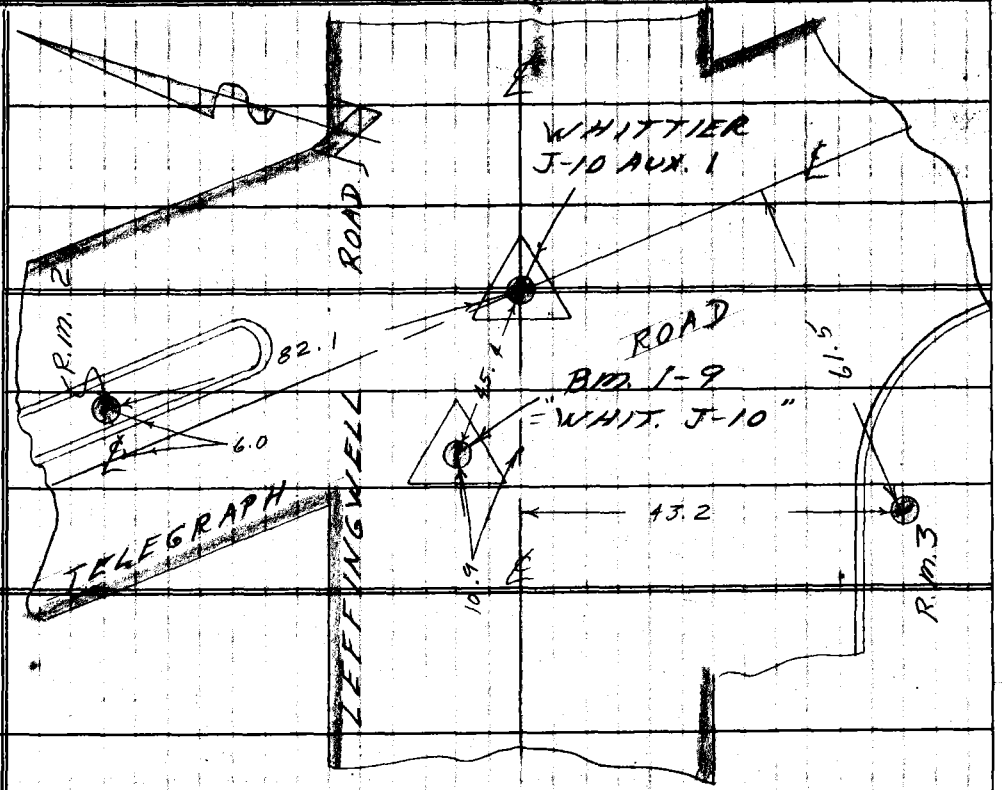
B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
B.M. 1-8	159.456					BM 1-8 ELEV. 159.456 (1952 ADJ.)
+	5.974		3.568			F.B. 1202-13
=	165.430	2.330	2.332			= "WHITTIER I-10"
−	3.644		5.900			
R.M. 3	161.786					
B.M. 1-8A WHITTIER I-10 AUX. 1						B.M. 1-8A A A & T
+						
=						
−						
R.M. #3	161.786					R.M. 3 - A STD. 4" BRASS
+	2.595		5.698			R.M. CAP IN CONC. STAMPED
=	164.381	-3.145	-3.146			"WHITTIER I-10 R.M. 3
−	5.740		2.552			1960 L.A. CO. ENGR. R.E.
	158.641					5869 "DN. 9" IN A.H.
R.M. #4	158.641					R.M. 4 - Same as R.M. 3
+	4.006		3.103			EXCEPT STAMPED "R.M. 4".
=	162.641	0.815	0.812			
−	3.185		3.915			
	159.456					
B.M. 1-8	159.456					B.M. 1-8 - SEE ABOVE

NOTES RED. JOB NO. 0301.00 SURVEY OF GEODETIC CONT. F. B. 2449 PG. 29

DATE SURVEY BY W. D. BAY

NOTES CHKD. NOTES BY BAY DATE 5-18-60

DATE INDEXED H. E. ON DATE



DESCRIPTION	ADJ. ELEV.	3RD RUN	2ND RUN	DIFF.	1ST RUN	B.M.
		SEE NEXT PAGE FOR TRANSFER OF				
		ELEVATION FROM BM I-9 TO WHITTIER				
		J-10 AUX. 1, R.M. 2 & R.M. 3.				

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

768420 353 8-49

765420 353 8-49

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

JOB NO. 230.00 SURVEY OF GEODETIC CONT. NOTES RED. DATE
SURVEY BY W.D.BAY NOTES CHKD. DATE
NOTES BY J.G.FERRIN DATE
INDEXED H.E.OTT DATE
F.B. 2449 PG. 30

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
B.M. 1-9	188.377					B.M. 1-9 = ELEV. 188.377 (1952 ADJ.)
+	5.832		6.465			F.B. 1202-14
⌅	194.209	-0.786	-0.784			= WHITTIER J-10
−	6.618		5.681			
	187.591					
WHITTIER J-10 AUX.1	187.591					WHITTIER J-10 AUX. 1 @ ℄ INT.
+	6.150		3.399			LEFFINGWELL RD. & TELEGRAPH
⌅	193.741	2.707	2.710			RD. A STD. 4" BRASS TR. AV. STA.
−	3.443		6.109			CAP IN CONC. STAMPED "WHITTIER
	190.298					J-10 AUX. 1 1960 L.A. CO. ENGR.
						R.E. 5869" DN. 9" IN A H.H.
R.M. #2	190.298					R.M. 2 - SEE SKETCH PREV. PG.
+	2.911		5.882			A STD. 4" BRASS R.M. CAP IN
⌅	193.209	-2.984	-2.982			CONC. STAMPED WHITTIER
−	5.895		2.900			J-10 R.M. 2 1960 L.A. CO.
	187.314					ENGR. R.E. 5869" DN. 9"
						IN A H.H.
R.M. #3	187.314					
+	5.980		4.944			R.M. 3 - SAME AS R.M. 2
⌅	193.294	1.058	1.056			EXCEPT STAMPED "R.M. 3"
−	4.922		6.000			AND DN. 12" AND NO H.H.
	188.372					
B.M. 1-9	188.372					SEE ABOVE

NOTES RED. _____ JOB NO. 0301.00 SURVEY OF GEOD. CONTROL

DATE _____ SURVEY BY W. D. BAY

NOTES CHKD. _____ NOTES BY BAY DATE 4-26-'60

DATE _____ INDEXED H. E. OTT DATE _____

F.B. 2449 PG. 31

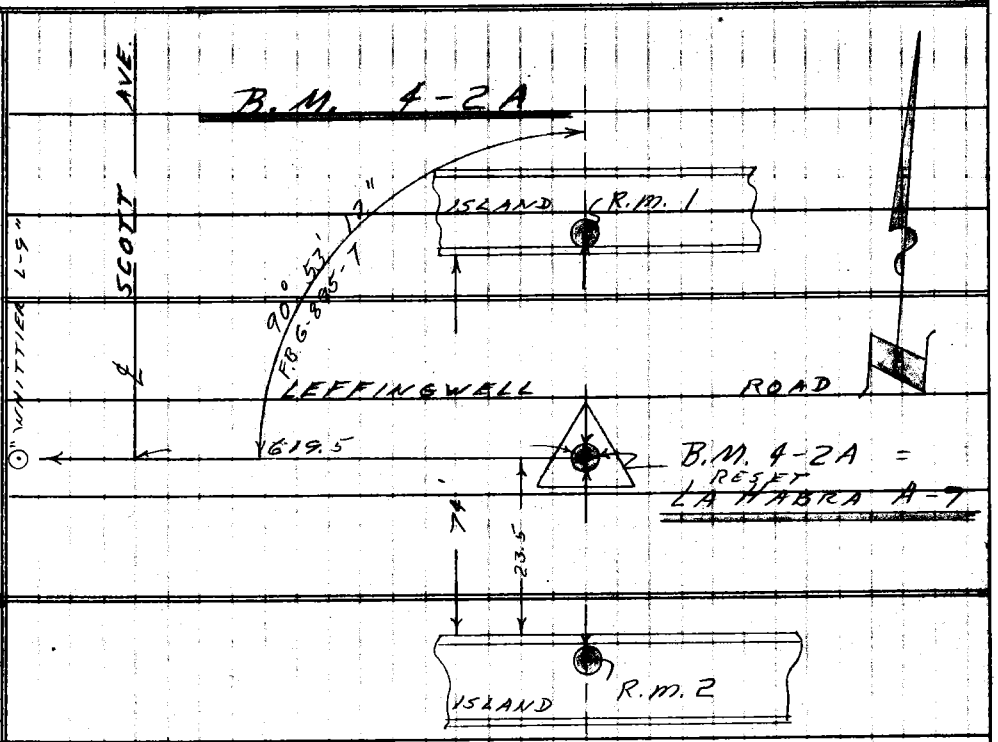
NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

768420 333 8-49

DESCRIPTION



ADJ. ELEV.

3RD RUN: B.M. 4-2A + LEFFINGWELL ROAD, S. SIDE, 619.5' ± E. OF SCOTT AVE & 23.5' N. OF

2ND RUN: THE N. CURB OF THE S. ISLAND, DN. 9" IN A WELL WITH A STD. CO. ENGR. COVER. A STD. 4" BRASS TRAVERSE STATION CAP

DIFF.: IN CONC. STAMPED "LA HABRA A-9, RESET 1960, L.A. CO. ENGR. R.E. 5869".

1ST RUN: NOTE: THE ORIGINAL "LA HABRA A-7" WAS FOUND IN GOOD COND. DN. 22". THIS WAS "B.M. 4-2". IT IS NOW A SUB-

B.M.: MONUMENT TO THE ABOVE STATION.

765420 353 8-49

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

NOTES RED. DATE
NOTES CHKD. DATE
SURVEY OF
SURVEY BY
NOTES BY E. Ott DATE
INDEXED DATE
JOB NO.

F.B. 2449 PG. 32

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
Bm 4-2	227.861					Bm 4-2 - El. 227.861 (1952 ADJ)
+	6.443		6.692			F.B. 1205 - 7
=	234.304	+1.790	+1.788			
-	4.653		4.904			
T.P.	229.651					BT. SPK. W. & T
+	4.903		4.782			
=	234.554	-0.906	-0.906			
-	5.809		5.688			
R.M. 2	228.745					La Habra A-9, R.M. 2
+	5.563		5.441			
=	234.308	+0.160	+0.159			
-	5.403		5.282			
B.M. 4-2A	228.905					BM. 4-2A = LA HABRA A-9
+	6.001		5.879			RESET 1960 - SEE PREVIOUS PG.
=	234.906	+0.004	+0.002			
-	5.997		5.877			
R.M. 1	228.909					La Habra A-9, R.M. 1
+	6.368		6.069			
=	235.277	+0.746	+0.745			
-	5.622		5.324			
T.P.	229.655					BT. SPK. W. & T. (ABOVE)

NOTES RED. _____ JOB NO. 0301.00 SURVEY OF GEODETIC CONTROL

DATE _____ SURVEY BY W. D. BAY

NOTES CHKD. _____ NOTES BY BAY DATE 7-18-'60

DATE _____ INDEXED H. E. OTT DATE _____

F. B. 2449 PG. 33

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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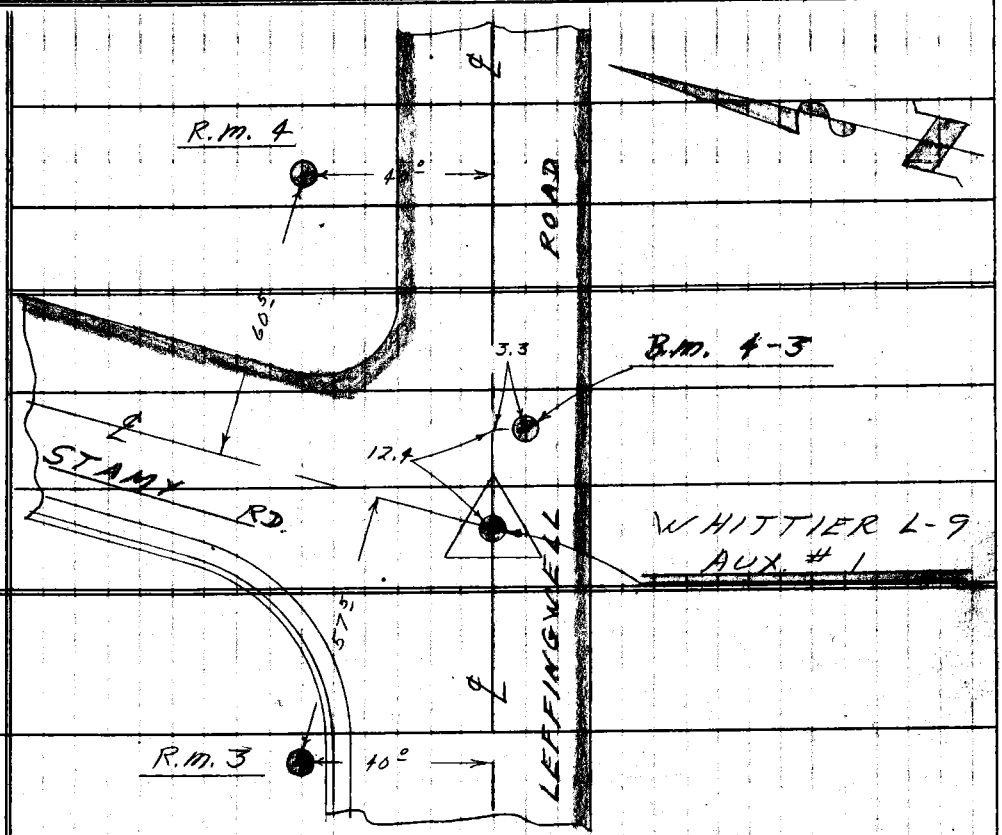
PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

DESCRIPTION	ADJ. ELEV.	3RD RUN	2ND RUN	DIFF.	1ST RUN	B.M.



SEE NEXT PAGE FOR TRANSFER OF ELEV. FROM B.m. 4-3 TO "WHITTIER L-9 AUX. 1," R.m. 3, & R.m. 4.

765420 353 8-49

765420 353 8-49

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LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

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Do not extend notes this side of this line

F.B. 2449 PG. 34

JOB NO. 230.00 SURVEY OF GEODETIC CONT. NOTES RED.
SURVEY BY W.D. BAY DATE
NOTES BY J.C. STADWIN DATE 5-18-'60 NOTES CHKD.
INDEXED H.E. OTT DATE DATE

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
B.M. 4-3	224.878					BM 4-3 ELEV. 224.878 (1952 ADJ.)
+	5.633		5.587			F.B. 1205-8
π	230.511	+0.058	+0.058			= WHITTIER L-9 = SY 1153
−	5.575		5.529			
						WHITTIER L-9 AUX. 1 @ ℄
						INT. LEFFINGWELL RD. &
WHITTIER L-9 AUX. 1	224.936					STAMY RD. A STD. 4" BRASS
+	5.389		5.362			TRAVERSE STA. CAP IN CONC.
π	230.325	−0.471	−0.469			DN. 9" IN A H.H. & STAMPED
−	5.860		5.831			"WHITTIER L-9 AUX. 1 1960 L.A.
						CO. ENGR. R.E. 5869".
R.M. #3	224.465					R.M. 3 - A STD. 4" BRASS R.M.
+	4.005		4.066			CAP IN CONC. DN. 8" STAMPED
π	228.470	−0.821	−0.822			"WHITTIER L-9 R.M. 3 1960
−	4.826		4.888			L.A. CO. ENGR. R.E. 5869".
R.M. #4	223.644					R.M. 4 = SAME AS R.M. 3
+	6.123		6.082			EXCEPT STAMPED "R.M. 4".
π	229.767	+1.233	+1.233			
−	4.890		4.849			
B.M. 4-3	224.877					B.M. 4-3 Sec Above

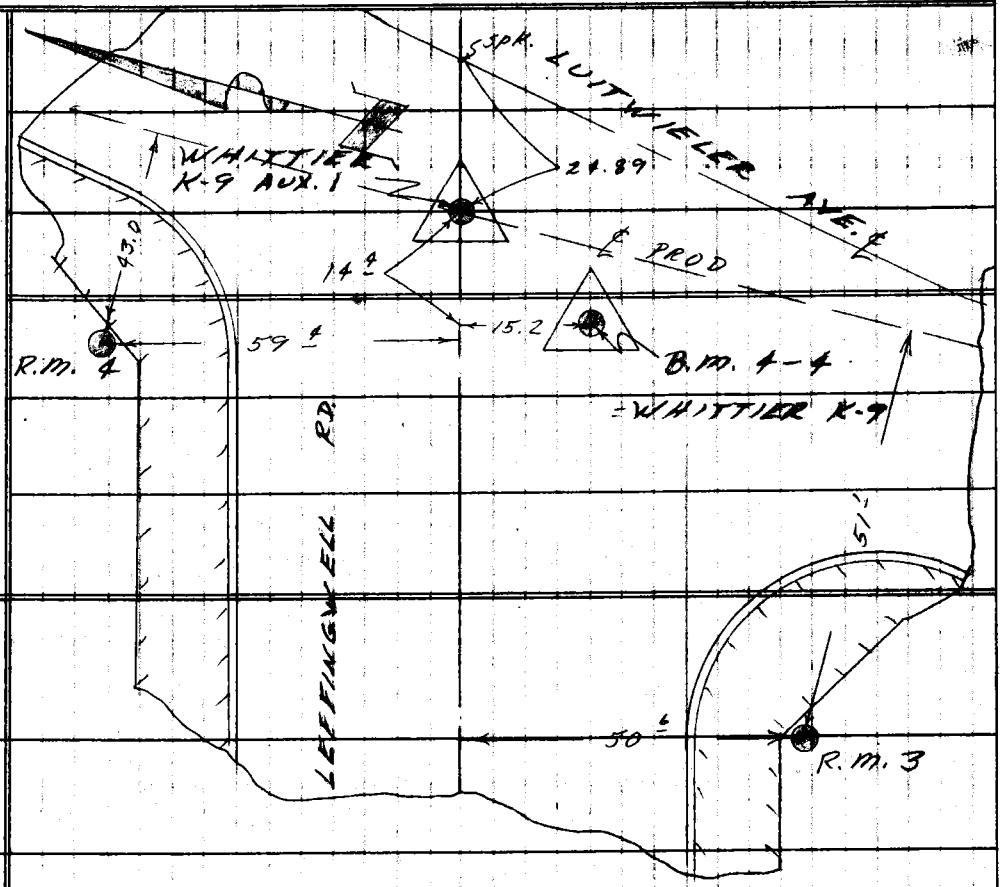
F. B. 2469 PG. 35

NOTES RED. _____ JOB NO. 0301.00 SURVEY OF _____

DATE _____ SURVEY BY W. D. BAY

NOTES CHKD. _____ NOTES BY BAY DATE 5-20-'60

DATE _____ INDEXED H. E. OTT DATE _____



SEE NEXT PAGE FOR TRANSFER OF ELEVATION FROM B.M. 4-4 TO WHITTIER K-9, AUX. 1, R.M. 3 & R.M. 4.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

765420 353 8-49

769420 353 8-49

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

Do not extend notes this side of this line

NOTES RED. DATE NOTES CHKD. DATE

JOB NO. 2301.00 SURVEY OF GEODETIC CONTROL

SURVEY BY W. J. BAX

NOTES BY J. C. GOODWIN DATE

INDEXED H. E. ORR DATE

F.B. 2449 Pg. 36

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
Bm 4-4	216.370					Bm 4-4 ELEV. 216.370 (1952 ADJ.)
+	5.360		5.086			F.B. 1205-9
Δ	221.730	0.120	0.119			= "WHITTIER K-9"
−	5.240		5.205			
	216.490					
WHITTIER K-9 AUX. 1	216.490					WHITTIER K-9 AUX. 1 - ON E OF LEFFINGWELL RD. AT ITS INTR. WITH E. PROD. OF LUITWIELER AVE. FROM THE SOUTH. A STD. 4" BRASS TRAV. STA. CAP IN CONC. STAMPED "WHITTIER K-9 AUX. 1 1960, L.A. CO. ENGR. R.E. 5869" DN. 9" IN A.H.H.
+	4.535		4.792			
Δ	221.025	-0.295	-0.292			
−	4.830		4.500			
	216.195					
R.M. 3	216.195					
+	5.950		5.310			R.M. 3 - A STD. 4" BRASS R.M. CAP IN CONC. STAMPED "WHITTIER K-9 R.M. 3 1960, L.A. CO. ENGR. R.E. 5869" DN. 9" IN A.H.H.
Δ	222.145	0.645	0.645			
−	5.305		5.955			
	216.840					
R.M. 4	216.840					
+	4.650		5.077			R.M. 4 - SAME AS R.M. 3 EXCEPT STAMPED "R.M. 4"
Δ	221.490	-0.473	-0.476			
−	5.123		4.601			
	216.367					
Bm. 4-4	216.367					Bm 4-4 SEE ABOVE

NOTES RED. JOB NO 301.00 SURVEY OF GEODETIC CONTROL F. B. 2449 PG. 37

DATE SURVEY BY W. J. BAY

NOTES CHKD. NOTES BY BAY DATE 5-17-'60

DATE INDEXED H. E. Ott DATE

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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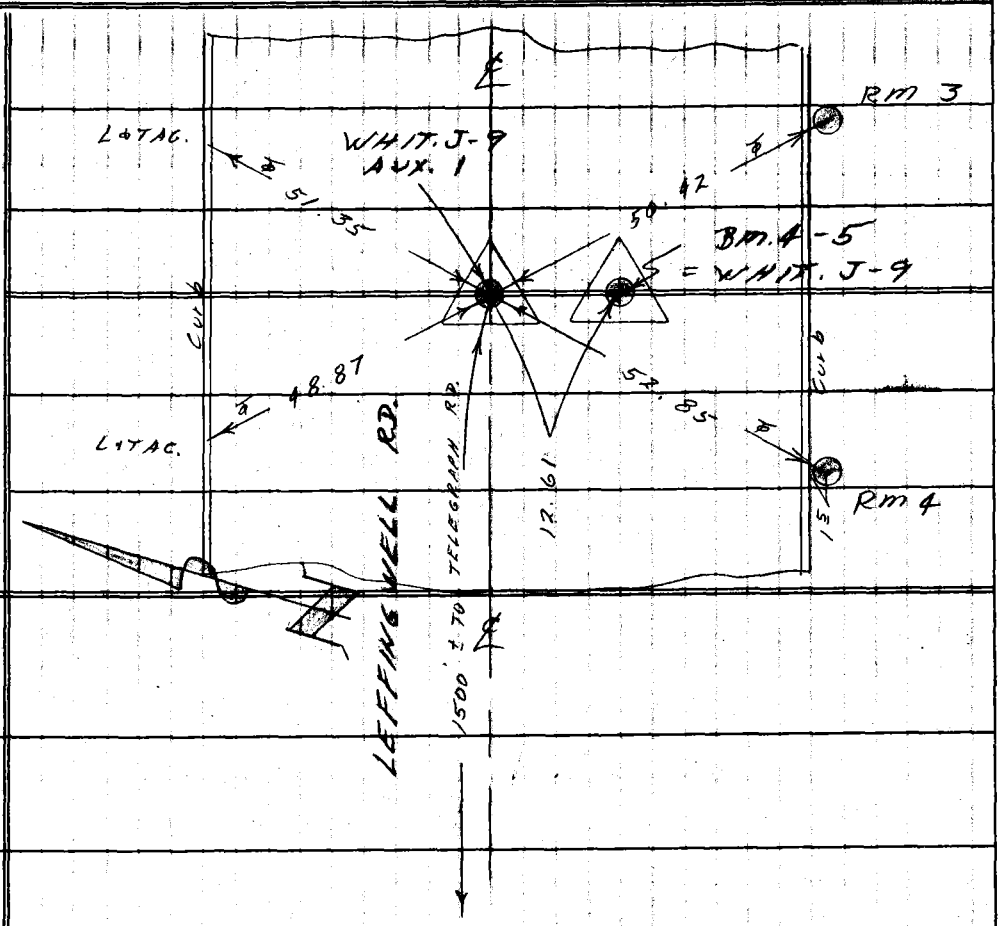
725 LOS ANGELES COUNTY ENGINEERING BLDG.

766420 353 8-49

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
	SEE NEXT PAGE FOR TRANSFER OF ELEVATION FROM B.M. 4-5 TO WHITTIER J-9 AUX. 1 AND R.M. 3 AND R.M. 4.					



765420 353 8-49

PLEASE RETURN TO
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725 LOS ANGELES COUNTY ENGINEERING BLDG.

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

JOB NO. 2301.00 SURVEY OF GEOD. CONT. NOTES RED.
SURVEY BY W.D. BAY DATE
NOTES BY J.G. GOODWIN DATE 5-18-60 NOTES CHKD.
INDEXED H.E. ON DATE DATE
F.B. 2449 PG. 38

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
B.M. 4-5	212.200					B.M. 4-5 ELEV. 212.200 (1952 ADJ.)
+	5.962		5.410			F.B. 1205-10
⌅	218.162	0.500	0.500			= WHITTIER J-9 = SY-1156
−	5.462		5.910			
	212.700					
WHITTIER J-9 AUX.1	212.700					WHITTIER J-9 AUX. 1 - SEE PREV.
+	5.588		5.507			PAGE - ON E LEFFINGWELL RD.
⌅	218.288	0.011	0.011			1500' ± E. OF TELEGRAPH RD.
−	5.577		5.518			A STD. 4" BRASS TRAV. CAP
	212.711					STAMPED "WHITTIER J-9 AUX. 1
						1960 L.A. CO. ENGR. R.E. 5869"
						IN CONC. DK. 8." IN A H.H.
R.M. #3	212.711					
+	5.434		5.512			R.M. #3 - SEE SKETCH PREV. PG.
⌅	218.145	-0.073	-0.074			A STD. 4" BRASS R.M. CAP IN
−	5.507		5.438			CONC. STAMPED "WHITTIER J-9
	212.638					R.M. 3 1960 L.A. CO. ENGR. R.E.
						5869" DK. 12" BELOW CB. GRADE.
R.M. #4	212.638					
+	5.511		5.920			R.M. #4 SAME AS R.M. #3
⌅	218.149	-0.438	-0.437			EXCEPT STAMPED "R.M. 4".
−	5.949		5.483			
	212.200					
B.M. 4-5	212.200					B.M. 4-5 (SEE ABOVE)

NOTES RED. JOB NO. 0301.00 SURVEY OF GEODETIC CONTROL F. B. 2449 PG. 39

DATE SURVEY BY W. J. BAY

NOTES CHKD. NOTES BY BAY DATE 5-18-60

DATE INDEXED H. E. Ott DATE

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

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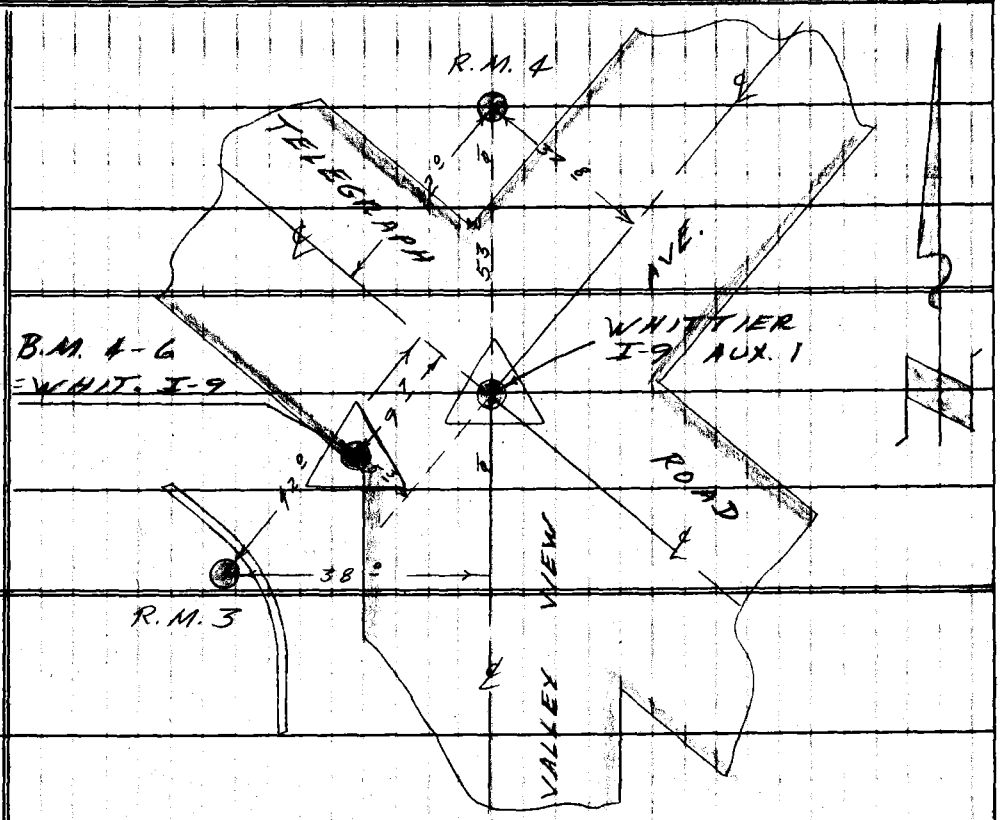
725 LOS ANGELES COUNTY ENGINEERING BLDG.

765420 353 8-49

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION



SEE NEXT PAGE FOR TRANSFER OF ELEV. FROM BM 4-G TO "WHITTIER I-9 AUX. 1", R.M. 4 & R.M. 3.

765420 353 8-49

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725 LOS ANGELES COUNTY ENGINEERING BLDG.

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NOTES RED. DATE
NOTES CHKD. DATE

JOB NO. 4201.00 SURVEY OF Geodetic Cont.
SURVEY BY W.D. Bay
NOTES BY T.G. Goodwin DATE 5-18-60
INDEXED A.E. Ott DATE

F.B. 2449 PG. 40

Do not extend notes this side of this line

B.M.	1ST RUN	DIFF.	2ND RUN	3RD RUN	ADJ. ELEV.	DESCRIPTION
B.M. 4-6	195.067					BM 4-6 ELEV. 195.067 (1952 ADJ.)
+	5.120		4.733			F.B. 1205 - 11
⌅	200.187	0.411	0.410			= "WHITTIER I-9"
−	4.709		5.143			
	195.478					
WHITTIER I-9 AUX. 1	195.478					WHITTIER I-9 AUX. 1 - ℄ & INT.
+	6.001		6.285			TELEGRAPH ROAD & VALLEY
⌅	201.479	-0.223	-0.225			VIEW AVE. A STD. 4" BRASS
−	6.224		6.060			TRAV. STA. CAP IN CONC. DN. 9"
	195.255					AND STAMPED "WHITTIER
						I-9 AUX. 1 1960 L.A. CO.
						ENGR. R.E. 586⅔" IN A H.H.
R.M. # 4	195.255					R.M. 4 - A STD. 4" BRASS R.M.
+	5.600		5.751			CAP IN CONC. STAMPED
⌅	200.855	-0.159	-0.156			" WHITTIER I-9 AUX. 1,
−	5.759		5.595			R.M. 4 1960 L.A. CO. ENGR.
	195.096					R.E. 586⅔" DN. 15".
R.M. # 3	195.096					R.M. 3 - A STD. 4" BRASS R.M.
+	5.839		5.882			CAP IN CONC. STAMPED
⌅	200.935	-0.029	-0.027			" WHITTIER I-9 R.M. 3,
−	5.868		5.855			1960 L.A. CO. ENGR. R/E.
	195.067					586⅔" DN. 8"
B.M. 4-6	195.067					SEE ABOVE

Notes Ck'd by	Survey of L.A. Co. Precise Level Net
Map No.	JN 0301.02 Tape — Std — °F
Office Work	Surveyed by F. E. Brooks
Checked	Notes F. E. Brooks Date 2-20-61
Date	Indexed M. E. Ott

F. B. 2149 Pg. 41

J.N. 0301.02

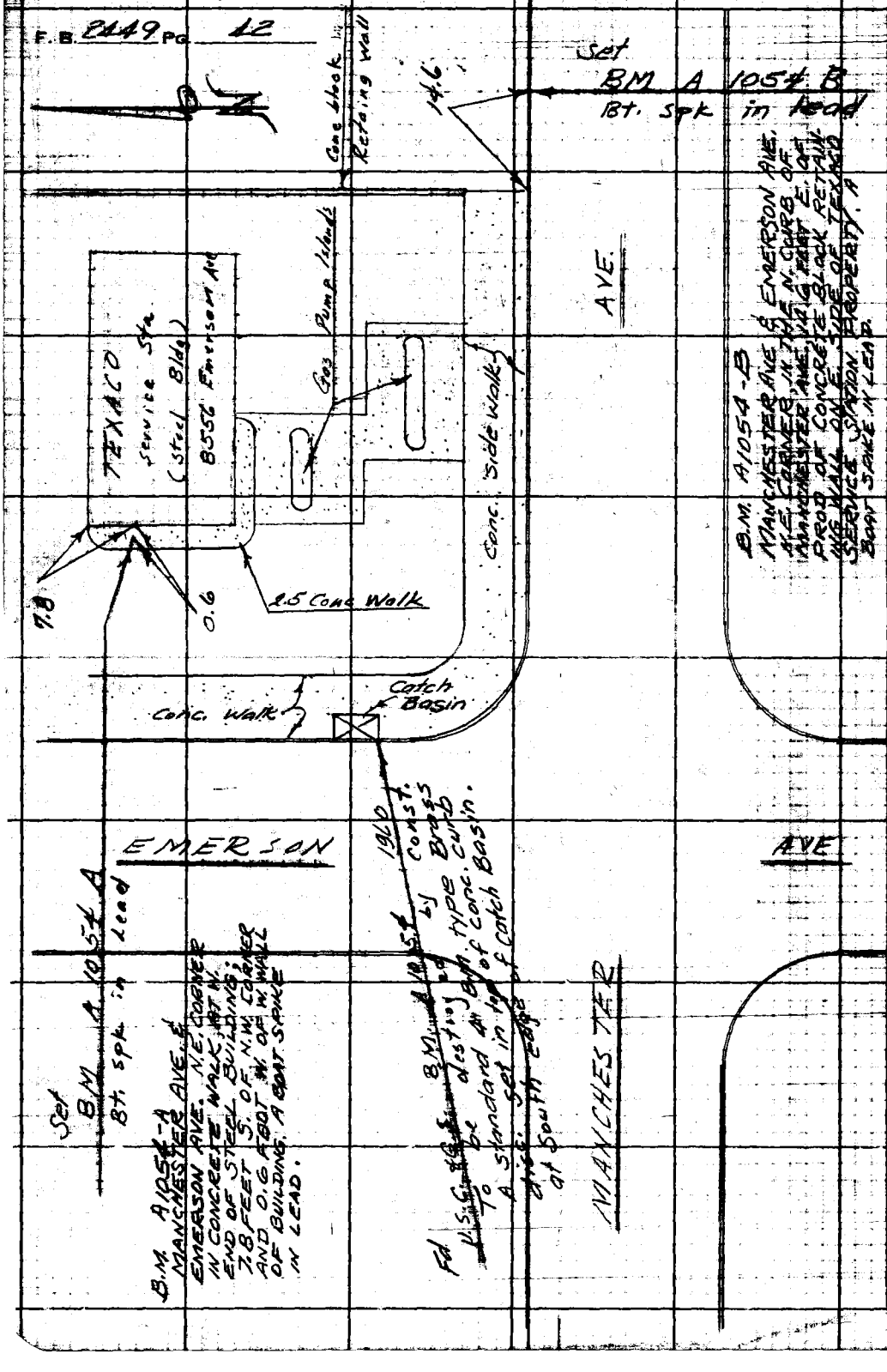
L.A. Co. PRECISE LEVEL NET

RECOVERY & REFERENCING
OF
U.S.C. & G.S. (B.M. A 1054)
AT
MANCHESTER AVE. & EMERSON AVE.
VENICE AREA

F E Brooks
AR Borilotti
D LeGault
RR Rodriguez

LOS ANGELES COUNTY ENGINEER
700 Los Angeles County Engineering Bldg.
Do not extend this side of this line.

F.B. 2449 PG. 12



PLEASE RETURN TO
LOS ANGELES COUNTY ENGINEER
700 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend this side of this line.

Note: Any Additions or Changes on This Sheet Must be Made or Circled in Red Ink With Date and Name of Person Making Change.

NOTES RED. JOB NO. 0301.02 SURVEY OF L.A. Co. Precise Level Net

DATE SURVEY BY F. E. Brooks

NOTES CHKD. NOTES BY F. E. Brooks DATE 20 Feb 1961

DATE INDEXED H. E. Ott DATE MAR 8 61

F. B. 2449 PG. 43

NOTE: ANY ADDITIONS OR CHANGES ON THIS SHEET MUST BE MADE OR CIRCLED IN RED INK, WITH DATE AND NAME OF PERSON MAKING CHANGE.

PLEASE RETURN TO
LOS ANGELES COUNTY SURVEYOR
725 LOS ANGELES COUNTY ENGINEERING BLDG.

Do not extend notes this side of this line

765420 S & E-353 4-54

DESCRIPTION	J. N. 0301.02 L. A. Co. PRECISE LEVEL NET Recovery and reference of U.S.C. & G.S. B.M. A 1054 Elevation differences
ADJ. ELEV.	
3RD RUN	
2ND RUN	
DIFF.	F. E. Brooks A R Borilotti D. LeGault R.R. Rodriguez
1ST RUN	
B.M.	

F.B. 2449 Pg. 44

JOB NO. 2111.2 SURVEY OF L.A. Co. Precise Level Net
SURVEY BY F.E. Brooks
NOTES BY F.E. Brooks DATE 20 Feb 19
INDEXED H.E. Ott DATE

	+	5.970		5.957
	π	105.970	+2.087	+2.086
	−	3.983		3.871
BM A 1054 A		102.987		
	+	2.751		2.731
	π	104.838	-1.631	-1.630
	−	4.382		4.361
BM A 1054 B		100.456		
	+	4.842		4.799
	π	105.298	-0.457	-0.458
	−	5.899		5.257
BM A 1054		99.399		

Manchester Ave and Emerson Ave
N.E. Cor. U.S.C. & G.S. Brass Disc
A 1054

BM A 1054 A
Manchester Ave and Emerson Ave
N.E. Cor. in Texaco Service Sta
see Pg for description

BM A 1054 B.
Manchester Ave and Emerson Ave
N.E. Cor. at Texaco Service Sta.
see Pg. for description

BM A 1054 see above description